Planning Commission Agenda

County of Ventura - Resource Management Agency - Planning Division
800 S. Victoria Avenue, Ventura, CA 93009-1740 - (805)654-2478
https://vcrma.org/planning-commission

IN ACCORDANCE WITH GOVERNMENT CODE SECTION 54953(e)(1)(A) AND IN RESPONSE TO THE DECLARED STATE AND LOCAL EMERGENCIES DUE TO THE NOVEL CORONAVIRUS AND LOCAL HEALTH OFFICER RECOMMENDATION REGARDING SOCIAL DISTANCING, THE PLANNING COMMISSION WILL MEET IN-PERSON AND REMOTELY.

TO FIND OUT HOW YOU MAY PROVIDE PUBLIC COMMENT, PLEASE REFER TO THE INSTRUCTIONS BELOW AND AT https://vcrma.org/public-comments-for-planning-commission-hearings.

Earl McPhail, Chair
Scott Boydstun, Vice- Chair
Nora Aidukas, Commissioner
Veronica Garcia, Commissioner
Jim King, Commissioner

Dave Ward, Planning Director
Jeffrey Barnes, County Counsel
Luz Juachon, Recording Secretary

Public comments may be provided using the following options: (1) e-mail public comment in advance of the meeting; (2) in-person public comment; (3) video or call-in public comment via Zoom during hearing. For more information regarding these options, please visit https://vcrma.org/public-comments-for-planning-commission-hearings.

Option 1 - If you wish to make a comment on a specific agenda item in advance of the meeting, please submit your comment to the Case Planner for that item via email by 3:30 p.m. on the day prior to the hearing. The Case Planner's contact information is provided below. Please indicate in the Subject Line of your email, the Agenda Item Number on which you are commenting. Your email will be distributed to the Planning Commissioners and place into the item's record at the Planning Commission hearing.

Option 2 – If you wish to make a comment in-person, you must be present at the meeting location and provide your comment prior to the close of the public comment period for the item you wish to speak on.

Option 3 – Register at https://vcrma.org/public-comments-for planning-commission-hearing before the close of the public comment period for the item you wish to speak on. Please provide your name, email, and the phone number you will be calling in from. Once your registration has been approved, you will receive an email with the Zoom meeting link and password. The participation information is unique to you; please do not share as it may cause issues with your ability to join the meeting. ***Pre-registration*** is strongly encouraged. Registration opens when the Planning Commission's agenda is posted online.

If you are watching the live stream of the Planning Commission hearing and would like to make either a public comment (Item 5) for items not on the day's agenda or to comment on a specific agenda item as it is being heard, please raise your hand in Zoom (by pressing the Raise Hand button or *9 on your telephone key pad) when the Recording Secretary asks for any online participants who would like to comment. https://vcrma.org/planning-commission. To maintain a public meeting environment conducive and welcoming to receiving public comments from all members of the public, the audience is discouraged from engaging in displays of support or opposition to staff reports or public comments, including clapping, booing, hissing, or cheering, that may create a disruptive or intimidating environment for members of the public wishing to participate.

TO LISTEN AND PARTICIPATE IN SPANISH: If you would like to listen and participate in Spanish using

video or telephone during the hearing, you can receive Zoom credentials by registering at https://vcrma.org/public-comments-for-planning-commission-hearings. While registering, please check the box for “Spanish Participation.” An email with the Zoom meeting link and password will be sent once your registration has been approved. You can then watch the meeting in Spanish through the Spanish channel during this agenda item.

The PLANNING COMMISSION hearing will be held on **Thursday, July 28, 2022, at 8:30 a.m.** in the Hearing Room of the Board of Supervisors, County Government Center, Hall of Administration, 800 South Victoria Avenue, Ventura, California.

PACKET

1. **8:30 A.M. HEARING CALL TO ORDER**

2. **ROLL CALL**

3. **PLEDGE OF ALLEGIANCE TO THE FLAG**

4. **CONSENT ITEM**
   Resolution authorizing continued remote teleconference meetings of the Planning Commission

R22 – XX

RECOMMEND ACTION
Approve as presented.

5. **PUBLIC COMMENTS** - Time set aside for comments by citizens on matters not appearing on the Agenda (Time limit per item - five minutes)

6. **APPROVAL OF MINUTES**

July 7, 2022

RECOMMEND ACTION
Approve as presented.

7. **PROJECTS**

A. **CASE NUMBERS: PL21-0099 and PL21-0100** County of Ventura

Public hearing to consider and make recommendations to the Board of Supervisors regarding Amendments to the Non-Coastal Zoning Ordinance (PL21-0099) and Coastal Zoning Ordinance (PL21-0100) related to Permit Terms, Surety, and Insurance Requirements for oil and gas operations.

PROJECT LOCATION: Countywide
ASSESSORS PARCEL NUMBER(S) APN: N/A
CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT: N/A
CASE PLANNER: Shelley Sussman
EMAIL: shelley.sussman@ventura.org

RECOMMENDED ACTIONS
Approve staff recommendations.

8. **DISCUSSION:**

9. MEETING ADJOURNMENT

RESOLUTION NO. 22 – ___

RESOLUTION OF THE VENTURA COUNTY PLANNING COMMISSION RE-AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE PLANNING COMMISSION FOR A 30-DAY PERIOD PURSUANT TO GOVERNMENT CODE SECTION 54953, SUBDIVISION (e), OF THE RALPH M. BROWN ACT

WHEREAS, the County of Ventura ("County") is committed to preserving and nurturing public access and participation in meetings of the Ventura County Planning Commission ("Commission");

WHEREAS, Government Code section 54953, subdivision (e), of the Ralph M. Brown Act, authorizes the legislative body of a local agency to use remote teleconferencing in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953, subdivision (b)(3), subject to the existence of certain conditions;

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558;

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing;

WHEREAS, the Commission previously adopted **Resolution 22-19** on July 7, 2022, finding that the required conditions set forth in Government Code section 54953, subdivision (e), to conduct remote teleconference meetings without compliance with Government Code section 54953, subdivision (b)(3) exist;

WHEREAS, as a condition of extending the use of remote teleconference meetings pursuant to Government Code section 54963, subdivision (e), the Commission must reconsider the circumstances of the state of emergency that exists, and the Commission has done so;

WHEREAS, on September 21, 2021, Dr. Robert Levin, Ventura County Health Officer, issued a recommendation to continue practicing social distancing measures throughout Ventura County communities, including to continue to implement 100 percent remote meetings of all legislative bodies in Ventura County, to prevent and minimize the spread of COVID-19 ("Recommendation to Promote Social Distancing");

WHEREAS, the Commission does hereby find that it has reconsidered the circumstances of the State of Emergency, the State of Emergency remains active and continues to directly impact the ability of its members and attendees to meet safety in

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person, and that the Ventura County Health Officer, Dr. Robert Levin, continues to recommend measures to promote social distancing to minimize the spread of COVID-19 including that all legislative bodies in Ventura County continue to meet remotely, as further explained in his Recommendation to Promote Social Distancing, which has not been rescinded and remains in effect; and

WHEREAS, the Commission does hereby find that it shall conduct its meetings without compliance with Government Code section 54953, subdivision (b)(3), as authorized by subdivision (e) of Government Code section 54953, and that the Commission shall comply with the requirements set forth in Government Code section 54953, subdivision (e)(2); and

NOW, THEREFORE, BE IT RESOLVED, by the Planning Commission of the County of Ventura as follows:

Section 1. The foregoing recitals are true and correct.

Section 2. Staff supporting the Commission are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including continuing to conduct open and public meetings of the Commission in accordance with Government Code section 54953, subdivision (e), and other applicable provisions of the Brown Act.

Section 3. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of August 28, 2022, or such time the Commission adopts a subsequent resolution in accordance with Government Code section 54953, subdivision (e)(3), to extend the time during which the Commission may continue to teleconference without compliance with Government Code section 54953, subdivision (b)(3).

This is to certify the foregoing is a true and correct copy of the Resolution reflecting the Ventura County Planning Commission's action taken at its July 28, 2022, public hearing regarding the above-described matter.

_____
Dave Ward, AICP, Planning Director
Secretary to the Planning Commission

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Planning Commission DRAFT Minutes

County of Ventura • Resource Management Agency
800 S. Victoria Avenue, Ventura, CA 93009 • (805) 654-2662 • www.vcrma.org/divisions/planning

July 7, 2022

1. 8:33 A.M. HEARING CALL TO ORDER

2. ROLL CALL

Commission:

Scott Boydstun, Vice-Chair	District 1
Nora Aidukas	District 2
Earl McPhail, Chair	District 3
Jim King	District 4
Veronica Garcia	District 5

County Staff

Jeff Barnes, County Counsel
Dave Ward, Planning Director
Susan Curtis, Assistant Planning Director
Clay Downing, Climate Action Plan Implementation Program Administrator
Luz Juachon, Recording Secretary

3. PLEDGE OF ALLEGIANCE TO THE FLAG

4. CONSENT ITEM

Motion: Approve Planning Commission Resolution No. 22-19, Continued remote teleconference meetings of Planning Commission.
Moved by: Commissioner Aidukas, **Seconded by:** Commissioner Garcia
Motion carried: 5-0
Yes: Commissioners Aidukas, Garcia, King, Vice Chair Boydstun & Chair McPhail

5. PUBLIC COMMENTS – None.

6. APPROVAL OF MINUTES FOR JUNE 16, 2022

RECOMMENDED ACTION
Approve, as presented.

Motion: Approve the June 16, 2022, Meeting Minutes.
Moved by: Commissioner Garcia, **Seconded by:** Commissioner King
Motion carried: 5-0
Yes: Commissioners Aidukas, Garcia, King, Vice Chair Boydstun & Chair McPhail

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7. **PROJECT:**

Applicant – County Executive Office staff acting as Program Administrator of the Ventura County Climate Emergency Council (CEC)

PROJECT DESCRIPTION: Countywide

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT: N/A

COMMISSIONERS DISCLOSURES: N/A

COUNTY REPRESENTATIVE: Clay Downing, Program Administrator
EMAIL: clay.downing@ventura.org

Program Administrator Clay Downing presented the staff report. The following recommended actions were presented to the Planning Commission:

1. **RECEIVE AND FILE** a report and presentation from staff regarding two CEC recommended proposals;

2. **PROVIDE A RECOMMENDATION** by minute order to the Ventura County Board of Supervisors regarding a CEC request for the Ventura County Board of Supervisors to create a Climate Change Public Outreach and Education Program, with a General Plan Amendment if required; and

3. **PROVIDE A RECOMMENDATION** by minute order to the Ventura County Board of Supervisors regarding a CEC request for the Ventura County Board of Supervisors to adopt a resolution supporting efforts to cap methane leaks from oil and gas wells and pipelines.

Presentation of Public Speakers:
Ron Whitehurst
Jan Dietrick
Julie Henszey
Richard Baldwin

Zoom Speakers:
Liz Campos
Rose Ann Witt
Ben Oakley

Chair McPhail called for a recess at 10:05 a.m. and resumed the hearing at 10:12 a.m.

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Planning Commission Deliberation and Vote:

Motion #1: Move to approve Recommendation Nos.1 and 2 (create a Climate Change Public Outreach and Education Program).
Moved by: Vice-Chair Boydstun **Seconded by:** Commissioner Aidukas
Motion carried: 4-1
Yes: Commissioners Aidukas, Garcia, Vice Chair Boydstun & Chair McPhail
No: Commissioner King

Chair McPhail called for a brief recess at 10:54 a.m. and resumed the hearing at 11:03 a.m.

Motion #2: Move to adopt Recommendation No. 3 the Planning Commission asks the Board of Supervisors to consider the following:

1. Consider clarifying CEC charter and purpose which included reference to quantifiable reductions to Greenhouse Gas Emissions;
2. Consider quantifying the Greenhouse Gas emissions from idle, abandoned, and orphaned wells to the extent available;
3. Consider adding the actual Greenhouse emissions numbers attached to Greenhouse Gas emissions 2030, 2040 GHG reduction targets and goals in the General Plan;
4. Consider Todd Collart's letter dated July 6, 2022.

Moved by: Commissioner Garcia **Seconded by:** Commissioner Aidukas
Motion carried: 5-0
Yes: Commissioners Aidukas, Garcia, King, Vice Chair Boydstun & Chair McPhail

8. DISCUSSION:

a) Report by the Planning Director on Board actions and other matters.

Planning Director Ward clarified that the next Planning Commission meeting will be on July 28 not on July 21. At this hearing, the commission will review and consider Amendments to Non-Coastal Zoning Ordinance and Coastal Zoning Ordinance related to establishing a 15-year term to renew and extend Conditional Use Permits, updated Surety, and Insurance Requirements for oil and gas operations. There is also a request for professional study to identify idle oil and wells in the unincorporated area of Ventura County

Planning Director Ward announced that proposed draft Oil and Gas Ordinance Amendment will be published on the Planning website (https://vcrma.org/en/proposed-oil-and-gas-regulations) and available for review on Friday, July 8, 2022.

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Prohousing Designation Program by Housing and Community Development (HCD) – Planning Director Ward reported back on Commissioner Garcia's inquiry about Ventura County's status on Prohousing designation. He stated that this is part of the Housing Element's program item to pursue. He explained that HCD developed a scoring system on how to qualify for the designation -- 30 points or more that the local jurisdiction had already achieved to receive the designation. At present, the County's score is 26 points for its current programs as well as some other planning programs to pursue in the implementation of its Housing Element. He mentioned some of the Planning Division's upcoming work efforts that might help the County to get the needed points, i.e., updating the Density Bonus Ordinance to comply with state law, measures to reduce the cost of transportation infrastructure and encourage active transportation, looking at permitting middle housing uses by allowing duplex and triplex by right or in an existing low density existing single family residential (*this requires the Board of Supervisor's approval and direction to staff*). Staff completed implementation of Development Review Committee Fee Waiver for 100% affordable projects. He was hopeful that these work efforts along with other planning work efforts over the next calendar year will get the County the needed 30 points. He also reaffirmed that seeking the Prohousing Designation requires involvement and support of the Board of Supervisors if they elect for the County to apply for the designation.

Electrification – Planning Director Ward provided some context about the topic and mentioned that the County has a work plan on Energy Efficiency and Reach Code – umbrella package of a whole range of building design and construction efforts. One of the current projects of Reach Code is amending the County's Building Code where the electrification requirement is included. The Board of Supervisors last fall gave staff direction to prioritize the electrification project and supported the funding for consultant services. Currently, the County is finalizing the draft ordinance and anticipate having the public outreach in August. This project is tentatively scheduled to go back to the Board of Supervisors in October. This project is not coming to Planning Commission for consideration since this is a building code ordinance amendment and not a zoning ordinance amendment. Planning staff will ensure that the Planning Commission will be notified when public outreach is held in August. This work effort for the Reach Code is updating the state building codes which happens in the fall with months leading to January 2023.

b) Items the Planning Commission may wish to introduce.

Commissioner Garcia inquired about County's resource conservation in terms of water. She asked if the County requires submetering of water in multi-family development. Planning Director Ward responded that he would check and report back since that requirement is with the Building Official.

9. MEETING ADJOURNMENT

Chair McPhail adjourned the meeting at 11:28 AM.

Luz Juachon, Recording Secretary
Ventura County Planning Division

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SUBJECT: Public Hearing to Consider and Make Recommendations to the Board of Supervisors Regarding Amendments to the Non-Coastal Zoning Ordinance (PL21-0099) and Coastal Zoning Ordinance (PL21-0100) Related to Permit Terms, Surety and Insurance Requirements for Oil and Gas Operations.

A. PROJECT INFORMATION

1. **Applicant:** County of Ventura

2. **Location:** Countywide

3. **Request:** Planning Division staff requests that your Commission review this staff report and its attachments and adopt a resolution (see Exhibit 1) recommending that the Board of Supervisors (Board) adopt the recommended actions for proposed amendments to the Non-Coastal Zoning Ordinance (NCZO, Sections 8107-5.4, 8107-5.6.5, 8107-5.6.11 and 8107-5.6.12) and the Coastal Zoning Ordinance (CZO, Sections 8175-5.7.5 and 8175-5.7.8) related to permit terms, surety and insurance requirements for oil and gas operations (included in Exhibits 3 and 4 of this staff report); and recommend that the Board direct the Planning Division to commission a professional evaluation to identify and prioritize idle wells in unincorporated Ventura County that should be plugged and abandoned pursuant to state law.

4. **Review /Decision-Making Authority:** Pursuant to the NCZO and the CZO, your Commission is required to review, conduct a public hearing on, consider, and make recommendations to the Board regarding the proposed zoning ordinance amendments. The Board, at a subsequent public hearing, will consider your Commission's recommendations and decide whether to adopt, not adopt, or adopt with modifications the proposed amendments.

5. **History and Background:** On November 10, 2020, the Board directed the Resource Management Agency (RMA) to return to the Board with draft amendments to the NCZO and the CZO addressing three topic areas related to oil and gas operations in the unincorporated area: (1) limit new discretionary permits for oil and gas operations to 15 years; (2) increase the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance; and (3) incorporate measures to assure the timely permanent plugging and restoration of oil and gas wells that have been idle for 15 years or more. The November 10, 2020 Board letter is attached as Exhibit 2. To assist with the development of these zoning amendments, RMA retained the professional services of Catalyst Environmental Solutions (Catalyst).

Catalyst staff, led by Dr. Dan Tormey, have extensive experience in the environmental aspects of all types of oil and gas development, including site assessment and cleanup, risk assessment, hydraulic fracturing and produced water management, pipelines, liquid natural gas terminals, refineries, natural gas storage, and retail facilities. Catalyst has worked on these issues in Ventura County, elsewhere in Southern California, and worldwide. Dr. Tormey advises all levels of government in California on oil and gas issues, including the Governor's Office and State Legislature, the Coastal Commission, and local governments. He was on the Steering Committee for the California Council on Science and Technology (CCST) study on hydraulic fracturing in California; was appointed by the Department of Conservation to the recently formed Underground Injection Control Independent Review Panel (created pursuant to Senate Bill 83, 2015-2016 Reg. Session); and was selected as a peer reviewer for the CCST study on water use in oil and gas operations in California.

6. **Project Description:** This section presents a summary of the proposed zoning amendments organized by topic area, along with a discussion of the information that was analyzed for each area. The ordinances amending the NCZO and the CZO have been prepared in legislative format and are attached herein as Exhibits 3b and 4b, respectively. **(**Exhibits 3a and 4a are clean versions of the NCZO and CZO respectively with legislative formatting removed.) The NCZO and CZO legislative amendments are substantively identical. However, the CZO version includes non-substantive amendments to the "Average Noise Level" table on page 13 of Exhibit 4b to correct a typographical error in the existing CZO.

There are several new state laws that have been enacted to address the management of oil and gas operations, including plugging and abandonment of wells, the management of idle and long-term idle wells, and financial assurances. To provide context for the proposed zoning amendments, Exhibit 5 provides brief summaries of key features of these state laws**.**

Understanding the State's role, as well as that of the County and the Ventura County Air Pollution Control District (VCAPCD), in the management and oversight of oil and gas operations is important context for your consideration. The California Geologic Energy Management Division (CalGEM) is mandated to supervise the drilling, operation, maintenance and abandonment of oil, gas and geothermal wells within California. CalGEM has jurisdiction over plugging and abandonment of wells (Cal. Code Regs., tit. 14, § 1723), collecting bonds for oil and gas operations in the state, maintaining the State's Idle Well Management Program, issuing plugging and abandonment orders, and ultimately plugging and abandoning orphan wells.

The Planning Division regulates oil and gas operations through both the NCZO and the CZO. Both ordinances contain similar permitting provisions, which include but are not limited to those addressing setbacks, waste handling, financial assurance requirements, site maintenance and restoration, accident reporting, light and dust control, noise, signage, screening, and fencing. The County also requires sureties and liability insurance for oil and gas operations.

The VCAPCD has regulatory authority over air quality and emissions aspects of oil and gas facilities, which includes wells, tanks and loading racks, sumps/pits/ponds, internal combustion engines and flares.

Definitions for some key terms used throughout this staff report are also provided here to aid your Commission and the public in review:

- **Wells** are all wells utilized for oil and gas exploration and production purposes, including but not limited to exploration, production, injection, and observation wells.
- **Active wells** are those that are drilled, completed, and in use.
- **Deserted wells** have been identified by CalGEM for operator failure to pay required idle wells fees or failure to respond to a plug and abandonment order.[1]
- **Idle wells** have not produced oil or gas for 24 consecutive months or more.
- **Long-term idle wells** (LTIW) have been idle for eight years or more.
- **Orphan wells** have no financially viable operator of record either due to an operator's bankruptcy and/or decision to relinquish a lease without complying with the requirement to properly plug and abandon the well(s). Orphan wells must be formally identified by CalGEM, and none have yet been formally identified in the County.
- **Plugged and Abandoned wells** are those that have been permanently sealed and closed pursuant to regulatory standards.

Lastly, many of the facts presented in this staff report include footnoted references, which are attached herein as Attachment A.

a. Topic Area 1: Limit new discretionary permits for oil and gas operations to 15 years.

There are currently 25 oil companies operating in active oil fields located in unincorporated Ventura County. These oil and gas facilities operate under the authority of 96 existing conditional use permits or special use permits (CUPs) granted by the County from the late 1940s to present. As noted above, on November 10, 2020, the Board directed staff to revise the County's zoning ordinances to limit the term of new discretionary permits and approvals for oil and gas exploration and development operations to 15 years except for permits and approvals issued for post-closure activities. Based on the Board's discussion during the November 10, 2020 hearing, the proposed amendments allow for subsequent 15-year CUP renewal terms at the end of the initial 15-year term.

[1] Pursuant to Public Resources Code section 3237, there are additional metrics CalGEM can use to determine if a well has been deserted, but the numbers presented herein represent these two as reported by CalGEM in their 2019 Idle Well Management Program Report.

The proposed regulations apply to the totality of operations that are governed by a given CUP. In accordance with zoning ordinances' current CUP modification provisions, the renewal of an existing CUP is a discretionary action that is subject to permit approval findings and requires some level of environmental review pursuant to the California Environmental Quality Act (CEQA). The proposed amendments allow the County, during the CUP renewal process, to review, revise, add, or otherwise modify a CUP to reflect a range of conditions, including the current physical condition of the site and surroundings, the potential availability of new applicable technologies, and any applicable legal and regulatory requirements, including General Plan policies and ordinance provisions that may exist at the time of permit renewal.

To avoid situations in which oil and gas operations continue for a prolonged period following the expiration of an existing CUP term while the County processes a CUP renewal application, the proposed amendments require an operator to submit application materials 12 months prior to an existing CUP's expiration date. Required materials include, but are not limited to, a completed discretionary permit application, complete project description, and a complete list of wells. In addition to the submittal of application materials, an applicant will also be required to diligently pursue permit application completion and provide timely responses to the County's information requests.

Although the duration of CUP terms for oil and gas operations are not currently addressed in either the NCZO or CZO, the term of typical oil and gas CUPs granted by the County has ranged from 20 to 30 years. Many older oil and gas CUPs granted in the late 1940s through the mid-1960s lack expiration dates. These permits, which have been referred to as "antiquated" or "legacy" permits, will not be subject to the proposed 15-year maximum CUP term because under the County's existing zoning ordinances, the permits do not expire and thus do not require a discretionary renewal, which is the permitting event during which the maximum 15-year term would otherwise be applied.

One consideration related to establishing CUP terms is the estimated amount of time it takes for an operator to recoup its investment in the permitted operation. This can be referred to as the amortization of capital investment (ACI). Although there are several accounting methods that can be used to calculate amortization, in general, ACI occurs when cumulative income from an investment is sufficient to offset the initial capital investment and to provide a return on that investment to the owner.

Planning Division staff were able to identify one relevant publicly available ACI study: the recent "Capital Investment Amortization Study for the City of Culver City Portion of the Inglewood Oil Field", a 2020 study that concludes the simple payback period for wells drilled prior to 1977 was about five years. For wells drilled after 1977, their models determined that *"ACI…has been achieved within a short time."* As the study explains, although there can be significant variability in the rate of return among individual wells, over 60 percent of the post-1977 wells they analyzed also achieved ACI within five years.[2]

[2] "Capital Investment Amortization Study for City of Culver City Portion of the Inglewood Oil Field", May 2020. Baker & O'Brien, Inc., at p. 33.

The Inglewood Oil Field in Los Angeles County is approximately 1,000 acres, 78 acres of which are in Culver City. It has operated since 1924 and apart from its size, it is comparable in underlying petroleum geology and types of operations to other Southern California oil fields including Ventura County. Therefore, a duration of 15 years for new and renewed CUPs (even independent of the possibility of an operator obtaining additional 15-year renewal periods), is reasonable to realize ACI depending on the capital investment and the price of oil during the time period.

b. Topic Area 2: Increased Surety and Insurance for Permit Compliance and Site Restoration

To evaluate the County's proposed surety and insurance requirements, which are described in detail below, it is helpful to first understand the status of the State's existing financial resources available to address plugging and abandonment of orphan wells, and its bonding and fee requirements for oil and gas operators. Pursuant to Assembly Bill (AB) 2729 (2016), several new bonding and fee payment provisions were created to address the State's liability to properly plug and abandon wells that are orphaned by operator bankruptcy or failure to act. Some notable provisions are listed below and are also described in greater detail in Exhibit 5.

- Operators must file a $25,000 bond with CalGEM for a well less than 10,000 feet deep and $40,000 for each well that is 10,000 or more feet deep.
- Alternatively, an operator can file a blanket indemnity bond based on the number of wells it owns throughout the state. Blanket bond amounts range from $200,000 for 50 or fewer wells to $3,000,000 for more than 10,000 wells.
- Operators of idle wells are required to either pay annual fees to the State for each idle well or file an Idle Well Management Plan, which outlines an operator's plan to manage and eliminate idle wells (i.e., either plug and abandon or bring back into production).
- Idle well fees increase the longer a well remains idle and range from $150 for an idle well of seven years to $1,500 for a well that has been idle for 20 years or more.
- Idle well fees are paid into the Hazardous and Idle-Deserted Well Abandonment Fund (HIDWAF), which CalGEM uses to plug and abandon orphan wells. This fund currently has a total of approximately $8,000,000 for use statewide.
- The State also maintains an administrative fund (*Oil, Gas, and Geothermal Administrative Fund*), from which $5,000,000 can be spent annually by CalGEM (pursuant to Senate Bill [SB] 47) to plug and abandon orphaned wells.

It is helpful to compare these financial resources (in the form of operator bond obligations and funds established for the purpose of plugging and abandoning wells) against the State's recent cost estimate of $974 million to plug and abandon approximately 5,356 currently known orphaned, deserted, and potentially deserted wells statewide.[3] This

[3] CalGEM PowerPoint presentation: "CalGEM Oil and Gas State Abandonment Planning"; April 6, 2022

$974 million figure does not include the estimated cost to plug and abandon any wells that have not yet been identified by CalGEM as orphaned or deserted. The $13,000,000 in the two State funds listed above represents just over one percent of what CalGEM estimates it will cost to properly plug and abandon currently known orphaned and deserted wells.

Ventura County's Current Surety and Insurance Requirements

County-required financial sureties are intended to guarantee the operator's performance of permit and other regulatory requirements including post-closure obligations such as well abandonment, equipment removal, and site restoration in the event the operator is unable or unwilling to perform them. (The terms "surety" and "bond" are used interchangeably herein.) County-required liability insurance for oil and gas operations is required to address potential operator liabilities and environmental damage arising from oil and gas operations.

With respect to **surety requirements**, both the NCZO and CZO (Sections 8107-5.6.5 and 8175-5.7.8(e), respectively), currently state that *"…a bond or other security in the penal amount of not less than **$10,000.00** for each well that is drilled or to be drilled. Any operator may, in lieu of filing such a security for each well drilled, redrilled, produced or maintained, file a security in the penal amount of not less than $10,000.00 to cover all operations conducted in the County of Ventura…"*

Regarding **liability insurance requirements**, both the NCZO and CZO (Section 8107-5.6.12 and 8175-5.7.8(l), respectively), currently require that *"the permittee shall maintain for the life of the permit, liability insurance of **not less than $500,000 for one person and $1,000,000 for all persons and $2,000,000 for property damage**. This requirement does not preclude the permittee from being self-insured."*

As noted above, in November 2020, the Board directed the Planning Division to increase the amount of required liability insurance and surety to cover both oil and gas permit compliance and site restoration costs. Supervisors Bennett and Parks noted in their November 2020 Board letter that the surety amount currently specified *"is no longer an adequate amount to address noncompliance or site restoration and should be appropriately increased to cover both instances of permit or ordinance non-compliance, and site restoration upon termination of a…permit."* (Exhibit 2, pg. 3).

Furthermore, in a recent Board hearing related to a CUP renewal for Carbon California (June 22, 2021), the Board noted that an increased financial surety was appropriate to help ensure proper well abandonment. This permit renewal was conditioned such that this operator would be subject to the increased surety amount set by the County if these proposed ordinance amendments were approved.

Proposed Surety and Insurance Requirements

Based on the Board's direction, the proposed zoning amendments would apply new or enhanced surety and insurance requirements to operators of both new and existing oil and gas facilities and operations. The County has the legal authority, under its

constitutional police powers, to impose these increased insurance and financial security obligations on all existing operations without violating operators' property rights because these requirements: (a) would not alter or otherwise impair an operator's ability to produce oil and conduct its operations under its existing CUPs; (b) these requirements protect the public health and safety by helping avoid environmental harm and nuisance-type situations from occurring later based on failure to comply with preexisting legal requirements; (c) the regulations do not expand the County's powers because the County can already modify an existing permit to protect the public health and safety and to prevent a public nuisance pursuant to NCZO Section 8111-6.2 and CZO Section 8181-10.1, subject to the same hearing and notice procedures for approval of the original permit; and (d) as described in the proposed amendment language and as required under the County's current zoning ordinances, the sureties listed below would be exonerated (i.e., released) after all regulatory requirements pertaining to proper well abandonment and site restoration have been met.

As part of the analysis for revising these financial assurance obligations, staff considered the actions and operations the financial assurances are intended to cover, cost estimates associated with those actions and operations, and what the potential unfunded costs may be to properly plug and abandon wells and remediate and restore production sites in the event a permittee is unable or unwilling to do so. Planning Division staff also consulted with County Risk Management, as well as other insurance consultants to identify both recommended updates to insurance requirements and information related to the estimated costs of insurance coverage for oil and gas operators.

Due to the importance of ensuring that the proposed ordinance revisions are consistent with State programs and law, Resource Management Agency staff and County Counsel briefed the State's Oil and Gas Supervisor (Supervisor). The Supervisor supported the County's proposed surety approach and noted that the County is well within its jurisdictional authority to require them. The Supervisor provided additional guidance on other proposed ordinance revisions, which Planning Division staff has incorporated.[4]

Finally, staff also considered the findings from the State's legislative summary for AB 2729 (2016). As described below, at present there are approximately 4,000 active and idle wells in Ventura County[5], of which 1,275 are LTIWs that have been idle for 15 years or more[6]. The legislative summary states the following:

> *Idle wells can pose a risk to the environment and public health. Improperly maintained well casings can rust or crack, allowing contaminants such as uranium, lead, iron, selenium, sulfates and*

[4] Personal communication with State Oil and Gas Supervisor, June 8, 2022.
[5] CalGEM WellSTAR Data Dashboard. https://www.conservation.ca.gov/calgem/Online_Data/Pages/WellSTAR-Data-Dashboard.aspx. Accessed June 1, 2022.
[6] CalGEM. 2022. Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.

> *radon to enter into freshwater formations. Improperly maintained wells can also leak methane, a potent greenhouse gas. Unlike wells being produced, where operators will likely see changes in production levels if a leak or damage occur, leaks or damage to idle wells are more likely to go unnoticed. Testing of wells that are not producing or injecting is not required until the well officially becomes idle after five years. The longer a well remains idle, the more likely it is to be deserted by the operator. Leaving idle wells in this state can threaten the environment and public health, and, if deserted, present a significant cost for the State to plug and abandon wells and remediate any environmental damage.*[7]

For these reasons the State Legislature, in Public Resources Code section 3250, found and declared that:

> "*[H]azardous and certain idle-deserted oil and gas wells and hazardous and deserted facilities, as defined in this article, are public nuisances and that it is essential, in order to protect life, health, and natural resources that those oil and gas wells and facilities be abandoned, reabandoned, produced, or otherwise remedied to mitigate, minimize, or eliminate their danger to life, health, and natural resources*."

Based on these considerations and in response to the Board's direction, Planning Division staff is proposing that new sureties be required to address the following: 1) surface restoration and remediation; 2) well plugging and abandonment; and 3) a supplemental surety for wells that have been idle for at least 15 years (referred to herein as "15+ idle wells") to account for their increased risk of desertion.

Surface Restoration Surety

CalGEM generally regulates subsurface oil and gas operations, including proper well plugging and abandonment. The County generally regulates oil and gas operations that occur above ground. The County is generally preempted from controlling how subsurface oil and gas operations and activities are conducted.

The purpose of the proposed Surface Restoration Surety is to establish funds for **surface** demolition, removal of structures and equipment, and restoration/remediation of both well sites and related facilities if the operator does not fulfill these requirements at the end of its permitted operations. Surface infrastructure associated with oil and gas operations can include large pieces of equipment and significant development, including but not limited to storage tanks, water treatment systems, gas separation and treatment systems, waste storage areas, pipelines, and appurtenant infrastructure. Notably, both the NCZO and

[7] Bill Analysis for AB 2729. April 4, 2016. Assembly Committee on Natural Resources. Available at: http://www.leginfo.ca.gov/pub/15-16/bill/asm/ab_2701-2750/ab_2729_cfa_20160331_163551_asm_comm.html

CZO include proposed amendments related to the scope of surface restoration activities. The intent of these amendments is to provide additional clarity regarding restoration and remediation requirements and process. (See NCZO Section 8107-5.6.11 and CZO Section 8175-5.7.8.)

As noted above, the County's practice has been to require a $10,000 bond for each operator regardless of the size of the operator's facilities, the number of its wells, or the number and type of other surface infrastructure that may require demolition, removal, and restoration. Pursuant to the Board's direction, Planning Division staff is recommending the amount of the Surface Restoration Surety be increased to cover a greater share of the estimated costs for demolishing, removing, and restoring surface aspects of oil and gas facilities in the event an operator fails to conduct proper and complete site restoration and remediation.

To balance an interest in linking surety amounts to operational considerations (e.g., numbers of wells, amount of equipment) and the need for efficiency and practicality of processing and managing sureties, staff is proposing that the Surface Restoration Surety amount be based on the number of wells, excluding properly abandoned wells, an operator has within unincorporated Ventura County as set forth below. The number of operators shown in Table 1 below indicates the current number of operators within the county that fall into a particular grouping based on well-count information available from CalGEM[8].

Table 1 – Surface Restoration Surety Categories

Total Number of Active/Idle Wells per Operator	Number of Operators	Proposed Surface Restoration Surety
1-5	8	$100,000
6-10	4	$185,000
11-20	4	$300,000
21-50	5	$500,000
51-100	1	$1 million
101-200	0	$3 million
201-400	0	$5 million
≥401	3	$10 million

To establish these proposed surety amounts, staff considered information provided by Catalyst, who estimates that the current cost of restoring a typical oil and gas site with ten wells, one flare, and assorted tanks used for fluids, oil, and water is approximately $186,500 (see Exhibit 6). The surety amounts are roughly half for operators with fewer

[8] Estimates of well counts are based on the number of active and idle wells per operators with active CUPs in the county. Active wells per CalGEM AllWell data downloaded on June 2, 2022, available at https://gis.conservation.ca.gov/portal/home/item.html?id=0d30c4d9ac8f4f84a53a145e7d68eb6b and idle wells per CalGEM. 2022. Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.

wells. Surety amounts for the larger well groupings assume that economies of scale would be realized, thus resulting in lower per well restoration costs.

Existing operators in the county will be required to submit a complete inventory of their wells – including active, idle, plugged and abandoned, injection, exploratory, etc. – for review by the Planning Division no later than 60 days after the effective date of the proposed ordinance. The information submitted by the operators will be confirmed using both CalGEM records and County permit records. The Planning Director will verify the required surety amount and provide written notification to the operator, after which time the operator will have 180 days from the date of notification to submit the required surety to the Planning Division. This same procedure will be followed for the additional sureties described below. New operators will be required to submit the Surface Restoration Surety, as well as the others described below, prior to commencement of permit activities.

Well Abandonment Surety

While the State is responsible for managing the technical aspects of subsurface plugging and abandonment of wells, including orphaned wells, the California Constitution authorizes local governments to "make and enforce within its limits all local, police, sanitary, and other ordinances and regulations not in conflict with general laws [i.e., federal and State]." Further, the statute addressing the State's requirements for well abandonment bonds expressly contemplates and recognizes that local governments may require their own well abandonment sureties (see Pub. Res. Code, § 3205.3(c)(8)). The County is therefore authorized to require operators to post sureties to help ensure that sufficient funds exist for the operators' wells to be properly plugged and abandoned. The County's exercise of this authority will help ensure that the wells are timely and properly decommissioned in accordance with State law.

Planning Division staff is recommending that a separate Well Abandonment Surety be required to reflect the likelihood that some wells in unincorporated Ventura County will be orphaned and that the State will lack adequate resources to properly and timely plug and abandon them, as described above (see pg. 5). Staff is recommending this surety to address the negative impacts that orphaned wells pose to the environment, human health and safety, and the potential impairment of subsequent use or redevelopment of the affected land.

There are several important issues related to operator bankruptcy that are relevant to the discussion of orphaned wells. As recently reported by Haynes and Boone, LLP, a company that has monitored North American oil and gas producer Chapter 11 bankruptcies since 2015, there have been 266 oil and gas producer bankruptcies over the last six years[9], including California Resources Corporation (CRC), one of the state's major oil and gas producers. (CRC sold its Ventura County oil and gas operations to CalNRG in late 2021.)

[9] Haynes Boone. Oil Patch Bankruptcy Monitor. January 31, 2022. https://www.haynesboone.com/-/media/project/haynesboone/haynesboone/pdfs/energy_bankruptcy_reports/oil_patch_bankruptcy_monitor.pdf?rev=61c2606a5be547598c8d716d1a795c39&hash=97ECA4B149560404B19497FA37CB2B50

In addition, between 1985 and 2022, field production of crude oil in California fell 67 percent, according to the U.S. Energy Information Administration.[10] As production falls, profits often also fall. This can result in larger operators selling their holdings to smaller companies that may not have the financial resources to properly plug and abandon wells or restore well fields after operations cease. One such bankruptcy impacted oil operations on Rincon Island, which included both on- and offshore facilities near the community of Mussel Shoals.

The operator – which had acquired the lease through a 2002 bankruptcy sale – itself filed for bankruptcy in 2016 after ceasing operations there in 2008. Thus far, decommissioning operations, which are managed by the California State Lands Commission (because the facilities are located on State-owned coastal land), have cost State taxpayers $27 million.[11] This same operator was involved in another oil business called HV1 Cat Canyon in Santa Barbara County. It also filed for bankruptcy in 2019, leaving over 200 orphaned wells. Neither Santa Barbara County nor CalGEM have sufficient funds to plug and abandon all of them.[12]

There is another instructive example of the cost of orphaned wells in the Placerita Oil Field near the city of Santa Clarita in Los Angeles County. CalGEM determined 56 wells and associated facilities were orphaned in 2016, and final clean up began five years later in 2020. The project is expected to conclude this year at an estimated cost of $3.3 million, which will be drawn from the State's HIDWAF.[13] (As noted above, this fund currently has a total of approximately $8 million for use statewide.)

One recent report commissioned by CalGEM and conducted by the California Council on Science and Technology (CCST) regarding orphan wells in California, states the following:

> *"The preliminary analysis performed here finds that 5,540 wells in California may already have no viable operator or be at high risk of becoming orphaned in the near future. The likely plugging and abandonment costs for these wells, based on the State's historical experience with orphan wells, exceed the available bond funds by a factor of 10 or more…The total net difference between plugging costs and available bonds across all oil and gas wells in the state is about $9.1 billion...This estimate ignores environmental or health damages*

[10] US Energy Information Administration. California Field Production of Crude Oil. https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=MCRFPCA2&f=M
[11] *Ventura County Star*, "Oil bankruptcies leave environmental cleanup bills to California taxpayers." June 27, 2021, M. Olalde.
[12] Personal communication with State Oil and Gas Supervisor, June 8, 2022
[13] https://www.conservation.ca.gov/index/Pages/News/CalGEM-Oversee-Plugging-Abandonment-56-Oil-Gas-Wells-LA-County.aspx

that could be caused by orphan wells, which is a poorly understood category of potential impacts…" [14]

Moreover, as CCST points out, *"recovering costs from previous operators may be costly and time-consuming in practice."*[15]

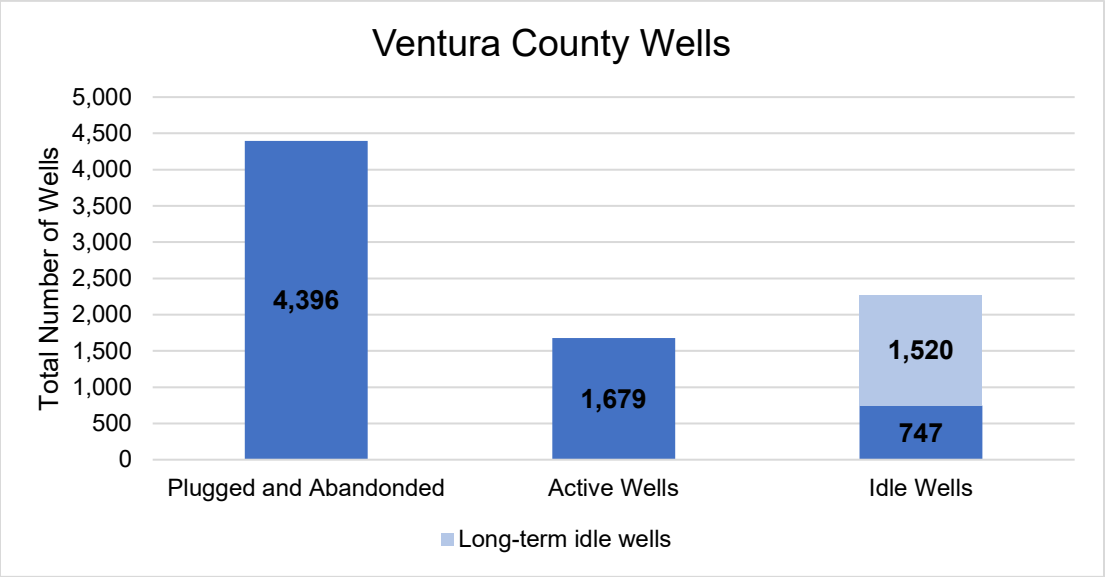
Numbers of Wells in Ventura County

Currently, there are 8,690 oil and gas wells in Ventura County that have been identified by CalGEM and included in its statewide reporting system, WellSTAR (Well Statewide Tracking and Reporting system) Data Dashboard[16]. This total includes both offshore and onshore wells and includes 249 wells identified as "cancelled", which means the permit was cancelled prior to drilling of the well. Approximately 91 percent of all wells (active, idle, and plugged and abandoned) are within unincorporated Ventura County. Of the total number of wells in the county, just over half are plugged and abandoned and just under 20 percent (1,679 wells) are active. There are approximately 2,267 idle wells, of which 1,520 are considered LTIW[17]. Using information available from CalGEM[18], staff determined that three operators, CalNRG (the company that recently acquired the Ventura County oil and gas leases formerly owned by CRC[19]), Aera Energy LLC, and Carbon California, LLC account for approximately 73 percent of all LTIW in Ventura County.

Figure 1 shows the status of the county's plugged and abandoned, active, and idle, wells.

[14] California Council on Science and Technology (CCST). 2018. Orphan Wells in California: An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells. pp. ix and 29.
[15] CCST, pg. 17
[16] CalGEM WellSTAR Data Dashboard. https://www.conservation.ca.gov/calgem/Online_Data/Pages/WellSTAR-Data-Dashboard.aspx. June 14, 2022.
[17] CalGEM. 2022.Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.
[18] CalGEM. 2022. Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022
[19] CRC. 2021. https://investors.crc.com/news/news-details/2021/California-Resources-Corporation-Reports-Second-Quarter-2021-Results-Increases-Free-Cash-Flow-Guidance-Raises-Share-Repurchase-Program-to-250-Million-and-Announces-Strategic-AD-Transactions/default.aspx. Accessed September 27, 2021.

Figure 1 – Well Status in Ventura County



As of December 2019, CalGEM had not identified any orphaned wells in Ventura County, although, as stated in its 2021 Idle Well Management Program Report, *"…the number of orphan wells identified … only reflects those orphan wells for which CalGEM has gathered sufficient information to issue a finding of desertion, and for which CalGEM has completed a financial solvency test."* In its 2021 Idle Well Management Program Report, CalGEM identified 439 wells in Ventura County as potentially deserted or deserted due to the operator's failure to pay idle wells fees.[20]

Estimated Costs of Plugging and Abandoning Idle Wells

In addition to knowing the numbers of idle and orphan wells, it is also important to understand the potential costs associated with plugging and abandoning them. Planning Division staff analyzed plugging and abandonment costs based on several assumptions and scenarios. One important assumption reflects the likelihood that neither deserted wells, LTIWs, nor even idle wells will be placed back into production. As the CCST study states*, "most long-term idle wells are unlikely to return to production even with large increases in output prices or improvements in production technology".* For example, the CCST study estimates that the likelihood of a well that has been idle for eight years returning to production is approximately 20 percent and decreases to about 13 percent if the well has been idle for at least 25 years.

As noted above, CalGEM data indicate that there are 1,520 LTIWs in Ventura County with another 747 wells that have been idle for at least two years (a total of 2,267 wells that are either idle or long-term idle). While these wells have not been orphaned yet,

[20] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019, to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).

should existing operators be unable or unwilling to pay the total costs for proper plugging and abandonment in the future, potential costs could be substantial, as described below.

There is a range of potential plugging and abandonment costs for wells in the state. To estimate costs for Ventura County's purposes, staff considered payments made by CalGEM to contractors to plug and abandon a total of 50 orphaned wells throughout the state between 2017-2019. These plugging and abandonment costs (i.e., contractor payments) averaged approximately $143,300 per well.[21]

Using this per well plugging and abandonment cost, staff calculated what costs might total countywide. Table 2 below summarizes the information described above and presents these estimated plugging and abandonment costs.

Table 2 – Summary of Well Types and Plugging and Abandonment Cost Estimates in Ventura County

Well Type*	Number of Wells	Percentage of wells requiring closure (likely not returned to production) ^	Total number of wells requiring closure	Total Estimated Closure Cost (based on $143,300/well)
Idle Wells	747	70%	523	$74.9 million
Long Term Idle Wells	1,520	80%	1,216	$174.2 million
Deserted Wells	439	100%	439	$62.9 million

*Well types not depicted in table include 4,396 plugged/abandoned wells; 1,679 active wells
^ CCST, 2018. Orphan Wells in California: An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells.

It is reasonable to anticipate that operators will properly plug and abandon some portion of these idle wells. However, as noted above, only three operators control approximately 73 percent of the LTIW in Ventura County. Thus, if 80 percent of these wells do not return to production in the near future and require closure, estimated plugging and abandonment costs totaling approximately $128 million, would be borne by a very small subset of operators countywide.

Moreover, although the State has a program wherein operators can either pay fees to the State or plug and abandon a certain percentage of their idle wells annually (i.e., Idle Well Management Plans), the timeframe allowed by the State to plug and abandon wells results in very long timelines to complete this work. For example, Aera Energy has 2,697 LTIWs throughout the state, including just under 300 LTIW in Ventura County. Using the

[21] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019, to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).

rates of closure required by CalGEM, it could take the company 126 years to plug and abandon all of its wells statewide. [22]

Comparing estimated closure costs to the $13 million that the State currently has available to pay for permanent closure of orphan wells throughout the entire state, current State funds would fall far short of the money needed to properly plug and abandon orphan wells. Moreover, even if the deserted wells that CalGEM has identified in the county are the only wells likely to become orphaned (439 wells), the unfunded abandonment liabilities are still substantial (~$63 million) and far exceed the amount the State has collected to cover orphan well closure statewide.

Proposed Well Abandonment Surety Amount

To establish a Well Abandonment Surety amount, Planning Division staff considered all the factors outlined above, including numbers of existing idle and deserted wells, environmental risks posed by orphan wells, the State's bonding obligation for individual operators as well as insufficient orphan well resources that exist statewide, and estimated abandonment costs of $143,300 per well. Based on these considerations, staff is recommending a Well Abandonment Surety of $36,000 per well, not to exceed $5 million for any individual operator, which is approximately 25 percent of the estimated costs of closure per well (i.e., $143,300 multiplied by 0.25).

To assess how this proposed surety amount might impact an operator's total obligation when combined with required bonds it pays the State, staff provides the following analysis. When the State's highest bond obligation (i.e., $40,000) is added to the County's proposed $36,000 surety amount, the total combined surety of $76,000 is approximately 53 percent of the estimated costs to plug and abandon a well. However, bond obligations could be even lower if an operator chooses to acquire a blanket indemnity bond from the State. For example, the State's blanket bond amount for an operator with 50 wells is $200,000, or $4,000 per well. It is important to note that all but four of the operators in Ventura County have between one and 51 wells. For the three largest operators in the county (each with over 400 wells), the proposed Well Abandonment Surety ceiling amount of $5 million equates to a per well bond amount of $12,500 (assuming 400 wells). With no bond ceiling, an operator with 400 wells would have a Well Abandonment Surety obligation totaling over $14 million.

Long-Term Idle Well Abandonment Supplement Surety

To address the Board's direction to encourage the timely plugging and abandoning of long-term idle wells that have been idle for 15 years or more, Planning Division staff is recommending that operators of LTIWs that have been idle for at least 15 years provide an additional "Long-Term Idle Well Abandonment Supplement Surety." This recommendation is discussed in more detail below under Topic Area 3 below.

[22] CalGEM. 2022. Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.

The well status information requested from operators and collected from CalGEM (i.e., total number of wells excluding properly plugged and abandoned wells) will be used to confirm the amount needed for the Surface Restoration Surety, the Well Abandonment Surety, and the Long-Term Idle Well Abandonment Supplement Surety.

Insurance

Existing minimum County insurance requirements, which cover liability arising from oil and gas operations for personal injury and damage to property, are currently set at $500,000 for one person and $1,000,000 for all persons and $2,000,000 for property damage. As with surety obligations, the Board directed Planning Division staff to recommend updated insurance requirements. Planning staff engaged with the CEO's Risk Management Office, as well as other consultants knowledgeable about oil and gas insurance requirements to evaluate insurance coverages. Further, insurance coverage amounts specific to oil and gas operations in other jurisdictions were examined, which identified other coverages including those related to pollution, control of well during drills, and umbrella policies. Table 3 sets forth relevant examples from other jurisdictions.

Table 3 – Insurance Coverage Examples for Oil and Gas Operations

Jurisdiction	Commercial/Comprehensive/ General Liability	Pollution Liability	Control of Well Liability	Excess/Umbrella Liability
City of Carson, California	$2 million single occurrence, $2.5 million in aggregate	$2 million single occurrence, $2.5 million in aggregate	$40 million per occurrence Maximum deductible of $500,000 per occurrence	$25 million
City of Dallas, Texas	$2 million per occurrence, $2 million in aggregate	$10 million per occurrence	$10 million	$25 million per occurrence, $25 million annual aggregate
Cities of Midlothian and Burleson Texas	$1 million	$1 million per loss, with annual aggregate of $10 million	$5 million per occurrence $10 million in aggregate	$5 million if operator has a stand-alone pollution liability policy, $10 million if it does not
Boulder, Colorado	$1 million per occurrence, $2 million aggregate	$25 million per occurrence, $25 million in aggregate	$25 million per occurrence, $25 million in aggregate	$25 million
Larimer County, Colorado	$1 million	$5 million per incident	$10 million	$25 million
Santa Fe, New Mexico	$10 million	$10 million	N/A	N/A

Furthermore, recent examples of environmental incidents at oil and gas operations demonstrate the significant costs that can potentially be incurred in such an event. The 2015 oil spill near Refugio Beach in Santa Barbara County resulted in at least $962 million in cleanup costs,[23] and the costs incurred due to a 2015 well failure at the Aliso Canyon natural gas facility in Porter Ranch have exceeded $1 billion.[24]

Given the potential significant cost of an incident at an oil and gas facility, and keeping in line with amounts imposed by other jurisdictions specific to oil and gas operations, Planning Division staff recommend the following insurance requirements:

General Liability for Oil & Gas Businesses: General Liability, with at least $2,000,000 each occurrence and $4,000,000 general aggregate;

Environmental Impairment**:** Pollution Liability Policy with coverage not less than $10,000,000.

Control of Well: (initial drill or well modification) coverage of a minimum of $10,000,000 per occurrence.

Excess (or umbrella) Liability Insurance**:** providing excess coverage for each of the perils insured by the preceding insurance policies with a minimum limit of $25,000,000.

Operators would have 90 days from the effective date of ordinance adoption to provide evidence of these coverages.

c. Topic Area 3: Measures Addressing Long-Term Idle Wells and Coordination with CalGEM to Prioritize Wells for Closure

As part of the Board's direction in November 2020, staff was directed to "incorporate measures [into an ordinance] to assure the timely permanent plugging and restoration of oil and gas wells that have been idle for 15 years or more." This issue is particularly pertinent in Ventura County as illustrated by CalGEM data showing that approximately 84 percent of LTIWs have been idle for at least 15 years.

Specifically, the Board contemplated requiring that operators submit a mitigation plan that would include an inventory of wells that have been idle for 15 years or more, cost estimates for remediation, and a schedule for their proper plugging and restoration. As noted above in the discussion related to sureties, the Planning Division will be requiring permittees to submit well inventories and will base the surety amounts on these inventories. However, CalGEM possesses exclusive statutory authority regarding the specifics of the timing and implementation of plugging and abandonment work. In this regard, Public Resources Code section 3205.7(a)(1) states that beginning July 1, 2022, CalGEM *"'shall begin requiring each operator of an oil or gas well to submit a report to the supervisor that demonstrates the operator's total liability to plug and abandon all wells and to decommission all attendant production facilities, including any needed site*

[23] https://www.pacbiztimes.com/2015/06/27/refugio-oil-spill-cleanup-costs-near-100-million/
[24] https://www.reuters.com/article/us-sempra-alisocanyon-natgas/socalgas-raises-estimated-cost-of-aliso-canyon-natgas-leak-to-1-07-billion-idUSKCN1SE27E

remediation, pursuant to Section 3208 and Article 4.2 (commencing with Section 3250), as applicable, on a schedule determined by the supervisor."

While CalGEM retains this exclusive statutory authority, the County retains a compelling interest in proper decommissioning of LTIWs to minimize the environmental and human health risks posed by such wells and to minimize the degree to which county land is impaired or remains unavailable for future uses. As noted above, approximately 84 percent (1,275) of the 1,520 LTIWs in Ventura County have been idle for 15 years or more. Not only will the likely costs of proper plugging and abandoning such a large number of LTIWs be significant, but orphan wells pose increased risks to groundwater, air and the surface environment. For example, older wells may have degraded well casings that allow oil or gas to leak; orphaned wells may still have old equipment and contaminated soils from small spills or other wastes at the surface; and studies around the country show that unplugged wells can leak methane into the environment.[25] As the U.S. Environmental Protection Agency notes, methane emissions can occur from the oil industry as a result of field production operations (e.g., gas venting from oil wells and storage tanks) and production-related equipment, such as pneumatic devices.[26] Furthermore, based on the 2015 greenhouse gas emissions inventory conducted specifically for unincorporated Ventura County (and included in the County's General Plan Climate Action Plan), the estimated amount of methane emitted from oil and gas-related stationary sources (e.g., generated by fuel combustion and fugitive emissions) totaled 3,203 metric tons.[27]

Despite the progress the State has made to better manage idle wells, as discussed above (e.g., AB 2729), there will likely remain a significant inventory of LTIWs in Ventura County that will take decades to properly decommission. For example, although Idle Well Management Plans specify a well decommissioning schedule, the schedule would still allow an operator to have wells legally idle for more than 15 years. In addition, an operator's Idle Well Management Plan applies to its entire portfolio of LTIWs across the state. Accordingly, an operator may choose to concentrate on plugging and abandoning wells outside of Ventura County, leaving proper closure of wells in Ventura County for last.

Based on these considerations and the large numbers of LTIWs in the county that have been idle for at least 15 years, staff is recommending that operators provide an additional surety for these wells. This surety would be referred to as the Long-Term Idle Well Abandonment Supplement Surety and would require that operators provide a supplemental surety of $15,000 for each 15+ LTIW well that has not already been properly plugged and abandoned, not to exceed a total cost of $5M for any one operator. For administrative efficiency, County permittees will have the option of submitting one

[25] American Geosciences Institute. 2018. Abandoned Wells. https://www.americangeosciences.org/geoscience-currents/abandoned-wells
[26] USEPA. 2021. Primary Sources of Methane Emissions. https://www.epa.gov/natural-gas-star-program/primary-sources-methane-emissions. Accessed October 18, 2021.
[27] General Plan Attachment 1 to Appendix B Climate Change-PDF; pg. 36.

combined surety reflecting the amounts of both this Long-Term Idle Well Supplement Surety and the Well Abandonment Surety that are required for the permittee's operations.

Operators would have 60 days after the effective date of the ordinance to provide data to the Planning Director substantiating the number of 15+ LTIWs that would be subject to the LTIW Abandonment Supplement Surety. Once reviewed and approved by the Planning Director, the operator would have an additional 180 days to provide the required surety.

All proceeds from the Long-Term Idle Well Abandonment Supplement sureties, as well as the proceeds for the Well Abandonment sureties, to the extent any such sureties are forfeited and the proceeds collected by the County, would be held in trust by the County and used for the sole purpose of addressing the plugging and abandonment of the subject wells. Consequently, the County could contribute the funds to the State for the plugging and abandonment of the subject wells under the direction of CalGEM or could provide the funds to the property owner or other responsible party to fund the plugging and abandonment of the subject wells in accordance with State rules and requirements.

Estimated Costs of Financial Assurances in Context of Estimated Revenue

Based on insurance discussions with CEO Risk Management, the cost of insurance premiums can vary depending on a variety of well characteristics, including the number, age, and depth of wells, the financial position of the operator, as well as other protective measures an operator may have in place. Therefore, it is not possible to provide accurate cost estimates for insurance premiums.

However, to provide an example of what an operator in unincorporated Ventura County might pay for the proposed sureties, staff evaluated costs for an operator with ten wells. Almost half of the operators in the county operate between one and ten wells. The combined annual cost of the Surface Restoration Surety and Well Abandonment Surety for a ten-well operation is estimated to be between $10,900 - $21,800.[28] While these costs are higher than what oil and gas operators have historically paid to comply with the County's existing $10,000 surety requirements, it is important to consider these costs in the context of the annual revenue an operator with ten wells might realize. Using data provided by the U.S. Energy Information Administration, estimated revenue for a typical ten-well operator is $1.2M annually. This estimate is based on 50 barrels per day for a ten-well operation at an average market price of $66 per barrel. (This is the approximate price per barrel over the ten-year period between 2012-2021.)[29] That said, as recently as

[28] This range is based on a $185,000 surface restoration surety and $360,000 well abandonment surety ($36,000 x 10 wells) for a total surety of $545,000. The range reflects operator costs of approximately 2-4% of the total surety amount. The total does not include the Long-Term Idle Well Abandonment Supplement Surety, as several of these operators do not have any 15+ LTIW.

[29] Estimate is based on 50 barrels per day for a 10-well operation at an average market price of $66 per barrel. An estimated production of 5 barrels per well is derived from *U.S. Energy Information Administration. 2020.The Distribution of U.S. Oil and Natural Gas Wells by Production Rate. December.*

July 1, 2022, the price per barrel (West Texas Intermediate crude) was approximately $108 per barrel.[30]

For the three largest operators in the county, the estimated annual cost for all three sureties (including the Long-Term Idle Well Abandonment Supplement) would range from $477,450 to $600,000[31], while estimated operator annual revenues from Ventura County wells range from $34 million to $211 million[32].

Table 4 – Summary of Proposed Bond and Insurance Requirements

Financial Assurance Mechanisms	Amount	Estimated Cost to Operator	Time Allowed for Submittal
Surface Restoration Surety	$100k - $10 million Depending on size of operation	2-4 percent of bond amount	Existing operators: 180 days after written confirmation from County on well inventory; New operators: prior to commencing permit activities. **Same for all bonds**
Well Abandonment Surety	$36,000 per well; not to exceed $5 million per operator	2-4 percent of bond amount	See above
Long Term Idle Well Abandonment Supplement Surety	$15,000 for 15-year+ idle wells; not to exceed $5 million per operator	2-4 percent of bond amount	See above
Insurance Coverages	- General Liability for Oil & Gas Businesses ($2-4 M) - Environmental Impairment ($10M) - Control of Well ($10M) - Excess (umbrella) Liability ($25M)	Coverage costs based on size and complexity of operation, financial position of operator.	90 days for all operators

Approximately 50% of wells in California produce 1-5 barrels of oil per day. Average market price of $66 per barrel is derived from U.S. EIA California Crude Oil First Purchase Price data available at https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=pet&s=f005006__3&f=m

[30] https://www.reuters.com/business/energy/oil-prices-rise-after-falling-3-previous-session-2022-07-01/

[31] Reflects operator costs of approximately 3% of the total surety amount for the three largest operators in the County.

[32] Revenue estimates are based on operators' 2021 production volume provided by CalGEM WellSTAR Data Dashboard and assuming average market price of $66 per barrel.

Coordinate with CalGEM to Prioritize Idle Wells for Closure

While not included in the proposed ordinance amendments or as part of the Board's November 10, 2020, direction (Exhibit 2), staff is requesting that the Board consider funding and directing the Planning Division to commission a professional evaluation to identify idle wells with "no reasonable expectation of being reactivated" that should be plugged and abandoned and to prioritize such wells for abandonment consistent with Public Resource Code section 3206.5 and other relevant state laws.[33] (Pursuant to California Code of Regulations section 1772.4 and Public Resource Code sections 3016, 3106, 3206 and 3206.1, CalGEM is currently in the process of establishing risk-based screening criteria to identify high-priority wells for plugging and abandoning.) This evaluation would provide a basis upon which the County could request that CalGEM prioritize well closure activities for idle wells in Ventura County. For example, the County could request that CalGEM first attend to idle wells with "no reasonable expectation of being reactivated" that are closest to sensitive receptors or those that may show evidence of deterioration.

B. ENVIRONMENTAL REVIEW PURSUANT TO THE REQUIREMENTS OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

Pursuant to the requirements of the California Environmental Quality Act (Pub. Res. Code, §§ 21000-21178, "CEQA"), and State CEQA Guidelines (Cal. Code Regs., tit. 14, §§ 15000-15387), the proposed project was evaluated for compliance with CEQA. The proposed project consists of the County's adoption and implementation of the above-described NCZO and CZO amendments related to establishing a 15-year term for new and extended CUPs, and updated surety and insurance requirements for oil and gas operations. Because the proposed zoning amendments have the potential to result in a reasonably foreseeable indirect physical change in the environment, they are considered a CEQA "project" (Cal. Code Regs., tit. 14, § 15378, subd. (a)(1)). As explained below, however, the proposed NCZO amendment is CEQA exempt under CEQA Guidelines sections 15061(b)(3), 15307, and 15308 of the California Code of Regulations.

Planning Division staff has determined that the adoption of the proposed project is exempt from CEQA pursuant to CEQA Guidelines section 15061(b)(3) because it can be seen with certainty that there is no possibility the project may cause a significant effect on the environment. This is often referred to as the "common sense exemption." Importantly, "significant effect on the environment" is expressly defined by the Public Resources Code as that which effects "a substantial, or potentially substantial, adverse change in the environment." (PRC § 21068.) To the extent the proposed project indirectly affects the

[33] Public Resource Code section 3206.5 allows the County to request a list from CalGEM of idle wells that have "no reasonable expectation of being reactivated and formally request the supervisor to make a determination whether the wells should be plugged and abandoned."

environment, the effect is expected to be beneficial. The NCZO text amendments do not relax standards for environmental protection but rather would: (1) allow the County to conduct CEQA review at the time of a proposed CUP renewal, following expiration of the maximum 15-year term, to determine whether any new mitigation measures should be imposed to protect the environment; (2) require greater amounts of financial assurances to help ensure adequate funding for post-closure site restoration and remediation, and proper plugging and abandonment of wells; and (3) require greater insurance coverages to protect against unfunded environmental damage that could be caused by oil and gas operations. All of these new County regulations provide for greater protection of the environment compared to the County's existing regulations.

Moreover, because the project consists of regulations intended to benefit the environment, it is also exempt pursuant to CEQA Guidelines section 15307, *Actions by Regulatory Agencies for Protection of Natural Resources*, and section 15308, *Actions by Regulatory Agencies for Protection of the Environment*. These exemptions consist of actions taken by regulatory agencies to assure the maintenance, restoration, enhancement, or protection of natural resources and the environment. As described above, this project fully meets these criteria. Finally, staff has determined that no substantial evidence exists precluding the use of the above categorical exemptions based on the presence of unusual circumstances or any other exception set forth in CEQA Guidelines section 15300.2.

Exhibit 8 of this staff report contains a thorough analysis supporting these exemption findings.

The proposed CZO amendment constitutes an amendment to the County's Local Coastal Program (LCP). Section 21080.9 of the Public Resources Code (which is part of CEQA) exempts local governments from preparing an environmental impact report or other CEQA document in connection with an amendment to an LCP. Instead, certification of an LCP amendment by the California Coastal Commission (Coastal Commission) is required and is subject to Coastal Commission review for compliance with the California Coastal Act of 1972. The Coastal Commission's regulatory program for the preparation, approval and certification of LCPs has been certified by the Natural Resources Agency under Public Resources Code section 21080.5 as the functional equivalent of CEQA review.

C. ORDINANCE AMENDMENT FINDINGS

Both the NCZO and the CZO authorize the Board to amend these zoning ordinances "*whenever the public health, safety, or general welfare, good zoning practice, and consistency with the General Plan* [or the *Coastal Act, or Coastal Area Plan*] *justify such action...*" Pursuant to NCZO section 8115-0 and CZO section 8184-1, the Board must make certain findings in order to amend them.

The Board's ability to make these required findings pursuant to the NCZO is evaluated below. Although the basis for making the necessary findings and the determination of consistency is similar for the CZO, the CZO discussion is included separately as Exhibit

7 because it also requires additional findings for consistency with the Local Coastal Program and the Coastal Act. This is being done to facilitate the future review of CZO amendments by the California Coastal Commission.

1. **The proposed amendment would not be detrimental to the public health, safety, or general welfare:**

The zoning amendments would enhance the public health, safety and general welfare by amending the NCZO to do the following: (1) limit the terms of new and renewed CUPs for oil and gas operations to 15 years, thus allowing the County, at the time of proposed permit renewal, to determine whether the then-applicable NCZO permit approval findings can be met, and whether any new permit conditions should be imposed to mitigate environmental impacts or to implement then-applicable General Plan policies; (2) require greater amounts of financial sureties to help ensure adequate funding for post-closure site restoration and remediation, and for plugging and abandonment of wells; and (3) require greater insurance coverages to protect against unfunded environmental damage that could be caused by oil and gas operations.

Based on the foregoing, this finding can be made.

2. **The proposed amendments constitute good zoning practice:**

Over the last five years, the State Legislature has acknowledged the need to address the potential environmental risks and financial liabilities posed by oil and gas operations that are not properly decommissioned. More is now publicly known about the numbers of idle, long-term idle, deserted, and orphaned wells throughout the state and in Ventura County.

At the same time, there is growing evidence of the detrimental impacts of climate change, including impacts in Ventura County. As reported in the Ventura County Star, five of our county's warmest years have occurred since 2014, when the county set a record for its hottest average temperature. As climatologist William Patzert explains, there is a consensus among scientists that extreme events are becoming more frequent and more intense, including the heatwaves, droughts and severe storms that have hit Ventura County.[34]

A warming climate is due in part to increasing emissions of greenhouse gases, including methane, a gas released as part of oil and gas operations. As noted above, GHG emission calculations conducted specifically for Ventura County in 2015 estimated that the amount of methane emitted from oil and gas related stationary sources totaled over 3,000 metric tons. Based primarily on climate change concerns, on April 23, 2021, Governor Gavin Newsom "requested that the California Air Resources Board (CARB) analyze pathways to phase out oil extraction across the state by no later than 2045."

[34] Ventura County Star, January 18, 2020, Cheri Carlson. "Earth just wrapped up its second warmest years. Here's what happened in Ventura County."

By authorizing a maximum 15-year term for new and renewed oil and gas CUPs, the zoning amendments allow the County, upon a permit's proposed renewal, to review the permit and project for consistency with applicable General Plan policies, land use development standards and requirements, and zoning ordinance provisions that may exist at the time of permit renewal. Additionally, the County would be able to review permits and projects for consistency with new state laws pertaining to these oil and gas operations. This would allow the County to review and modify oil and gas CUPs to reflect a range of physical conditions every 15 years, including those related to climate change, the status of the County's efforts to reduce greenhouse gas emissions, the permit compliance status of an operator, and the potential availability of new applicable technologies. Upon its 15-year review, the County could also determine that the findings could not be made to support permit renewal based on then-current circumstances including changes in state law.

The proposed zoning amendments also require greater amounts of financial sureties to help ensure adequate funding for post-closure site restoration and remediation, and for plugging and abandonment of wells; and require greater insurance coverages to protect against unfunded environmental damage that could be caused by oil and gas operations. By requiring additional funding and insurance to address these issues, the amendments will not only help avoid potential harm to the environment, health and safety, and private property interests, they will also help facilitate the redevelopment and reuse of former oil and gas production sites in the unincorporated area upon cessation of oil production. This will help foster economic growth, job creation, potentially provide for development of new housing and recreational opportunities, and otherwise allow for the beneficial use of former oil facilities located in the unincorporated area.

Based on the foregoing, this finding can be made.

3. The proposed amendment is consistent with the Ventura County General Plan:

Planning Division staff has determined that the proposed NCZO and CZO zoning amendments are consistent with General Plan Guiding Principles and relevant General Plan policies. The Ventura County General Plan includes 12 Guiding Principles that serve as touchstones for determining a project's consistency with the General Plan's goals, policies, and implementation programs. Five of these Guiding Principles provide consistency context for the proposed zoning amendments:

Conservation and Open Space - To conserve and manage the County's open spaces and natural resources, including soils, water, air quality, minerals, biological resources, scenic resources, as well as historic and cultural resources.

Hazards and Safety - To minimize health and safety impacts to residents, businesses and visitors from human-caused hazards such as hazardous materials, noise, air, sea level rise, and water pollution, as well as managing lands to reduce the impacts of natural hazards such as flooding, wildland fires, and geologic events.

Economic Vitality - To foster economic and job growth that is responsive to the evolving needs and opportunities of the County's economy and preserves land use compatibility with Naval Base Ventura County and the Port of Hueneme, while enhancing our quality of life and promoting environmental sustainability.

Climate Change and Resilience - To reduce greenhouse gas emissions to work toward achieving all adopted targets, proactively anticipate and mitigate the impacts of climate change, promote employment opportunities in renewable energy and reducing greenhouse gases, and increase resilience to the effects of climate change.

Environmental Justice - Commit to the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations and policies, protect disadvantaged communities from a disproportionate burden posed by toxic exposure and risk, and continue to promote civil engagement in the public decision-making process.

In addition to the Guiding Principles listed above, the proposed zoning amendments would most immediately and directly support the following General Plan policies:

COS-5.1 Soil Protection

The County shall strive to protect soil resources from erosion, contamination, and other effects that substantially reduce their value or lead to the creation of hazards. (RDR, SO)

COS-7.3 Compliance with Current Policies, Standards, and Conditions

The County shall require new or modified discretionary development permits for oil and gas exploration, production, drilling, and related operations be subject to current State and County policies, standards, and conditions.

COS-10.2 Community Greenhouse Gas Emissions Reduction Target for 2030

The County shall work toward achieving a community-wide GHG emissions reduction target of 41 percent below 2015 levels by 2030.

COS-10.4 Greenhouse Gas Reductions in Existing and New Development

The County shall reduce GHG emissions in both existing and new development through a combination of measures included in the GHG Strategy, which includes new and modified regulations, financing and incentive-based programs, community outreach and education programs, partnerships with local or regional agencies, and other related actions.

COS-10.3 Community Greenhouse Gas Emissions Reduction Goals for 2040 and 2050

The County shall work toward achieving longer-term, post-2030 community-wide GHG emissions reduction goals, as follows: 61 percent below 2015 levels by 2040, and 80 percent below 2015 levels by 2050.

HAZ-10.1 Air Pollutant Reduction

The County shall strive to reduce air pollutants from stationary and mobile sources to protect human health and welfare, focusing efforts on shifting patterns and practices that contribute to the areas with the highest pollution exposures and health impacts.

LU-17.3 Environmental Protection

The County shall apply environmental protection measures equally among geographic and socioeconomic sectors within designated disadvantaged communities of the county.

LU-17.4 New Incompatible Land Uses

The County shall not approve new discretionary projects within or in the immediate vicinity of existing residential areas, especially designated disadvantaged communities, introducing a new incompatible land use that could have substantial adverse health impacts on an area's residents.

LU-17.6 Negative Impacts from Potential Hazards

Within designated disadvantaged communities, the County shall work to reduce or prevent negative impacts associated with environmental hazards, including industrial and roadway generated pollution, to people who are living and working in close proximity to these uses.

LU-17.7 Brownfield Remediation

Within designated disadvantaged communities, the County shall promote the remediation and reuse of contaminated brownfield sites to spur economic development, expand natural open spaces and parks, community gardens, and other similar health-promoting community revitalization activities.

The proposed zoning amendments are consistent with, and would help to implement the General Plan's Guiding Principles and noted General Plan policies, as they would help ensure that the County's natural resources are protected over time by allowing the County to analyze new or renewed oil and gas exploration and development CUPs every 15 years for consistency with all applicable General Plan policies that may exist at the time of any required permit renewal, including any new or modified policies; conduct an evaluation at the time of proposed permit renewal to determine whether any new permit conditions are warranted to mitigate environmental and other potential adverse impacts, and whether such operations should continue in light of any new circumstances and state laws.

The proposed amendments also require greater amounts of financial assurances to help ensure adequate funding for post-closure site restoration and remediation, and for plugging and abandonment of wells; and require greater insurance coverages to protect against unfunded environmental damage that could be caused by oil and gas operations.

By requiring additional funding and insurance to address these issues, the amendments will not only help avoid potential harm to the environment, health and safety, and private property interests, they will also help facilitate the redevelopment and reuse of former oil and gas production sites in the unincorporated area upon cessation of oil production to allow for the potential beneficial use of the parcels containing former oil facilities located in the unincorporated area.

For the reasons articulated above, the proposed zoning amendments are also consistent with General Plan policies related to environmental justice and the County's Designated Disadvantaged Communities (DDCs), including Policies LU 17.3, 17.4, 17.6, and 17.7 (see above). As noted, at the time of any required permit renewal, the County will conduct a thorough permit review and determine whether new permit conditions are needed to protect DDCs, and additional financial resources will be available to help ensure proper post-closure restoration. There are three DDCs currently identified in the General Plan including the communities of El Rio-Del Norte, Piru, and Saticoy. The table below identifies the numbers of wells within these communities.

Table 5 – Wells Located within Designated Disadvantaged Communities

DDC Community	Active Wells	Idle Wells	LTIW	Plugged and Abandoned Wells
El Rio/Del Norte	7	27	12	20
Piru	104	194	111	507
Saticoy	0	0	0	0

General Plan Policies Addressing Economic Vitality

The General Plan's Economic Vitality Element contains policies addressing a broad range of economic issues including business development, infrastructure and resource needs, housing supply and job growth. Policy EV-1.1 incorporates the Ventura County Economic Vitality Strategic Plan (EVSP) into the General Plan, which contains several major goals to promote the regional economy including fostering targeted economic growth that supports the County's commitment to quality of life and environmental sustainability.
The precise economic impacts associated with the proposed zoning amendments on the County's oil and gas permittees are not known and depend on numerous industry and operator-specific variables. The proposed amendments addressing sureties and insurance requirements would have the most direct economic impact on operators, but as explained in this staff report, the costs of these requirements are reasonable, especially in the context of the operators' estimated revenues derived from their oil and gas production in the unincorporated area. For example, the combined annual cost of the Surface Restoration Surety and Well Abandonment Surety for a ten-well operation is estimated to be between $10,900 - $21,800, while estimated annual revenue for an operation of the same size is $1.2 million, based on a ten-year average market price per barrel of $66. As noted above, as of July 1, 2022, the market price per barrel is approximately $108. Estimated surety

costs for all proposed sureties for the three largest operators range from approximately $487,000 - $600,000, (based on surety cost of three percent of total surety amount), while estimated operator annual revenues from Ventura County wells range from $34 million to $211 million.

As explained above, the zoning amendments will not only help avoid potential harm to the environment, health and safety, and private property interests, they will also help facilitate the redevelopment and reuse of former oil and gas production sites in the unincorporated area upon cessation of oil production. Potential reuse of these sites to permitted or conditionally permitted uses as set forth in their respective specific zoning district land use matrices would allow for the economically beneficial use of parcels containing former oil facilities located in the unincorporated area.

D. PLANNING COMMISSION HEARING NOTICE and PUBLIC OUTREACH

The Planning Division provided a public notice regarding the Planning Commission hearing in accordance with Government Code section 65090, NCZO section 8111-3.1 and CZO section 8181-6.2.1. The Planning Division placed a legal advertisement providing notice of this public hearing in the *Ventura County Star* on July 15, 2022*,* and in Spanish in *Vida* on July 14, 2022.

A project web page (available in English and Spanish) was also available three weeks prior to the Planning Commission hearing (July 8, 2022), which provided access to the proposed ordinances. The web page also included detailed Frequently Asked Questions and Answers, which were available in English and Spanish. Staff also sent an email notification of the hearing to approximately 1,265 stakeholders on July 8, 2022.

As of the date this staff report was made available to the public, staff has received four written comments and three telephone inquiries regarding the project. The written comments are included in Exhibit 9.

E. RECOMMENDED ACTIONS

Based upon the analysis and information provided above, Planning Division staff recommends that the Planning Commission take the following actions:

1. **CERTIFY** that the Commission has reviewed and considered this staff report and all exhibits hereto, and has considered all other materials and public comments received during the public comment and hearing processes; and

2. **ADOPT** a resolution (Exhibit 1) recommending that the Board of Supervisors take the following actions regarding the proposed amendments to the Non-Coastal Zoning Ordinance and the Coastal Zoning Ordinance.

a. **CERTIFY** that the Board has reviewed and considered the Board letter and all exhibits hereto, the Planning Commission staff report and all exhibits thereto, and has considered all other materials and public comments received during the public comment and hearing;

b. **FIND** that the adoption of the proposed ordinance amending the Ventura County Non-Coastal Zoning Ordinance (Exhibit 3) is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines section 15061(b)(3) because it can be seen with certainty that there is no possibility the project may cause a significant effect on the environment; **FIND** that because the project consists of regulations intended to benefit natural resources and the environment, it is also categorically exempt from CEQA pursuant to CEQA Guidelines sections 15307 and 15308; **FIND** that no substantial evidence exists precluding the use of the above categorical exemptions based on the presence of unusual circumstances or any other exception set forth in CEQA Guidelines section 15300.2; and **FIND** that adoption of the proposed ordinance amending the Ventura County Coastal Zoning Ordinance (Exhibit 4) is statutorily exempt from CEQA pursuant to Public Resources Code section 21080.9 as an amendment to the County's Local Coastal Program;

c. **FIND** that the proposed ordinance amending the Ventura County Non-Coastal Zoning Ordinance (Exhibit 3) is consistent with the goals, policies and programs of the Ventura County General Plan and good planning practices and is in the interest of public health, safety and general welfare;

d. **FIND** that the proposed ordinance amending the Ventura County Coastal Zoning Ordinance (Exhibit 4) is consistent with the goals, policies and programs of the Ventura County General Plan, the Ventura County Coastal Area Plan, the Coastal Act (Exhibit 7) and good planning practices, and is in the interest of public health, safety and general welfare;

e. **ADOPT** the proposed ordinances amending the Ventura County Non-Coastal Zoning Ordinance (Exhibit 3) and Coastal Zoning Ordinance (Exhibit 4); and

3. **DIRECT** Planning Division staff, pursuant to Public Resources Code section 3206.5, to commission a professional evaluation to identify and prioritize Ventura County wells that should be plugged and abandoned, (i.e., those that have "no reasonable expectation of being reactivated"). This evaluation would be provided to the supervisor of CalGEM for a formal determination and identification of wells that should be plugged and abandoned in Ventura County.

4. **SPECIFY** the Clerk of the Board of Supervisors at 800 S. Victoria Avenue, Ventura, CA 93009 as the location and custodian of the documents and materials that constitute the record of proceedings upon which these decisions are based.

This staff report has been reviewed by County Counsel. If you have any questions concerning the information presented above, please contact me at (805) 654-2481 or at Dave.Ward@ventura.org, or Shelley Sussman at (805) 654-2493 or at Shelley.Sussman@ventura.org.

Prepared by:

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Reviewed by:

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Exhibits

Exhibit 1	Planning Commission Resolution to Board of Supervisors
Exhibit 2	November 10, 2020, Board letter
Exhibit 3a	Clean version of proposed ordinance amending the Non-Coastal Zoning Ordinance
Exhibit 3b	Legislative format of proposed ordinance amending the Non-Coastal Zoning Ordinance
Exhibit 4a	Clean version of proposed ordinance amending the Coastal Zoning Ordinance
Exhibit 4b	Legislative format of proposed ordinance amending the Coastal Zoning Ordinance
Exhibit 5	Summary of recent State laws related to oil and gas operations
Exhibit 6	Unit cost estimates for surface remediation of oil/gas sites
Exhibit 7	Coastal Zoning Ordinance Amendment Findings and Consistency Analysis
Exhibit 8	Analysis supporting California Environmental Quality Act exemption
Exhibit 8a	Footnotes cited in Exhibit 8 not otherwise included in Attachment A
Exhibit 9	Written comments submitted as of July 20, 2022, at 12:00 p.m.

Attachment A - Footnote References for Staff Report and Exhibit 8

RESOLUTION 22-XX FOR PL21-099 AND PL21-100 REGARDING PROPOSED COUNTY-INITIATED ORDINANCES AMENDING VENTURA COUNTY NON-COASTAL ZONING ORDINANCE DIVISION 8, CHAPTER 1, ARTICLE 7, AND VENTURA COUNTY COASTAL ZONING ORDINANCE DIVISION 8, CHAPTER 1.1, ARTICLE 5, PERTAINING TO OIL AND GAS EXPLORATION AND PRODUCTION PERMIT TERMS, SURETIES AND INSURANCE

WHEREAS, on November 10, 2020, the Board of Supervisors (Board) directed the Resource Management Agency (RMA) to return to the Board with amendments to both the Non-Coastal Zoning Ordinance (NCZO) and the Coastal Zoning Ordinance (CZO) addressing three topic areas related to the regulation of oil and gas operations in unincorporated Ventura County: (1) limit discretionary permits for oil and gas operations to 15 years; (2) increase the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance; and (3) incorporate measures to assure the timely permanent plugging and restoration of oil and gas wells that have been idle for 15 years or more. and

WHEREAS, pursuant to the aforementioned Board direction, on July 28, 2022, the Ventura County Planning Commission held a legally noticed public hearing to consider, and to make a recommendation to the Board regarding, an ordinance amending NCZO Sections 8107-5.4, 8107-5.6.5, 8107-5.6.11, and 8107-5.6.12, and an ordinance amending CZO Sections 8175-5.7.5 and 8175-5.7.8; and

WHEREAS the Commission considered all written and oral testimony from County staff and the public on this matter; and

WHEREAS, after the close of the public hearing, Planning Commissioner District __, made a motion to approve staff's recommended actions, seconded by Planning Commissioner District ___; and

WHEREAS the motion carried / failed:

NOW, THEREFORE, BE IT RESOLVED that the Planning Commission recommends that the following actions be taken by the Board with respect to the proposed ordinances amending the NCZO and CZO:

1. **CERTIFY** that the Board has reviewed and considered the Board letter and all exhibits hereto, the Planning Commission staff report and all exhibits thereto, and has considered all other materials and public comments received during the public comment and hearing;

2. **FIND** that the adoption of the proposed ordinance amending the Ventura County Non-Coastal Zoning Ordinance (Exhibit 3) is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines section 15061(b)(3) because it can be seen with certainty that there is no possibility the

project may cause a significant effect on the environment; **FIND** that because the project consists of regulations intended to benefit natural resources and the environment, it is also categorically exempt from CEQA pursuant to CEQA Guidelines sections 15307 and 15308; **FIND** that no substantial evidence exists precluding the use of the above categorical exemptions based on the presence of unusual circumstances or any other exception set forth in CEQA Guidelines section 15300.2; and **FIND** that adoption of the proposed ordinance amending the Ventura County Coastal Zoning Ordinance (Exhibit 4) is statutorily exempt from CEQA pursuant to Public Resources Code section 21080.9 as an amendment to the County's Local Coastal Program;

3. **FIND** that the proposed ordinance amending the Ventura County Non-Coastal Zoning Ordinance (Exhibit 3) is consistent with the goals, policies and programs of the Ventura County General Plan and good planning practices and is in the interest of public health, safety and general welfare;

4. **FIND** that the proposed ordinance amending the Ventura County Coastal Zoning Ordinance (Exhibit 4) is consistent with the goals, policies and programs of the Ventura County General Plan, the Ventura County Coastal Area Plan, the Coastal Act (Exhibit 7) and good planning practices, and is in the interest of public health, safety and general welfare;

5. **ADOPT** the proposed ordinances amending the Ventura County Non-Coastal Zoning Ordinance (Exhibit 3) and Coastal Zoning Ordinance (Exhibit 4); and

6. **DIRECT** Planning Division staff, pursuant to Public Resources Code section 3206.5, to commission a professional evaluation to identify and prioritize Ventura County wells that should be plugged and abandoned, (i.e., those that have "no reasonable expectation of being reactivated"). This evaluation would be provided to the supervisor of CalGEM for a formal determination and identification of wells that should be plugged and abandoned in Ventura County.

7. **SPECIFY** the Clerk of the Board of Supervisors at 800 S. Victoria Avenue, Ventura, CA 93009 as the location and custodian of the documents and materials that constitute the record of proceedings upon which these decisions are based.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Planning Commission recommends that the Board direct Planning Division staff, pursuant to Public Resources Code section 3206.5, to commission a professional evaluation to identify idle oil and gas wells located in unincorporated Ventura County that have no reasonable expectation of being reactivated and should thus be plugged and abandoned, and to provide said evaluation to the California State Oil and Gas Supervisor with a formal request for a determination whether the identified wells should be plugged and abandoned.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Planning Commission's reasons for the above-stated recommendations to the Board, and the relationship between the proposed ordinances and the General Plan, are specified in Sections A, B, and C of the Planning Commission staff report and exhibits thereto. As a general summary, the Planning Commission finds that the proposed ordinances would help ensure that the County's natural resources are protected over time by allowing the County to analyze new or renewed oil and gas exploration and development conditional use permits at least every 15 years for consistency with all applicable General Plan policies that may exist at the time of any required permit renewal, including any new or modified policies; conduct an evaluation at the time of proposed permit renewal to determine whether any new permit conditions are warranted to mitigate environmental and other potential adverse impacts, and whether such operations should continue in light of any new circumstances and state laws.

As reported by the State, long-term idle oil and gas wells pose risks to the environment ranging from water contamination to releases of toxic substances and methane, a potent greenhouse gas and the longer a well remains idle, the more likely it is to be deserted by the operator and the greater the likelihood that public health and the environment could be threatened. Moreover, based on evidence in the record, there is a high likelihood that the State will not have sufficient funds to fully address the number of anticipated orphaned wells that will require proper plugging and abandonment. In order to address these issues, the proposed ordinances also require greater amounts of financial assurances to help ensure adequate funding for post-closure site restoration and remediation, and for plugging and abandonment of oil and gas wells; and require greater insurance coverages to protect against unfunded environmental damage that could be caused by oil and gas operations. By requiring additional funding and insurance to address these issues, the proposed ordinances will not only help avoid potential harm to the environment, health and safety, and private property interests, they will also help facilitate the redevelopment and reuse of former oil and gas production sites in the unincorporated area upon cessation of oil production to allow for the potential beneficial use of the parcels containing former oil facilities located in the unincorporated area.

This is to certify that the foregoing is a true and correct copy of the Resolution reflecting the actions taken by the Ventura County Planning Commission at a public hearing regarding the above-described matter on July 28, 2022.

_____
Dave Ward, AICP
Secretary to the Ventura County Planning Commission

MEMBERS OF THE BOARD
KELLY LONG, Chair
STEVE BENNETT
LINDA PARKS
ROBERT O. HUBER
JOHN C. ZARAGOZA

BOARD OF SUPERVISORS
COUNTY OF VENTURA
GOVERNMENT CENTER, HALL OF ADMINISTRATION
800 SOUTH VICTORIA AVENUE, VENTURA, CALIFORNIA 93009

November 10, 2020

Board of Supervisors
County of Ventura
800 South Victoria Avenue
Ventura, CA 93009

SUBJECT: Recommendation of Supervisors Bennett and Parks to Direct the Resource Management Agency to Return To the Board by June 2021 with Zoning Ordinance Amendments to Limit Discretionary Permits for Oil and Gas Operations to Fifteen Years, to Increase the Amount of the Compliance/Site Restoration Surety, and to Incorporate Measures to Assure the Timely Permanent Plugging and Restoration of Wells that Have Been Idle for Fifteen Years or More

RECOMMENDED ACTIONS:

Direct the Resource Management Agency to return to the Board by June 2021 with Coastal and Non-Coastal Zoning Ordinance Amendments to:

A) Limit discretionary permits for oil and gas operations to fifteen years in duration, except for reclamation activities;
B) Increase the amount of the oil & gas permit compliance/site restoration surety;
C) Incorporate measures to assure timely permanent plugging and restoration of wells that have been idle for fifteen years or more.

DISCUSSION:

On September 15th, our Board approved the General Plan Update (GPU) including a Climate Action Plan calling for reductions in greenhouse gas (GHG) emissions. Our Board also recently appointed a Climate Emergency Council to further GHG reduction beyond the measures specified in the GPU.

Recent extreme weather events and firestorms have increased the public's interest in addressing climate change locally. While in the press, a series of investigative articles in the Los Angeles Times identified idle or abandoned oil wells as a multi-billion-dollar problem in California and a source of GHG emissions. Locally, oil production facilities near Oxnard and at Rincon Island have been abandoned and will cost the State millions of dollars to remediate. Ventura County contains a very large number of aging and idle oil wells and infrastructure, some of which have resulted in leaks, and nearly all of which will eventually need to be removed, properly plugged/remediated, and sites restored as oil and gas production declines in the future. Neither State nor County government has a clear plan, timeline, and funding mechanism to adequately assure the reclamation of all oil sites and infrastructure.

Global, State, and national consumption of oil have all declined dramatically in 2020.The economic downturn and low oil prices will likely add to the number of idle wells in the future. On September 23rd, Governor Newsom issued an Executive Order banning the sales of internal combustion vehicles by year 2035. The County of Ventura, through the 2040 General Plan and other policies, plans, and actions is pursuing alternatives to petroleum-fueled vehicles and encouraging alternative transportation through transit and active transportation, and similar efforts are being carried out by other local and state governments.

Between declining oil consumption and adopted programs of GHG emissions reduction and alternative transportation, there is uncertainty as to the long-term need for expanded oil and gas production in Ventura County.

Fifteen-Year Discretionary Permit Limit

County government currently has no policy on the length of time for discretionary oil and gas permits. Projects that have come before our Board have ranged from twenty to thirty years as approved or recommended permit time periods. As we know, discretionary permits can be extended with a straight-forward permit process. However, the modification or revocation of discretionary permits is sufficiently problematic as to be nearly prohibitive.

With the uncertainty over the long-term need for expansion of oil and gas production, the prospect of substantial need for site remediation and reclamation without highly reliable assurance of timely success, and the relative ease of permit extension compared to permit modification, it is appropriate that our Board establish a policy of limiting new discretionary oil and gas facility/operations to a fifteen year time period, with the exception of permits for reclamation activities.

A shorter permit period enables the County to have greater control over the operation and disposition of facilities, greater ability to address any identified shortcomings or previously unknown or unconsidered issues, greater ability to apply new conditions as future conditions warrant, and greater ability to address the remediation of any portions of the permit site no longer in active use. In cases where an applicant is interested in a large-scale, long-term production proposal, the applicant could either phase the development and apply for discretionary permits as the project is built-out over time, or apply for permit extensions or expansions.

Increasing the Amount of the Oil & Gas Permit Compliance-Site Restoration Surety

The Non-Coastal Zoning Ordinance, in the Oil Development Standards section, provides for a performance/penal surety for oil and gas operations as follows:

"…a bond or other security in the penal amount of not less than $10,000.00 for each well that is drilled or to be drilled. Any operator may, in lieu of filing such a security for each well drilled, redrilled, produced or maintained, file a security in the penal amount of not less than $10,000.00 to cover all operations conducted in the County of Ventura,…"

This section appears to not have been amended to increase the surety amount since adoption of the section in the 1980's. Clearly, the $10,000 figure is no longer an adequate amount to address non-compliance or site restoration, and should be appropriately increased to cover both instances of permit or ordinance non-compliance, and site restoration upon termination of the operation(s) or permit.

Measures to Address Plugging and Restoration of Long-Idle Wells

On May 3, 2016 our Board voted to support State action to require the permanent plugging and remediation of oil and gas wells that have been idle for an extended period. Planning staff had advised that a fifteen-year period encompassed multiple oil price cycles, and wells that remained idle longer were unlikely to be operated in the future and should be permanently and properly plugged and site restored.

Uncapped idle and abandoned wells, left unattended, can leak oil contaminants into aquifers, waterways, contaminate soil and pollute the air, posing public health and safety concerns to our communities in the forms of spills, emissions, or explosions.

Such wells can also cause safety issues as attractive nuisances when they are not secured. Leaking GHG also undermine statewide GHG reduction efforts. It is appropriate that our Board establish a policy requiring applicants seeking new or

renewed permits for oil wells to submit a viable mitigation plan for addressing their existing uncapped long-idle or abandoned wells in Ventura County.

Well remediation is an important part of a just transition to a clean, renewable energy economy. We must protect taxpayers by requiring operators to meet their legal obligation to properly remediate their long-idle wells before the risk of financial insolvency is too great. The toxic burden from carelessly abandoned oil and gas wells by financially insolvent or negligent operators should not become a burden to taxpayers. An applicant's viable mitigation plans for capping their long-idle wells in Ventura County should be part of the consideration for determining an applicant's new or extended discretionary permits.

This information will inform decisionmakers of the performance of applicants to meet environmental safeguards and can be used to condition new permits to ensure compliance. The submitted mitigation plans must be viable and include but not be limited to an inventory of such wells in Ventura County that are owned by the applicant and their affiliates, cost estimates for the remediation, and a schedule for their proper plugging and restoration, recognizing that oversight of the actual well work falls under State authority.

Adoption of the recommended actions will further the implementation of the GPU and Climate Action Plan and County and State GHG reduction goals, and enhance protection of communities, resources, and the environment.

Cordially,

Steve Bennett
Supervisor, First District

Linda Parks
Supervisor, Second District

ORDINANCE NO. _____

AN ORDINANCE OF THE COUNTY OF VENTURA, STATE OF CALIFORNIA, AMENDING DIVISION 8, CHAPTER 1, SECTIONS 8107-5.4, 8107-5.6.5, 8107-5.6.11, AND 8107-5.6.12 OF THE VENTURA COUNTY ORDINANCE CODE, NON-COASTAL ZONING ORDINANCE, PERTAINING TO OIL AND GAS EXPLORATION AND PRODUCTION PERMIT TERMS, SURETIES AND INSURANCE

The Board of Supervisors of the County of Ventura ("County") ordains as follows:

Section 1

Section 8107-5.4 of the Ventura County Ordinance Code is hereby amended to read as follows:

Sec. 8107-5.4 – Required Permits; Application Processing

a. No oil or gas exploration or production related use may commence without or be inconsistent with a Conditional Use Permit approved pursuant to this Chapter. Furthermore, a Zoning Clearance must be obtained by the permittee to confirm consistency with the Zoning Ordinance and/or Conditional Use Permit prior to drilling every well, commencing site preparation for such well(s), or installing related appurtenances, as defined by the Planning Director. However, a single Zoning Clearance may be issued for more than one well or drill site or structure. Possession of an approved Conditional Use Permit shall not relieve the operator of the responsibility of securing and complying with any other permit which may be required by other County Ordinances, or State or Federal laws. No condition of a Conditional Use Permit for uses allowed by this Chapter shall be interpreted as permitting or requiring any violation of law, or any lawful rules or regulations or orders of an authorized governmental agency. When more than one set of rules apply, the stricter one shall take precedence.

b. New Conditional Use Permits and permit modifications that include, but are not necessarily limited to, permit renewals or time extensions that authorize oil and gas exploration and production shall not be approved with a term that exceeds 15 years, although subsequent terms not to exceed 15 years may be sought pursuant to Renewal Applications in accordance with Section 8107-5.4(c) below. Post-closure activities such as any required site restoration may occur after a Conditional Use Permit's term expires.

c. This Section 8107-5.4(c), rather than Section 8111-2.10 (Continuance of Permit During Application Renewal) of this Article, shall apply to discretionary permit modification applications that include, but are not necessarily limited to, a request to renew the term of an existing Conditional Use Permit that authorizes oil and gas

exploration and production (hereinafter, "Renewal Application"). In order for an existing Conditional Use Permit that is the subject of a Renewal Application to remain in effect while said application is processed and acted upon by the County, the following application materials must be submitted to the Planning Division no later than 12 months before the expiration date of the existing Conditional Use Permit:

1. A completed County discretionary permit application form;
2. An executed County Reimbursement Agreement regarding the recovery of County costs to process the application;
3. An initial fee deposit for the processing of the application in accordance with the Planning Division Fee Schedule;
4. A site plan of the entirety of the area subject to the existing Conditional Use Permit that depicts the location and nature of all existing and proposed oil and gas facilities;
5. A list of all existing oil and gas wells located within the existing Conditional Use Permit area by American Petroleum Institute (API) number;
6. A written project description; and
7. Any other generally applicable application materials that are required in writing by the Planning Division.

In order for the existing Conditional Use Permit to remain in effect pursuant to this Section 8107-5.4(c) while a Renewal Application is processed and acted upon by the County, the applicant must also diligently pursue the application to final decision, including, but not limited to, by timely responding to all County requests for information that are required to process and act upon the application.

Section 2

Section 8107-5.6.5 of the Ventura County Ordinance Code is hereby amended to read as follows:

Sec. 8107-5.6.5 –Sureties for Oil and Gas Exploration and Production

a. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such *person* is defined as an "operator" for purposes of this Section 8107-5.6.5.

b. Each operator shall file, in a form acceptable to County, surety bonds or cash equivalents as described below. Each surety shall list the County of Ventura as the obligee. Operators shall maintain the minimum amount of each surety with no gap in coverage until the operator has fulfilled and performed the obligation secured by each respective surety. County sureties required by this Section 8107-5.6.5 are additional to any sureties required by state and federal agencies for oil and gas operations.

c. For purposes of this Section 8107-5.6.5, the term "well" shall have the same meaning as broadly defined by Public Resources Code section 3008, subdivision (a), and shall include the specific types of wells defined in Public Resources Code section 3008, subdivisions (b) through (e), as may be amended.

d. Surety bonds shall be issued by an entity listed in the latest version of U.S. Department of Treasury Circular 570 that is authorized to issue bonds in California, and that has a bonding limitation shown in said circular sufficient to provide bonds in the amount required by this Section 8107-5.6.5.

e. A cash equivalent surety may consist of a letter of credit, cashier's check, or certificate of deposit. It must be prepared and issued by a federally insured commercial bank with an office in California in a form approved by County Counsel, payable to the County of Ventura, in an amount equal to the required surety or the sum of the amounts of the required surety.

f. Each surety shall be conditioned upon the operator fulfilling and performing the obligation secured by the respective surety. In particular, the Surface Restoration Surety as described below shall be conditioned on the operator's Restoration (defined below) of its oil and gas exploration and production sites in unincorporated Ventura County as determined and confirmed by the Planning Director or designee. The Well Abandonment Surety and Long-Term Idle Well Abandonment Supplement Surety as described below shall be conditioned on the operator's proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. In case of any failure by the operator to perform its obligations under a surety, the Planning Director shall declare all or part of the surety forfeited in accordance with its provisions. The surety company and principal shall be jointly and severally obligated to pay forthwith the full amount of the forfeiture to the County of Ventura. The forfeiture of any surety shall not insulate the operator and/or property owner from liability in excess of the sum of the surety for damages or injury, or expense or liability suffered by the County of Ventura or other parties, from any breach by operator and/or property owner of any term or condition of a County permit or violation of any applicable law or governmental regulation. Each surety shall be promptly released and exonerated by County after all applicable obligations have been performed and satisfied.

g. Surety Amounts

(1) Surface Restoration Surety. A Surface Restoration Surety is required to guarantee the operator's restoration and remediation of its oil and gas production and exploration sites in unincorporated Ventura County to as nearly their pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the above ground oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or otherwise complying with all applicable local, state and federal restoration and remediation requirements including but not limited to all revegetation requirements contained in an existing Conditional Use Permit or Special Use Permit authorizing the land use (collectively, "Restoration"). All Surface Restoration Surety amounts forfeited to the County shall be held in trust and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding Restoration of the operator's site(s). The default amount of the Surface Restoration Surety shall be based on the total number of operator's wells, exclusive of properly abandoned wells, within unincorporated Ventura County as follows:

1-5 wells - $100,000

6-10 wells - $185,000

11-20 wells - $300,000

21- 50 wells – $500,000

51 – 100 wells - $1,000,000

101 - 200 wells - $3,000,000

201 - 400 wells - $5,000,000

≥401 wells - $10,000,000

In lieu of providing a surety in the above-stated default amount (hereinafter, "Default Amount"), the amount of the surety may reflect the estimated cost of Restoration of the operator's oil and gas exploration and production sites in unincorporated Ventura County as based on a restoration plan and cost estimate prepared by qualified third-party professionals at operator's sole expense ("Cost Estimate Amount"). For the surety amount to be initially established at the Cost Estimate Amount, the cost estimate and restoration

plan must be submitted to, and approved as to accuracy by, the Planning Division prior to the date the Surface Restoration Surety is initially due. Otherwise, the initial surety amount shall be the Default Amount which may thereafter be adjusted upon the Planning Division's approval as to accuracy of an operator-submitted cost estimate and restoration plan.

(2) Well Abandonment Surety. A Well Abandonment Surety is required to guarantee the proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the surety shall be $36,000 for each of operator's wells, exclusive of properly abandoned wells, not to exceed $5,000,000 for any one operator for its wells located in unincorporated Ventura County. All Well Abandonment Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

(3) Long-Term Idle Well Abandonment Supplement Surety. A Long-Term Idle Well Supplement Surety is required, in addition to the Well Abandonment Surety, to further guarantee that long-term idle wells are properly plugged and abandoned in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the supplement surety shall be $15,000 for each of operator's long-term idle wells that has been idle for 15 years or more, not to exceed $5,000,000 for any one operator for its 15-year-plus idle wells located in unincorporated Ventura County. This supplement surety amount may be added to, and jointly filed with the County with, the required Well Abandonment Surety in cases where the sureties are covering the same wells. All Long-Term Idle Well Abandonment Supplement Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

h. Calculating, Filing and Maintaining Sureties

(1) New and renewed Conditional Use Permits shall include a condition of approval requiring the filing of all sureties required by this Section 8107-5.6.5 prior to use inauguration of the new or renewed permit.

(2) Each operator with existing wells within unincorporated Ventura County shall submit a complete inventory of its wells (including but not limited to active, idle, plugged and abandoned) for review by the Planning Division by [**60 days after the effective date of the ordinance**].

(3) The Planning Director or designee shall verify the required surety amounts based upon review of information provided by the operator, the California Geologic Energy Management Division or its successor agency, and County permit records, and notify the operator in writing. Operators with existing wells in unincorporated Ventura County shall provide the Planning Division all sureties required pursuant to this Section 8107-5.6.5 within 180 days from the date of this notification.

(4) Between January 1 and January 31st of each calendar year commencing the year immediately after operators submit their initial sureties pursuant to this Section 8107-5.6.5, each operator shall submit an annual inventory of its active, idle, plugged and abandoned, and other wells to the Planning Division, along with verification that the annual premiums for all required sureties have been paid. This shall be referred to as the "Annual Surety Review". During the Annual Surety Review, or at any other time, an operator may request a surety adjustment in the event the amount of a required surety has changed in accordance with the applicable provisions of this Section 8107-5.6.5.

(5) At each five-year interval after the initial Annual Surety Review, each surety amount shall be inflation indexed (i.e., increased or decreased to account for inflation over the preceding five-year period) based on the U.S. Department of Labor, Bureau of Labor Statistics, Consumer Price Index for Los Angeles-Long Beach-Anaheim. Approximately 30 days prior to the Annual Surety Review process conducted on each such fifth year, the Planning Division shall notify each operator of the adjusted surety amounts, as inflation indexed. Operators shall thereafter submit replacement sureties to the Planning Division based on the applicable new amounts during the Annual Surety Review for that year.

Section 3

Section 8107-5.6.11 of the Ventura County Ordinance Code is hereby amended to read as follows:

Sec. 8107-5.6.11 – Site Restoration

a. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following restoration and remediation requirements shall apply to all existing and new oil and gas exploration and production sites and operations in unincorporated Ventura County. On expiration, revocation, relinquishment or abandonment of a Conditional Use Permit or Special Use Permit (collectively, "permit") authorizing the subject oil and gas production exploration and production land use ("Termination of Use"), the operator or property owner must restore and remediate the site to as nearly its pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or by otherwise complying with all applicable local, state and federal restoration and remediation requirements including but not limited to all revegetation requirements contained in an existing Conditional Use Permit or Special Use Permit authorizing the land use (collectively, "Restoration").

b. Within 90 days after Termination of Use, operator or property owner shall submit to the Planning Division a Restoration plan prepared by a qualified third-party professional at operator's sole expense detailing the components and timing of Restoration. The Planning Director, in consultation with the California Geologic Energy Management Division, shall review and approve the Restoration plan if it is compliant with this Section 8107-5.6.11. Restoration shall be diligently pursued and completed within one year after the plugging and abandoning of the last oil well in the subject permit area, unless the Planning Director, in consultation with the California Geologic Energy Management Division, approves a different deadline for Restoration.

Section 4

Section 8107-5.6.12 of the Ventura County Ordinance Code is hereby amended to read as follows:

Sec. 8107-5.6.12 – Insurance

a. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such a person is defined as an "operator" for purposes of this Section 8107-5.6.12.

b. Each operator shall maintain the following insurance coverages with no gap in coverage, pursuant to the following terms and conditions, until full restoration of the operator's oil and gas exploration and production site(s) in unincorporated Ventura County in compliance with this Article is confirmed by the Planning Director or designee:

1. General Liability for Oil & Gas Businesses: General Liability, with at least $2,000,000 each occurrence and $4,000,000 general aggregate.

2. Environmental Impairment: Pollution Liability Policy with coverage not less than $10,000,000. Coverage shall apply to sudden and gradual pollution conditions resulting from: the escape or release of smoke, vapors, fumes, acids, alkalis, toxic chemicals, liquids, or gases, natural gas, waste materials, or other irritants, contaminants, or pollutants (including asbestos) written on an occurrence basis. If the coverage is written on a claims-made basis rather than occurrence basis, any retroactive date applicable to coverage under the policy shall be no later than the policy inception date, and continuous coverage shall be maintained or an extended discovery period must exist for a period of at least three (3) years beginning from the date that full restoration of all of the operator's oil and gas exploration and production sites in unincorporated Ventura County in compliance with this Article is confirmed by the County. If the operator is responsible for the transport of any hazardous waste this Pollution Liability Policy must cover said transport activity, or operator may add Insurance Services Office (ISO) endorsement CA 9948 and MCS-90 to a Business Automobile Policy.

3. Control of Well (initial drill or well modification) coverage of a minimum of $10,000,000 per occurrence to cover cost of controlling a well that is out of control, drilling or restoration expenses, and seepage and pollution damage.

4. Excess (or umbrella) Liability Insurance: Minimum limit of $25,000,000 providing excess coverage for each of the perils insured by the preceding insurance policies.

5. The County of Ventura, its boards, agencies, departments, officers, employees, agents, and volunteers shall be named as additional insureds ("Additional Insureds") as respect to all work done, activities undertaken, and operations conducted by the operator on all required insurance policies. All required insurance shall be primary coverage with respect to Additional Insureds, and any insurance or self-insurance maintained by Additional Insureds shall be excess of operator's insurance coverage and not contribute to it.

6. Operator shall immediately inform the Planning Division if any aggregate insurance limit is exceeded in which case the operator must obtain additional coverage to meet the requirements of this Section 8107-5.6.12.

7. Policies shall not be canceled, non-renewed or reduced in scope of coverage until after 60 days written notice has been provided to the Planning Division. Operator shall provide the Planning Division with certificates of insurance and Additional Insured endorsements demonstrating proof of any new policy with verification that it will be effective on or before the end of the existing policy.

8. Operator shall require adequate insurance of its contractors and subcontractors.

c. Operators with existing oil and gas wells or production facilities in unincorporated Ventura County shall provide the Planning Division with certificates of insurance and Additional Insured endorsements demonstrating proof of all insurance required by this Section 8107-5.6.12 by [**90 days from effective date of ordinance**]. New and renewed Conditional Use Permits shall include a condition of approval requiring the provision of said proof of insurance prior to the use inauguration of the new or renewed permit.

Section 5

If any section, subsection, sentence, clause, phrase or word of this ordinance is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The Ventura County Board of Supervisors hereby declares that it would have passed and adopted this ordinance, and each and all provisions hereof, irrespective of the fact that one or more provisions may be declared invalid.

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Section 6

This ordinance shall become effective and operative 30 days after adoption.

PASSED AND ADOPTED this __ day of _____, 2022, by the following vote:

AYES: _____

NOES: _____

ABSENT: _____

_____
CHAIR, BOARD OF SUPERVISORS

ATTEST:
Sevet Johnson, PsyD
Interim Clerk of the Board of Supervisors,
County of Ventura, State of California

By _____
Deputy Clerk of the Board

Exhibit 3b

Non-Coastal Zoning Ordinance Amendments in Legislative Format Showing Proposed Changes to Existing Sections

Sec. 8107-5.4 – Required Permits; Application Processing

a. No oil or gas exploration or production related use may commence without or be inconsistent with a Conditional Use Permit approved pursuant to this Chapter. Furthermore, a Zoning Clearance must be obtained by the permittee to confirm consistency with the Zoning Ordinance and/or Conditional Use Permit prior to drilling every well, commencing site preparation for such well(s), or installing related appurtenances, as defined by the Planning Director. However, a single Zoning Clearance may be issued for more than one well or drill site or structure. Possession of an approved Conditional Use Permit shall not relieve the operator of the responsibility of securing and complying with any other permit which may be required by other County Ordinances, or State or Federal laws. No condition of a Conditional Use Permit for uses allowed by this Chapter shall be interpreted as permitting or requiring any violation of law, or any lawful rules or regulations or orders of an authorized governmental agency. When more than one set of rules apply, the stricter one shall take precedence.

b. New Conditional Use Permits and permit modifications that include, but are not necessarily limited to, permit renewals or time extensions that authorize oil and gas exploration and production shall not be approved with a term that exceeds 15 years, although subsequent terms not to exceed 15 years may be sought pursuant to Renewal Applications in accordance with Section 8107-5.4(c) below. Post-closure activities such as any required site restoration may occur after a Conditional Use Permit's term expires.

c. This Section 8107-5.4(c), rather than Section 8111-2.10 (Continuance of Permit During Application Renewal) of this Article, shall apply to discretionary permit modification applications that include, but are not necessarily limited to, a request to renew the term of an existing Conditional Use Permit that authorizes oil and gas exploration and production (hereinafter, "Renewal Application"). In order for an existing Conditional Use Permit that is the subject of a Renewal Application to remain in effect while said application is processed and acted upon by the County, the following application materials must be submitted to the Planning Division no later than 12 months before the expiration date of the existing Conditional Use Permit:

1. A completed County discretionary permit application form;

2. An executed County Reimbursement Agreement regarding the recovery of County costs to process the application;

3. An initial fee deposit for the processing of the application in accordance with the Planning Division Fee Schedule;

4. A site plan of the entirety of the area subject to the existing Conditional Use Permit that depicts the location and nature of all existing and proposed oil and gas facilities;

5. A list of all existing oil and gas wells located within the existing Conditional Use Permit area by American Petroleum Institute (API) number;

6. A written project description; and

7. Any other generally applicable application materials that are required in writing by the Planning Division.

In order for the existing Conditional Use Permit to remain in effect pursuant to this Section 8107-5.4(c) while a Renewal Application is processed and acted upon by the County, the applicant must also diligently pursue the application to final decision, including, but not limited to, by timely responding to all County requests for information that are required to process and act upon the application.

Sec. 8107-5.6.5 – ~~Securities~~ Sureties for Oil and Gas Exploration and Production

~~Prior to the commencement or continuance of drilling or other uses on an existing permit, the permittee shall file, in a form acceptable to the County Counsel and certified by the County Clerk, a bond or other security in the penal amount of not less than $10,000.00 for each well that is drilled or to be drilled. Any operator may, in lieu of filing such a security for each well drilled, redrilled, produced or maintained, file a security in the penal amount of not less than $10,000.00 to cover all operations conducted in the County of Ventura, a political subdivision of the State of California,~~

a. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such *person* is defined as an "operator" for purposes of this Section 8107-5.6.5.

b. Each operator shall file, in a form acceptable to County, surety bonds or cash equivalents as described below. Each surety shall list the County of Ventura as the obligee. Operators shall maintain the minimum amount of each surety with no gap

in coverage until the operator has fulfilled and performed the obligation secured by each respective surety. County sureties required by this Section 8107-5.6.5 are additional to any sureties required by state and federal agencies for oil and gas operations.

c. For purposes of this Section 8107-5.6.5, the term "well" shall have the same meaning as broadly defined by Public Resources Code section 3008, subdivision (a), and shall include the specific types of wells defined in Public Resources Code section 3008, subdivisions (b) through (e), as may be amended.

d. Surety bonds shall be issued by an entity listed in the latest version of U.S. Department of Treasury Circular 570 that is authorized to issue bonds in California, and that has a bonding limitation shown in said circular sufficient to provide bonds in the amount required by this Section 8107-5.6.5.

e. A cash equivalent surety may consist of a letter of credit, cashier's check, or certificate of deposit. It must be prepared and issued by a federally insured commercial bank with an office in California in a form approved by County Counsel, payable to the County of Ventura, in an amount equal to the required surety or the sum of the amounts of the required surety.

f. Each surety shall be conditioned upon the operator fulfilling and performing the obligation secured by the respective surety. In particular, the Surface Restoration Surety as described below shall be conditioned on the operator's Restoration (defined below) of its oil and gas exploration and production sites in unincorporated Ventura County as determined and confirmed by the Planning Director or designee. The Well Abandonment Surety and Long-Term Idle Well Abandonment Supplement Surety as described below shall be conditioned on the operator's proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. In case of any failure by the operator to perform its obligations under a surety, the Planning Director shall declare all or part of the surety forfeited in accordance with its provisions. The surety company and principal shall be jointly and severally obligated to pay forthwith the full amount of the forfeiture to the County of Ventura. The forfeiture of any surety shall not insulate the operator and/or property owner from liability in excess of the sum of the surety for damages or injury, or expense or liability suffered by the County of Ventura or other parties, from any breach by operator and/or property owner of any term or condition of a County permit or violation of any applicable law or governmental regulation. Each surety shall be promptly released and exonerated by County after all applicable obligations have been performed and satisfied.

g. Surety Amounts

(1) Surface Restoration Surety. A Surface Restoration Surety is required to guarantee the operator's restoration and remediation of its oil and gas production and exploration sites in unincorporated Ventura County to as

nearly their pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the above ground oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or otherwise complying with all applicable local, state and federal restoration and remediation requirements including but not limited to all revegetation requirements contained in an existing Conditional Use Permit or Special Use Permit authorizing the land use (collectively, "Restoration"). All Surface Restoration Surety amounts forfeited to the County shall be held in trust and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding Restoration of the operator's site(s). The default amount of the Surface Restoration Surety shall be based on the total number of operator's wells, exclusive of properly abandoned wells, within unincorporated Ventura County as follows:

1-5 wells - $100,000

6-10 wells - $185,000

11-20 wells - $300,000

21- 50 wells – $500,000

51 – 100 wells - $1,000,000

101 - 200 wells - $3,000,000

201 - 400 wells - $5,000,000

≥401 wells - $10,000,000

In lieu of providing a surety in the above-stated default amount (hereinafter, "Default Amount"), the amount of the surety may reflect the estimated cost of Restoration of the operator's oil and gas exploration and production sites in unincorporated Ventura County as based on a restoration plan and cost estimate prepared by qualified third-party professionals at operator's sole expense ("Cost Estimate Amount"). For the surety amount to be initially established at the Cost Estimate Amount, the cost estimate and restoration plan must be submitted to, and approved as to accuracy by, the Planning Division prior to the date the Surface Restoration Surety is initially due. Otherwise, the initial surety amount shall be the Default Amount which may thereafter be adjusted upon the Planning Division's approval as to accuracy of an operator-submitted cost estimate and restoration plan.

(2) Well Abandonment Surety. A Well Abandonment Surety is required to guarantee the proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the surety shall be $36,000 for each of operator's wells, exclusive of properly abandoned wells, not to exceed $5,000,000 for any one operator for its wells located in unincorporated Ventura County. All Well Abandonment Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

(3) Long-Term Idle Well Abandonment Supplement Surety. A Long-Term Idle Well Supplement Surety is required, in addition to the Well Abandonment Surety, to further guarantee that long-term idle wells are properly plugged and abandoned in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the supplement surety shall be $15,000 for each of operator's long-term idle wells that has been idle for 15 years or more, not to exceed $5,000,000 for any one operator for its 15-year-plus idle wells located in unincorporated Ventura County. This supplement surety amount may be added to, and jointly filed with the County with, the required Well Abandonment Surety in cases where the sureties are covering the same wells. All Long-Term Idle Well Abandonment Supplement Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

h. Calculating, Filing and Maintaining Sureties

(1) New and renewed Conditional Use Permits shall include a condition of approval requiring the filing of all sureties required by this Section 8107-5.6.5 prior to use inauguration of the new or renewed permit.

(2) Each operator with existing wells within unincorporated Ventura County shall submit a complete inventory of its wells (including but not limited to

active, idle, plugged and abandoned) for review by the Planning Division by XXXXXX [60 days after the effective date of the ordinance].

(3) The Planning Director or designee shall verify the required surety amounts based upon review of information provided by the operator, the California Geologic Energy Management Division or its successor agency, and County permit records, and notify the operator in writing. Operators with existing wells in unincorporated Ventura County shall provide the Planning Division all sureties required pursuant to this Section 8107-5.6.5 within 180 days from the date of this notification.

(4) Between January 1 and January 31st of each calendar year commencing the year immediately after operators submit their initial sureties pursuant to this Section 8107-5.6.5, each operator shall submit an annual inventory of its active, idle, plugged and abandoned, and other wells to the Planning Division, along with verification that the annual premiums for all required sureties have been paid. This shall be referred to as the "Annual Surety Review". During the Annual Surety Review, or at any other time, an operator may request a surety adjustment in the event the amount of a required surety has changed in accordance with the applicable provisions of this Section 8107-5.6.5.

(5) At each five-year interval after the initial Annual Surety Review, each surety amount shall be inflation indexed (i.e., increased or decreased to account for inflation over the preceding five-year period) based on the U.S. Department of Labor, Bureau of Labor Statistics, Consumer Price Index for Los Angeles-Long Beach-Anaheim. Approximately 30 days prior to the Annual Surety Review process conducted on each such fifth year, the Planning Division shall notify each operator of the adjusted surety amounts, as inflation indexed. Operators shall thereafter submit replacement sureties to the Planning Division based on the applicable new amounts during the Annual Surety Review for that year.

Sec. 8107-5.6.11 – Site Restoration

~~Within 90 days of revocation, expiration or surrender of any permit, or abandonment of the use, the permittee shall restore and revegetate the premises to as nearly its original condition as is practicable, unless otherwise requested by the landowner.~~

a. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following restoration and remediation requirements shall apply to all existing and new oil and gas exploration and production sites and operations in unincorporated Ventura

County. On expiration, revocation, relinquishment or abandonment of a Conditional Use Permit or Special Use Permit (collectively, "permit") authorizing the subject oil and gas production exploration and production land use ("Termination of Use"), the operator or property owner must restore and remediate the site to as nearly its pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or by otherwise complying with all applicable local, state and federal restoration and remediation requirements including but not limited to all revegetation requirements contained in an existing Conditional Use Permit or Special Use Permit authorizing the land use (collectively, "Restoration").

b. Within 90 days after Termination of Use, operator or property owner shall submit to the Planning Division a Restoration plan prepared by a qualified third-party professional at operator's sole expense detailing the components and timing of Restoration. The Planning Director, in consultation with the California Geologic Energy Management Division, shall review and approve the Restoration plan if it is compliant with this Section 8107-5.6.11. Restoration shall be diligently pursued and completed within one year after the plugging and abandoning of the last oil well in the subject permit area, unless the Planning Director, in consultation with the California Geologic Energy Management Division, approves a different deadline for Restoration.

Sec. 8107-5.6.12 – Insurance

~~The permittee shall maintain, for the life of the permit, liability insurance of not less than $500,000 for one person and $1,000,000 for all persons and $2,000,000 for property damage. This requirement does not preclude the permittee from being self-insured.~~

a. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such a person is defined as an "operator" for purposes of this Section 8107-5.6.12.

b. Each operator shall maintain the following insurance coverages with no gap in coverage, pursuant to the following terms and conditions, until full restoration of the operator's oil and gas exploration and production site(s) in unincorporated Ventura County in compliance with this Article is confirmed by the Planning Director or designee:

1. General Liability for Oil & Gas Businesses: General Liability, with at least $2,000,000 each occurrence and $4,000,000 general aggregate.

2. Environmental Impairment: Pollution Liability Policy with coverage not less than $10,000,000. Coverage shall apply to sudden and gradual pollution conditions resulting from: the escape or release of smoke, vapors, fumes, acids, alkalis, toxic chemicals, liquids, or gases, natural gas, waste materials, or other irritants, contaminants, or pollutants (including asbestos) written on an occurrence basis. If the coverage is written on a claims-made basis rather than occurrence basis, any retroactive date applicable to coverage under the policy shall be no later than the policy inception date, and continuous coverage shall be maintained or an extended discovery period must exist for a period of at least three (3) years beginning from the date that full restoration of all of the operator's oil and gas exploration and production sites in unincorporated Ventura County in compliance with this Article is confirmed by the County. If the operator is responsible for the transport of any hazardous waste this Pollution Liability Policy must cover said transport activity, or operator may add Insurance Services Office (ISO) endorsement CA 9948 and MCS-90 to a Business Automobile Policy.

3. Control of Well (initial drill or well modification) coverage of a minimum of $10,000,000 per occurrence to cover cost of controlling a well that is out of control, drilling or restoration expenses, and seepage and pollution damage.

4. Excess (or umbrella) Liability Insurance: Minimum limit of $25,000,000 providing excess coverage for each of the perils insured by the preceding insurance policies.

5. The County of Ventura, its boards, agencies, departments, officers, employees, agents, and volunteers shall be named as additional insureds ("Additional Insureds") as respect to all work done, activities undertaken, and operations conducted by the operator on all required insurance policies. All required insurance shall be primary coverage with respect to Additional Insureds, and any insurance or self-insurance maintained by Additional Insureds shall be excess of operator's insurance coverage and not contribute to it.

6. Operator shall immediately inform the Planning Division if any aggregate insurance limit is exceeded in which case the operator must obtain additional coverage to meet the requirements of this Section 8107-5.6.12.

7. Policies shall not be canceled, non-renewed or reduced in scope of coverage until after 60 days written notice has been provided to the Planning Division. Operator shall provide the Planning Division with certificates of insurance and

Additional Insured endorsements demonstrating proof of any new policy with verification that it will be effective on or before the end of the existing policy.

8. Operator shall require adequate insurance of its contractors and subcontractors.

c. Operators with existing oil and gas wells or production facilities in unincorporated Ventura County shall provide the Planning Division with certificates of insurance and Additional Insured endorsements demonstrating proof of all insurance required by this Section 8107-5.6.12 by XXXX [90 days from effective date of ordinance]. New and renewed Conditional Use Permits shall include a condition of approval requiring the provision of said proof of insurance prior to the use inauguration of the new or renewed permit.

ORDINANCE NO. _____

AN ORDINANCE OF THE COUNTY OF VENTURA, STATE OF CALIFORNIA, AMENDING DIVISION 8, CHAPTER 1.1, SECTIONS 8175-5.7.5 AND 8175-5.7.8 OF THE VENTURA COUNTY ORDINANCE CODE, COASTAL ZONING ORDINANCE, PERTAINING TO OIL AND GAS EXPLORATION AND PRODUCTION PERMIT TERMS, SURETIES AND INSURANCE

The Board of Supervisors of the County of Ventura ordains as follows:

Section 1

Section 8175-5.7.5 of the Ventura County Ordinance Code is hereby amended to read as follows:

Sec. 8175-5.7.5 - Required Permits; Application Processing

a. No *oil or gas exploration or production* related *use* may commence without or inconsistent with a Conditional Use Permit approved pursuant to this Chapter. Furthermore, a *Zoning Clearance* must be obtained by the permittee to confirm consistency with the Coastal Zoning Ordinance and/or Conditional Use Permit prior to drilling every well, commencing site preparation for such well(s), and/or expansion of existing facilities, including redrilling of existing wells or changing from a producing well to a water injection well, or installing related appurtenances as defined by the *Planning Director*, or prior to abandonment. However, a single *Zoning Clearance* may be issued for more than one well or drill site or *structure*. Possession of an approved Conditional Use Permit shall not relieve the operator of the responsibility of securing and complying with any other permit that may be required by other County Ordinances, or State or Federal laws. No condition of a Conditional Use Permit for *uses* allowed by this Chapter shall be interpreted as permitting or requiring any violation of law, or any lawful rules, or regulations or orders of an authorized governmental agency. When more than one set of rules apply, the stricter one shall take precedence.

b. New Conditional Use Permits and permit modifications that include, but are not necessarily limited to, permit renewals or time extensions that authorize oil and gas exploration and production shall not be approved with a term that exceeds 15 years, although subsequent terms not to exceed 15 years may be sought pursuant to Renewal Applications in accordance with Section 8175-5.7.5(c) below. Post-closure activities such as any required site restoration may occur after a Conditional Use Permit's term expires.

c. This Section 8175-5.7.5(c), rather than Section 8181-5.6 (Continuance of Permit During Renewal Process) of this Article, shall apply to discretionary

permit modification applications that include, but are not necessarily limited to, a request to renew the term of an existing Conditional Use Permit that authorizes oil and gas exploration and production (hereinafter, "Renewal Application"). In order for an existing Conditional Use Permit that is the subject of a Renewal Application to remain in effect while said application is processed and acted upon by the County, the following application materials must be submitted to the Planning Division no later than 12 months before the expiration date of the existing Conditional Use Permit:

1. A completed County discretionary permit application form;

2. An executed County Reimbursement Agreement regarding the recovery of County costs to process the application;

3. An initial fee deposit for the processing of the application in accordance with the Planning Division Fee Schedule;

4. A site plan of the entirety of the area subject to the existing Conditional Use Permit that depicts the location and nature of all existing and proposed oil and gas facilities;

5. A list of all existing oil and gas wells located within the existing Conditional Use Permit area by American Petroleum Institute (API) number;

6. A written project description; and

7. Any other generally applicable application materials that are required in writing by the Planning Division.

In order for the existing Conditional Use Permit to remain in effect pursuant to this Section 8175-5.7.5(c) while a Renewal Application is processed and acted upon by the County, the applicant must also diligently pursue the application to final decision, including, but not limited to, by timely responding to all County requests for information that are required to process and act upon the application.

Section 2

Section 8175-5.7.8 of the Ventura County Ordinance Code is hereby amended to read as follows:

Sec. 8175-5.7.8 – Oil Development and Operational Standards

The following are minimum standards and requirements, which shall be applied pursuant to Sec. 8175-5.7.2. More restrictive requirements may be imposed on a project through the conditions of the permit.

a. *Setbacks* – Wells shall be located a minimum of 800 feet from an occupied sensitive *use*. Private *access* roads to drill sites shall be located a minimum of 300 feet from occupied sensitive *uses*, unless a waiver is signed pursuant to Sec. 8175-5.7.8(w). In addition, no well shall be drilled and no equipment or facilities shall be permanently located within:

   1. 100 feet of any dedicated *public street*, highway or nearest rail of a railway being used as such, unless the new well is located on an existing drill site and the new well would not present a safety or right-of-way problem. If aesthetics is a problem, then the permit must be conditioned to mitigate the problem.

   2. 500 feet of any *building* or *dwelling* not necessary to the operation of the well, unless a waiver is signed pursuant to Sec. 8175-5.7.8(w), allowing the *setback* to be reduced. In no case shall the well be located less than 100 feet from said *structures*.

   3. 800 feet of any institution, school or other *building* used as a place of public assemblage, unless a waiver is signed pursuant to Sec. 8175- 5.7.8(w), allowing the *setback* to be reduced. In no case shall the well be located less than 300 feet from said *structures*.

   4. 300 feet from the edge of the existing banks of "Red Line" channels as established by the Ventura County Watershed Protection District (VCWPD) and 100 feet from the existing banks of all other channels appearing on the most current United States Geological Service (USGS) 2,000' scale topographic map as a blue line. These *setbacks* shall prevail unless the permittee can demonstrate to the satisfaction of the Public Works Agency that the subject *use* can be safely located nearer the *stream* or channel in question without posing an undue risk of water pollution, damage to wildlife and *habitat*, or impairment of flood control interests. In no case shall *setbacks* from *streams* or channels be less than 50 feet. All drill sites located within the 100-year flood plain shall be protected from flooding in accordance with VCWPD requirements.

   5. The applicable *setbacks* for *accessory structures* for the zone in which the *use* is located.

6. 100 feet from any marsh, small wash, intermittent lake, intermittent *stream*, spring or perennial *stream* appearing on the most current USGS 2,000' scale topographic map, unless a *qualified biologist*, approved by the County, determines that there are no significant biological resources present or that this standard *setback* should be adjusted.

b. Obstruction of Drainage Courses – Drill sites and *access* roads shall not obstruct natural drainage courses. Diverting or channeling such drainage courses may be permitted only with the authorization of the Public Works Agency.

c. Removal of Equipment – All equipment used for drilling, redrilling, and maintenance work on approved wells shall be removed from the site within 30 days of the completion of such work unless a time extension is approved by the *Planning Director*.

d. Waste Handling and Containment of Contaminants – Oil, produced water, drilling fluids, cuttings, and other contaminants associated with the drilling, production, storage, and transport of oil shall be contained on the site unless properly transported off-site or injected into a well, treated or re- used in an approved manner on-site or, if allowed, off-site. Appropriate permits, permit modifications or approvals must be secured when necessary, prior to treatment or re-use of oil field waste materials. The permittee shall furnish the *Planning Director* with a plan for controlling oil spillage and preventing saline or other polluting or contaminating substances from reaching surface or subsurface waters. The plan shall be consistent with the requirements of the County, State and Federal Government.

e. Sureties. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such *person* is defined as an “operator” for purposes of this Section 8175-5.7.8(e).

1. Each operator shall file, in a form acceptable to County, surety bonds or cash equivalents as described below. Each surety shall list the County of Ventura as the obligee. Operators shall maintain the minimum amount of each surety with no gap in coverage until the operator has fulfilled and performed the obligation secured by each respective surety. County sureties required by this Section are additional to any sureties required by state and federal agencies for oil and gas operations.

2. For purposes of this Section 8175-5.7.8(e), the term "well" shall have the same meaning as broadly defined by Public Resources Code section 3008, subdivision (a), and shall include the specific types of wells defined in Public Resources Code section 3008, subdivisions (b) through (e), as may be amended.

3. Surety bonds shall be issued by an entity listed in the latest version of U.S. Department of Treasury Circular 570 that is authorized to issue bonds in California, and that has a bonding limitation shown in said circular sufficient to provide bonds in the amount required by this Section 8175-5.7.8(e).

4. A cash equivalent surety may consist of a letter of credit, cashier's check, or certificate of deposit. It must be prepared and issued by a federally insured commercial bank with an office in California in a form approved by County Counsel, payable to the County of Ventura, in an amount equal to the required surety or the sum of the amounts of the required surety.

5. Each surety shall be conditioned upon the operator fulfilling and performing the obligation secured by the respective surety. In particular, the Surface Restoration Surety as described below shall be conditioned on the operator's Restoration (defined below) of its oil and gas exploration and production sites in unincorporated Ventura County as determined and confirmed by the Planning Director or designee. The Well Abandonment Surety and Long-Term Idle Well Abandonment Supplement Surety as described below shall be conditioned on the operator's proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. In case of any failure by the operator to perform its obligations under a surety, the Planning Director shall declare all or part of the surety forfeited in accordance with its provisions. The surety company and principal shall be jointly and severally obligated to pay forthwith the full amount of the forfeiture to the County of Ventura. The forfeiture of any surety shall not insulate the operator and/or property owner from liability in excess of the sum of the surety for damages or injury, or expense or liability suffered by the County of Ventura or other parties, from any breach by operator and/or property owner of any term or condition of a County permit or violation of any applicable law or governmental regulation. Each surety shall be promptly released and exonerated by County after all applicable obligations have been performed and satisfied.

6. Surety Amounts

   (a) Surface Restoration Surety. A Surface Restoration Surety is required to guarantee the operator's restoration and remediation of its oil and

gas production and exploration sites in unincorporated Ventura County to as nearly their pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the above ground oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or otherwise complying with all applicable local, state and federal restoration and remediation requirements including but not limited to all revegetation requirements contained in an existing Conditional Use Permit or Special Use Permit authorizing the land use (collectively, "Restoration"). All Surface Restoration Surety amounts forfeited to the County shall be held in trust and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding Restoration of the operator's site(s). The default amount of the Surface Restoration Surety shall be based on the total number of operator's wells, exclusive of properly abandoned wells, within unincorporated Ventura County as follows:

1-5 wells - $100,000

6-10 wells - $185,000

11-20 wells - $300,000

21- 50 wells – $500,000

51 – 100 wells - $1,000,000

101 - 200 wells - $3,000,000

201 - 400 wells - $5,000,000

≥401 wells - $10,000,000

In lieu of providing a surety in the above-stated default amount (hereinafter, "Default Amount"), the amount of the surety may reflect the estimated cost of Restoration of the operator's oil and gas exploration and production sites in unincorporated Ventura County as based on a restoration plan and cost estimate prepared by qualified third-party professionals at operator's sole expense ("Cost Estimate Amount"). For the surety amount to be initially established at the Cost Estimate Amount, the cost estimate and restoration plan must be submitted to, and approved as to accuracy by, the Planning Division prior to the date the Surface Restoration Surety is initially due.

Otherwise, the initial surety amount shall be the Default Amount which may thereafter be adjusted upon the Planning Division's approval as to accuracy of an operator-submitted cost estimate and restoration plan.

(b) Well Abandonment Surety. A Well Abandonment Surety is required to guarantee the proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the surety shall be $36,000 for each of operator's wells, exclusive of properly abandoned wells, not to exceed $5,000,000 for any one operator for its wells located in unincorporated Ventura County. All Well Abandonment Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

(c) Long-Term Idle Well Abandonment Supplement Surety. A Long-Term Idle Well Supplement Surety is required, in addition to the Well Abandonment Surety, to further guarantee that long-term idle wells in unincorporated Ventura County are properly plugged and abandoned in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the supplement surety shall be $15,000 for each of operator's long-term idle wells that has been idle for 15 years or more, not to exceed $5,000,000 for any one operator for its 15-year-plus idle wells located in unincorporated Ventura County. This supplement surety amount may be added to, and jointly filed with the County with, the required Well Abandonment Surety in cases where the sureties are covering the same wells. All Long-Term Idle Well Abandonment Supplement Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

7. Calculating, Filing and Maintaining Sureties

(a) New and renewed Conditional Use Permits shall include a condition of approval requiring the filing of all sureties required by this Section 8175-5.7.8(e) prior to use inauguration of the new or renewed permit.

(b) Each operator with existing wells in unincorporated Ventura County shall submit a complete inventory of its wells (including but not limited to active, idle, plugged and abandoned) for review by the Planning Division by [**60 days after the effective date of the ordinance**].

(c) The Planning Director or designee shall verify the required surety amounts based upon review of information provided by the operator, the California Geologic Energy Management Division or its successor agency, and County permit records, and notify the operator in writing. Operators with existing wells in unincorporated Ventura County shall provide the Planning Division all sureties required pursuant to this Section 8175-5.7.8(e) within 180 days from the date of this notification.

(d) Between January 1 and January 31st of each calendar year commencing the year immediately after operators submit their initial sureties pursuant to this Section 8175-5.7.8(e), each operator shall submit an annual inventory of its active, idle, plugged and abandoned, and other wells to the Planning Division, along with verification that the annual premiums for all required sureties have been paid. This shall be referred to as the "Annual Surety Review". During the Annual Surety Review, or at any other time, an operator may request a surety adjustment in the event the amount of a required surety has changed in accordance with the applicable provisions of this Section 8175-5.7.8(e).

(e) At each five-year interval after the initial Annual Surety Review, each surety amount shall be inflation indexed (i.e., increased or decreased to account for inflation over the preceding five-year period) based on the U.S. Department of Labor, Bureau of Labor Statistics, Consumer Price Index for Los Angeles-Long Beach-Anaheim. Approximately 30 days prior to the Annual Surety Review conducted on each such fifth year, the Planning Division shall notify each operator of the adjusted surety amounts, as inflation indexed. Operators shall thereafter submit replacement sureties to the Planning Division based on the applicable new amounts during the Annual Surety Review for that year.

f. Dust Prevention and Road Maintenance – The drill site and all roads or hauling routes located between the public right-of-way and the subject site shall be improved or otherwise treated as required by the County and maintained as

necessary to prevent the emanation of dust. *Access* roads shall be designed and maintained so as to minimize *erosion*, prevent the deterioration of vegetation and crops, and ensure adequate levels of safety. The permittee shall treat unpaved *access* roads by either oiling and chipping, or *use* of an APCD-approved chemical dust palliative (such as Dust-Off - $MgCl_2$) or *use* of other APCD-approved mechanisms.

g. Light Emanation – Light emanation shall be controlled so as not to produce excessive levels of glare or abnormal light levels directed at any neighboring *uses*. Lighting shall be kept to a minimum to maintain normal nighttime light levels in the area, but not inhibit adequate and safe working light levels. The location of all flood lights and an outline of the illuminated area shall be shown on the *landscape plan*, if required, or on the requisite plot plan.

h. Reporting of Accidents – The permittee shall immediately notify the *Planning Director*, the Fire Department and all other applicable agencies in the event of fires, spills, or hazardous conditions not incidental to the normal operations at the permit site. Upon request of any County Agency, the permittee shall provide a written report of any incident within seven calendar days that shall include, but not be limited to, a description of the facts of the incident, the corrective measures used and the steps taken to prevent recurrence of the incident.

i. Painting – Drill sites and production facilities shall be located so that they are not readily seen. All permanent facilities, *structures*, and aboveground pipelines on the site shall be colored so as to mask the facilities from the surrounding environment and *uses* in the area. Said colors shall also take into account such additional factors as heat buildup and designation of danger areas. Said colors shall be approved by the *Planning Director* prior to the painting of facilities.

j. Site Maintenance – The permit area shall be maintained in a neat and orderly manner so as not to create any hazardous or unsightly conditions such as debris, pools of oil, water, or other liquids, weeds, brush, and trash. Equipment and materials used for the operation and maintenance of the oil well located at the site may be stored on site. If the well has been suspended, idled or shut-in for 30 days, as determined by the California Geologic Energy Management Division, all such equipment and materials shall be removed within 90 days.

k. Site Restoration.

1. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following restoration and remediation requirements shall apply to all existing and new oil and gas exploration and production sites and operations in the coastal

zone of unincorporated Ventura County. On expiration, revocation, relinquishment or abandonment of a Conditional Use Permit or Special Use Permit (collectively, "permit") authorizing the subject oil and gas production exploration and production land use ("Termination of Use"), the operator or property owner must restore and remediate the site to as nearly its pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or by otherwise complying with all applicable local, state and federal restoration and remediation requirements including but not limited to all revegetation requirements contained in an existing Conditional Use Permit or Special Use Permit authorizing the land use (collectively, "Restoration").

2. Within 90 days after Termination of Use, operator or property owner shall submit to the Planning Division a Restoration plan prepared by a qualified third-party professional at operator's sole expense detailing the components and timing of Restoration. The Planning Director, in consultation with the California Geologic Energy Management Division, shall review and approve the Restoration plan if it is compliant with this Section 8175-5.7.8(k). Restoration shall be diligently pursued and completed within one year after the plugging and abandoning of the last oil well in the subject permit area, unless the Planning Director, in consultation with the California Geologic Energy Management Division, approves a different deadline for Restoration.

l. Insurance

1. Notwithstanding any provision or condition of this Chapter or any existing Conditional Use Permit or Special Use Permit to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such a person is defined as an "operator" for purposes of this Section 8175-5.7.8(l).

2. Each operator shall maintain the following insurance coverages with no gap in coverage, pursuant to the following terms and conditions, until full restoration of the operator's oil and gas exploration and production site(s) in unincorporated Ventura County in compliance with this Article is confirmed by the Planning Director or designee:

   (a) General Liability for Oil & Gas Businesses: General Liability, with at least $2,000,000 each occurrence and $4,000,000 general aggregate.

(b) Environmental Impairment: Pollution Liability Policy with coverage not less than $10,000,000. Coverage shall apply to sudden and gradual pollution conditions resulting from: the escape or release of smoke, vapors, fumes, acids, alkalis, toxic chemicals, liquids, or gases, natural gas, waste materials, or other irritants, contaminants, or pollutants (including asbestos) written on an occurrence basis. If the coverage is written on a claims-made basis rather than occurrence basis, any retroactive date applicable to coverage under the policy shall be no later than the policy inception date, and continuous coverage shall be maintained or an extended discovery period must exist for a period of at least three (3) years beginning from the date that full restoration of all of the operator's oil and gas exploration and production sites in unincorporated Ventura County in compliance with this Article is confirmed by the County. If the operator is responsible for the transport of any hazardous waste this Pollution Liability Policy must cover said transport activity, or operator may add Insurance Services Office (ISO) endorsement CA 9948 and MCS-90 to a Business Automobile Policy.

(c) Control of Well (initial drill or well modification) coverage of a minimum of $10,000,000 per occurrence to cover cost of controlling a well that is out of control, drilling or restoration expenses, and seepage and pollution damage.

(d) Excess (or umbrella) Liability Insurance: Minimum limit of $25,000,000 providing excess coverage for each of the perils insured by the preceding insurance policies.

3. The County of Ventura, its boards, agencies, departments, officers, employees, agents, and volunteers shall be named as additional insureds ("Additional Insureds") as respect to all work done, activities undertaken, and operations conducted by the operator on all required insurance policies. All required insurance shall be primary coverage with respect to Additional Insureds, and any insurance or self-insurance maintained by Additional Insureds shall be excess of operator's insurance coverage and not contribute to it.

4. Operator shall immediately inform the Planning Division if any aggregate insurance limit is exceeded in which case the operator must obtain additional coverage to meet the requirements of this Section 8175-5.7.8(l).

5. Policies shall not be canceled, non-renewed or reduced in scope of coverage until after 60 days written notice has been provided to the Planning Division. Operator shall provide the Planning Division with certificates of insurance and Additional Insured endorsements

demonstrating proof of any new policy with verification that it will be effective on or before the end of the existing policy.

6. Operator shall require adequate insurance of its contractors and subcontractors.

7. Operators with existing oil and gas wells or production facilities in unincorporated Ventura County shall provide the Planning Division with certificates of insurance and Additional Insured endorsements demonstrating proof of all insurance required by this 8175-5.7.8(l) by [**90 days from effective date of ordinance**]. New and renewed Conditional Use Permits shall include a condition of approval requiring the provision of said proof of insurance prior to the use inauguration of the new or renewed permit.

m. Noise Standard – Unless herein exempted, drilling, production, and maintenance operations associated with an approved oil permit shall not produce noise, measured at a point outside of occupied sensitive *uses* such as residences, schools, health care facilities, or places of public assembly, that exceeds the following standard or any other more restrictive standard that may be established as a condition of a specific permit. Noise from the subject project shall be considered in excess of the standard when the average sound level, measured over one hour, is greater than the standard that follows. The determination of whether a violation has occurred shall be made in accordance with the provisions of the permit in question.

Nomenclature and noise level descriptor definitions are in accordance with the Ventura County General Plan Goals, Policies and Programs and the Ventura County General Plan Hazards Appendix. Measurement procedures shall be in accordance with the Ventura County General Plan Goals, Policies and Programs, and General Plan Hazards Appendix.

The maximum allowable average sound level is as follows:

AVERAGE NOISE LEVELS (LEQ)

Time Period	Drilling and Maintenance Phase	Producing Phase
Day (6:00 a.m. to 7:00 p.m.)	55 dBA	45 dBA
Evening (7:00 p.m. to 10:00 p.m.)	50 dBA	40 dBA
Night (10:00 p.m. to 6:00 a.m.)	45 dBA	40 dBA

For purposes of this section, a well is in the "producing phase" when hydrocarbons are being extracted or when the well is idled and not undergoing maintenance. It is presumed that a well is in the "drilling and maintenance phase" when not in the "producing phase."

n. Exceptions to Noise Standards – The noise standards established pursuant to Sec. 8175-5.7.8(m) shall not be exceeded unless covered under any of the following provisions:

1. Where the ambient noise levels (excluding the subject facility) exceed the applicable noise standards. In such cases, the maximum allowable noise levels shall not exceed the ambient noise levels plus 3 dB(A).

2. Where the owners/occupants of sensitive *uses* have signed a waiver pursuant to Sec. 8175-5.7.8(w) indicating that they are aware that drilling and production operations could exceed the allowable noise standard and that they are willing to experience such noise levels. The applicable noise levels shall apply at all locations where the owners/occupants did not sign such a waiver.

o. Compliance with Noise Standard – When a permittee has been notified by the Planning Division that his operation is in violation of the applicable noise standard, the permittee shall correct the problem as soon as possible in coordination with the Planning Division. In the interim, operations may continue; however, the operator shall attempt to minimize the total noise generated at the site by limiting, whenever possible, such activities as the following:

1. hammering on pipe;

2. racking or making-up of pipe;

3. acceleration and deceleration of engines or motors;

4. drilling assembly rotational speeds that cause more noise than necessary and could reasonably be reduced by *use* of a slower rotational speed;

5. picking up or laying down drill pipe, casing, tubing or rods into or out of the drill hole.

If the noise problem has not been corrected by 7:00 p.m. of the following day, the offending operations, except for those deemed necessary for safety reasons by the *Planning Director* upon the advice of the California Geologic

Energy Management Division shall be suspended until the problem is corrected.

p. Preventive Noise Insulation – If drilling, redrilling, or maintenance operations, such as pulling pipe or pumps, are located within 1,600 feet of an occupied sensitive *use*, the work platform, engine base and draw works, crown block, power sources, pipe rack, and other probable noise sources associated with a drilling or maintenance operation shall be enclosed with soundproofing sufficient to ensure that expected noise levels do not exceed the noise limits applicable to the permit. Such soundproofing shall be installed prior to the commencement of drilling or maintenance activities, and shall include any or all of the following: acoustical blanket, coverings, soundwalls, or other soundproofing materials or methods that ensure that operations meet the applicable noise standard. The requirements may be waived by the Planning Commission if the permittee can demonstrate that the applicable noise standard can be met or that all applicable parties within the prescribed distance have signed a waiver pursuant to 8175-5.7.8(w).

q. Waiver of Preventative Noise Insulation – The applicant may have a noise study prepared by a qualified acoustical consultant, approved by the County. If the findings of the study conclude that the proposed project will meet the County Noise standards contained in Sec. 8175-5.7.8(m) and do not constitute a nuisance, then the soundproofing requirement may be waived. If the findings show a noise level will be generated above and beyond the County standards, then soundproofing must be installed sufficient to meet the applicable noise standard. Where a waiver pursuant to Sec. 8175- 5.7.8(w) is signed, no preventative noise insulation will be required.

r. Soundproofing Material – All acoustical blankets or panels used for required soundproofing shall be of fireproof materials and shall comply with California Industrial Safety Standards and shall be approved by the Ventura County Fire Protection District prior to installation.

s. Hours of Well Maintenance – All non-*emergency* maintenance of a well, such as the pulling of pipe and replacement of pumps, shall be limited to the hours of 7:00 a.m. to 7:00 p.m. of the same day if the well site is located within 3,000 feet of an occupied residence. This requirement may be waived by the *Planning Director* if the permittee can demonstrate that the applicable noise standards can be met or that all applicable parties within the prescribed distance have signed a waiver pursuant to Sec. 8175- 5.7.8(w).

t. Limited Drilling Hours – All drilling activities shall be limited to the hours of 7:00 a.m. through 7:00 p.m. of the same day when they occur less than 800 feet from an occupied sensitive *use*. Night time drilling shall be permitted if it can be demonstrated to the satisfaction of the *Planning Director* that the

applicable noise standard can be met or that all applicable parties within the prescribed distance have signed a waiver pursuant to Sec. 8175-5.7.8(w).

u. Signs – Signs shall comply with Sec. 8175-5.13 and the development standards per Sec. 8178-5.13.10.7 *Identification Signs*, Oil and Gas Development.

v. Fencing – All active well sites (except submersible pumps), sumps and/or drainage basins or any machinery in *use* or intended to be used at the well site or other associated facilities shall be securely fenced, if required, based on the *Planning Director's* determination that fencing is necessary due to the proximity of nearby businesses, residences, or other occupied sensitive *uses*. A single adequate *fence* that is compatible with surrounding area, may be used to enclose more than one oil well or well site and appurtenances. Location of *fences* shall be shown on a submitted plot plan and/or *landscape plan*, if required. *Fences* must meet all California Geologic Energy Management Division regulations.

w. Screening and Landscaping – All oil and gas production areas shall be landscaped so as to screen production equipment in a manner consistent with the natural character of the area, if required, based on the *Planning Director's* determination that landscaping is necessary. Required landscaping shall be implemented in accordance with a landscape and irrigation plan to be approved by the *Planning Director* or his/her designee after consultation with the property owner. The *landscape plan* shall be consistent with Sec. 8178-8, Water Efficient Landscaping Requirements, or Coastal Area Plan policies, whichever are more restrictive. This *landscape plan* shall include, but not be limited to, measures for adequate screening of producing wells and permanent equipment from view of *public roads* or *dwellings*, revegetation of all cut and *fill* banks, and the restoration of disturbed areas of the site not directly related to oil and gas production. Low water usage landscaping and *use* of native plants shall be encouraged.

1. Landscaping and Above Ground Pipelines. Consideration shall also be given to above ground pipelines that are part of the project. Landscape maintenance shall be subject to periodic inspection by the County, in accordance with Sec. 8178-8.9 Landscape Documentation Package Approval and Inspections. The permittee shall be required to remedy any defects in landscape maintenance within 30 days of notification by the County.

2. Landscaping and Well Drill Pads

    a. If wells are brought into production, the site shall be landscaped so as to screen production equipment from view from neighboring

residences in a manner consistent with the natural character of the area.

b. The landscaping associated with the wells shall also be intended to provide screening from glare that may result from on-site facilities (e.g., tanks, *buildings*, other).

c. The permittee shall not install production equipment until the *Planning Director* has approved the landscaping plan and a *Zoning Clearance* has been issued.

d. At the expense of the permittee, the County, or a County approved *landscape architect*, shall determine whether the visual impacts of the production facilities have been screened from view. The timing and schedule for subsequent review shall be determined prior to the issuance of a *Zoning Clearance* for the production facilities.

x. Waivers – Where provisions exist for the waiver of an ordinance requirement, the waiver must be signed by the owner and all adult occupants of a *dwelling*, or in the case of other sensitive *uses*, by the owner of the *use* in question. Once a waiver is granted, the permittee is exempt from affected ordinance requirements for the life of the waiver. Unless otherwise stated by the signatory, a waiver signed pursuant to Sec. 8175-5.7.8.n.(2) shall also be considered a waiver applicable to Secs. 8175-5.7.8.p. and 8175-5.7.8.s. and t.

y. Application of Sensitive *Use* Related Standards – The imposition of regulations on petroleum operations that are based on distances from occupied sensitive *uses* shall only apply to those occupied sensitive *uses* that were in existence at the time the permit for the subject oil operations was approved.

z. Inspection, Enforcement and Compatibility Review – To ensure that adequate funds are available for the legitimate and anticipated costs incurred for monitoring and enforcement activities associated with new or modified oil and gas related Conditional Use Permits, the permittee shall deposit with the County funds, determined on a case by case basis, prior to the issuance of a *Zoning Clearance*. The funds shall also cover the costs for any other necessary inspections or the resolution of confirmed violations that may occur. One deposit may be made to cover all of the permittee's various permits. In addition, all new or modified Conditional Use Permits for oil and gas related *uses* shall, at the discretion of the *Planning Director*, be conditioned to require a compatibility review on a periodic basis. The purpose of the review is to determine whether the permit, as conditioned, has remained consistent with its findings for approval and if there are grounds for proceeding

with public hearings concerning modification, suspension, or revocation of the permit.

Section 2
Severability

If any section, subsection, sentence, clause, phrase or word of the ordinance is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The Ventura County Board of Supervisors hereby declares that it would have passed and adopted this ordinance, and each and all provisions hereof, irrespective of the fact that one or more provisions may be declared invalid.

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Section 3

This ordinance shall become effective and operative upon certification by the California Coastal Commission.

PASSED AND ADOPTED this __ day of _____, 2022, by the following vote:

AYES: _____
NOES: _____
ABSENT: _____

_____
CHAIR, BOARD OF SUPERVISORS

ATTEST:
Sevet Johnson, PsyD
Interim Clerk of the Board of Supervisors,
County of Ventura, State of California

By _____
Deputy Clerk of the Board

Exhibit 4b
Coastal Zoning Ordinance Amendments in Legislative Format Showing Proposed Changes to Existing Sections

Sec. 8175-5.7.5 - Required Permits; Application Processing

a. No *oil or gas exploration or production* related *use* may commence without or inconsistent with a Conditional Use Permit approved pursuant to this Chapter. Furthermore, a *Zoning Clearance* must be obtained by the permittee to confirm consistency with the Coastal Zoning Ordinance and/or Conditional Use Permit prior to drilling every well, commencing site preparation for such well(s), and/or expansion of existing facilities, including redrilling of existing wells or changing from a producing well to a water injection well, or installing related appurtenances as defined by the *Planning Director*, or prior to abandonment. However, a single *Zoning Clearance* may be issued for more than one well or drill site or *structure*. Possession of an approved Conditional Use Permit shall not relieve the operator of the responsibility of securing and complying with any other permit that may be required by other County Ordinances, or State or Federal laws. No condition of a Conditional Use Permit for *uses* allowed by this Chapter shall be interpreted as permitting or requiring any violation of law, or any lawful rules, or regulations or orders of an authorized governmental agency. When more than one set of rules apply, the stricter one shall take precedence.

b. New Conditional Use Permits and permit modifications that include, but are not necessarily limited to, permit renewals or time extensions that authorize oil and gas exploration and production shall not be approved with a term that exceeds 15 years, although subsequent terms not to exceed 15 years may be sought pursuant to Renewal Applications in accordance with Section 8175-5.7.5(c) below. Post-closure activities such as any required site restoration may occur after a Conditional Use Permit's term expires.

c. This Section 8175-5.7.5(c), rather than Section 8181-5.6 (Continuance of Permit During Renewal Process) of this Article, shall apply to discretionary permit modification applications that include, but are not necessarily limited to, a request to renew the term of an existing Conditional Use Permit that authorizes oil and gas exploration and production (hereinafter, "Renewal Application"). In order for an existing Conditional Use Permit that is the subject of a Renewal Application to remain in effect while said application is processed and acted upon by the County, the following application materials must be submitted to the Planning Division no later than 12 months before the expiration date of the existing Conditional Use Permit:

1. A completed County discretionary permit application form;

2. An executed County Reimbursement Agreement regarding the recovery of County costs to process the application;

3. An initial fee deposit for the processing of the application in accordance with the Planning Division Fee Schedule;

4. A site plan of the entirety of the area subject to the existing Conditional Use Permit that depicts the location and nature of all existing and proposed oil and gas facilities;

5. A list of all existing oil and gas wells located within the existing Conditional Use Permit area by American Petroleum Institute (API) number;

6. A written project description; and

7. Any other generally applicable application materials that are required in writing by the Planning Division.

In order for the existing Conditional Use Permit to remain in effect pursuant to this Section 8175-5.7.5(c) while a Renewal Application is processed and acted upon by the County, the applicant must also diligently pursue the application to final decision, including, but not limited to, by timely responding to all County requests for information that are required to process and act upon the application.

Sec. 8175-5.7.8 – Oil Development and Operational Standards

The following are minimum standards and requirements, which shall be applied pursuant to Sec. 8175-5.7.2. More restrictive requirements may be imposed on a project through the conditions of the permit.

a. *Setbacks* – Wells shall be located a minimum of 800 feet from an occupied sensitive *use*. Private *access* roads to drill sites shall be located a minimum of 300 feet from occupied sensitive *uses*, unless a waiver is signed pursuant to Sec. 8175-5.7.8(w). In addition, no well shall be drilled and no equipment or facilities shall be permanently located within:

   1. 100 feet of any dedicated *public street*, highway or nearest rail of a railway being used as such, unless the new well is located on an existing drill site and the new well would not present a safety or right-of-way problem. If aesthetics is a problem, then the permit must be conditioned to mitigate the problem.

   2. 500 feet of any *building* or *dwelling* not necessary to the operation of the well, unless a waiver is signed pursuant to Sec. 8175-5.7.8(w), allowing the *setback* to be reduced. In no case shall the well be located less than 100 feet from said *structures*.

   3. 800 feet of any institution, school or other *building* used as a place of public assemblage, unless a waiver is signed pursuant to Sec. 8175-5.7.8(w), allowing the *setback* to be reduced. In no case shall the well

be located less than 300 feet from said *structures*.

4. 300 feet from the edge of the existing banks of "Red Line" channels as established by the Ventura County ~~Flood Control District~~ Watershed Protection District (~~VCFCD~~VCWPD) and 100 feet from the existing banks of all other channels appearing on the most current United States Geological Service (USGS) 2,000' scale topographic map as a blue line. These *setbacks* shall prevail unless the permittee can demonstrate to the satisfaction of the Public Works Agency that the subject *use* can be safely located nearer the *stream* or channel in question without posing an undue risk of water pollution, damage to wildlife and *habitat*, or impairment of flood control interests. In no case shall *setbacks* from *streams* or channels be less than 50 feet. All drill sites located within the 100-year flood plain shall be protected from flooding in accordance with ~~Flood Control District~~ VCWPD requirements.
5. The applicable *setbacks* for *accessory structures* for the zone in which the *use* is located.
6. 100 feet from any marsh, small wash, intermittent lake, intermittent *stream*, spring or perennial *stream* appearing on the most current USGS 2,000' scale topographic map, unless a *qualified biologist*, approved by the County, determines that there are no significant biological resources present or that this standard *setback* should be adjusted.

b. Obstruction of Drainage Courses – Drill sites and *access* roads shall not obstruct natural drainage courses. Diverting or channeling such drainage courses may be permitted only with the authorization of the Public Works Agency.

c. Removal of Equipment – All equipment used for drilling, redrilling, and maintenance work on approved wells shall be removed from the site within 30 days of the completion of such work unless a time extension is approved by the *Planning Director*.

d. Waste Handling and Containment of Contaminants – Oil, produced water, drilling fluids, cuttings, and other contaminants associated with the drilling, production, storage, and transport of oil shall be contained on the site unless properly transported off-site or injected into a well, treated or re- used in an approved manner on-site or, if allowed, off-site. Appropriate permits, permit modifications or approvals must be secured when necessary, prior to treatment or re-use of oil field waste materials. The permittee shall furnish the *Planning Director* with a plan for controlling oil spillage and preventing saline or other polluting or contaminating substances from reaching surface or subsurface waters. The plan shall be consistent with the requirements of the County, State and Federal Government.

~~Securities – Prior to the commencement or continuance of drilling or other *uses* on an existing permit, the permittee shall file, in a form acceptable to the County Counsel and certified by the County Clerk, a bond or other security in the penal amount of not less than $10,000.00 for each well that is drilled or to be drilled.~~

~~Any operator may, in lieu of filing such a security for each well drilled, redrilled, produced or maintained, file a security in the penal amount of not less than $10,000.00 to cover all operations conducted in the County of Ventura, a political subdivision of the State of California, conditioned upon the permittee well and truly obeying, fulfilling and performing each and every term and provision of the permit. In cases of any failure by the permittee to perform or comply with any term or provision thereof, the Planning Commission may, after notice to the permittee and a public hearing, by resolution, determine the amount of the penalty and declare all or part of the security forfeited in accordance with its provisions. The sureties and principal will be jointly and severally obligated to pay forthwith the full amount of the forfeiture to the County of Ventura. The forfeiture of any security shall not insulate the permittee from liability in excess of the sum of the security for damages or injury, or for expense or liability suffered by the County of Ventura from any breach by the permittee of any term or condition of said permit or of any applicable ordinance or of this security. No security shall be exonerated until after all of the applicable conditions of the permit have been met.~~

e. Sureties. Notwithstanding any provision of Section 8175-5.7 of this Article to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such *person* is defined as an "operator" for purposes of this Section 8175-5.7.8(e).

   1. Each operator shall file, in a form acceptable to County, surety bonds or cash equivalents as described below. Each surety shall list the County of Ventura as the obligee. Operators shall maintain the minimum amount of each surety with no gap in coverage until the operator has fulfilled and performed the obligation secured by each respective surety. County sureties required by this Section are additional to any sureties required by state and federal agencies for oil and gas operations.

   2. For purposes of this Section 8175-5.7.8(e), the term "well" shall have the same meaning as broadly defined by Public Resources Code section 3008, subdivision (a), and shall include the specific types of wells defined in Public Resources Code section 3008, subdivisions (b) through (e), as may be amended.

   3. Surety bonds shall be issued by an entity listed in the latest version of U.S. Department of Treasury Circular 570 that is authorized to issue bonds in California, and that has a bonding limitation shown in said circular sufficient to provide bonds in the amount required by this Section 8175-5.7.8(e).

   4. A cash equivalent surety may consist of a letter of credit, cashier's check, or certificate of deposit. It must be prepared and issued by a federally

insured commercial bank with an office in California in a form approved by County Counsel, payable to the County of Ventura, in an amount equal to the required surety or the sum of the amounts of the required surety.

5. Each surety shall be conditioned upon the operator fulfilling and performing the obligation secured by the respective surety. In particular, the Surface Restoration Surety as described below shall be conditioned on the operator's Restoration (defined below) of its oil and gas exploration and production sites in unincorporated Ventura County as determined and confirmed by the Planning Director or designee. The Well Abandonment Surety and Long-Term Idle Well Abandonment Supplement Surety as described below shall be conditioned on the operator's proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. In case of any failure by the operator to perform its obligations under a surety, the Planning Director shall declare all or part of the surety forfeited in accordance with its provisions. The surety company and principal shall be jointly and severally obligated to pay forthwith the full amount of the forfeiture to the County of Ventura. The forfeiture of any surety shall not insulate the operator and/or property owner from liability in excess of the sum of the surety for damages or injury, or expense or liability suffered by the County of Ventura or other parties, from any breach by operator and/or property owner of any term or condition of a County permit or violation of any applicable law or governmental regulation. Each surety shall be promptly released and exonerated by County after all applicable obligations have been performed and satisfied.

6. Surety Amounts

(a) Surface Restoration Surety. A Surface Restoration Surety is required to guarantee the operator's restoration and remediation of its oil and gas production and exploration sites in unincorporated Ventura County to as nearly their pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the above ground oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or otherwise complying with all applicable local, state and federal restoration and remediation requirements (collectively, "Restoration"). All Surface Restoration Surety amounts forfeited to the County shall be held in trust and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding Restoration of the operator's site(s). The default amount of the

Surface Restoration Surety shall be based on the total number of operator's wells, exclusive of properly abandoned wells, within unincorporated Ventura County as follows:

1-5 wells - $100,000

6-10 wells - $185,000

11-20 wells - $300,000

21- 50 wells – $500,000

51 – 100 wells - $1,000,000

101 - 200 wells - $3,000,000

201 - 400 wells - $5,000,000

≥401 wells - $10,000,000

In lieu of providing a surety in the above-stated default amount (hereinafter, "Default Amount"), the amount of the surety may reflect the estimated cost of Restoration of the operator's oil and gas exploration and production sites in unincorporated Ventura County as based on a restoration plan and cost estimate prepared by qualified third-party professionals at operator's sole expense ("Cost Estimate Amount"). For the surety amount to be initially established at the Cost Estimate Amount, the cost estimate and restoration plan must be submitted to, and approved as to accuracy by, the Planning Division prior to the date the Surface Restoration Surety is initially due. Otherwise, the initial surety amount shall be the Default Amount which may thereafter be adjusted upon the Planning Division's approval as to accuracy of an operator-submitted cost estimate and restoration plan.

(b) Well Abandonment Surety. A Well Abandonment Surety is required to guarantee the proper plugging and abandonment of the operator's wells in unincorporated Ventura County in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the surety shall be $36,000 for each of operator's wells, exclusive of properly abandoned wells, not to exceed $5,000,000 for any one operator for its wells located in unincorporated Ventura County. All Well Abandonment Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole

purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

(c) Long-Term Idle Well Abandonment Supplement Surety. A Long-Term Idle Well Supplement Surety is required, in addition to the Well Abandonment Surety, to further guarantee that long-term idle wells in unincorporated Ventura County are properly plugged and abandoned in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements. The amount of the supplement surety shall be $15,000 for each of operator's long-term idle wells that has been idle for 15 years or more, not to exceed $5,000,000 for any one operator for its 15-year-plus idle wells located in unincorporated Ventura County. This supplement surety amount may be added to, and jointly filed with the County with, the required Well Abandonment Surety in cases where the sureties are covering the same wells. All Long-Term Idle Well Abandonment Supplement Surety amounts forfeited to the County shall be held in trust, and released to and used by the California Geologic Energy Management Division, County, or other County-approved *person* for the sole purpose of funding the plugging and abandonment of all wells covered by the surety in accordance with the requirements of the California Geologic Energy Management Division or its successor agency, and any other applicable state and federal requirements.

7. Calculating, Filing and Maintaining Sureties

(a) New and renewed Conditional Use Permits shall include a condition of approval requiring the filing of all sureties required by this Section 8175-5.7.8(e) prior to use inauguration of the new or renewed permit.

(b) Each operator with existing wells in unincorporated Ventura County shall submit a complete inventory of its wells (including but not limited to active, idle, plugged and abandoned) for review by the Planning Division by XXXXXX [60 days after the effective date of the ordinance].

(c) The Planning Director or designee shall verify the required surety amounts based upon review of information provided by the operator, the California Geologic Energy Management Division or its successor agency, and County permit records, and notify the operator in writing. Operators with existing wells in unincorporated Ventura County shall provide the Planning Division all sureties

required pursuant to this Section 8175-5.7.8(e) within 180 days from the date of this notification.

(d) Between January 1 and January 31st of each calendar year commencing the year immediately after operators submit their initial sureties pursuant to this Section 8175-5.7.8(e), each operator shall submit an annual inventory of its active, idle, plugged and abandoned, and other wells to the Planning Division, along with verification that the annual premiums for all required sureties have been paid. This shall be referred to as the "Annual Surety Review". During the Annual Surety Review, or at any other time, an operator may request a surety adjustment in the event the amount of a required surety has changed in accordance with the applicable provisions of this Section 8175-5.7.8(e).

(e) At each five-year interval after the initial Annual Surety Review, each surety amount shall be inflation indexed (i.e., increased or decreased to account for inflation over the preceding five-year period) based on the U.S. Department of Labor, Bureau of Labor Statistics, Consumer Price Index for Los Angeles-Long Beach-Anaheim. Approximately 30 days prior to the Annual Surety Review conducted on each such fifth year, the Planning Division shall notify each operator of the adjusted surety amounts, as inflation indexed. Operators shall thereafter submit replacement sureties to the Planning Division based on the applicable new amounts during the Annual Surety Review for that year.

f. Dust Prevention and Road Maintenance – The drill site and all roads or hauling routes located between the public right-of-way and the subject site shall be improved or otherwise treated as required by the County and maintained as necessary to prevent the emanation of dust. *Access* roads shall be designed and maintained so as to minimize *erosion*, prevent the deterioration of vegetation and crops, and ensure adequate levels of safety. The permittee shall treat unpaved *access* roads by either oiling and chipping, or *use* of an APCD-approved chemical dust palliative (such as Dust-Off - $MgCl_2$) or *use* of other APCD-approved mechanisms.

g. Light Emanation – Light emanation shall be controlled so as not to produce excessive levels of glare or abnormal light levels directed at any neighboring *uses*. Lighting shall be kept to a minimum to maintain normal nighttime light levels in the area, but not inhibit adequate and safe working light levels. The location of all flood lights and an outline of the illuminated area shall be shown on the *landscape plan*, if required, or on the requisite plot plan.

h. Reporting of Accidents – The permittee shall immediately notify the *Planning Director*, the Fire Department and all other applicable agencies in the event of fires, spills, or hazardous conditions not incidental to the normal operations at the permit site. Upon request of any County Agency, the

permittee shall provide a written report of any incident within seven calendar days that shall include, but not be limited to, a description of the facts of the incident, the corrective measures used and the steps taken to prevent recurrence of the incident.

i. Painting – Drill sites and production facilities shall be located so that they are not readily seen. All permanent facilities, *structures*, and aboveground pipelines on the site shall be colored so as to mask the facilities from the surrounding environment and *uses* in the area. Said colors shall also take into account such additional factors as heat buildup and designation of danger areas. Said colors shall be approved by the *Planning Director* prior to the painting of facilities.

j. Site Maintenance – The permit area shall be maintained in a neat and orderly manner so as not to create any hazardous or unsightly conditions such as debris, pools of oil, water, or other liquids, weeds, brush, and trash. Equipment and materials used for the operation and maintenance of the oil well located at the site may be stored on site. If the well has been suspended, idled or shut-in for 30 days, as determined by the ~~Division of Oil and Gas~~ California Geologic Energy Management Division, all such equipment and materials shall be removed within 90 days.

k. Site Restoration.

1. Notwithstanding any provision of Section 8175-5.7 of this Article to the contrary, the following restoration and remediation requirements shall apply to all existing and new oil and gas exploration and production sites and operations in the coastal zone of unincorporated Ventura County. On expiration, revocation, relinquishment or abandonment of a Conditional Use Permit or Special Use Permit (collectively, "permit") authorizing the subject oil and gas production exploration and production land use ("Termination of Use"), the operator or property owner must restore and remediate the site to as nearly its pre-oil and gas exploration and production condition as is practicable including, to the extent not inconsistent with state or federal law, by: removing all equipment, facilities, tanks, pipelines and other improvements associated with the oil and gas operations; performing any required remediation of environmental contamination caused by said operations; and/or by otherwise complying with all applicable local, state and federal restoration and remediation requirements (collectively, "Restoration").

2. Within 90 days after Termination of Use, operator or property owner shall submit to the Planning Division a Restoration plan prepared by a qualified third-party professional at operator's sole expense detailing the components and timing of Restoration. The Planning Director, in consultation with the California Geologic Energy Management Division, shall review and approve the Restoration plan if it is compliant with this

Section 8175-5.7.8(k). Restoration shall be diligently pursued and completed within one year after the plugging and abandoning of the last oil well in the subject permit area, unless the Planning Director, in consultation with the California Geologic Energy Management Division, approves a different deadline for Restoration.

l. Insurance

1. Notwithstanding any provision of Section 8175-5.7 of this Article to the contrary, the following requirements shall apply to any *person* who, by virtue of ownership, or under the authority of a lease or any other agreement, has the right to drill, operate, maintain, or control an oil and gas well or production facility in unincorporated Ventura County. Such a person is defined as an "operator" for purposes of this Section 8175-5.7.8(l).

2. Each operator shall maintain the following insurance coverages with no gap in coverage, pursuant to the following terms and conditions, until full restoration of the operator's oil and gas exploration and production site(s) in unincorporated Ventura County in compliance with this Article is confirmed by the Planning Director or designee:

   (a) General Liability for Oil & Gas Businesses: General Liability, with at least $2,000,000 each occurrence and $4,000,000 general aggregate.

   (b) Environmental Impairment: Pollution Liability Policy with coverage not less than $10,000,000. Coverage shall apply to sudden and gradual pollution conditions resulting from: the escape or release of smoke, vapors, fumes, acids, alkalis, toxic chemicals, liquids, or gases, natural gas, waste materials, or other irritants, contaminants, or pollutants (including asbestos) written on an occurrence basis. If the coverage is written on a claims-made basis rather than occurrence basis, any retroactive date applicable to coverage under the policy shall be no later than the policy inception date, and continuous coverage shall be maintained or an extended discovery period must exist for a period of at least three (3) years beginning from the date that full restoration of all of the operator's oil and gas exploration and production sites in unincorporated Ventura County in compliance with this Article is confirmed by the County. If the operator is responsible for the transport of any hazardous waste this Pollution Liability Policy must cover said transport activity, or operator may add Insurance Services Office (ISO) endorsement CA 9948 and MCS-90 to a Business Automobile Policy.

(c) Control of Well (initial drill or well modification) coverage of a minimum of $10,000,000 per occurrence to cover cost of controlling a well that is out of control, drilling or restoration expenses, and seepage and pollution damage.

(d) Excess (or umbrella) Liability Insurance: Minimum limit of $25,000,000 providing excess coverage for each of the perils insured by the preceding insurance policies.

3. The County of Ventura, its boards, agencies, departments, officers, employees, agents, and volunteers shall be named as additional insureds ("Additional Insureds") as respect to all work done, activities undertaken, and operations conducted by the operator on all required insurance policies. All required insurance shall be primary coverage with respect to Additional Insureds, and any insurance or self-insurance maintained by Additional Insureds shall be excess of operator's insurance coverage and not contribute to it.

4. Operator shall immediately inform the Planning Division if any aggregate insurance limit is exceeded in which case the operator must obtain additional coverage to meet the requirements of this Section 8175-5.7.8(l).

5. Policies shall not be canceled, non-renewed or reduced in scope of coverage until after 60 days written notice has been provided to the Planning Division. Operator shall provide the Planning Division with certificates of insurance and Additional Insured endorsements demonstrating proof of any new policy with verification that it will be effective on or before the end of the existing policy.

6. Operator shall require adequate insurance of its contractors and subcontractors.

7. Operators with existing oil and gas wells or production facilities in unincorporated Ventura County shall provide the Planning Division with certificates of insurance and Additional Insured endorsements demonstrating proof of all insurance required by this 8175-5.7.8(l) by XXXX [90 days from effective date of ordinance]. New and renewed Conditional Use Permits shall include a condition of approval requiring the provision of said proof of insurance prior to the use inauguration of the new or renewed permit.

m. Noise Standard – Unless herein exempted, drilling, production, and maintenance operations associated with an approved oil permit shall not produce noise, measured at a point outside of occupied sensitive *uses* such as residences, schools, health care facilities, or places of public assembly,

that exceeds the following standard or any other more restrictive standard that may be established as a condition of a specific permit. Noise from the subject project shall be considered in excess of the standard when the average sound level, measured over one hour, is greater than the standard that follows. The determination of whether a violation has occurred shall be made in accordance with the provisions of the permit in question.

Nomenclature and noise level descriptor definitions are in accordance with the Ventura County General Plan Goals, Policies and Programs and the Ventura County General Plan Hazards Appendix. Measurement procedures shall be in accordance with the Ventura County General Plan Goals, Policies and Programs, and General Plan Hazards Appendix.

The maximum allowable average sound level is as follows:

~~**Average Noise Levels (LEQ)**~~

~~**Time Period**~~	~~**Drilling and Production Maintenance**~~	~~**P**~~
~~Day (6:00 a.m. to 7:00 p.m.)~~	~~55 dBA~~	~~4~~
~~Evening (7:00 p.m. to 10:00~~	~~50 dBA~~	~~4~~
~~Night (10:00 p.m. to 6:00~~	~~45 dBA~~	~~4~~

Average Noise Levels (LEQ)

Time Period	**Drilling and Maintenance Phase**	**Producing Phase**
Day (6:00 a.m. to 7:00 p.m.)	55 dBA	45 dBA
Evening (7:00 p.m. to 10:00 p.m.)	50 dBA	40 dBA
Night (10:00 p.m. to 6:00 a.m.)	45 dBA	40 dBA

For purposes of this section, a well is in the "producing phase" when hydrocarbons are being extracted or when the well is idled and not undergoing maintenance. It is presumed that a well is in the "drilling and maintenance phase" when not in the "producing phase."

n. Exceptions to Noise Standards – The noise standards established pursuant to Sec. 8175-5.7.8(m) shall not be exceeded unless covered under any of

the following provisions:

1. Where the ambient noise levels (excluding the subject facility) exceed the applicable noise standards. In such cases, the maximum allowable noise levels shall not exceed the ambient noise levels plus 3 dB(A).

2. Where the owners/occupants of sensitive *uses* have signed a waiver pursuant to Sec. 8175-5.7.8(w) indicating that they are aware that drilling and production operations could exceed the allowable noise standard and that they are willing to experience such noise levels. The applicable noise levels shall apply at all locations where the owners/occupants did not sign such a waiver.

o. Compliance with Noise Standard – When a permittee has been notified by the Planning Division that his operation is in violation of the applicable noise standard, the permittee shall correct the problem as soon as possible in coordination with the Planning Division. In the interim, operations may continue; however, the operator shall attempt to minimize the total noise generated at the site by limiting, whenever possible, such activities as the following:

1. hammering on pipe;

2. racking or making-up of pipe;

3. acceleration and deceleration of engines or motors;

4. drilling assembly rotational speeds that cause more noise than necessary and could reasonably be reduced by *use* of a slower rotational speed;

5. picking up or laying down drill pipe, casing, tubing or rods into or out of the drill hole.

If the noise problem has not been corrected by 7:00 p.m. of the following day, the offending operations, except for those deemed necessary for safety reasons by the *Planning Director* upon the advice of the ~~DOGGR~~, California Geologic Energy Management Division shall be suspended until the problem is corrected.

p. Preventive Noise Insulation – If drilling, redrilling, or maintenance operations, such as pulling pipe or pumps, are located within 1,600 feet of an occupied sensitive *use*, the work platform, engine base and draw works, crown block, power sources, pipe rack, and other probable noise sources associated with a drilling or maintenance operation shall be enclosed with soundproofing sufficient to ensure that expected noise levels do not exceed the noise limits applicable to the permit. Such soundproofing shall be installed prior to the commencement of drilling or maintenance activities, and shall include any or all of the following: acoustical blanket, coverings, soundwalls, or other soundproofing materials or methods that ensure that operations meet the applicable noise standard. The requirements may be waived by the Planning Commission if the permittee can demonstrate that the applicable noise standard can be met or that all applicable parties within the prescribed

distance have signed a waiver pursuant to 8175-5.7.8(w).

q. Waiver of Preventative Noise Insulation – The applicant may have a noise study prepared by a qualified acoustical consultant, approved by the County. If the findings of the study conclude that the proposed project will meet the County Noise standards contained in Sec. 8175-5.7.8(m) and do not constitute a nuisance, then the soundproofing requirement may be waived. If the findings show a noise level will be generated above and beyond the County standards, then soundproofing must be installed sufficient to meet the applicable noise standard. Where a waiver pursuant to Sec. 8175- 5.7.8(w) is signed, no preventative noise insulation will be required.

r. Soundproofing Material – All acoustical blankets or panels used for required soundproofing shall be of fireproof materials and shall comply with California Industrial Safety Standards and shall be approved by the Ventura County Fire Protection District prior to installation.

s. Hours of Well Maintenance – All non-*emergency* maintenance of a well, such as the pulling of pipe and replacement of pumps, shall be limited to the hours of 7:00 a.m. to 7:00 p.m. of the same day if the well site is located within 3,000 feet of an occupied residence. This requirement may be waived by the *Planning Director* if the permittee can demonstrate that the applicable noise standards can be met or that all applicable parties within the prescribed distance have signed a waiver pursuant to Sec. 8175- 5.7.8(w).

t. Limited Drilling Hours – All drilling activities shall be limited to the hours of 7:00 a.m. through 7:00 p.m. of the same day when they occur less than 800 feet from an occupied sensitive *use*. Night time drilling shall be permitted if it can be demonstrated to the satisfaction of the *Planning Director* that the applicable noise standard can be met or that all applicable parties within the prescribed distance have signed a waiver pursuant to Sec. 8175-5.7.8(w).

u. Signs – Signs shall comply with Sec. 8175-5.13 and the development standards per Sec. 8178-5.13.10.7 *Identification Signs*, Oil and Gas Development.

v. Fencing – All active well sites (except submersible pumps), sumps and/or drainage basins or any machinery in *use* or intended to be used at the well site or other associated facilities shall be securely fenced, if required, based on the *Planning Director's* determination that fencing is necessary due to the proximity of nearby businesses, residences, or other occupied sensitive *uses*. A single adequate *fence* that is compatible with surrounding area, may be used to enclose more than one oil well or well site and appurtenances. Location of *fences* shall be shown on a submitted plot plan and/or *landscape plan*, if required. *Fences* must meet all ~~DOGGR~~ California Geologic Energy Management Division regulations.

w. Screening and Landscaping – All oil and gas production areas shall be landscaped so as to screen production equipment in a manner consistent

with the natural character of the area, if required, based on the *Planning Director's* determination that landscaping is necessary. Required landscaping shall be implemented in accordance with a landscape and irrigation plan to be approved by the *Planning Director* or his/her designee after consultation with the property owner. The *landscape plan* shall be consistent with Sec. 8178-8, Water Efficient Landscaping Requirements, or Coastal Area Plan policies, whichever are more restrictive. This *landscape plan* shall include, but not be limited to, measures for adequate screening of producing wells and permanent equipment from view of *public roads* or *dwellings*, revegetation of all cut and *fill* banks, and the restoration of disturbed areas of the site not directly related to oil and gas production. Low water usage landscaping and *use* of native plants shall be encouraged.

1. Landscaping and Above Ground Pipelines. Consideration shall also be given to above ground pipelines that are part of the project. Landscape maintenance shall be subject to periodic inspection by the County, in accordance with Sec. 8178-8.9 Landscape Documentation Package Approval and Inspections. The permittee shall be required to remedy any defects in landscape maintenance within 30 days of notification by the County.

2. Landscaping and Well Drill Pads

   a. If wells are brought into production, the site shall be landscaped so as to screen production equipment from view from neighboring residences in a manner consistent with the natural character of the area.

   b. The landscaping associated with the wells shall also be intended to provide screening from glare that may result from on-site facilities (e.g., tanks, *buildings*, other).

   c. The permittee shall not install production equipment until the *Planning Director* has approved the landscaping plan and a *Zoning Clearance* has been issued.

   d. At the expense of the permittee, the County, or a County approved *landscape architect*, shall determine whether the visual impacts of the production facilities have been screened from view. The timing and schedule for subsequent review shall be determined prior to the issuance of a *Zoning Clearance* for the production facilities.

x. Waivers – Where provisions exist for the waiver of an ordinance requirement, the waiver must be signed by the owner and all adult occupants of a *dwelling*, or in the case of other sensitive *uses*, by the owner of the *use* in question. Once a waiver is granted, the permittee is exempt from affected ordinance requirements for the life of the waiver. Unless otherwise stated by the signatory, a waiver signed pursuant to Sec. 8175- 5.7.~~7~~ 8.n.(2) shall also be considered a waiver applicable to Secs. 8175-5.7.~~7~~ 8.p. and 8175-5.7.~~7~~ 8.s. and t.

y. Application of Sensitive *Use* Related Standards – The imposition of regulations on petroleum operations that are based on distances from occupied sensitive *uses* shall only apply to those occupied sensitive *uses* that were in existence at the time the permit for the subject oil operations was approved.

z. Inspection, Enforcement and Compatibility Review – To ensure that adequate funds are available for the legitimate and anticipated costs incurred for monitoring and enforcement activities associated with new or modified oil and gas related Conditional Use Permits, the permittee shall deposit with the County funds, determined on a case by case basis, prior to the issuance of a *Zoning Clearance*. The funds shall also cover the costs for any other necessary inspections or the resolution of confirmed violations that may occur. One deposit may be made to cover all of the permittee's various permits. In addition, all new or modified Conditional Use Permits for oil and gas related *uses* shall, at the discretion of the *Planning Director*, be conditioned to require a compatibility review on a periodic basis. The purpose of the review is to determine whether the permit, as conditioned, has remained consistent with its findings for approval and if there are grounds for proceeding with public hearings concerning modification, suspension, or revocation of the permit.

Exhibit 5

Summary of Recent State Laws Related to Oil and Gas Operations

Several state laws related to oil and gas operations are summarized here due to their bearing on oil and gas operations in Ventura County. Key provisions are identified.

Senate Bill 2007 (Costa 1996)

- If a well is deserted but the operator cannot pay for the costs of plugging and abandonment, CalGEM can pursue operators that owned the well as far back as January 1, 1996 for plugging and abandonment costs.

Assembly Bill 2729 (Williams 2016)

- Updated bond requirements for operators when they drill, re-drill, deepen, or permanently alter any well or any operator who acquires a well.
- Bond intended to address state's liability to properly plug and abandon wells that are orphaned by operator bankruptcy or failure to act.
- Operators must file a $25,000 bond with CalGEM for a well less than 10,000 feet deep and $40,000 for each well that is greater than or equal to 10,000 feet deep.
- Alternatively, an operator can file a blanket indemnity bond based on the number of wells they own, as shown in the table below. The bonds are not released until the wells are properly plugged and abandoned.
- Idle well fees increase based on the length of time a well is idle, as shown in table below.

# of Wells in the State	Blanket Bond Amount
50 or fewer	$200,000
51-500	$400,000
501-10,000	$2,000,000
More than 10,000	$3,000,000

Years Idle	Annual Fee/Well
3 – 7	$150
8 – 14	$300
15 – 19	$750
20 or more	$1,500

- An operator of an idle well must pay an annual fee or file an Idle Well Management Plan, which outlines the operator's plan to manage and eliminate (i.e., either plug and abandon or bring back into production) their idle wells.
    - Idle well fees are paid into the Hazardous and Idle-Deserted Well Abandonment Fund (HIDWAF), which CalGEM uses to plug and abandon orphan wells and plug and/or decommission hazardous wells or production facilities.

- The funds from the HIDWAF are in addition to those granted under CalGEM's annual expenditure authority for plugging and abandoning wells, which is $5 million per year beginning in the 2022-2023 fiscal year per the recent passage of SB 47 (discussed below).
- If operators choose to file an Idle Well Management Plan instead of paying the idle well fees, operators must eliminate their long-term idle wells as follows: operators with 250 or fewer idle wells must eliminate four percent of their long-term idle wells each year, operators with 251 to 1,250 idle wells must eliminate five percent each year, and operators with more than 1,250 idle wells must eliminate six percent each year.
- CalGEM is required to present an annual report to the legislature regarding the status of idle and long-term idle wells in California. CalGEM has presented two reports thus far: one in 2019 representing data from January 1 – December 31, 2018[1], and one in 2021 representing data from January 1 – December 31, 2019[2].

Senate Bill 724 (Lara 2017)

- Authorizes a city or county to request from CalGEM a list of all identified idle wells within its jurisdiction.
- Temporarily raised the cap on CalGEM spending for hazardous wells, idle-deserted wells, hazardous facilities, or deserted facilities, from $1,000,000 to $3,000,000 in any one fiscal year, for the 2018–19 fiscal year to the 2021–22 fiscal year.[3]
- Requires CalGEM to develop criteria for determining the priority of plugging and abandoning hazardous or idle-deserted wells and decommissioning hazardous or deserted facilities to be remediated pursuant to these provisions and would exempt the development of those criteria from the Administrative Procedure Act.
- Requires CalGEM to report on October 1, 2020, to the Legislature on the estimated number of hazardous wells, idle-deserted wells, deserted facilities, and hazardous facilities remaining, the estimated costs of abandoning or decommissioning those wells and facilities, and a timeline for future well abandonment and decommissioning of facilities with a specific schedule of goals, and, as part of that report, provide recommendations to the Legislature for improving and optimizing the involvement of local agencies in the process of plugging and abandoning wells and decommissioning facilities.

[1] CalGEM. 2019. Idle Well Program Report on Idle and Long-term Idle Wells in California. Reporting Period: January 1, 2018 to December 31, 2018 Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. of 2016).
[2] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019 to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).
[3] Prior to the passage of SB 47, this cap would have returned to $1,000,000 for the 2022-23 fiscal year.

Assembly Bill 1057 (Limón, 2019)

- Authorizes CalGEM to require an operator filing an individual or blanket indemnity bond to provide an additional amount of security based on CalGEM's evaluation of the risk that the operator will desert its wells and the potential threats the operator's well or wells pose to life, health, property, and natural resources.
- The amount cannot exceed the lesser of CalGEM's estimate of the reasonable costs of properly plugging and abandoning all of the operator's wells and decommissioning any attendant production facilities, or $30,000,000.
- Provides CalGEM authority to track and trace the ownership of wells and facilities with greater accuracy to enable it to take enforcement actions against the appropriate operators.

Senate Bill 47 (Limón 2021)

- Beginning in FY 2022–23, raises the cap on CalGEM spending for purposes related to hazardous wells, idle-deserted wells, hazardous facilities, and deserted facilities from $1 million to $5 million in any one fiscal year.

Assembly Bill 896 (Bennett 2021)

- Authorizes CalGEM to impose a claim and lien upon the real property in the state owned by the operator or responsible party of an oil or gas well and attendant facility under specified conditions and in specified amounts.
- Requires the CalGEM Supervisor, no later than July 1, 2022, to establish a collections unit responsible for: (1) collection of unpaid idle well fees from an operator, (2) establishing the timelines and criteria for determining if a well has been deserted, and (3) locating or collecting any costs from the operator or responsible party for a well that has been deserted or ordered to undergo well integrity testing or to be plugged and abandoned.
- Requires CalGEM's annual idle well report to include the following components:
  - Number of operators and amounts of idle well fees collected by the collections unit in the preceding year;
  - Criteria used by the collections unit to determine whether a well or attendant facility is deserted;
  - Amount of costs recovered from operators or responsible parties for work ordered or undertaken by CalGEM;
  - Number of wells and facilities eligible to be subject to a lien; and
  - Number of liens placed and released by the supervisor.

Senate Bill 84 (Hurtado 2021)

- Revises and enhances the legislative reporting requirements of CalGEM's idle oil and gas well program.
- Requires CalGEM Supervisor by July 1, 2022, to provide the Legislature with a report detailing the process used by the state to determine that the current operator of a deserted well does not have the financial resources to fully cover the cost of plugging and abandoning the well or the decommissioning of deserted production facilities.
- Requires CalGEM to report the location of hazardous wells, idle-deserted wells, deserted facilities, and hazardous facilities remaining, including the county in which they are located, to the Legislature by April 1, 2022, if the information is not otherwise included in the April 1, 2021, report already required by existing law.

Discussion Draft Rule for Protection of Communities and Workers from Health and Safety Impacts from Oil and Gas Production Operations

Released on October 21, 2021, the discussion draft rule proposed new statewide setbacks from oil and gas wells: CalGEM would not approve any Notice of Intention to drill a new well with a surface location within 3,200 feet of a sensitive receptor[4], with exceptions for health and safety reasons. The discussion draft also proposed updated requirements for active and idle wells within 3,200 feet of sensitive receptors, including the following:

- Implementation and requirements for a Leak Detection and Response Plan to detect methane and hydrogen sulfide.
- Vapor venting prevention system requirements for all permanent and temporary equipment that emits vapors, including tanks, vessels, separation facilities, gas processing units, and other equipment holding petroleum liquids or produced water
- Baseline Water Sampling and Testing before commencing any work that requires a Notice of Intention
- Sound controls
- Lighting controls
- Dust control

[4] Under the draft discussion rulemaking, a "Sensitive receptor" means any residence including private homes, condominiums, apartments, and living quarters; education resources such as preschools and kindergarten through grade twelve (K-12) schools; daycare centers; any building housing a business that is open to the public; and health care facilities such as hospitals or retirement and nursing homes. A sensitive receptor includes long term care hospitals, hospices, prisons, and dormitories or similar live-in housing.

- Gas Sampling and Analysis requirements for each field or distinct geologic area in which the operator produces gas
- Produced Water Sampling and Analysis
- Non-Emergency Spill Reporting
- Production Facility Secondary Containment
- Wellhead Containment
- Stuffing Box Containment
- Tank Construction and Leak Detection
- Tank Testing and Minimum Wall Thickness Requirements
- Out-of-Service Production Facility Requirements
- Pipeline Inspection and Testing
- Pipeline Cleanup and Abatement
- Maintenance and Monitoring of Production Facilities, Safety Systems, and Equipment
- Cementing Casing Survey
- Drilling Fluid Program
- Plugging and Abandonment - General Requirements

Exhibit 6

Unit Cost Estimates for Surface Restoration of Oil and Gas Sites

Unit costs for removal of physical infrastructure and equipment provided in the table below were used to establish the amounts for the Surface Restoration Surety proposed in the NCZO and CZO Amendments.

Physical Infrastructure and Equipment Removal Costs

Infrastructure Type	Unit	Removal Cost/Unit ($)
Tank Settings		
Small (100 barrels [bbl])	$/tank	2,000
Medium (1,000 bbl)	$/tank	9,000
Large (10,000 bbl)	$/tank	60,000
Pumps	$/pump	1,200
Vessels	$/vessel	5,000
Compressor	$/compressor	3,700
Cogen Generator	$/generator	7,500
Heater Treater	$/heater treater	11,000
Gas Scrubber	$/scrubber	6,000
Water Plant		
Small (500 bbl)	$/tank	2,500
Medium (1,000 bbl)	$/tank	5,000
Large (5,000 bbl)	$/tank	15,000
Filters	$/filter	3,000
Pumps	$/pump	1,200
Compressor	$/compressor	6,000
Gas Plant		
Propane Tank	$/tank	5,400
Scrubbers	$/scrubber	3,000
Flares	$/flare	2,500
Pumps	$/pump	1,200
Filters	$/filter	3,000

Infrastructure Type	Unit	Removal Cost/Unit ($)
Compressors	$/compressor	2,200
LACT (Lease Automatic Custody Transfer) Unit	$/LACT unit	5,400
Large Chemical Tank (3,000 gal)	$/tank	5,000
Medium Chemical Tank (300 gal)	$/tank	3,500
Small Chemical Tank (20 gal)	$/tank	250
Coolers	$/vessel	5,000
AWT (Automatic Well Tester) Settings		
Vessels	$/vessel	4,500
Emulsion/Chemical Tanks	$/tank	3,500
Piping Abandonment		
Low end estimate	$/1000-linear feet	2,250
High end estimate	$/1000-linear feet	10,900
Soil Removal[1]		
Soil Excavation/Remediation	$/CY	10
Transport/Disposal of Excavated Soil	$/CY	70

[1] The cost estimate assumes the offsite disposal of all the impacted soil at a cost of $80/yd (for excavation, transport, and disposal). If the soil is treated in onsite bioremediation cells, the costs would be significantly reduced.

EXHIBIT 7
Coastal Zoning Ordinance Amendment Findings

This exhibit provides an analysis of consistency with the California Coastal Act for topics addressed by the proposed Local Coastal Program (LCP) amendments pertaining to the County of Ventura's ("County") Oil and Gas Permitting Regulations which are set forth at Article 5, Section 8175-5.7 of the County's Coastal Zoning Ordinance (CZO)).

The California Coastal Act requires that local governments create LCPs (consisting of land use plans and implementing ordinances) to carry out the policies of the Coastal Act at the local level. Once an LCP is certified by the California Coastal Commission (Coastal Commission), responsibility for issuance of most coastal development permits is delegated to the local government.

Land use development within the County's unincorporated coastal zone is governed by the County's Coastal Area Plan (CAP), the CZO, and two adopted Categorical Exclusion Orders (Order E-83-1 and amendment E-83-1A). The CAP is the County's coastal area land use plan addressing the type, location, and intensity of land uses, applicable resource protection and development policies and, where necessary, a listing of implementing actions. In order to ensure that policies in the CAP are interpreted in a manner consistent with the Coastal Act, the policies of the Coastal Act (Sections 30200 through 30265.5) have been incorporated by reference as policies of the CAP. The CAP was certified by the Coastal Commission in June 1982.

In order to realize the broad objectives and policies outlined within the CAP, the CZO contains standards that control the form and function of future development. It includes more detailed zoning or implementing ordinances designed to carry out the policies of the CAP and was certified by the Coastal Commission in 1983. The Categorical Exclusion Orders are independent documents adopted by the Coastal Commission in accordance with section 30610(e) of the Coastal Act. Ventura County's Categorical Exclusion Order E-83-1 became effective in September 1986 and was amended once (E-83-1A) in May 1987.

The proposed CZO amendments (Exhibits 5 and 6 to the Planning Commission staff report dated July 30, 2020) require that all existing oil and gas exploration and production operations be automatically subject to the oil development and operational standards set forth in Sections 8175-5.7.7 and 8175-5.7.8, and require a new conditional use permit (CUP) or discretionary permit site plan adjustment or modification for any new oil and gas exploration and production operation, or component thereof, consisting of one or more of the following: (1) any new well unless specifically identified by location and number in an active discretionary permit issued under this Chapter; (2) the re-drilling or deepening of any existing well unless specifically authorized by an active discretionary permit issued under this Chapter; or (3) any permanent structure unless specifically identified by an

active discretionary permit issued under this Chapter, or the structure replaces an existing structure with the same dimensions at the same location. The proposed amendment is evaluated below for consistency with the Coastal Act.

The Coastal Commission must certify proposed LCP amendments if, as set forth in Coastal Act sections 30512 through 30513, the amendments are in conformance with Coastal Act policies and the amendments are adequate to carry out the provisions of the CAP. The Coastal Commission also must make related findings for certification as set forth in the California Code of Regulations, title 14, section 13540. Based on the evaluations conducted for these subject areas, as presented in the below Coastal Act Consistency Table, the Planning Division found that all findings can be made for the proposed CZO amendments. For example, the table demonstrates why the proposed LCP amendments are consistent with the applicable Coastal Act policies and are adequate to carry out the provisions of the CAP. Specifically, the proposed LCP amendments would result in the discretionary review of many future development proposals that might otherwise only be subject to ministerial review. Discretionary review, using existing CAP policies, would result in enhanced protection of resources for these developments.

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
Subject: Public Access & Recreation	
PRC Section 30210 Access; recreational opportunities; posting In carrying out the requirement of Section 4 of Article X of the California Constitution, maximum access, which shall be conspicuously posted, and recreational opportunities shall be provided for all the people consistent with public safety needs and the need to protect public rights, rights of private property owners, and natural resource areas from overuse. **PRC Section 30211 *Development not to interfere with access*** Development shall not interfere with the public's right of access to the sea where acquired through use or legislative authorization, including, but not limited to, the use of dry sand and rocky coastal beaches to the first line of terrestrial vegetation. **PRC Section 30212 *New Development Projects; provision for access; exceptions*** (a) Public access from the nearest public roadway to the shoreline and along the coast shall be provided in new development projects except where: (1) it is inconsistent with public safety, military security needs, or the protection of fragile coastal resources, (2) adequate access exists nearby, or, (3) agriculture would be adversely affected. Dedicated accessway shall not be required to be opened to public use until a public agency or private association agrees to accept responsibility for maintenance and liability of the accessway. (b) For purposes of this section, "new development" does not include: (1) Replacement of any structure pursuant to the provisions of subdivision (g) of Section 30610. (2) The demolition and reconstruction of a single-family residence; provided, that the reconstructed residence shall not exceed either the floor area, height or bulk of the former structure by more than 10%, and that the reconstructed residence shall be sited in the same location on the affected property as the former structure.	**Consistent**. All Conditional Use Permits (CUPs) for oil and gas exploration and development are required to be consistent with the following public access and recreation policies of the Coastal Act and the CAP. Currently, however, there is limited opportunity for the County to re-evaluate approved projects to address potential environmental or regulatory changes that may occur over time. The proposed amendments would ensure protection of coastal public access and recreation resources over time by allowing the County to periodically analyze oil and gas exploration and development CUPs for consistency with all applicable CAP policies and CZO provisions that may exist at the time of permit renewal or permit denial, including any new or modified public access and recreation provisions. In addition, increasing the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance, and incorporating measures to assure additional funding for proper plugging and abandonment of oil and gas wells that have been idle for 15 years or more in accordance with State law, will lessen the likelihood of adverse impacts to public access and recreation resulting from operator(s) that may be unavailable or unwilling to address such issues.

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
(3) Improvements to any structure which do not change the intensity of its use, which do not increase either the floor area, height, or bulk of the structure by more than 10%, which do not block or impede public access, and which do not result in a seaward encroachment by the structure. (4) The reconstruction or repair of any seawall; provided, however, that the reconstructed or repaired seawall is not a seaward of the location of the former structure. (5) Any repair or maintenance activity for which the commission has determined, pursuant to Section 30610, that a coastal development permit will be required unless the commission determines that the activity will have an adverse impact on lateral public access along the beach. As used in this subdivision "bulk" means total interior cubic volume as measured from the exterior surface of the structure. (c) Nothing in this division shall restrict public access nor shall it excuse the performance of duties and responsibilities of public agencies which are required by Sections 66478.1 to 66478.14, inclusive, of the Government Code and by Section 4 of Article X of the California Constitution.	
PRC Section 30220 ***Protection of certain water-oriented activities*** Coastal areas suited for water-oriented recreational activities that cannot readily be provided at inland water areas shall be protected for such uses.	
PRC Section 30222 ***Private lands; priority of development purposes*** The use of private lands suitable for visitor-serving commercial recreational facilities designed to enhance public opportunities for coastal recreation shall have priority over private residential, general industrial, or general commercial development, but not over agriculture or coastal-dependent industry.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
PRC Section 30223 *Upland areas* Upland areas necessary to support coastal recreational uses shall be reserved for such uses, where feasible.	
CAP Access Policy for General Access (*All Subareas*) In accordance with section 30214(a) of the Coastal Act, the time, place, and manner of access will depend on individual facts and circumstances; including topographic and site characteristics, the capacity of the site to sustain use at the intensity proposed, management of the access areas to protect the privacy of adjacent owners, and the feasibility to provide for litter collection.	
CAP Access Policy for General Access (*All Subareas*) In accordance with section 30214(b) of the Coastal Act, the requirement of access shall be reasonable and equitable, balancing the rights of the individual property owner with the public's right of access.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
Subject: Marine & Biological Resources	
PRC Section 30230 *Marine resources; maintenance* Marine resources shall be maintained, enhanced, and where feasible, restored. Special protection shall be given to areas and species of special biological or economic significance. Uses of the marine environment shall be carried out in a manner that will sustain the biological productivity of coastal waters and that will maintain healthy populations of all species of marine organisms adequate for long-term commercial, recreational, scientific, and educational purposes.	**Consistent**. All oil and gas exploration and development CUPs are required to be consistent with the following policies related to marine and biological resources in the Coastal Act and the CAP. However, currently, there is limited opportunity for the County to re-evaluate approved projects to address potential environmental or regulatory changes that may occur over time. The proposed amendments would ensure protection of sensitive marine and biological resources over time by allowing the County to periodically analyze oil and gas exploration and development CUPs for consistency with all applicable CAP policies and CZO provisions that may exist at the time of permit renewal (or permit denial) including any new or modified provisions related to marine and biological; and conduct an evaluation at the time of proposed permit renewal to determine whether any new permit conditions are warranted to address and mitigate potential adverse impacts to sensitive marine and biological resources, or whether such operations should continue. In addition, the proposed amendments would allow the County to increase the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance; and incorporate measures to assure additional funding for plugging and abandonment of oil and gas wells that have been idle for 15 years or more, in accordance with State law. Based on the evidence included in the record, and as reported by the State, long-term idle oil and gas wells can pose risks to marine and biological resources ranging from water

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
	contamination to releases of toxic substances into the environment. As stated in the staff report, the current surety and insurance requirements are likely not adequate to cover permit noncompliance, well abandonment, and site restoration. The proposed amendments provide additional financial assurance for these instances, which would help to ensure continued protection of, and prevent adverse impacts to, marine and biological resources.
PRC Section 30231 ***Biological productivity; water quality*** The biological productivity and the quality of coastal waters, streams, wetlands, estuaries, and lakes appropriate to maintain optimum populations of marine organisms and for the protection of human health shall be maintained and, where feasible, restored through, among other means, minimizing adverse effects of waste water discharges and entrainment, controlling runoff, preventing depletion of ground water supplies and substantial interference with surface waterflow, encouraging waste water reclamation, maintaining natural vegetation buffer areas that protect riparian habitats, and minimizing alteration of natural streams.	
PRC Section 30232 ***Oil and hazardous substance spills***	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
Protection against the spillage of crude oil, gas, petroleum products, or hazardous substances shall be provided in relation to any development or transportation of such materials. Effective containment and cleanup facilities and procedures shall be provided for accidental spills that do occur.	
PRC Section 30240 *Environmentally sensitive habitat areas; adjacent developments* (a) Environmentally sensitive habitat areas shall be protected against any significant disruption of habitat values, and only uses dependent on those resources shall be allowed within those areas. (b) Development in areas adjacent to environmentally sensitive habitat areas and parks and recreation areas shall be sited and designed to prevent impacts which would significantly degrade those areas and shall be compatible with the continuance of those habitat and recreation areas.	
CAP Environmentally Sensitive Habitats, Coastal Dunes Policies <u>Section 4.2.9 Environmentally Sensitive Habitats (ESHA), North Coast</u> B.4 Criteria set forth in the adopted Coastal Commission's "Statewide Interpretive Guidelines for Wetlands and Other Environmentally Sensitive Wet Habitats" will be used in evaluating projects in [creek] corridors. (*North and South Coast Subarea Policy only)* <u>Section 4.3.10 Environmentally Sensitive Habitats Areas (ESHA), Central Coast</u> A.2 Activities leading to degradation, erosion or destruction of coastal dunes will not be allowed. This includes, but is not limited to, use by off-road vehicles, sand mining, filling, or dumping. B.1 All projects on land either in a designated wetland, or within 100 feet of such designation, shall be sited and designed to prevent impacts which would significantly degrade the viability of the wetland. The purposes of such projects shall be limited to those in Section 30233(a) of the Coastal Act. B.4 Habitat mitigation will include, but not be limited to, timing of the project to avoid disruption of breeding and/or nesting of birds and fishes, minimal removal of native vegetation, reclamation	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
or enhancement as specified in the California Coastal Commission "Interpretive Guidelines for Wetlands" and a plan for spoils consistent with the following policy.	
CAP Environmentally Sensitive Habitats, Creek Corridors and Wetlands Policies <u>Section 4.4.10 Environmentally Sensitive Habitats Areas (ESHA)</u> B.1 Applicant for any coastal project, including shoreline protective devices, will show that their proposal will not cause long-term adverse impacts on beach or intertidal areas. Impacts include, but are not limited to, destruction of the rocky substrate, smothering of organisms, contamination from improperly treated wastewater or oil, and runoff from streets and parking areas. Findings to be made will include, but not be limited to, proper wastewater disposal. C.2 All projects on land either in a stream or creek corridor or within 100 feet of such corridor (buffer area), shall be sited and designed to prevent impacts which would significantly degrade riparian habitats, and shall be compatible with the continuance of such habitats.	
Subject: Land Use & Development	
PRC Section 30244 *Archaeological or paleontological resources* Where development would adversely impact archaeological or paleontological resources as identified by the State Historic Preservation Officer, reasonable mitigation measures shall be required.	**Consistent**. All oil and gas exploration and development CUPs are required to be consistent with the following land use and development policies in the Coastal Act and the CAP. However, currently, there is limited opportunity for the County to re-evaluate approved projects to address

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
PRC Section 30250 *Location, existing developed area* (a) New residential, commercial, or industrial development, except as otherwise provided in this division shall be located within, contiguous with, or in close proximity to, existing developed areas able to accommodate it or, where such areas are not able to accommodate it, in other areas with adequate public services and where it will not have significant adverse effects, either individually or cumulatively, on coastal resources. In addition, land divisions, other than leases for agricultural uses, outside existing developed areas shall be permitted only where 50 percent of the useable parcels in the area have been developed and the created parcels would be no smaller than the average size of surrounding parcels. (b) Where feasible, new hazardous industrial development shall be located away from existing developed areas. Visitor-serving facilities that cannot be feasibly located in existing developed areas shall be located in existing isolated developments or at selected points of attraction for visitors.	potential environmental or regulatory changes that may occur over time. The proposed amendments would allow the County to periodically analyze oil and gas exploration and development CUPs for consistency with all applicable land use and development CAP policies and CZO provisions that may exist at the time of permit renewal, including any new or modified provisions; and conduct an evaluation at the time of proposed permit renewal (or permit denial) to determine whether any new permit conditions are warranted to address and mitigate environmental and other potential adverse impacts, or whether such operations should continue. In addition, the proposed amendments would allow the County to increase the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance and incorporate measures to assure additional funding for plugging and abandonment of oil and gas wells that have been idle for 15 years or more, in accordance with State law. As stated in the staff report for this item, the County's and State's current surety and insurance requirements are likely not adequate to cover permit noncompliance, well abandonment, and site restoration. The proposed amendments provide additional financial assurance for these instances, which would help to ensure continued protection of, and help to prevent adverse impacts to, important coastal resources. Further, improperly abandoned and restored oil well sites and facilities can render land unusable, so ensuring proper abandonment and restoration will benefit future county land use and development.
PRC Section 30251 *Scenic and visual qualities* The scenic and visual qualities of coastal areas shall be considered and protected as a resource of public importance. Permitted development shall be sited and designed to protect views to and along the ocean and scenic coastal areas, to minimize the alteration of natural land forms, to be visually compatible with the character of surrounding areas, and, where feasible, to restore and enhance visual quality in visually degraded areas. New development in highly scenic areas such as those designated in the California Coastline Preservation and Recreation Plan prepared by the Department of Parks and Recreation and by local government shall be subordinate to the character of its setting.	
PRC Section 30255 *Priority of Coastal-Dependent Developments* Coastal-dependent developments shall have priority over other developments on or near the shoreline. Except as provided elsewhere in this division, coastal-dependent developments shall not be sited in a wetland. When appropriate, coastal-related developments should be accommodated within reasonable proximity to the coastal-dependent uses they support.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
PRC Section 30260 ***Location or expansion*** Coastal-dependent industrial facilities shall be encouraged to locate or expand within existing sites and shall be permitted reasonable long-term growth where consistent with this division. However, where new or expanded coastal-dependent industrial facilities cannot feasibly be accommodated consistent with other policies of this division, they may nonetheless be permitted in accordance with this section and Sections 30261 and 30262 if (1) alternative locations are infeasible or more environmentally damaging; (2) to do otherwise would adversely affect the public welfare; and (3) adverse environmental effects are mitigated to the maximum extent feasible.	
PRC Section 30261 ***Tanker facilities; use and design*** Multicompany use of existing and new tanker facilities shall be encouraged to the maximum extent feasible and legally permissible, except where to do so would result in increased tanker operations and associated onshore development incompatible with the land use and environmental goals for the area. New tanker terminals outside of existing terminal areas shall be situated as to avoid risk to environmentally sensitive areas and shall use a monobuoy system, unless an alternative type of system can be shown to be environmentally preferable for a specific site. Tanker facilities shall be designed to (1) minimize the total volume of oil spilled, (2) minimize the risk of collision from movement of other vessels, (3) have ready access to the most effective feasible containment and recovery equipment for oil spills, and (4) have onshore de-ballasting facilities to receive any fouled ballast water from tankers where operationally or legally required.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
PRC Section 30262 *Oil and gas development* a) Oil and gas development shall be permitted in accordance with Section 30260, if the following conditions are met: (1) The development is performed safely and consistent with the geologic conditions of the well site. (2) New or expanded facilities related to that development are consolidated, to the maximum extent feasible and legally permissible, unless consolidation will have adverse environmental consequences and will not significantly reduce the number of producing wells, support facilities, or sites required to produce the reservoir economically and with minimal environmental impacts. (3) Environmentally safe and feasible subsea completions are used when drilling platforms or islands would substantially degrade coastal visual qualities unless use of those structures will result in substantially less environmental risks. (4) Platforms or islands will not be sited where a substantial hazard to vessel traffic might result from the facility or related operations, determined in consultation with the United States Coast Guard and the Army Corps of Engineers. (5) The development will not cause or contribute to subsidence hazards unless it is determined that adequate measures will be undertaken to prevent damage from such subsidence. (6) With respect to new facilities, all oilfield brines are reinjected into oil-producing zones unless the California Geologic Energy Management Division (CalGEM) determines to do so would adversely affect production of the reservoirs and unless injection into other subsurface zones will reduce environmental risks. Exceptions to reinjections will be granted consistent with the Ocean Waters Discharge Plan of the State Water Resources Control Board and where adequate provision is made for the elimination of petroleum odors and water quality problems.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
(7) (A) All oil produced offshore California shall be transported onshore by pipeline only. The pipelines used to transport this oil shall utilize the best achievable technology to ensure maximum protection of public health and safety and of the integrity and productivity of terrestrial and marine ecosystems. (B) Once oil produced offshore California is onshore, it shall be transported to processing and refining facilities by pipeline. (C) The following guidelines shall be used when applying subparagraphs (A) and (B): (i) "Best achievable technology," means the technology that provides the greatest degree of protection taking into consideration both of the following: (I) Processes that are being developed, or could feasibly be developed, anywhere in the world, given overall reasonable expenditures on research and development. (II) Processes that are currently in use anywhere in the world. This clause is not intended to create any conflicting or duplicative regulation of pipelines, including those governing the transportation of oil produced from onshore reserves. (ii) "Oil" refers to crude oil before it is refined into products, including gasoline, bunker fuel, lubricants, and asphalt. Crude oil that is upgraded in quality through residue reduction or other means shall be transported as provided in subparagraphs (A) and (B). (iii) Subparagraphs (A) and (B) shall apply only to new or expanded oil extraction operations. "New extraction operations" means production of offshore oil from leases that did not exist or had never produced oil, as of January 1, 2003, or from platforms, drilling island, subsea completions, or onshore drilling sites, that did not exist as of January 1, 2003. "Expanded oil extraction" means an increase in the geographic extent of existing leases or units, including lease boundary adjustments, or an increase in the number of well heads, on or after January 1, 2003. (iv) For new or expanded oil extraction operations subject to clause (iii), if the crude oil is so highly viscous that pipelining is determined to be an infeasible mode of transportation, or where there is no feasible access to a pipeline, shipment of crude oil may be permitted over land by other modes of transportation, including trains or trucks, which meet all applicable rules and regulations, excluding any waterborne mode of transport.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
Section 4.2.3 – (North Coast); Section 4.4.3 – (South Coast) - Agriculture 1. Soils will be conserved, and erosion minimized by the use of best grading management practices as set forth by the Soil Conservation Service.	
Section 4.2.5 – (North Coast); Section 4.3.6 – (Central Coast); Section 4.4.6 (South Coast) – Energy and Industrial Facilities D.3. All surface activities, including those regulated by CalGEM related to the development of onshore oil and gas resources in the coastal zone are considered to be projects that require a Conditional Use Permit (CUP) and a Coastal Development Permit. Both permits will be issued simultaneously through one CUP process. See the Coastal Zoning Ordinance (including, but not limited to Section 8175-8.7) for a list of standard oil development design and operational criteria applied to all new permits for expanded or new oil activities. Additional conditions may be required depending on the specific request and the location. D. 13. Owners/operators shall notify both the County of Ventura Planning Division and any other designated affected State agencies (e.g., CalGEM, CSFM, SLC, LARWQCB) of any intent to decommission and/or remove any pipelines and/or facilities. Upon completion of pipeline construction or removal of pipelines and/or facilities, the site shall be restored to the approximate previous grade and condition. Upon removal or decommissioning of pipelines and/or facilities, an assessment of the surrounding soils shall be conducted by a qualified licensed expert, e.g., a licensed geologist or registered professional civil engineer, to determine whether or not those soils are contaminated. If the soils are found to be contaminated, a soil remediation plan delineating the method and timing of remediation shall be prepared and submitted to the County Planning Division and the Los Angeles Regional Water Quality Control Board for their review and approval. All excavated materials shall be replaced in reverse order with topsoil replaced at grade level and compacted if necessary. All sites previously covered with native vegetation shall be re-seeded with the same or recovered with the previously removed vegetation materials and shall include other measures as deemed necessary to prevent erosion until the vegetation can become established.	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
D.20. Upon decommissioning of off-shore facilities that contain on-shore facilities and/or pipelines (or "components"), a phasing plan shall be submitted delineating the timeline for disposition of the on-shore facilities. D.21 Coastal Act sections 30101, 30101.3, 30255, and 30260, will be used as the criteria by the County to determine, on a case-by-case basis, whether onshore or offshore oil and gas development and an energy-related industrial facility supporting such development is defined as "coastal-dependent development" or "coastal-related development", based on the specific geographic, technological, and economic characteristics of the project being proposed.	
Subject: Coastal Hazards	
PRC Section 30253 *Minimization of adverse impacts* New development shall do all of the following: (a) Minimize risks to life and property in areas of high geologic, flood, and fire hazard. (b) Assure stability and structural integrity, and neither create nor contribute significantly to erosion, geological instability, or destruction of the site or surrounding area or in any way require the construction of protective devices that would substantially alter natural landforms along bluffs and cliffs. (c) Be consistent with requirements imposed by an air pollution control district or the State Air Resources Board as to each particular development. (d) Minimize energy consumption and vehicle miles traveled. Where appropriate, protect special communities and neighborhoods that. Because of their unique characteristics, are popular visitor destination points for recreational uses.	**Consistent**. All oil and gas exploration and development CUPs are required to be consistent with the following coastal hazard policies in the Coastal Act and the CAP. However, currently, there is limited opportunity for the County to re-evaluate approved projects to address potential environmental or regulatory changes that may occur over time. The proposed amendments would allow the County to periodically analyze oil and gas exploration and development CUPs for consistency with all applicable CAP policies and CZO provisions related to hazards that may exist at the time of permit renewal, including any new or modified provisions; and conduct an evaluation at the time of proposed permit renewal to determine whether any new permit conditions are warranted to address and mitigate hazards and other potential adverse impacts, or whether such operations should continue. In addition, the proposed amendments would allow the County to increase the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance and incorporate measures

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
	to assure additional funding for plugging and abandonment of oil and gas wells that have been idle for 15 years or more in accordance with State law. Based on the evidence included in the record, and as reported by the State of California, long-term idle oil and gas wells can pose environmental hazard risks. As stated in the staff report, the current surety and insurance requirements are likely not adequate to cover permit noncompliance, well abandonment, and site restoration. The proposed amendments provide financial assurance for these instances, which would help to ensure that risks of hazard impacts are avoided or minimized.
<u>Section 4.2.4 - (North Coast); Section 4.3.4 – (Central Coast); Section 4.4.4. (South Coast) - Hazards</u> - New development shall be sited and designed to minimize risks to life and property in areas of high geologic, flood, and fire hazards. (North and Central Coast only) - All new development will be evaluated for its impacts to, and from, geologic hazards (including seismic safety, landslides, expansive soils, subsidence, etc.), flood hazards, and fire hazards. Feasible mitigation measures shall be required where necessary. (North, Central and South Coast) - New development shall be sited and designed so as not to cause or contribute to flood hazards or lead to the expenditure of public funds for flood control works. (North, Central and South Coast) - A landscaping plan for fire and erosion control will be submitted for any new development located in high fire hazard areas. As many native plants as feasible should be used. Information on kinds and sources of these plants are available through the County. (North and South Coast) - The flood plain of the Santa Clara River will be limited to open space of agricultural uses to minimize flood hazard risk. (Central Coast only)	

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
Section 4.4.5 – (South Coast) – Beach Erosion 1. Construction or maintenance of shoreline structures will be limited to only those projects needed to protect existing development, public recreation, and existing roads from beach erosion. (*South Coast Subarea Policy only*)	
Subject: General Coastal Resources	
PRC Section 30001 *Legislative findings and declarations; ecological balance* The Legislature hereby finds and declares: (a) That the California coastal zone is a distinct and valuable natural resource of vital and enduring interest to all the people and exists as a delicately balanced ecosystem. (b) That the permanent protection of the state's natural and scenic resources is a paramount concern to present and future residents of the state and nation. (c) That to promote the public safety, health, and welfare, and to protect public and private property, wildlife, marine fisheries, and other ocean resources, and the natural environment, it is necessary to protect the ecological balance of the coastal zone and prevent its deterioration and destruction. (d) That existing developed uses, and future developments that are carefully planned and developed consistent with the policies of this division, are essential to the economic and social well-being of the people of this state and especially to working persons employed within the coastal zone.	**Consistent**. All Conditional Use Permits (CUPs) for oil and gas exploration and development are required to be consistent with the general coastal resource policies of the Coastal Act. Currently, however, there is limited opportunity for the County to re-evaluate approved projects to address potential environmental or regulatory changes that may occur over time. The proposed amendments would ensure protection of the state's natural resources and to promote public safety, health and welfare to project public and private property, wildlife, marine and other ocean resources over time by allowing the County to periodically analyze oil and gas exploration and development CUPs for consistency with all applicable CAP policies and CZO provisions that may exist at the time of permit renewal or permit denial, including any new or modified public access and recreation provisions. In addition, increasing the amount of compliance/site restoration surety and insurance from what is currently required by County ordinance, and incorporating measures to assure additional funding for proper plugging

Coastal Zoning Ordinance Amendment Findings	
California Coastal Act (CCA) or Coastal Area Plan (CAP) Policy	**Consistency Discussion**
	and abandonment of oil and gas wells that have been idle for 15 years or more in accordance with State law, will lessen the likelihood of adverse impacts to public access and recreation resulting from operator(s) that may be unavailable or unwilling to address such issues.

Ventura County Noncoastal Zoning Ordinance and Coastal Zoning Ordinance Amendments: Basis for Amendments and California Environmental Quality Act Categorical Exemption

Prepared for: Ventura County Resource Management Agency

July 28, 2022

County of Ventura
Planning Commission Hearing
PL21-0099 and PL21-0100
Exhibit 8 - Analysis supporting California Environmental Quality Act exemption

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SECTION 1 Introduction

The County of Ventura's (County) proposed project is comprised of ordinances amending the Ventura County Non-Coastal Zoning Ordinance (NCZO; Section 8107-5 – Oil and Gas Exploration and Production) and the Coastal Zoning Ordinance (CZO; Section 8175-5.7 - Oil and Gas Resources and Related Industrial Development). If approved by the Board of Supervisors, the ordinance amendments would update the County's oil and gas zoning ordinance provisions as follows:

(1) New and extended conditional use permits (CUPs) for oil and gas operations would be granted for a maximum duration of fifteen years at a time, excluding restoration activities;

(2) The amount of the oil and gas permit site restoration and well abandonment surety, and insurance requirements, would be increased; and

(3) Wells that have been idle for 15 years or longer would be subject to a supplemental surety.

This document provides the technical basis for the ordinance amendments, a description of the process and data used to draft the ordinance amendments, and compliance with the California Environmental Quality Act (CEQA) through a determination that the project is categorically exempt from CEQA review.

SECTION 2 Process and Analysis Supporting Ordinance Amendments

The technical basis for each of the ordinance amendments is described in this section.

2.1 New and extended conditional use permits for oil and gas operations would be granted for a duration of fifteen years, excluding restoration activities

The NCZO and CZO do not currently stipulate a maximum or minimum CUP duration for oil and gas projects, and duration is therefore at the discretion of the Planning Division and/or Board of Supervisors on a case-by-case basis. As directed by the Board of Supervisors, the County is proposing to incorporate a 15-year maximum permit duration on CUPs approved for all new and extended oil and gas projects. Under the proposed revisions, an operator of an existing 15-year CUP would be allowed to apply for a new discretionary 15-year CUP for the same project prior to expiration of the initial CUP and, if approved, be allowed to continue project operations. No limit to the total number of sequential 15-year CUPs is proposed. New discretionary 15-year CUPs would be required for the continuation of operations permitted under the existing 15-year CUP, regardless of whether the operator proposes changes to its operations. Permits previously granted without expiration dates (which have been referred to as "antiquated" or "legacy" permits), will not be subject to the proposed 15-year maximum CUP term because under the County's existing zoning ordinances, the permits do not expire and thus do not require a discretionary renewal.

2.2 Increasing the amount of the oil and gas permit compliance/site restoration surety and insurance

As codified in NCZO Sec. 8107-5.6.5 and CZO Sec. 8175-5.7.8, the County currently requires a bond of not less than $10,000 bond for every well drilled or a blanket bond of not less than $10,000 for all wells drilled by each operator in unincorporated Ventura County. The purpose of the bond, also called a surety or security, is to provide a financial guarantee that the operator will fulfill and perform all terms and provisions in the CUP. As such, the bond establishes funds for surface demolition/removal of structures and restoration of well sites and the oil field in the event that the operator is unable or unwilling to fulfill these requirements at the end of operations (known as "failure to act"). The County's current bonding requirements are not dependent on the size of the oil field, the number of wells, or the number and type of other surface infrastructure[1] that may require demolition, removal, and restoration.

As shown in this section, the current bond requirement does not provide adequate protection for the County from operator bankruptcy or failure to act. These bonding requirements have never been revised. In addition, the County does not have a process to adjust for risk factors unique to each site

[1] Such infrastructure may include storage tanks, water treatment, gas separation and treatment, waste storage areas, pipelines, and appurtenant infrastructure to these major types.

such as number of wells, number and type of other infrastructure[2], well age, well depth, methods of operation, operator history, and proximity to residents and sensitive environmental sites.

Oil and gas operations pose risks during operation and at end of field life that can impact environmental quality. Several southern California municipalities have comparable operational surety bond requirements to the County, while jurisdictions such as Culver City, Santa Fe Springs, and Carson have provisions in place to determine the appropriate level of bonding that is needed on a case-by case basis (Table 1). The City of Carson requires its Petroleum Administrator to reassess each bond requirement every five years to determine whether the amount is sufficient to cover any abandonment or remediation costs.

Similarly, in the County of Los Angeles, the Inglewood Oil Field operates under the Baldwin Hills Community Services District (CSD), which has distinct rules and regulations from other wells in the unincorporated county. The LA County CEO determines the appropriate insurance and bonding requirements for wells that operate within the Baldwin Hills CSD, and the County may conduct a review of these amounts at any time. The County of LA has also recently drafted proposed zoning ordinance changes for the unincorporated area not including the Baldwin Hills CSD that would require a bond, determined by the Director "*based on the site and existing operations, including the total number of wells, operations, size, and nature of the operations on the property, and other relevant conditions related to the existing site operations*" and not less than $152,00 per well.[3] This proposed ordinance revision was approved by the County Regional Planning Commission on June 8, 2022, and will be voted on by the Board of Supervisors.[4]

[2] *Ibid.*

[3] Los Angeles Department of Regional Planning Report to the Regional Planning Commission. May 26, 2022.

[4] Los Angeles Department of Regional Planning Commission Minutes for June 8, 2022 Meeting.

Table 1. Current Oil and Gas Bonding by Jurisdiction

Jurisdiction	Individual Well	Blanket bond
Ventura County	**$10,000**	**$10,000**
City of Los Angeles	$10,000	$50,000
County of Los Angeles (current)	$2,000	$10,000
County of Los Angeles (proposed)	At discretion of the Director, not less than $152,00 per well[1]	
City of Carson	Not less than $10,000/well[2]	
Yolo County	$5,000	
Kern County	None	None
Santa Barbara County	Only required for high risk operations	
San Luis Obispo County	$5,000	$25,000
City of Torrance	$2,000	$10,000
City of Fullerton	$5,000	$25,000
City of Santa Fe Springs	Determined by resolution of City Council or by state law, as applicable	
Orange County	$5,000	$25,000

[1]The Director shall determine the bond amount based on the site and existing or proposed operations, including the total number of wells, operations, size and nature of the operations on the property, and other relevant conditions related to the existing site or proposed operations.

[2]Determined by Petroleum Administrator based on the total number of wells, proposed operations, size and nature of the property, appropriate environmental studies on the property, including a phase I, II or human health risk assessment report and other relevant conditions related to the proposed wells or operations at a specific oil or gas site, and recognized commercial standards.

2.2.1 Surety for Surface Facility Demolition, Removal, and Restoration Liability

2.2.1.1 Method for Site Specific Determination of Surety

Although the current method of surety determination is based on the presence of one or more wells, the number and type of infrastructure that may require restoration is much more diverse. Most oil and gas fields in Ventura County extract oil, natural gas, and saline water[5] from subsurface reservoirs located between 1,000 and 10,000 feet deep. These three intermingled "total fluids" are routed by pipeline to separation tanks[6] that allow separation of crude oil, produced water, and natural gas by density. Natural gas is removed from the top of the tank, processed at an onsite gas plant to purify it, and shipped by pipeline for end use by consumers and industry or transported to area refineries for use in the refining

[5] Known as "produced water" because it is produced from the same formation at the same time as the product oil and natural gas.

[6] Sometimes referred to as free water knockout tanks because they allow separation of oil from water by the density difference of the two fluids.

processes. If natural gas is at insufficient quantity for sale, it is either re-injected into the formation or burned in an onsite flare. Oil is the next layer, and it is removed and then shipped by pipeline to area refineries to be processed into gasoline and other products. Produced water is then removed and typically transported by pipeline to an onsite water treatment plant. Once treated, the water is reinjected into the producing formation to enhance further oil recovery. In some cases, the water is disposed of by injection into non-producing formations or transported by pipeline to a commercial disposal well that injects the water into an oil-bearing formation.

Processing activities at Ventura County oilfields may include the following types of infrastructure:

- Total Fluid Production Gathering and Testing;
- Crude Oil Handling with tanks;
- Water Processing with tanks;
- Water Injection;
- Gas Gathering/Gas Processing; and
- Ancillary Systems.

In the event of failure to act by the oil and gas operator, surface facility demolition and removal and site restoration would be conducted on behalf of another party such as the surface property owner or the California Department of Conservation California Geologic Energy Management Division (CalGEM) in conjunction with its well abandonment process. Such actions usually seek to recycle/reuse as much material as possible, including tanks, aboveground structures, piping, electrical equipment, poles, and wiring, and to provide disposition of equipment, materials, structures, non-hazardous waste, and debris. Given that the resale/salvage value is highly dependent on market conditions at the time of abandonment, this analysis does not quantify this factor, but it could result in a decrease of 50% or higher of the overall physical infrastructure abandonment costs. The equipment used during demolition activities would be task-specific and dependent upon the methods selected by the demolition contractor, but would likely include excavators, loaders, backhoes, cranes, welding/cutting tools, waste hauling trucks, and hand tools. The costs provided in Table 2 are unit cost estimates[7] for the decommissioning and removal of the inventoried equipment and infrastructure. These estimates were based on information obtained from oil field contractors and guidance from current and former oil field operations employees, as well as Catalyst Environmental Solutions staff experience.

There are several methods that could be used for establishing site-specific levels of surety. One is the site-specific unit-cost method as follows:

- Identify number of tanks, structures, and piping to be decommissioned/removed;
- Identifying the number of wells that may require surface remediation and restoration.

For each operator and field, the operator would develop an inventory of each type of equipment and infrastructure. These data may be developed from plot plans for each tank setting (including the Gas Plant and the Water Plant), the process flow diagrams, and aerial photographs for existing

[7] That is, costs per units such as wells, tanks, and other infrastructure.

infrastructure. Next, cost estimates for the removal of the inventoried equipment and infrastructure would be calculated based on the unit cost estimates provided in Table 2.

As the operator removes equipment and restores areas during operations, this method also allows for reducing the amount of surety/bonding required by scaling it to the actual infrastructure at risk.

Table 2. Physical Infrastructure and Equipment Removal Costs

Infrastructure Type	Unit	Removal Cost/Unit ($)
Wells	$/Well	10,000
Oil and Total Fluids Tank Settings		
Small (100 bbl)	$/tank	2,000
Medium (1,000 bbl)	$/tank	9,000
Large (10,000 bbl)	$/tank	60,000
Cogen Generator	$/generator	7,500
Heater Treater	$/heater treater	11,000
Gas Scrubber	$/scrubber	6,000
Water Plant		
Small (500 bbl)	$/tank	2,500
Medium (1,000 bbl)	$/tank	5,000
Large (5,000 bbl)	$/tank	15,000
Compressor	$/compressor	6,000
Gas Plant		
Propane Tank	$/tank	5,400
Scrubbers	$/scrubber	3,000
Flares	$/flare	2,500
Pumps	$/pump	1,200
Compressors	$/compressor	2,200
Lease Automatic Custody Transfer (LACT) Unit	$/LACT Unit	5,400
Large Chemical Tank (3,000 gal)	$/tank	5,000
Medium Chemical Tank (300 gal)	$/tank	3,500
Small Chemical Tank (20 gal)	$/tank	250
Coolers	$/vessel	5,000
Automatic Well Tester (AWT) Settings		
Vessels	$/vessel	4,500
Emulsion/Chemical Tanks	$/tank	3,500

For example, an operator may have 10 oil and gas wells, one large total fluids tank, one medium oil tank, one large water tank, and one flare. The estimated cost to restore the site would be:

(10 x $10,000) + $60,000 + $9,000 + $15,000 + $2,500 = **$184,000.**

Another method is to embed the site-specific unit cost results for typical oil and gas fields of different sizes to establish a blanket level of surety based on the number of wells. This method provides a more streamlined approach for determining level of surface restoration surety. Based on the unit costs provided in Table 2 and accounting for economies of scale, the County is amending the CZO and NCZO to include the surface restoration surety amounts presented in Table 3.

Table 3. Ordinance Amendment Surface Restoration Surety Amounts

Total Number of Active/Idle Wells per Operator	Surface Restoration Surety
1-5	$100,000
6-10	$185,000
11-20	$300,000
21-50	$500,000
51-100	$1 million
101-200	$3 million
201-400	$5 million
≥401	$10 million

The annual cost of the surety bond to the operator is approximately 2 to 4% of the total surety amount. For example, the annual costs to an operator required to provide a $300,000 surety would range from $6,000 to $12,000.

Other state agencies also collect fees or require surety for specific liabilities (discussed below in Section 2.2.1.2). The surety calculated by this method for the County does not duplicate these other bonding requirements.

2.2.1.2 Other State and Federal Security Requirements

The following state and federal agencies require bonding for oil and gas operations:

- CalGEM requires individual well indemnity bonds based on the depth of the well (less than or greater than 10,000 feet deep). In lieu of individual bonds, it also allows blanket bonds based on the number of wells an operator owns in the state.
- The California Department of Fish and Wildlife's (CDFW) Office of Spill Prevention and Response (OSPR) is the primary agency in California with regulatory oversight to prevent and respond to oil spills in marine and inland surface waters in the state. Upon review of financial responsibility demonstration, CDFW issues a Certificate of Financial Responsibility, which is reviewed annually and renewed every two years. CDFW is now considering potential revisions to these financial requirements.

- Under CCR Title 5 Division 1, Part 1 Chapter 5.5 - The Elder California Pipeline Safety Act of 1981, the State Fire Marshal exercises exclusive safety regulatory and enforcement authority over intrastate hazardous liquid pipelines and may act as agent for the United States Secretary of Transportation to implement federal hazardous waste and pipeline safety regulations to portions of interstate pipelines within the state.
- The Bureau of Land Management (BLM) is responsible for issuing leases for private entities to develop oil and gas resources on roughly 700 million acres of BLM land, other federal agencies' land, and private land where the federal government owns the mineral rights. In 2018, the BLM oversaw private entities operating over 96,000 oil and gas wells on leased federal lands.

The bonding amounts required by these agencies is summarized in Table 3.

Table 3. State and Federal Oil and Gas Bonding Requirements

CalGEM	CDFW OSPR (spills)	Office of State Fire Marshal (pipelines)	BLM (wells federal land)
Individual well indemnity bond: • $25,500 for well <10,000 ft deep • $40,000 for well ≥10,000 ft deep Blanket indemnity (>20 wells) • $200,000 for <50 wells • $400,000 for 51-500 wells • $2M for 501-10,000 wells • $3M for >10,000 wells	Certificate of Financial Responsibility: Inland Facility – • Risk to ephemeral waters - $6,000 x Reasonable Worst Case Scenario[1] • Risk to perennial waters - $10,000 x Reasonable Worst Case Scenario • Maximum $100M	Annual fees: • $6,000 pipeline operator; • $550 (intrastate) or $300 (interstate)/mile of pipeline operated	• Individual lease bond: $10,000 for all wells on an individual lease • Statewide bond: $25,000 for all wells in a state • Nationwide bond: $150,000 for all wells

[1] Reasonable worst-case spill formulas for facilities are based on linefill capacities, transfer rates, discovery and shut off time for pipelines, 10% of daily production rate of largest-producing well for production facilities and speed/volume factors for a railroad.

2.2.2 Surety for Well Subsurface Plugging and Abandonment Liability

When a well is no longer producing, timely and proper plugging and abandonment is essential for preventing methane leakage and groundwater contamination. The cost of permanently plugging and abandoning a well includes surface and subsurface activities. Briefly, the wellbore is plugged with cement, the wellhead is then removed, and the surface casing is cut off, sometimes above the surface so the well can be easily marked, and sometimes below the depth of a plow (typically around three feet) to ensure that the well does not interfere with surface and agricultural operations.

Surface restoration, which is what the County regulates in consultation with CalGEM, includes removing surface equipment, emptying and reclaiming pits, disposing of all waste, and restoring surface conditions to pre-well conditions through activities such as recontouring or revegetation as necessary. These costs are addressed in the method for determining the surface restoration surety in the previous section. This section evaluates the subsurface cost liability for plugging and abandoning orphan wells.

CalGEM is the state agency responsible for the subsurface components of plugging and abandoning orphan wells or wells for which the operator fails to act. An orphan well is a well that has no solvent party responsible for it, leaving the state to plug it.[8] The number of orphan wells in the state is such that this liability is potentially very large; much larger than the amount that CalGEM requires from operators to address this risk. Accordingly, the state has implemented two approaches to reduce this risk:

1. Implement an Idle Well Management Program, which requires operators to inventory and expeditiously plug and abandon long-term idle wells. The objective is to reduce the number of wells that may become orphan by substantially increasing the rate of well abandonment that solvent operators must complete per year.
2. Increase bonding requirements and remediation budget to increase the state's fund to address orphan wells to the scale of the liability. The State Legislature has also made one-time contributions to these funds.

These steps are not sufficient to cover costs associated with plugging and abandonment of orphan wells in Ventura County, as detailed below. In this section, we first describe the different state programs that address risks posed by orphan wells, including spill risks. We next provide a basis for the County requiring additional bonding for the potentially unfunded liability posed by orphan wells. This discussion is placed separate from the determination of surety based on the number and type of equipment at an oil and gas field, because it would be triggered by two separate liabilities: failure to act on the part of the operator (which could include bankruptcy or inability to identify the former operator of an orphan well), and failure to act on the part of CalGEM due to insufficiency of funds or other considerations.

Based on the information provided in Section 2.2.2.2 below, the County estimates that plugging and abandonment costs for a well in Ventura County would average $143,300 (see Table 9). To bridge the gap in unfunded liability for orphaned oil and gas wells, the County is proposing a $36,000 surety for each active and idle oil well in Ventura County (25 percent of $143,300), with a not-to-exceed amount of $5 million per operator.

The scale of potential liability posed by orphan and potentially orphan wells in Ventura County is large. There are currently 8,690 wells related to oil and gas operations in Ventura County identified by the CalGEM Well Statewide Tracking and Reporting (WellSTAR) Data Dashboard[9] (Table 4).

[8] Public Resources Code, § 3206.3, subd. (a)(1)(C). CalGEM's determination that a well is orphaned is a multi-step process that requires CalGEM to determine whether the well has been deserted by the operator and whether there is a solvent entity responsible to plug the well.

[9] CalGEM WellSTAR Data Dashboard. https://www.conservation.ca.gov/calgem/Online_Data/Pages/WellSTAR-Data-Dashboard.aspx. June 1, 2022.

Table 4. Oil and Gas Wells in Ventura County

Well Type	Count
Oil & Gas	6,184
Dry Hole	1,262
Waterflood	789
Water Disposal	132
Injection	120
Multi-purpose	62
Core Hole	42
Cyclic Steam	38
Water Source	34
Unknown	11
Observation	9
Dry Gas	5
Steamflood	2
Total	**8,690**[10]

Of these wells, just over half (4,396 wells) are plugged and abandoned and just under 20% (1,679 wells) are active[11]. There are approximately 2,267 idle wells in Ventura County, of which 1,520 are considered long-term idle wells (i.e., wells that have been idle for longer than eight years)[12] (Figure 1).

[10] This total contains 249 cancelled wells, which means the permits were cancelled before the wells were drilled.
[11] CalGEM WellSTAR Data Dashboard. https://www.conservation.ca.gov/calgem/Online_Data/Pages/WellSTAR-Data-Dashboard.aspx. June 1, 2022.
[12] CalGEM. 2022. 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.

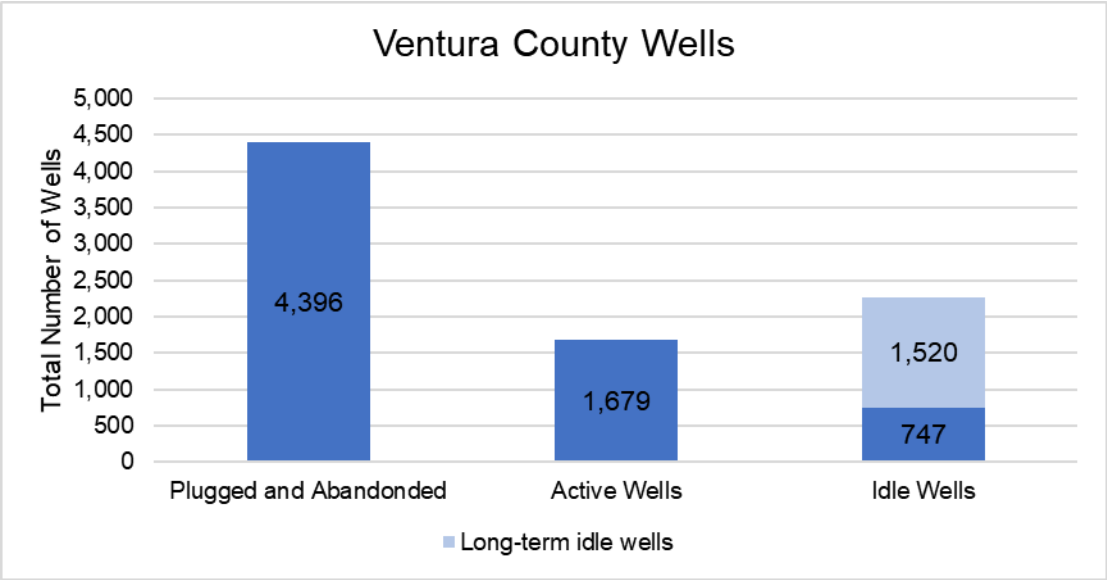


Figure 1. Status of Oil and Gas Wells in Ventura County

The following discussion describes existing state programs that address plugging and abandonment liability (including spills and pipelines), followed by a description of the potentially unfunded liability for such plugging and abandonment, and potential options for addressing this financial and environmental risk.

2.2.2.1 California Geologic Energy Management Division (CalGEM)

CalGEM is mandated by the California Laws for the Conservation of Petroleum and Gas (Division 3, starting with Chapter 1, starting with Section 3000) and California Code of Regulations (CCR) Title 14, Division 2, Chapters 2 and 4 to supervise the drilling, operation, maintenance and abandonment of oil, gas and geothermal wells within California. CCR Title 14 § 1723[13] describes requirements for plugging and abandonment and inspection of plugging and abandonment operations.

2.2.2.1.1 Assembly Bill 2729 (Williams, 2016)

AB 2729 updated indemnity bond requirements for operators when they drill, re-drill, deepen, or permanently alter any well or any operator who acquires a well. This bond is intended to address CalGEM's liability to properly plug and abandon wells that are orphaned by operator bankruptcy or failure to act. An operator must file with CalGEM a bond of $25,000 for a well less than 10,000 feet deep and $40,000 for each well that is 10,000 or more feet deep. Alternatively, if an operator operates multiple wells in the state, it can file a blanket indemnity bond based on the number of wells it owns, as shown in Table 5. The bonds are not released until the well is properly plugged and abandoned.

[13] CCR Title 14 Chapter 4, Article 3, Section 1723 – Plugging and Abandonment.

Table 5. CalGEM Blanket Bonds

# of Wells in the State	Bond Amount
50 or fewer	$200,000
51-500	$400,000
501-10,000	$2,000,000
More than 10,000	$3,000,000

AB 2729 also increased idle well fees based on the amount of time a well has been idle (Table 6). Under the law, an operator of an idle well must pay an annual fee or file an Idle Well Management Plan, which outlines the operator's plan to manage and eliminate (i.e., either plug and abandon or bring back into production) their idle wells. The idle well fees are paid into the Hazardous and Idle-Deserted Well Abandonment Fund (HIDWAF), which CalGEM uses to plug and abandon orphan wells and plug and/or decommission hazardous wells or production facilities. The funds from the HIDWAF are in addition to those granted under CalGEM's annual expenditure authority for plugging and abandoning wells, which increased to $5 million per fiscal year beginning in 2022-2023 in accordance with the recently passed SB 47 (discussed in Section 2.2.2.1.4 below).

Table 6. CalGEM Annual Idle Well Fees

Years Idle	Annual Fee/Well
3 – 7	$150
8 – 14	$300
15 – 19	$750
20 or more	$1,500

If operators choose to file an Idle Well Management Plan instead of paying the idle well fees, operators must eliminate their long-term idle wells as follows: operators with 250 or fewer idle wells must eliminate 4% of their long-term idle wells each year, operators with 251 to 1,250 idle wells must eliminate 5% of their long-term idle wells, and operators with more than 1,250 idle wells must eliminate 6% of their long-term idle wells each year.

2.2.2.1.2 CalGEM Idle Well Management Program Report

In accordance with AB 2729, CalGEM is required to present an annual report to the Legislature regarding the status of idle and long-term idle wells in California. CalGEM has presented two reports thus far: one in 2019 representing data from January 1 – December 31, 2018[14], and one in 2021 representing data

[14] CalGEM. 2019. Idle Well Program Report on Idle and Long-term Idle Wells in California. Reporting Period: January 1, 2018 to December 31, 2018 Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. of 2016). July 1.

from January 1 – December 31, 2019[15]. Statewide and Ventura County data from the 2019 report are summarized in Table 7 and described further below.

Table 7. CalGEM Idle Well Management Report Summary

	Statewide	Ventura County
Idle Wells	37,095	2,260*
Long-term Idle Wells	17,560	1,519*
Idle Wells Plugged and Abandoned	1,927	33
Idle Wells Returned to Active Use	690	48
Idle Wells Eliminated under IWMPs	543	N/A
Number of Orphan Wells	24	0
Potentially deserted wells	3,265	439

* These data are from 2019 and are therefore slightly different than the number of wells discussed at the beginning of this section and shown in Figure 1.

CalGEM collected $4,199,550 in idle fees in 2019. Of the 61 operators with approved IWMPs in 2019, 50 operators were in compliance with their IWMPs. Five operators voluntarily voided their 2019 IWMPs and filed idle well fees instead. CalGEM canceled the IWMPs of six operators due to failure to comply with the terms of their approved IWMPs. Two of these operators paid the idle well fees owed, and CalGEM is pursuing enforcement action against the remaining three operators. Of these, one operator, Thompson Oil Co., operates in Ventura County. A fourth operator also failed to pay the required idle well fees; however, the operator is currently in bankruptcy. CalGEM filed a Proof of Claim with the bankruptcy court for the outstanding idle well fees.

Of the 279 operators to whom CalGEM sent idle well fee invoices, CalGEM identified 176 operators that failed to file idle well fees for 1,057 idle wells in 2019. CalGEM will be pursuing enforcement action against those operators.

CalGEM has not released an Idle Well Management Plan Report in 2022.

2.2.2.1.3 AB 1057 (Limón, 2019)

AB 1057 authorizes CalGEM to require an operator filing an individual or blanket indemnity bond to provide an additional amount of security based on the CalGEM's evaluation of the risk that the operator will desert its well or wells and the potential threats the operator's well or wells pose to life, health, property, and natural resources. The amount cannot exceed the lesser of the division's estimation of the reasonable costs of properly plugging and abandoning all of the operator's wells and decommissioning any attendant production facilities, or $30,000,000.

The bill also gives CalGEM the authority to track and trace the ownership of wells and facilities with greater accuracy to enable it to take enforcement actions against the appropriate operators. A key

[15] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019 to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).

impact of these track and trace provisions is better enforcement of SB 2007 (Costa), enacted in 1996, which makes oil producers jointly liable for plugging and abandonment costs. Under SB 2007, if a well is deserted but the operator cannot pay for the costs of plugging and decommissioning, CalGEM can pursue operators that owned the well as far back as January 1, 1996 for plugging and abandonment costs.

2.2.2.1.4 Senate Bill 47 (Limón, 2021)

SB 47, signed by the Governor on September 23, 2021, amends Section 3258 of the Public Resources Code. Beginning with the 2022–23 fiscal year, the bill raises the cap on CalGEM spending for purposes related to hazardous wells[16], idle-deserted wells, hazardous facilities, and deserted facilities from $1 million to $5 million in any one fiscal year.

2.2.2.1.5 Assembly Bill 896 (Bennett, 2021)

AB 896, signed by the Governor on October 8, 2021, amends Section 3206.3 of, and add Sections 3239 and 3243 to, the Public Resources Code. This bill would authorize CalGEM to impose a claim and lien upon the real property in the state owned by the operator or responsible party of an oil or gas well and attendant facility under specified conditions and in specified amounts. The bill would require the CalGEM Supervisor, on or before July 1, 2022, to establish a collections unit within the division to be responsible for: (1) collection of unpaid idle well fees from an operator, (2) establishing the timelines and criteria for determining if a well has been deserted, and (3) locating or collecting any costs from the operator or responsible party for a well that has been deserted or ordered to undergo well integrity testing or to be plugged and abandoned by the supervisor.

The bill would also require CalGEM's annual idle well report to include the following components:

- the number of operators and amounts of idle well fees collected by the collections unit in the preceding year,
- the criteria, including timelines, used by the collections unit to determine a well or attendant facility is deserted, and
- the amount of costs recovered from operators or responsible parties for work ordered by the supervisor or undertaken by the division.
- the number of wells and facilities eligible to be subject to a lien,
- the number of liens placed by the supervisor, and
- the number of liens released by the supervisor.

2.2.2.1.6 Senate Bill 84 (Hurtado, 2021)

SB 84, signed by the Governor on October 9, 2021, amends Sections 3206.3, 3237, and 3258 of the Public Resources Code. The bill requires CalGEM, by July 1, 2022, to provide the Legislature with a report

[16] A hazardous well is an oil and gas well determined by the CalGEM supervisor to be a potential danger to life, health, or natural resources and for which there is no operator determined by the supervisor to be responsible for its plugging and abandonment under Section 3237. Public Resources Code Section 3251.

detailing the process the supervisor has established to determine that the current operator of a deserted well does not have the financial resources to fully cover the cost of plugging and abandoning the well or the decommissioning of deserted production facilities, or for a previous operator. The report due on July 1, 2022 and those thereafter, will have to identify idle wells by the American Petroleum Institute identification number that are registered to an operator and that have met the definition of an idle well for three years where neither the required annual fee has been paid or the well is part of a valid IWMP.

The bill also requires CalGEM to report the location of hazardous wells, idle-deserted wells, deserted facilities, and hazardous facilities remaining, including the county in which they are located, to the Legislature by April 1, 2022, if the information is not otherwise included in the April 1, 2021 report already required by existing law. The bill requires the October 1, 2023 update report required by current law to include the location, including the county, of applicable wells, facilities, and projects identified in the report. The bill requires CalGEM to consider certain information reported to the Legislature when developing criteria for determining the priority of plugging and abandoning hazardous or idle-deserted wells and decommissioning hazardous or deserted facilities to be remediated.

2.2.2.1.7 Governor's 2022-2023 Budget

The Governor's budget proposes $100 million from the General Fund in 2022-23 and $100 million in 2023-24 for CalGEM to plug wells and decommission facilities. The money would be allocated as follows:

- $10 million for a construction management contractor to manage the remediation projects,
- $20 million for a contractor to conduct financial obligations and land ownership research, and
- $160 million for contractors to plug wells and decommission facilities. In addition, the division will use $10 million for department administrative costs.

2.2.2.2 Estimated Subsurface Plugging and Abandonment Costs

2.2.2.2.1 California Council on Science and Technology

The California Council on Science and Technology (CCST) authored a report assessing the state's potential orphan well liabilities in 2018.[17] CCST used costs provided by CalGEM to plug and abandon 86 onshore wells since 2013 to estimate plugging and abandonment costs as shown in Table 8.

[17] California Council on Science and Technology. 2018. Orphan Wells in California: An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells.

Table 8. CCST Estimated Plugging and Abandonment Costs

	Number of Observations	Per Well Abandonment Cost
Minimum Value	1	$1,500
Coastal (incl. Ventura, Santa Barbara, San Luis Obispo counties)	20	$40,000
Inland (incl. Kern County)	17	$47,000
Northern (incl. Yolo County)	32	$51,000
Southern (incl. Los Angeles, San Bernadino, Riverside counties)	17	$152,000
Maximum Value	1	$391,000
Average Value	**86**	**$68,000**

2.2.2.2.2 CalGEM

CalGEM has also published data regarding the cost to the state for plugging and abandoning orphan wells. Table 9 shows the costs that the state has paid to contractors to plug and abandon 50 orphan wells from 2017-2019.[18] CalGEM notes that much of the costs to plug and abandon a well are due to downhole conditions that are not apparent until the plugging and abandonment process begins.

Table 9. CalGEM Estimated Plugging and Abandonment Costs

	Per Well Abandonment Cost
Minimum Value	$63,154
Coastal (incl. Ventura, Santa Barbara, San Luis Obispo counties)	$87,075
Inland (incl. Kern County)	$86,983
Northern (incl. Yolo County)	$98,423
Southern (incl. Los Angeles, San Bernadino, Riverside counties)	$231,052
Maximum Value	$652,367
Average Value	**$143,266.74***

*Average value calculated from well costs provided in CalGEM's Idle Well Program Report Table 2.4-2.

In a recent presentation, CalGEM stated that the average cost to the state to plug and abandon wells since 2011 has been approximately $111,000 per well.[19] They state that costs range from as low as

[18] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019 to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).
[19] CalGEM Oil and Gas State Abandonment Planning. PowerPoint presentation. April 6, 2022.

$14/foot for a well in Kern County if the project goes smoothly to well over $200/foot in an urbanized area with high ancillary costs.[20]

2.2.2.2.3 Ho et al. 2018 - Managing Environmental Liability: An Evaluation of Bonding Requirements for Oil and Gas Wells in the United States

Ho et al. evaluated plugging and abandonment costs for orphan wells in 13 states, including California, and compared them with average bond amounts that operators are required to provide the state.[21] The study found that the "average [plugging and abandonment] expenditures on orphaned wells exceed bond amounts, and therefore revenues collected via bonds are insufficient for the state to cover the cost of plugging orphaned wells under their jurisdiction" and that the disparity between plugging and abandonment costs and bonds "can be exacerbated by the use of blanket bonds". The authors calculated that the average cost of plugging and abandoning wells, not including surface restoration costs, in California was $30,877 in 2014 dollars.[22]

The study also noted that surface restoration costs vary widely, citing three contracts for surface reclamation of wells in Oklahoma that cost $8,000, $17,000, and $58,000. The study did not identify the size of the reclaimed operation or amount of infrastructure removal that was associated with these costs.

2.2.2.2.4 U.S. Government Accountability Office

In a review of the BLM's bonding requirements, the Government Accountability Office identified a low- and high-cost scenario for BLM's reclamation cost for wells throughout the United States whose operators have filed bankruptcy. The low-cost scenario, $20,000 per well, is based on the 25th percentile of average well reclamation costs, and the high-cost scenario, $145,000 per well, is based on the 75th percentile. The report noted that the two scenarios do not encompass the complete range of BLM's well reclamation cost estimates. For example, on the low end, the 5th percentile average was about $15,000, and the lowest average estimate was $3,096. On the high end, the 95th percentile average was about $174,000, and the highest estimate was $603,000.[23]

2.2.2.3 Protecting Against Insufficient Funding for Orphan Well Plugging and Abandonment

Because of the state's regulatory authority, the County is likely preempted from controlling how plugging and abandonment activities are carried out. Nonetheless, the California State Constitution authorizes local governments to "make and enforce within its limits all local, police, sanitary, and other ordinances and regulations not in conflict with general laws [i.e., federal and State]." Further, the Legislature has expressly contemplated and recognized that local governments may require their own

[20] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019 to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).
[21] Jacqueline S. Ho,* Jhih-Shyang Shih, Lucija A. Muehlenbachs, Clayton Munnings, and Alan J. Krupnick. 2018. Managing Environmental Liability: An Evaluation of Bonding Requirements for Oil and Gas Wells in the United States. Environ. Sci. Technol. 2018, 52, 3908−3916.
[22] This average was calculated from a sample size of 113 wells.
[23] United States Government Accountability Office. 2019. Report to Congressional Requesters. Oil and Gas Bureau of Land Management Should Address Risks from Insufficient Bonds to Reclaim Wells. GAO-19-615.

well abandonment sureties (see Pub. Res. Code § 3205.3(c)(8)). As such, providing additional surety/bonding to address the risk of wells becoming idle wells at a rate that would exhaust the state's ability to pay is fiscal policy that does not conflict with state laws.

The City of Los Angeles is also seeking to address this potentially unfunded liability, and provides the following example to illustrate the point[24]:

> *"DOGGR's[25] remediation budget and bond requirements may not be sufficient to cover costs associated with all orphan wells in the City of Los Angeles. DOGGR recently sealed two orphan wells buried under a residential street in an Echo Park neighborhood after receiving complaints from residents about foul odors from leaking gas. The wells were originally drilled before 1903, and DOGGR concluded that they would likely continue to deteriorate without intervention. The total cost of plugging the two wells exceeded $2 million. The City could have been forced to absorb a portion of the cost if DOGGR did not have funds available, or if deserted wells in other areas of the State were a higher priority. This example, though seen as a worst-case scenario, demonstrates the need for financial assurance requirements to reasonably reflect the cost of remediation."*

The underlying goal of requiring a surety bond for plugging and abandoning oil and gas wells is to protect taxpayers from absorbing the cost of remediating a site if an operator is unable to pay. For example, idle oil and gas wells that are no longer in operation present environmental and safety risks. If CalGEM cannot identify the operator of a deserted well, or an operator enters bankruptcy, CalGEM can access funds from its Oil and Gas Environmental Remediation Account to plug and therefore appropriately abandon those "orphan" wells that pose a danger to life, health, water quality, wildlife, or natural resources.

Given the uncertainties related to the actual number of orphan wells in Ventura County, the exact scale of potential liability from orphaned wells in Ventura County is unknown. However, reasonable assumptions can be used to estimate potential liability.

Based on CalGEM data, there are approximately 1,520 long-term idle wells in the County (see Figure 1). CCST estimates that the chance of a well that has been idle for 8 years (the point at which a well is considered a LTIW) returning to production is slightly less than 20%, and this likelihood decreases the longer a well has been idle, to approximately 12.5% for a well that has been idle for 25 years.[26]

CalGEM has not yet identified any orphan wells in the County; however, it has identified 439 wells as potentially deserted or deserted due to the operator's failure to pay idle well fees.[27] Failure to comply with idle well requirements is conclusive evidence of desertion of a well per Public Resources Code § 3206.1. In addition, the Legislature has deemed the following to be credible evidence CalGEM may use for purposes of determining desertion (per Public Resources Code § 3237): the operational history of the

[24] City of Los Angeles. 2018. Review of the City of Los Angeles' Oil and Gas Drilling Sites. Report from the City Controller to the Mayor and City Council.
[25] DOGGR was the previous name of CalGEM.
[26] California Council on Science and Technology. 2018. Orphan Wells in California: An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells.
[27] CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019 to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. Of 2016).

well or production facility, the response or lack of response of the operator to inquiries and requests from CalGEM, the extent of compliance by the operator with the requirements, and other actions. These 439 wells are not considered orphan as CalGEM has not yet made a formal determination of the financial solvency of the current operator or any other party responsible for plugging the well under Public Resources Code § 3237.

As described in the preceding subsections, there is a range of potential plugging and abandonment costs for wells in the state. The average value of $143,300 per well is used herein as it provides the average cost for CalGEM to plug and abandon wells throughout the state based on recent available data.

Using the potential number of orphan wells in the future and considering an average abandonment cost of $143,300 per well (as shown in Table 9), the scale of the liability ranges from $0 considering there are no currently identified orphan wells in the County up to $217.8 million based on 1,520 long-term idle wells. If an average cost for plugging and abandonment is closer to the Coastal district amount ($87,075, shown in Table 9), the upper end of this range would be approximately $132.3 million.

As of June 30, 2020, the HIDWAF account had a balance of over $13 million. The Department of Finance subsequently made a temporary loan of $10 million from that account to the General Fund to address the COVID pandemic.[28] There is currently approximately $8 million in the HIDWAF.[29] Additionally, considering wells throughout the state that are likely orphaned and those that have the highest probability of becoming orphan wells, CCST estimates that the potential liability for the state is approximately $528 million. CalGEM has also recently estimated that the potentially cost to plug and abandon approximately 5,356 currently known orphaned, deserted, and potentially deserted wells statewide is $974 million.[30] The $13 million that CalGEM has is just over 2% or 1%, respectively, of these two estimates of the funds needed to plug and abandon orphan/deserted wells throughout the state.

2.2.3 Insurance for Active Oil and Gas Operations

The County requires liability insurance of not less than $500,000 for one person and $1,000,000 for all persons and $2,000,000 for property damage.[31] The County can initiate legal proceedings to pursue compensation from any operator responsible for an accident that causes harm to public safety or the environment. However, this approach may not be successful in providing funds necessary for remediation because the impacts of a serious incident may render the responsible operator insolvent. In addition, the County would be required to provide the evidence to show an operator was responsible for the accident. One potential strategy is to transfer risk to a third party, through insurance requirements. Because insurers develop policies based on the required coverage amount and level of risk, operators of older drilling sites may be incentivized to invest in site modifications or safety enhancements to drive down monthly insurance costs.

Some other southern California jurisdictions such as Culver City and Simi Valley require all operators of oil and gas wells to maintain general commercial liability insurance. Of particular note is the City of

[28] Office of Senate Floor Analyses. 2021-2022 Session. Senate Third Reading Packet. Wednesday, May 26, 2021. Available online at: https://sfa.senate.ca.gov/sites/sfa.senate.ca.gov/files/packet/trp_052621.pdf.
[29] CalGEM Oil and Gas State Abandonment Planning. PowerPoint presentation. April 6, 2022.
[30] *Ibid.*
[31] NCZO - Sec. 8107-5.6.12 – Insurance and CZO Sec. 8175-5.7.8 – Oil Development and Operational Standards (l.)

Carson, which made significant revisions to its Municipal Code in 2016. Operators of each oil and gas drilling site in Carson are required to maintain liability policies that also name the City of Carson, its officers, officials, agents, and employees as additional insured entities. The specific insurance requirements are outlined in Table 10 below.

Table 10. City of Carson Insurance Requirements of Oil and Gas Well Operators

Insurance Type	Minimum Requirements	Notes
Bodily Injury and Property Damage	$2 million per occurrence $2.5 million in aggregate	Coverage must include premises, operations, blowout or explosion, products, completed operations, blanket contractual liability, underground property damage, underground reservoir (or resources) damage, broad form property damage, independent contractor's protective liability and personal injury
Control of Well	$40 million per occurrence Maximum deductible of $500,000 per occurrence	Only applied during drilling or reworking of a well. Policy shall cover the cost of controlling a well that is out of control, drilling or restoration expenses, and seepage and pollution damage. May be reduced or waived upon finding that the operations will be confined to depths and formations within which there is no substantial risk of loss of well control.
Excess/Umbrella Liability	$25 million	Provides excess coverage for each of the perils insured by the preceding liability insurance policies, except for underground reservoir (or resources) damage.
Environmental Impairment	$2 million per occurrence $2.5 million in aggregate	Coverage shall apply to sudden and accidental pollution conditions resulting from the escape or release of smoke, vapors, fumes, acids, alkalis, toxic chemicals, liquids, oil and gas, waste material, or other irritants, contaminants or pollutants
Commercial Automobile Liability	$1 million per occurrence	
Workers' Compensation	$1 million per occurrence	

Operators of oil and gas wells located in the County are not currently required to maintain insurance policies with provisions for liability other than property or personal injury, such as accidents from well blowouts, oil/chemical spills, or groundwater contamination, all of which are addressed by the City of Carson and are incorporated by reference into these insurance level considerations.

The County has determined the four following insurance types are appropriate to require from oil and gas operators and are reflected in the ordinance amendments:

- General Liability for Oil & Gas Businesses: General Liability, with at least $2,000,000 each occurrence and $4,000,000 general aggregate.
- Control of Well: Control of Well insurance (initial drill or well modification) coverage with a minimum of $10,000,000 per occurrence; it is designed to cover cost of controlling a well that is out of control, drilling or restoration expenses, and seepage and pollution damage.
- Environmental Impairment: Pollution Liability Policy with coverage not less than $10,000,000.
- Excess (or umbrella) Liability Insurance: Providing excess coverage for each of the perils insured by the preceding insurance policies with a minimum of $25,000,000.

2.3 Measures addressing long-term idle wells and coordination with CalGEM to prioritize wells for closure

CalGEM is mandated by the California Laws for the Conservation of Petroleum and Gas (Division 3, starting with Chapter 1, starting with Section 3000) and CCR Title 14, Division 2, Chapters 2 and 4 to supervise the drilling, operation, maintenance and abandonment of oil, gas, and geothermal wells within California. CCR Title 14 Chapter 4, Article 3, Section 1723 – Plugging and Abandonment describes requirements for plugging and abandonment and inspection of plugging and abandonment operations.

Under AB 2729, CalGEM instituted a new program that requires an operator to file an Idle Well Management Plan, which outlines the operator's plan to manage and eliminate (i.e., either plug and abandon or bring back into production) their idle wells. The Idle Well Management Plan must specify that operators will eliminate their long-term idle wells as follows: operators with 250 or fewer idle wells must eliminate 4% of their long-term idle wells each year, operators with 251 to 1,250 idle wells must eliminate 5% each year, and operators with more than 1,250 idle wells must eliminate 6% each year.

The Idle Well Management Plan is a new instrument to reduce the number of long-term idle wells in the state, and so far, the majority of operators with these plans have been plugging and abandoning wells in compliance with AB 2729. However, the specified rate would still allow an operator to have wells legally idle for greater than 15 years. In addition, an operator's Idle Well Management Plan applies to their entire portfolio of long-term idle wells across the state. Accordingly, an operator may concentrate on plugging and abandoning wells outside of Ventura County, leaving Ventura County wells for last. There are currently 2,267 idle wells in Ventura County, of which 1,520 are LTIW.[32] Of these, 1,275 have been idle for 15 years or more.

[32] CalGEM. 2022. 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.

The County is proposing a "Long-Term Idle Well Supplement Surety" that would require that operators provide a supplemental bond of $15,000 for each well that has been idle for longer than 15 years, not to exceed a total cost of $5M for any one operator. Such funds, as well as the proceeds for the Well Abandonment sureties, to the extent any such sureties are forfeited and the proceeds collected by the County, would be held in trust by the County and used for the sole purpose of addressing the plugging and abandonment of the subject wells. Consequently, the County could contribute the funds to the State for the plugging and abandonment of the subject wells under the direction of CalGEM or could provide the funds to the property owner or other responsible party to fund the plugging and abandonment of the subject wells in accordance with State rules and requirements.

2.3.1 Recommendation that the County Intercede with CalGEM to Prioritize Prompt State Action on Well Abandonment in Ventura County

As a separate matter, the following outlines action the County can take to coordinate with CalGEM to prioritize plugging and abandonment of wells in the County. To do so, the County could commission a professional evaluation to identify Ventura County wells that have no reasonable expectation of being reactivated and thus require plugging and abandonment, as well as prioritize which wells should be plugged and abandoned first. This information would then be conveyed to CalGEM consistent with Public Resources Code Section 3206.5, which states the following:

> (a) Any city or county may request from the supervisor a list of all idle wells, as defined in subdivision (d) of Section 3008, within its jurisdiction.
>
> (b) After receiving the list from the supervisor, the city or county may identify idle wells identified pursuant to subdivision (a) within its jurisdiction which it has determined, based on a competent, professional evaluation, have no reasonable expectation of being reactivated, and formally request the supervisor to make a determination whether the wells should be plugged and abandoned.
>
> (c) Upon receiving the written request of a city or county, as specified in subdivision (b):
>
> (1) The supervisor may, within 60 days of receiving a written request from a city or county, require the operator or operators to file a statement for each well outlining those reasons why the wells should not be plugged and abandoned.
>
> (2) The supervisor shall, within 120 days of receiving a written request, make a determination as to whether any of these wells should be plugged and abandoned, pursuant to the criteria contained in this chapter.
>
> (d) Failure of the operator to file, for any well, the statement required under this section shall be conclusive evidence of desertion of the well, thereby permitting the supervisor to order the well abandoned. (Amended by Stats. 2017, Ch. 652, Sec. 3. (SB 724) Effective January 1, 2018.)

SECTION 3 Basis for Categorical Exemption from CEQA

The California Environmental Quality Act (CEQA) Guidelines Section 15300, et seq. (CCR, Title 14) provide a list of classes of projects that are exempt from CEQA. Two specific classes, Class 7 and Class 8, as well as the "common sense" statutory exemption apply to the NCZO amendments:

- CEQA Guidelines Section 15307 (i.e., Class 7) provides an exemption from environmental review for "actions taken by regulatory agencies as authorized by state law or local ordinance to assure the maintenance, restoration, or enhancement of a natural resource where the regulatory process involves procedures for protection of the environment. Examples include but are not limited to wildlife preservation activities of the State Department of Fish and Game. Construction activities are not included in this exemption."
- CEQA Guidelines Section 15308 (i.e., Class 8) provides an exemption from environmental review for "actions taken by regulatory agencies as authorized by state law or local ordinance to assure the maintenance, restoration, enhancement, or protection of the environment where the regulatory process involves procedures for protection of the environment. Construction activities and relaxation of standards allowing environmental degradation are not included in this exemption."

Class 7 and 8 Categorical Exemptions apply to the NCZO amendments for the following reasons:

- The County is proposing to exercise its regulatory powers for the purpose of protecting natural resources and the environment, and therefore meets the definition of a "regulatory agency".
- As discussed below in the No Significant Impacts section, the ordinances would maintain, enhance, or protect a natural resource and the environment.
- As discussed below in the No Exceptions Apply section, none of the exceptions to the use of these classes of Categorical Exemptions apply to the project.

While the NCZO amendments are categorically exempt under exemption Class 7 and Class 8, they also qualify for the general, common-sense exemption (CEQA Guidelines Section 15061(b)(3)). According to the State CEQA Guidelines, "Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA" [State CEQA Guidelines Section 15061(b)(3)]. The factual basis provided below in the No Significant Impacts section demonstrates that it can be seen with certainty that there is no possibility of a significant impact from the project on the environment. Therefore, the common-sense exemption also applies to the NCZO.

The proposed CZO amendments constitute an amendment to the County's Local Coastal Program (LCP). Section 21080.9 of the Public Resources Code, which is part of CEQA, exempts local governments from preparing an environmental impact report or other CEQA document in connection with an amendment to an LCP. Instead, certification of an LCP amendment by the California Coastal Commission (Coastal Commission) is required and is subject to Coastal Commission review for compliance with the California Coastal Act of 1972. The Coastal Commission's regulatory program for the preparation, approval and

certification of LCPs has been certified by the Natural Resources Agency under Public Resources Code Section 21080.5 as the functional equivalent of CEQA review.

The proposed ordinance text amendments would apply throughout unincorporated Ventura County, which encompasses approximately 1,593 square miles in southern California (Figure 2).

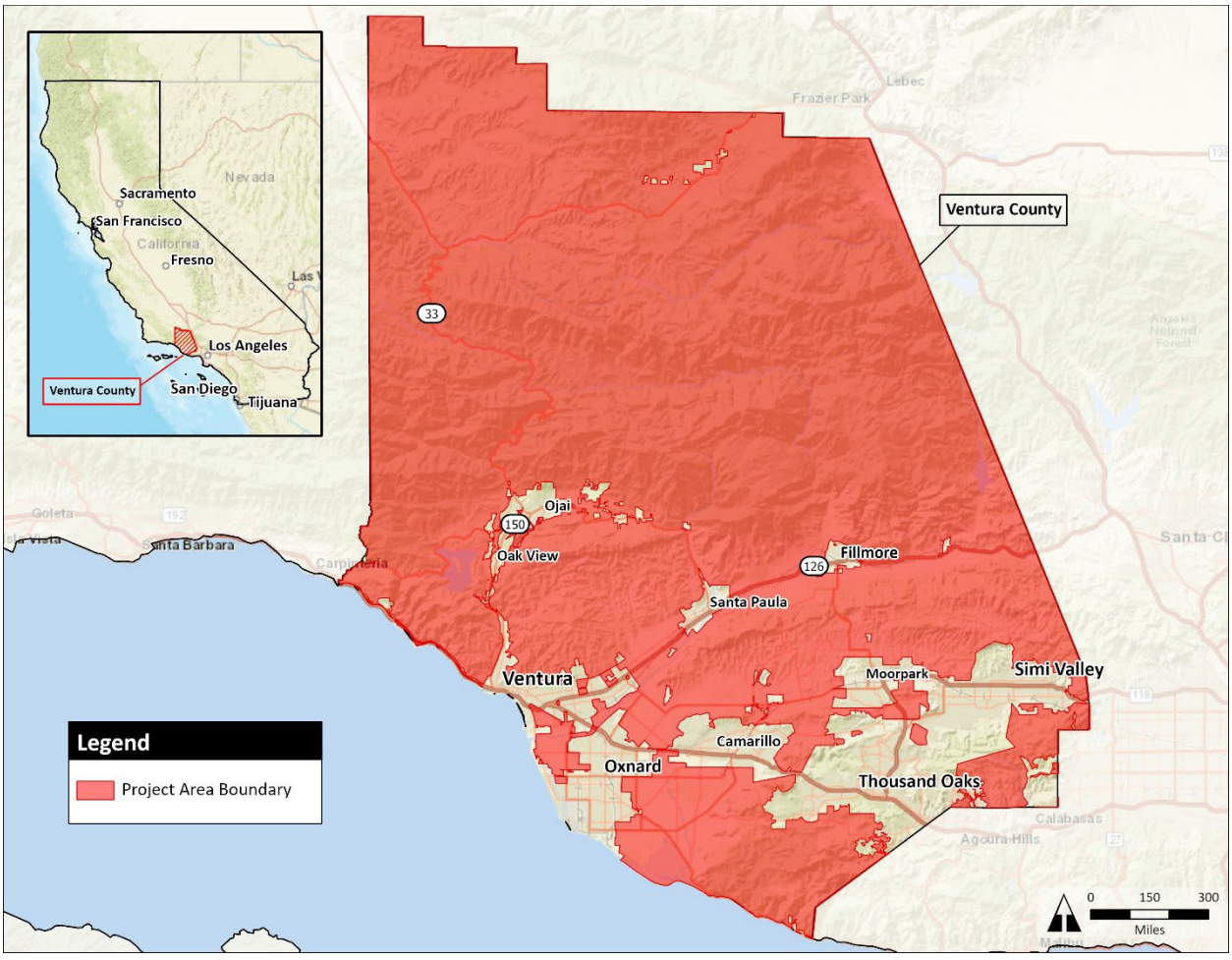


Figure 2. Ventura County

3.1 No Exceptions for Categorical Exemptions Apply

In applying the categorical exemptions, the County must consider if any exceptions apply, as defined in the CEQA Guidelines Section 15300.2 and summarized in the following:

1. The project site is environmentally sensitive as defined by the project's location. A project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant;
2. The project and successive projects of the same type in the same place will result in cumulative impacts;
3. There are "unusual circumstances" creating the reasonable possibility of significant effects;

4. The project may result in damage to scenic resources, including, but not limited to, trees, historic buildings, rock, outcroppings, or similar resources, within an officially designated scenic highway, except with respect to improvements required as mitigation for projects for which negative declarations or EIRs have been prepared;
5. The project is located on a site that the Department of Toxic Substances Control and the Secretary of the Environmental Protection have identified, pursuant to Government Code section 65962.5, as being affected by hazardous wastes or clean-up problems; or
6. The project may cause a substantial adverse change in the significance of an historical resource.

Each of the ordinance amendments is evaluated individually for exceptions in the following sections. As described, no exceptions apply to the ordinance text amendments, and therefore Class 7 and 8 are appropriate.

3.2 Ordinance Text Amendment 1: New and extended CUPs for oil and gas operations would be granted for a maximum duration of 15 years at a time, not including restoration activities.

3.2.1 Environmentally Sensitive Location

CEQA Guidelines Section 15300.2(a) state the following:

"(a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located -- a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. These classes are considered to apply in all instances, except where the project may impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies."

The exception to categorical exemptions under CEQA Guidelines Section 15300.2(a) of projects in sensitive environments does not apply to the ordinance text amendment, because it does not apply to Class 7 and 8 categorical exemptions.

3.2.2 No Cumulative Impacts

CEQA Guidelines Section 15300.2(b) state the following:

"(b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant."

The ordinance amendment does not relax standards for environmental protection but rather places a time limit on discretionary permits approved by the County. This allows the County to conduct a CEQA evaluation at the time of permit renewal to determine whether any new permit conditions are warranted. This provides for further protection of the environment from oil and gas operations that are currently allowed. The ordinance would not lead to significant impacts, and where there are impacts, they are beneficial. As such, a permit time limit would not have substantial adverse impact on the environment, cumulative or otherwise. Therefore, the exception to categorical exemptions under CEQA

Guidelines Section 15300.2(b) of successive projects of the same type in the same place over time does not apply to the project.

3.2.3 No Unusual Circumstances that lead to Significant Impacts

CEQA Guidelines Section 15300.2(c) state the following:

"(c) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances."

The ordinance amendment does not relax standards for environmental protection but rather places a time limit on discretionary permits approved by the County, which provides for further protection of the environment from oil and gas operations. The ordinance amendment would have potential beneficial impacts on air quality, energy, and greenhouse gases and no impacts on mineral resources as described below.

3.2.3.1 Air Quality

By placing a 15-year limit on new oil and gas CUPs, the County would be able to ensure that new oil and gas operations are conducted with the technology and in a manner that complies with any potentially updated federal, state, or local air quality standards. Therefore, any impacts to air quality would be beneficial.

3.2.3.2 Energy

By placing a 15-year limit on new oil and gas CUPs, the County would be able ensure that new oil and gas operations are conducted with the technology and in a manner that complies with any potentially new or updated energy standards. A 15-year CUP review cycle would ensure that new oil and gas projects do not contribute to wasteful, inefficient, or unnecessary consumption of energy. Therefore, any impacts to energy would be beneficial.

3.2.3.3 Greenhouse Gases

As recently published in the IPCC's Climate Change 2021 report[33], increases in greenhouse gas (GHG) concentrations since 1750 are "unequivocally caused by human activities" and these increased concentrations are responsible for global temperature increases of 1.0°C to 2.0°C over the past 150 years and global warming of a further 1.5°C and 2°C "will be exceeded during the 21st century unless deep reductions in CO_2 and other greenhouse gas emissions occur in the coming decades". The combustion of fossil fuels was responsible for about 86% ± 14% of human-caused CO_2 emissions over the past decade.

By placing a 15-year limit on new oil and gas CUPs, the County would be able to ensure that new oil and gas operations are conducted with the technology and in a manner that complies with any potentially new or updated federal, state, or local GHG emissions plans, policies, or regulations and avoids

[33] Intergovernmental Panel on Climate Change (IPCC). 2021. Climate Change 2021. The Physical Science Basis. Summary for Policymakers.

significant impacts to the environment. Therefore, any impacts to greenhouse gas emissions would be beneficial.

3.2.3.4 Mineral Resources

Placing a 15-year limit on new oil and gas CUPs would not limit the availability of a known mineral resource (i.e., oil and gas). It does not prevent the ability of an operator to apply for new CUPs for the same project after expiration of the previous CUP. It also does not prevent operators accessing oil and gas under existing CUPs from doing so. Besides a CUP time limit, no other changes to the permit application and approval process are proposed. Therefore, the proposed ordinance amendment does not prohibit access to nor limit the availability of oil and gas in Ventura County.

3.2.3.5 Other Resources Areas

The ordinance amendment would not alter the CUP approval process, the environmental evaluation that would be required prior to permit approval, or any environmental protection measures that would be required as part of the CUP approval. Therefore, the proposed ordinance amendment would have no impacts on the following resources:

- Aesthetics
- Agriculture and Forestry Resources
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hazards and Hazardous Materials
- Hydrology/ Water Quality
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

Therefore, there are no unusual circumstances that would lead to a significant impact due to the ordinance.

3.2.4 No damage to scenic resources

CEQA Guidelines Section 15300.2(d) state the following:

"(d) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR."

Route 33 is an officially designated scenic highway in Ventura County[34]. However, the proposed ordinance amendment would have no impact on scenic highways as it only places a time limit on new

[34] Caltrans. 2019. List of eligible and officially designated State Scenic Highways. Available at: https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways

CUPs, it does not alter permit requirements or the necessary environmental evaluation that would be required prior to permit approval.

3.2.5 Not on a contaminated site

CEQA Guidelines Section 15300.2(e) state the following:

"(e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site, which is included on any list compiled pursuant to Section 65962.5 of the Government Code."

The proposed ordinance amendment does not propose construction on "a site" and oil and gas sites are not hazardous waste sites on the Cortese list (Section 65962.5 of the Government Code). It also does not alter the current CUP approval process that would be required for a new oil and gas operation on a hazardous waste site. Therefore, there would be no impacts on hazardous waste sites.

3.2.6 No impacts on historical resources

CEQA Guidelines Section 15300.2(f) state the following:

"(f) Historical Resources. A categorical exemption shall not be used for a project, which may cause a substantial adverse change in the significance of a historical resource."

The proposed ordinance amendment does not modify current protections for historical resources in the County and does not alter the approval and environmental review process that would be required of new oil and gas CUPs. Therefore, there would be no impacts on historical resources.

3.3 Ordinance Text Amendment #2: The amount of the oil and gas permit compliance/site restoration surety and insurance shall be increased.

3.3.1 Environmentally Sensitive Location

CEQA Guidelines Section 15300.2(a) state the following:

"(a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located -- a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. These classes are considered to apply in all instances, except where the project may impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies."

The exception to categorical exemptions under CEQA Guidelines Section 15300.2(a) of projects in sensitive environments does not apply to the ordinance amendment, because it does not apply to Class 7 and 8 categorical exemptions.

3.3.2 No Cumulative Impacts

CEQA Guidelines Section 15300.2(b) state the following:

"(b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant."

The ordinance amendment does not alter standards for environmental protection but rather creates a new surety/bonding requirement for oil and gas operations. The ordinance would not lead to significant impacts, and where there are impacts, they are beneficial. Creating a new surety/bonding requirement would better incentivize operators to operate safely and to complete their remediation obligations when operations cease and would provide sufficient funding if they fail to do so, thus providing greater protection to the environment. As such, an increased surety requirement would not have substantial adverse impact on the environment, cumulative or otherwise. Therefore the exception to categorical exemptions under CEQA Guidelines Section 15300.2(b) of successive projects of the same type in the same place over time does not apply to the project.

3.3.3 No Unusual Circumstances

CEQA Guidelines Section 15300.2(c) state the following:

"(c) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances."

The ordinance amendment does not alter environmental protection standards currently in place by the County but rather increases surety/bonding and insurance amounts for oil and gas operations. Creating a new surety/bonding requirement would better incentivize operators to operate safely and to complete their remediation obligations when operations cease and would provide sufficient funding if they fail to do so, thus providing greater protection to the environment. Further, as set forth more fully below, there is no evidence that any unusual circumstances exist such that there may be a reasonable possibility that the activity will have a significant effect on the environment.

3.3.3.1 Air Quality, Greenhouse Gases, Biological Resources, Hazards and Hazardous Materials, and Hydrology/Water Quality

By increasing the amount of surety required for oil and gas wells, it would better incentivize operators to operate safely and to complete their remediation obligations when operations cease and would provide sufficient funding if they fail to do so, thus providing greater protection to the environment. In addition, there would be greater financial resources with which to respond to permit noncompliance of operators of active wells that could result in hazardous air emissions, increased GHG emissions, environmental contamination that could contaminate ground and/or surface water and adversely affect biological resources and human health. It would also provide more financial resources with which to assist the state in responding to environmental contamination from idle or orphan wells. Increased insurance requirements would provide for greater protection of the environment and human health and safety in the case of accidental releases that could adversely affect air quality, ground and/or surface water quality and adversely affect biological resources and human health.

Therefore, increased bonding and insurance would have a beneficial impact on these resources.

3.3.3.2 Mineral Resources

Increased surety and insurance requirements for oil and gas wells would not limit the availability of a known mineral resource (i.e., oil and gas). The proposed amendment also would not require operators

of active CUPs to alter their operations as it does not amend environmental compliance requirements for existing or future CUPs. Therefore, the proposed ordinance amendment does not prohibit access to nor limit the availability of oil and gas in Ventura County.

3.3.3.3 Other Resources Areas

The ordinance amendment would not alter the permitting and operational requirements of oil and gas wells in the County. Therefore, the proposed ordinance amendment would have no impacts on the following resources:

- Aesthetics
- Agriculture and Forestry Resources
- Cultural Resources
- Geology and Soils
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

Therefore, there are no unusual circumstances that would lead to a significant impact due to the project.

3.3.4 No damage to scenic resources

CEQA Guidelines Section 15300.2(d) state the following:

"(d) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR."

Route 33 is an officially designated scenic highway in Ventura County. However, the proposed ordinance amendment would have no impact on scenic highways or resources as it does not alter permit conditions or change the way that oil and gas operations in the county are carried out.

3.3.5 Not on a contaminated site

CEQA Guidelines Section 15300.2(e) state the following:

"(e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site, which is included on any list compiled pursuant to Section 65962.5 of the Government Code."

The proposed ordinance amendment does not propose construction on "a site" and oil and gas sites are not hazardous waste sites on the Cortese list (Section 65962.5 of the Government Code). It also does not alter the current CUP approval process that would be required for a new oil and gas operation on a hazardous waste site. Therefore, there would be no impacts on hazardous waste sites.

3.3.6 No impacts on historical resources

CEQA Guidelines Section 15300.2(f) state the following:

"(f) Historical Resources. A categorical exemption shall not be used for a project, which may cause a substantial adverse change in the significance of a historical resource."

The proposed ordinance amendment does not modify current protections for historical resources in the County. Therefore, there would be no impacts on historical resources.

3.4 Ordinance Text Amendment #3: Measures addressing long-term idle wells.

3.4.1 Environmentally Sensitive Location

CEQA Guidelines Section 15300.2(a) state the following:

"(a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located -- a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. These classes are considered to apply in all instances, except where the project may impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies."

The exception to categorical exemptions under CEQA Guidelines Section 15300.2(a) of projects in sensitive environments does not apply to the ordinance amendment, because it does not apply to Class 7 and 8 categorical exemptions.

3.4.2 No Cumulative Impacts

CEQA Guidelines Section 15300.2(b) state the following:

"(b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant."

The ordinance amendment does not alter standards for environmental protection but rather creates a new surety/bonding requirement for oil and gas wells that have been idle for longer than 15 years. Creating a new surety/bonding requirement for oil and gas wells that have been idle longer than 15 years provides greater financial resources with which to assist the state in plugging and abandonment in the event that these long term idle wells become orphan wells, and thus serves to provide greater protection for the environment and public health against risks posed by idle wells. The ordinance would not lead to significant impacts, and where there are impacts, they are beneficial. As such, the surety requirement would not have substantial adverse impact on the environment, cumulative or otherwise. Therefore the exception to categorical exemptions under CEQA Guidelines Section 15300.2(b) of successive projects of the same type in the same place over time does not apply to the project.

3.4.3 No Unusual Circumstances

CEQA Guidelines Section 15300.2(c) state the following:

"(c) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances."

The ordinance amendment does not alter environmental protection standards currently in place by the County but rather creates a new surety/bonding requirement for oil and gas wells that have been idle for longer than 15 years. Creating a new surety/bonding requirement for oil and gas wells that have been idle longer than 15 years provides greater financial resources with which to assist the state in plugging and abandonment in the event that these long term idle wells become orphan wells, and thus serves to provide greater protection for the environment and public health against risks posed by idle wells. Further, as set forth more fully below, there is no evidence that any unusual circumstances exist such that there may be a reasonable possibility that the activity will have a significant effect on the environment.

3.4.3.1 Air Quality, Greenhouse Gases, Biological Resources, Hazards and Hazardous Materials, and Hydrology/Water Quality

Idle wells pose various risks to the environment and public health, including the potential contamination of groundwater and surface water resources from improperly maintained casings as well as methane and other volatile organic compound leakage. An additional surety for wells that have been idle for 15 years or more provides greater financial resources with which to assist the state in plugging and abandonment in the event that these long term idle wells become orphan wells, and thus serves to provide greater protection for the environment and public health against risks posed by idle wells. Therefore, there would be beneficial impacts to air quality, GHGs, biological resources, hazards and hazardous materials, and hydrology/water quality.

3.4.3.2 Mineral Resources

A new surety requirement for oil and gas wells that have been idle for longer than 15 years would not limit the availability of a known mineral resource (i.e., oil and gas). By definition, these wells are not producing oil and gas. The surety does not prevent an operator from bringing these wells back into production nor does it require operators of active CUPs to alter the operations of their active wells as it does not amend environmental compliance requirements for existing or future CUPs. Therefore, the proposed ordinance amendment does not prohibit access to nor limit the availability of oil and gas in Ventura County.

3.4.3.3 Other Resources Areas

The proposed ordinance text amendment would have no impacts on the following resources:

- Aesthetics
- Agriculture and Forestry Resources
- Cultural Resources
- Geology and Soils
- Land Use and Planning
- Noise
- Population and Housing
- Public Services

- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

Therefore, there are no unusual circumstances that would lead to a significant impact due to the project.

3.4.4 No damage to scenic resources

CEQA Guidelines Section 15300.2(d) state the following:

"(d) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR."

Route 33 is an officially designated scenic highway in Ventura County. However, the proposed ordinance amendment would have no impact on scenic highways or resources as it does not alter permit conditions or change the way that oil and gas operations in the county are carried out.

3.4.5 Not on a contaminated site

CEQA Guidelines Section 15300.2(e) state the following:

"(e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site, which is included on any list compiled pursuant to Section 65962.5 of the Government Code."

The proposed ordinance amendment does not propose construction on "a site" and oil and gas sites are not hazardous waste sites on the Cortese list (Section 65962.5 of the Government Code). It does not alter the current CUP approval process that would be required for a new oil and gas operation on a hazardous waste site nor does it alter plugging and abandonment requirements for idle wells. Therefore, there would be no impacts on hazardous waste sites.

3.4.6 No impacts on historical resources

CEQA Guidelines Section 15300.2(f) state the following:

"(f) Historical Resources. A categorical exemption shall not be used for a project, which may cause a substantial adverse change in the significance of a historical resource."

The proposed ordinance amendment does not modify current protections for historical resources in the County. Therefore, there would be no impacts on historical resources.

SECTION 4 Conclusion

As set forth above, the NCZO ordinance amendments are exempt under the above-cited classifications and can be appropriately determined to be categorically exempt from CEQA pursuant to CEQA Guidelines 15307 (Class 7), 15308 (Class 8), and 15061(b)(3) (common sense).

SECTION 5 Glossary

Deserted Well – a well that is no longer producing and the operator of which has failed to comply with idle well or other requirements or has failed to respond to inquiries and requests from CalGEM. These wells may be orphan wells, but CalGEM has not yet made a determination of the financial solvency of the current operator or any other party responsible for plugging the well under Public Resources Code Section 3237.

Hazardous well - an oil and gas well determined by the CalGEM supervisor to be a potential danger to life, health, or natural resources and for which there is no operator determined by the supervisor to be responsible for its plugging and abandonment under Section 3237 (Public Resources Code Section 3251).

Idle Well - any well that for a period of 24 consecutive months has not either produced oil or natural gas, produced water to be used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection (Pub. Resources Code, § 3008, subd. (d)).

Long-term Idle Well - any well that has been an idle well for eight or more years (Pub. Resources Code, § 3008, subd. (e)).

Orphan Well - a well for which there is no known responsible operator or no financially viable operator capable of plugging and decommissioning the wells.

Plugging and Abandonment – when an oil and gas well is no longer producing, the procedure of permanently sealing the well with a cement plug to isolate the hydrocarbon-bearing formation from water sources and prevent leakage to the surface.

Surety - an agreement between three groups, the principal conducting the work (operator), the obligee to whom money is owed if obligations are not met (the County or State), and a surety bond company (surety).

County of Ventura
Planning Commission Hearing
PL21-0099 and PL21-0100
Exhibit 8a – Footnotes cited in Exhibit 8
not otherwise included in Attachment A

3. Los Angeles County Planning Report to the Regional Planning Commission May 26, 2022.

4. Los Angeles County Regional Planning Commission Minutes, June 8, 2022.

14. CalGEM Idle Well Program Report

21. Jacqueline S. Ho, Jhih-Shyan Shil, Lucija A. Muehlenbachs, Clayton Munnings, and Alan J. Krupnick. 2018. Managing Environmental Liability: An Evaluation of Bonding Requirements for Oil and Gas Wells in the United States. Environ.Sci.Technol.2018, 52, 3908-3916.

23. United States Government Accountability Office. 2019. Report to Congressional Requesters. Oil and Gas Bureau of Land Management Should Address Risks from Insufficient Bonds to Reclaim Wells, GAO-19-615.

24. City of Los Angeles. 2018. Review of City of Los Angeles' Oil and Gas Drilling Sites. Report from the City Controller to the Mayor and City Council.

28. Office of Senate Floor Analyses. 2021-2022. Senate Third Reading Packet. Wednesday, May 26, 2021
Available online at: https://sfa.senate.ca.gov/sites/sfa.senate.ca.gov/files/packet/trp_052621.pdf.

33. Intergovernmental Panel on Climate Change (IPCC). 2021. Climate Change 2021. The Physical Science Basis, Summary for Policymakers.

34. Caltrans, 2019. List of eligible and officially designated State Scenic Highways.
https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways

Los Angeles County
Department of Regional Planning

Planning for the Challenges Ahead

Amy J. Bodek, AICP
Director of Regional Planning

Dennis Slavin
Chief Deputy Director,
Regional Planning

REPORT TO THE REGIONAL PLANNING COMMISSION

DATE ISSUED:	5/26/2022	
MEETING DATE:	6/8/2022	AGENDA ITEM: 5
PROJECT NUMBER:	PRJ2020-000246	
PROJECT NAME:	Oil Well Ordinance	
PLAN NUMBER(S):	RPPL2020000624	
SUPERVISORIAL DISTRICT:	1-5	
PROJECT LOCATION:	Countywide	
PROJECT PLANNER:	Adrienne Ng, Regional Planner ordinance@planning.lacounty.gov	

RECOMMENDATION

The Department of Regional Planning staff ("staff") recommends that the Regional Planning Commission (Commission) adopt the attached resolution recommending approval to the County of Los Angeles Board of Supervisors of the Oil Well Ordinance, Plan No. RPPL2020000624.

Staff recommends the following motion:

I MOVE THAT THE REGIONAL PLANNING COMMISSION CLOSE THE PUBLIC HEARING AND FIND THAT THE EXEMPTIONS QUALIFY PURSUANT TO STATE AND LOCAL CEQA GUIDELINES.

I ALSO MOVE THAT THE REGIONAL PLANNING COMMISSION ADOPT THE ATTACHED RESOLUTION RECOMMENDING APPROVAL TO THE COUNTY OF LOS ANGELES BOARD OF SUPERVISORS OF THE OIL WELL ORDINANCE, PLAN NO. RPPL2020000624.

PROJECT DESCRIPTION

A. Summary

Plan Number RPPL2020000624 is the Oil Well Ordinance (Ordinance), a project that amends Title 22 (Planning and Zoning) of the Los Angeles County Code to prohibit new oil wells and production facilities, designate existing oil wells and production facilities as nonconforming due to use, and establish consistent regulations for existing oil wells and production facilities during the amortization period. The Ordinance applies to the unincorporated areas of Los Angeles County, except for the Baldwin Hills Community Standards District, areas designated as a specific plan, and uses operating under a valid discretionary permit. The Ordinance (Exhibit A), Board Resolution (Exhibit B), and Notice of Exemption (Exhibit C) are attached to this report.

B. Background

On September 15, 2021, the County of Los Angeles Board of Supervisors (Board) approved a motion titled "Protecting Communities Near Oil and Gas Drilling Operations in Los Angeles County." The motion directs the Department of Regional Planning (Department) to: “prohibit all new oil and gas extraction wells in all zones, including those allowed or planned for under existing discretionary permits, and designate all existing oil and gas extraction activities, including those allowed or planned for under existing discretionary permits, as legal nonconforming uses in all zones.” The Ordinance implements the Board’s vision to prioritize and protect the public health, safety, and welfare of residents living near oil wells and begin the process of a just transition away from fossil fuels and decarbonization of the economy.

Also, the Board approved two related motions on September 15, 2021 titled: “Developing an Oil Well Cleanup Pilot Program for Los Angeles County” and “Developing a Comprehensive Strategy for a Just Transition Away from Fossil Fuels for Los Angeles County.” The three motions assigned several County agencies, including the Office of Oil and Gas at Public Works, Department of Public Health, Fire Department, and the Chief Sustainability Office, to work on these directives.

Prior to September 15, 2021, staff produced a draft ordinance responding to an earlier Board motion from March 29, 2016: “Proactive Planning and Enforcement of Oil and Gas Facilities Operating in Unincorporated Los Angeles County.” The September 15, 2021 motions supersede the March 29, 2016 motion. A summary of the efforts to address the March 29, 2016 motion is attached to this report for your Commission’s information (Exhibit E).

C. Location

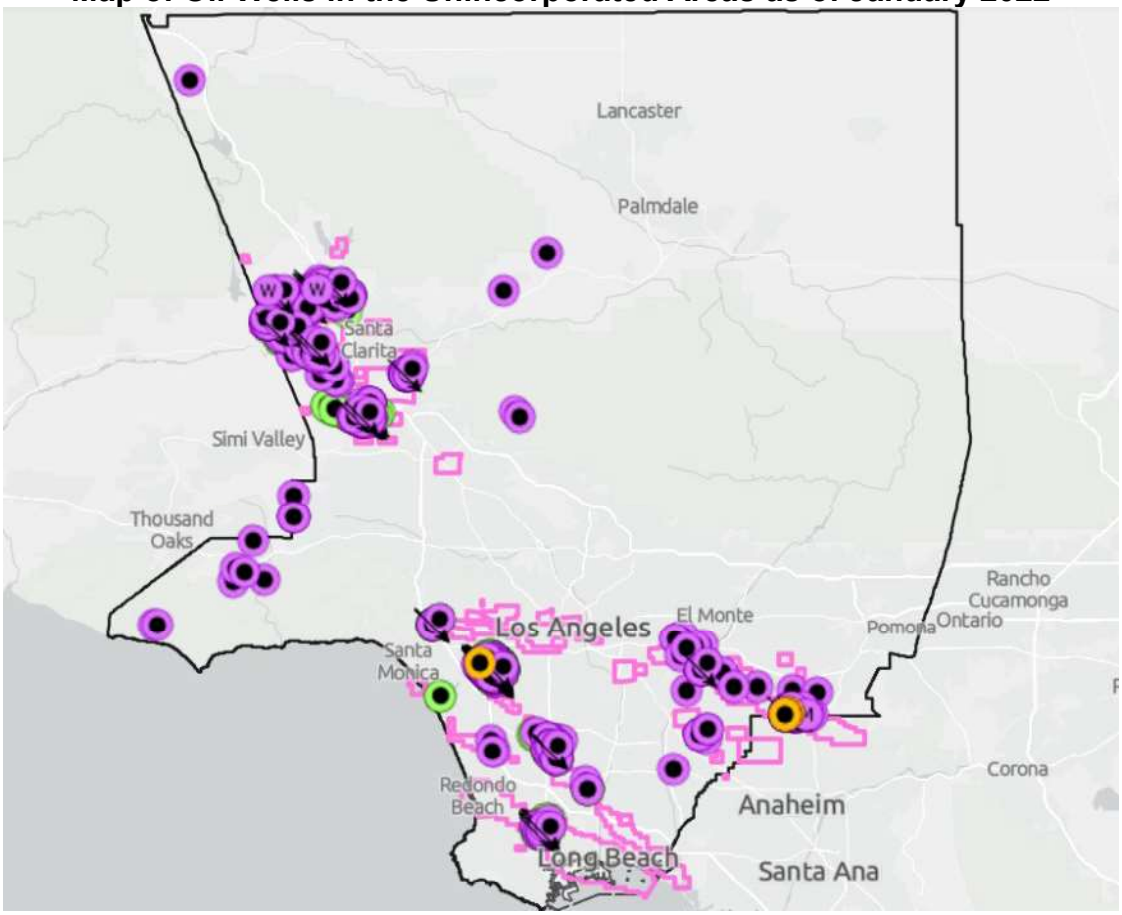
According to CalGEM data from January 2022, there are 1,547 active or idle oil wells in the unincorporated areas of Los Angeles County. The Ordinance affects approximately 473 existing oil wells. The remaining 1,074 oil wells are within the Baldwin Hills Community Standards District, in an area designated as a specific plan, or are operating

under a valid discretionary permit. The number and location of oil wells in the unincorporated areas are summarized below:

Oil Wells in the Unincorporated Areas (January 2022)						
			Oil Wells to be Addressed Separately From This Ordinance[1]			
Supervisorial District	Total Wells in the Unincorporated Areas	**Affected by the Ordinance**	Specific Plan	Discretionary Permit	Baldwin Hills Community Standards District	New – Permit for drilling issued by CalGEM
1	91	**16**	-	75	-	8
2	1006	**92**	2	57	855	1
3	26	**26**	-	-	-	-
4	30	**30**	-	-	-	-
5	394	**309**	55	30	-	-
All Districts	1547	**473**	57	162	855	9

1. The Ordinance does not apply to the Baldwin Hills Community Standards District, areas designated as a specific plan, or uses operating under a valid discretionary permit. DRP will address these in future efforts.

Map of Oil Wells in the Unincorporated Areas as of January 2022



D. Major Elements and Key Components

The Ordinance has three major elements and key components:

Prohibit New Oil Wells and Production Facilities
The Ordinance prohibits new oil wells and production facilities in 33 zones in Title 22 by adding "oil wells and production facilities" as a use "not permitted." The Ordinance also prohibits new oil wells and production facilities by amending the East Los Angeles Community Standards District and the Florence-Firestone Community Standards District to remove "oil wells and appurtenances, to the same extent and under all of the same conditions as permitted in Zone A-2" from the list of uses allowed in Zone M-1.

Designate Existing Oil Wells and Production Facilities as Nonconforming Due to Use
By adding "oil wells and production facilities" as a use "not permitted" in Title 22, the Ordinance designates existing, legally established oil wells and production facilities as nonconforming due to use. Chapter 22.172 (Nonconforming Uses, Buildings and Structures) contains regulations for the continuation, addition, repair, and termination of status for nonconforming uses. According to Sections 22.172.050.B and 22.172.050.B.1.f, nonconforming uses shall be discontinued and removed from their sites within 20 years of becoming nonconforming.

Establish Regulations for Existing Oil Wells and Production Facilities
The Ordinance adds consistent regulations to Title 22 for existing oil wells and production facilities, including: well and site signage, comment and complaint log, requirements for site maintenance, bonds for existing wells, and standards for well plugging and abandonment and restoration. These regulations ensure that existing oil wells and production facilities operate under a consistent set of development and performance standards and increase transparency in operations until the uses are discontinued and removed.

The Ordinance specifies a schedule for the effective date for regulations. Regulations for site maintenance, well plugging and abandonment, and restoration become effective on the date the Ordinance becomes effective. Regulations for well and site signage and the comment and complaint log become effective one year after the Ordinance goes into effect. Regulations for bonds become effective two years after the Ordinance goes into effect.

E. General Plan Consistency

The Ordinance is consistent with and supportive of the goals, policies, and principles of the General Plan, including:

- Policy LU 7.1: Reduce and mitigate the impacts of incompatible land uses, where feasible, using buffers and other design techniques.
- Policy LU 7.8: Promote environmental justice in the areas bearing disproportionate impacts from stationary pollution sources.
- Policy LU 9.1: Promote community health for all neighborhoods.
- Policy LU 9.4: Encourage patterns of development that protect the health of sensitive receptors.

F. Regulatory Agencies and Regulations

The Department and Title 22 are responsible for land use and zoning regulations in the unincorporated areas of Los Angeles County. In addition, there are numerous federal, state, regional, and local agencies that regulate oil wells and production facilities in California and in Los Angeles County. A summary of regulatory agencies and regulations is attached to this report for your Commission's information (Exhibit F).

G. Amendment to Title 12

Staff collaborated with the Department of Public Health on an amendment to Title 12 (Environmental Protection). The amendment to Title 12 removes the exception for oil wells and production facilities from the County's noise and vibration regulations. The amendment to Title 12 does not require action by your Commission and is attached to this report for your Commission's information (Exhibit D).

ENVIRONMENTAL ANALYSIS

The project (Ordinance) is exempt from the provisions of the California Environmental Quality Act (CEQA) and County CEQA Guidelines pursuant to CEQA Guidelines sections 15061(b)(3), 15061(b)(2), 15301 (Class 1), and 15308 (Class 8). Staff recommends that your Commission find the project exempt from CEQA and the County CEQA Guidelines. A Notice of Exemption was prepared for the project (Exhibit C).

OUTREACH AND ENGAGEMENT

A. County Department Comments and Recommendations

The Fire Department, Department of Parks and Recreation, and Public Works reviewed the Ordinance and had no comments. Staff sent the Ordinance to the Department of Public Health for review and did not receive a response.

B. Project Outreach and Engagement

On May 5, 2021, staff emailed 905 stakeholders to announce that the Ordinance is available for review online and that a public hearing is scheduled for June 8, 2022. Pursuant to Chapter 22.244 (Ordinance Amendments) and Section 22.222.180 of the County Code, the notice of public hearing was published in 14 local newspapers, including the Spanish-language newspaper La Opinión. Ordinance materials were posted on the Department's website and promoted through social media. Furthermore, the Department provided language access support in Spanish and Chinese, prepared translated project summary sheets (Exhibit G), and encouraged email or voicemail comments in multiple languages.

Of the numerous directives in the three motions adopted by the Board on September 15, 2021, this Ordinance implements one aspect of one motion. There are future opportunities for community engagement as County agencies work to implement all three Board motions. As directed by the September 15, 2021 Board motions, several County

agencies will collaborate to build and ensure a robust, meaningful, and inclusive community engagement program that prioritizes frontline communities during the phase out, remediation, and visioning of future land uses.

C. Public Comments

No comments were received on the Ordinance at the time of this report.

Related to the Ordinance, staff received 521 form letters from persons living near the Inglewood Oil Field. These letters were in support of “a quick and just end to all drilling throughout LA County within five years” and "making oil and gas drilling a nonconforming use; expediting the phase-out period county-wide, including in the Inglewood Oil Field; and implementing a just transition to help workers." The form letters are attached to this report (Exhibit H).

Report Reviewed By: A. Bruce Durbin, Supervising Regional Planner

Report Approved By: Connie Chung, Deputy Director

LIST OF ATTACHED EXHIBITS	
EXHIBIT A	Title 22 Ordinance
EXHIBIT B	Board Resolution
EXHIBIT C	Notice of Exemption
EXHIBIT D	Amendment to Title 12
EXHIBIT E	Summary of Work: March 29, 2016 Board Motion
EXHIBIT F	Summary of Regulatory Agencies
EXHIBIT G	Project Summaries (English, Spanish, and Chinese)
EXHIBIT H	Public Comments

LOS ANGELES COUNTY
REGIONAL PLANNING
COMMISSION

YOLANDA DUARTE-WHITE
Chair

MICHAEL R. HASTINGS
Vice Chair

DAVID W. LOUIE
Commissioner

PAM O'CONNOR
Commissioner

ELVIN W. MOON
Commissioner

MINUTES

Meeting Place: Virtual (Online) and by Teleconference

Meeting Date: June 8, 2022 - Wednesday Time: 9:06 a.m.

Present: Commissioners Duarte-White, Louie, O'Connor, Moon, Hastings

Ex Officio Members:

Director of Public Works: Ms. Aracely Lasso, Senior Civil Engineer

County Counsel: Ms. Elaine Lemke, Assistant County Counsel

Planning Director: Ms. Connie Chung, Deputy Director Advance Planning

Forester and Fire Warden: Mr. Juan Padilla, Supervising Fire Prevention Engineer

APPROVAL OF AGENDA

1. Motion/seconded by Commissioners Moon/Hastings – That the agenda for June 8, 2022 be approved.

At the direction of the Chair, the agenda was approved unanimously.

COUNTY COUNSEL REPORT

2. County Counsel stated for the record that while this is an online meeting, it is a public meeting the same as if it were held in person in the Commission's hearing room and rules that allow for an orderly meeting shall apply. As such, when speaking on an agendized item, comments should address the item on the agenda and no other issues.

Similarly, if speaking during public comment, comments should be limited to issues related to the business of the Regional Planning Commission.

COUNTY COUNSEL REPORT (Cont.)

If speakers do not remain on topic, they may be reminded by the Chair or myself to do so. Failure to discuss issues not related to the agendized item, may result in the loss of the right to speak on the item or other items, if directed by the Chair. In addition, speakers should refrain from conduct that is disruptive of the meeting. Doing so also could result in the loss of the right to speak on the agenda item or any other items.

Disruptive conduct can include, but is not limited to, threats made against other speakers, the Commission or its members, or any others participating in the meeting, profane comments not related to the agenda item, or disorderly or contemptuous behavior leading to a disruption of the orderly progression and holding of the meeting.

In such cases, the Chair will advise that the behavior is disruptive and direct that the speaker's microphone be disabled. That person may, however, continue to observe the meeting. Further, disruptive behavior communicated to the panelists of the meeting, which include the Commission and County staff, may result in the removal of that person from the meeting by disconnecting them from the online connection.

DIRECTOR/DEPUTY DIRECTOR

3. There were no reports given by the Chief Deputy Director.

Coastal

3(a) Project No. PRJ2022-000311-(3). Administrative Coastal Development Permit No. RPPL2022000757. Planner: Shawn Skeries. Applicant: Allyson Kane. 26315 Lockwood Road. Santa Monica Mountains Planning Area. Authorizing eighteen (18) roof-mounted Q-Cell solar modules and appurtenant equipment, including junction boxes and associated wiring, affixed to an existing single-family residence in the R-C-10,000 (Rural Coastal-10,000 square-feet minimum required lot area) Zone pursuant to Los Angeles County Code Section 22.44.940. This project is categorically exempt, Class 3 – New Construction or Conversion of Small Structures, pursuant to CEQA reporting requirements.

There being no presentation, the Commission received and accepted the information for Project No. PRJ2022-000311-(3).

MINUTES FOR APPROVAL

4. Motion/seconded by Commissioners Moon/Hastings – That the minutes for January 12, 2022 be approved.

At the direction of the Chair, the minutes were approved unanimously.

Motion/seconded by Commissioners Hastings/O'Connor – That the minutes for January 19, 2022 be approved.

At the direction of the Chair, the minutes were approved unanimously.

Motion/seconded by Commissioners Moon/Hastings – That the minutes for January 26, 2022 be approved.

MINUTES FOR APPROVAL (Cont.)

At the direction of the Chair, the minutes were approved unanimously.

Motion/seconded by Commissioners O'Connor/Moon – That the minutes for February 9, 2022 be approved.

At the direction of the Chair, the minutes were approved unanimously.

Motion/seconded by Commissioners Moon/Hastings – That the minutes for March 16, 2022 be approved.

At the direction of the Chair, the minutes were approved unanimously.

Motion/seconded by Commissioners Moon/Hastings – That the minutes for May 18, 2022 be approved.

At the direction of the Chair, the minutes were approved unanimously.

ADMISSION PROCEDURES

Staff announced if you are joining us via telephone and want to provide comment on any of the agenda items, please send an email to comment@planning.lacounty.gov and provide the agenda item number, your first name, your last name, your email address, your phone number, and indicate if you are the applicant or not the applicant

All participants' microphones will be muted during the meeting unless you have signed up to provide comment. If you have signed up to provide comment, your microphone will be unmuted when it is time for you to speak, and staff will call your name.

PUBLIC HEARING

Ordinance Studies

Project Approved

5. Project No. PRJ2020-000246-(1-5). Planner: Adrienne Ng. Advance Planning Case No. RPPL2020000624. Oil Well Ordinance. Countywide. An amendment to Title 22 (Planning and Zoning) of the Los Angeles County Code, for the unincorporated areas of Los Angeles County, to prohibit new oil wells and production facilities in all zones, designate existing oil wells and production facilities as nonconforming uses in all zones, and establish consistent regulations for existing oil wells and production facilities. This project is exempt pursuant to CEQA Guidelines sections 15061(b)(3), 15061(b)(2), 15301 (Class 1), and 15308 (Class 8).

Staff presented the Oil Well Ordinance, a project that amends Title 22 of the Los Angeles County Code to prohibit new oil wells and production facilities, designates existing oil wells and production facilities as nonconforming due to use, and establishes consistent regulations for existing oil wells and production facilities during the amortization period. The Ordinance applies to the unincorporated areas of Los Angeles County, except for the Baldwin Hills Community

PUBLIC HEARING (Cont.)

Standards District, areas designated as a specific plan, and uses operating under a valid discretionary permit.

On September 15, 2021, the County of Los Angeles Board of Supervisors (Board) approved a motion titled "Protecting Communities Near Oil and Gas Drilling Operations in Los Angeles County." The motion directed the Department of Regional Planning to “prohibit all new oil and gas extraction wells in all zones, including those allowed or planned for under existing discretionary permits, and designates all existing oil and gas extraction activities, including those allowed or planned for under existing discretionary permits, as legal nonconforming uses in all zones.” The Ordinance implements the Board’s vision to prioritize and protect the public health, safety, and welfare of residents living near oil wells and begins the process of a just transition away from fossil fuels and decarbonization of the economy.

On September 15, 2022, the Board also approved two related motions titled “Developing an Oil Well Cleanup Pilot Program for Los Angeles County” and “Developing a Comprehensive Strategy for a Just Transition Away from Fossil Fuels for Los Angeles County.” The three motions assigned several County departments, including the Office of Oil and Gas at Public Works, Department of Public Health, Fire Department, and the Chief Sustainability Office to work on these directives.

The Ordinance has three major elements and key components; it prohibits new oil wells and production facilities. It designates existing oil wells and production facilities as nonconforming. Also, it establishes regulations for existing uses during the amortization period.

The Ordinance specifies a schedule for the effective date for regulations. Regulations for site maintenance, well plugging and abandonment, and restoration become effective on the date the Ordinance becomes effective. Regulations for well and site signage and the comment and complaint log become effective one year after the Ordinance goes into effect. Regulations for bonds become effective two years after the Ordinance goes into effect.

The Ordinance is consistent with and supportive of the goals, policies, and principles of the General Plan. The Department and Title 22 are responsible for land use and zoning regulations in the unincorporated areas of Los Angeles County. In addition, there are numerous federal, state, regional, and local agencies that regulate oil wells and production facilities in California and in Los Angeles County.

For further action and discussion visit:
http://lacdrp.granicus.com/ViewPublisher.php?view_id=1

Motion/seconded by Commissioners Louie/Moon – That the Regional Planning Commission close the public hearing and find that the exemptions qualify pursuant to state and local CEQA guidelines.

At the direction of the Chair, the item passed with Commissioners Louie, Moon, Duarte-White, and O’Connor in favor and Commissioner Hasting being recorded as no.

Motion/seconded by Commissioners Louie/Moon – That the Regional Planning Commission adopt the resolution recommending approval to the County of Los Angeles Board of Supervisors of the Oil Well Ordinance, Plan No. RPPL2020000624.

PUBLIC HEARING (Cont.)

At the direction of the Chair, the item passed with Commissioners Louie, Moon, Duarte-White, and O'Connor in favor and Commissioner Hasting being recorded as no.

PUBLIC COMMENT

6. Public comment pursuant to Section 54954.3 of the Government Code.

There were no requests by members of the public to address the Commission.

CONTINUATION OF REPORTS

7. Possible Call for Review of Decisions by Hearing Officer, pursuant to Section 22.240.010.B of the Los Angeles County Code.

There were no items Called up for Review by the Commission.

8. Commission/Counsel/Director Reports

There were no reports given by Commission/Counsel/Director.

ADJOURNMENT

A recording of the testimony received and the discussions held at this meeting and a copy of all findings and resolutions acted upon by the Commission are on file in the Department of Regional Planning.

The Commission adjourned at 10:38 a.m. to Wednesday, June 15, 2022.

Elida Luna, Acting Commission Secretary

ATTEST

Yolanda Duarte-White, Chair

APPROVE

Connie Chung, Deputy Director
Advance Planning Division

Idle Well Program Report

On Idle and Long-Term Idle Wells in California

Reporting Period: January 1, 2018 to December 31, 2018
Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. of 2016)
July 1, 2019

About DOGGR

The Division of Oil, Gas, and Geothermal Resources (DOGGR) prioritizes the protection of public health, safety, and the environment in its oversight of the oil, natural gas, and geothermal operations in California. To do that, DOGGR uses science and sound engineering practices to regulate the drilling, operation, and permanent closure of energy resource wells. DOGGR also regulates certain pipelines and facilities associated with production and injection. These duties include witnessing tests, inspections, and operations that DOGGR is both authorized and required to perform.

When DOGGR was established in 1915, the initial focus of regulation was the protection of oil and gas resources in the State from production practices that could harm the ultimate level of hydrocarbon recovery. Early DOGGR regulations included well spacing requirements and authority to limit production rates. However, those regulations and the focus of DOGGR evolved and came to include the protection of public health, safety, and the environment.

DOGGR has grown significantly since it was established in 1915 and has taken major steps to ensure it will be able to handle challenges in a manner consistent with public expectations for a modern, efficient, collaborative, and science-driven regulatory agency.

DOGGR Districts

DOGGR operates out of four districts to best serve the needs of the State: Northern, Coastal, Inland, and Southern. Each district has its own offices where staff are available to assist the public and stakeholders with any requests. For more information about DOGGR, visit DOGGR's website.

DOGGR Districts (Click on image for larger view.)

Executive Summary

The Department of Conservation (DOC) submits this report to satisfy the legislative report requirements of Assembly Bill 2729 (AB 2729) (Williams, Ch. 272, Statutes of 2016) regarding the status of idle and long-term idle wells (LTIW) for the 2018 calendar year. This report spans the period between January 1, 2018 and December 31, 2018.

Oil and gas wells that are not operated and maintained on a regular basis present several hazards to the environment as well as public health and safety. Deteriorating wells can create a conduit for contaminants such as hydrocarbons, lead, salt and sulfates to enter freshwater aquifers and pose potential risks to surface water, air quality, soils and vegetation.

Idle wells also present a liability risk to California. Operators with a large inventory of idle wells may be postponing the cost to permanently plug and abandon the wells for financial reasons. If the operator becomes insolvent, the State may inherit liability to plug those idle wells.

Because of the risk and potential liability posed by idle wells in the State, DOC sponsored AB 2729 to discourage operators from leaving their wells in an idle state. Specifically, AB 2729 established new definitions for "idle well" and "long-term idle well," updated fees assessed on idle wells, revised parameters for plans for the management and elimination of long-term idle wells (LTIW), and mandated the review, evaluation, and update of DOGGR idle well regulations. The reporting period addressed in this report reflects DOGGR's first year implementing these revised statutory requirements. DOGGR invested significant resources in 2017 and 2018 to prepare for implementation, including processes to identify idle wells under the new definition, calculate and invoice new fee requirements, track fee payments, facilitate Idle Well Management Plan (IWMP) requirements, approve submitted IWMPs, and monitor IWMPs for compliance and annual reviews.

In 2018, DOGGR collected $4.3 million in idle well fees for all wells that met the definition of idle well in the preceding calendar year. DOGGR also oversaw the implementation of 76 IWMPs, resulting in the elimination of 988 LTIW. These numbers represent a substantial increase in revenue available to remediate hazardous well conditions to protect public health and the environment, and a dramatic increase in the rate of plugging LTIWs. Additionally, DOGGR updated its regulations for the management and testing of idle wells. These idle well regulations provide for the most rigorous testing standards for idle wells in the country to prevent damage to life, health, property, and natural resources. DOGGR anticipates that the new rules will further accelerate plugging of idle wells and LTIW.

The following key facts are included in this report:

- 29,292 wells met the definition of idle well and 17,576 of those met the definition of long-term idle well at some point during the reporting period.
- During the reporting period, the status of 1,346 idle wells changed from idle to plugged.
- During the reporting period, the status of 107 idle wells changed from idle to active.
- 76 operators submitted IWMPs for DOGGR approval.
    - 52 operators were found to be in compliance with the terms of their approved IWMPs at the conclusion of DOGGR's annual review.
    - 16 operators voluntarily voided their 2018 IWMP and filed idle well fees, totaling $461,550 to remain in compliance with Public Resources Code section 3206.
    - Eight operators had their IWMP canceled by DOGGR due to failure to comply with the terms of their approved IWMPs. Two of the operators paid the idle well fees owed, and DOGGR is pursuing enforcement action against the remaining six operators. Four other operators received a Notice of Cancellation from DOGGR and appealed the cancellations, but in each of those cases the issues were resolved. Those four operators are included in the 52 operators found to be in compliance.

- Based upon the terms of the approved IWMPS, operators were expected to eliminate a minimum of 596 LTIW across the State.
    - Operators eliminated 988 LTIW, significantly exceeding expectations.
    - 9 operators eliminated more long-term idle wells than was required by their approved IWMP, resulting in those operators earning 453 elimination credits, which can be used for IWMP compliance for up to two years.
- DOGGR issued orders to plug wells to 14 operators in response to failure to file idle well fees in 2018.
- The final draft of the Requirements for Idle Well Testing and Management regulations were submitted to the Office of Administrative Law on December 21, 2018 and took effect on April 1, 2019.

In sum, this report demonstrates that DOGGR has made significant progress to identify idle wells, increase funds to address wells that have not been appropriately plugged, and work with operators to reduce the overall inventory of idle wells.

This report is divided into two parts: Part 1 summarizes the objective and scope of this report and Part 2 fulfills the legislative reporting requirements prescribed in Public Resources Code section 3206.3. The appendices provide the most current lists of idle wells, references and sources of the data, and a glossary of terms.

Introduction

Objective and Scope of Report

This report provides a comprehensive accounting of the idle well population to the California Legislature and the public. This report covers the idle well counts, orphan well counts, and IWMP statistics in California from January 1, 2018 through December 31, 2018.

A primary concern with idle wells is that they pose a risk to underground sources of drinking water and are possible sources of hydrocarbon emissions. Deteriorating wells can become conduits for contamination because many go through a fresh water resource. Poorly maintained idle wells can be sources of methane and hydrogen sulfide leaks. Additionally, a large inventory of idle wells pose an increased risk that wells will become deserted when operators become financially insolvent, potentially leaving the State to fund environmental remediation.

To address these problems, DOC sponsored AB 2729 to increase bonding requirements, require operators to maintain bonds for the life of the well, increase idle well fees, reauthorize the use of idle

well management plans, and direct DOGGR to promulgate regulations to better protect public health, safety, natural resources, and the environment from risks associated with idle wells.

This report presents idle well information drawn from operator records submitted to DOGGR. These records include monthly volumetric reporting, IWMPs, and well histories required for permits to abandon wells.

Public Resources Code section 3206.3(a)(1) requires that this report address the following:

1. A list of all idle and long-term idle wells in the State by American Petroleum Institute identification number, operator, field, and pool.
2. A list of all wells whose idle or long-term idle status changed in the preceding year by American Petroleum Institute identification number with the disposition and current status of each well.
3. A list of orphan wells remaining, the estimated costs to abandon those orphan wells, and a timeline for future orphan well abandonment with a specific schedule of goals. Idle and LTIW that have become orphan wells shall be identified in the list. For the purposes of this report, an orphan well is a well that has no party responsible for it, leaving the State to plug it.
4. A list of all operators with plans filed with the Supervisor for the management and elimination of all long-term idle wells and the status of those plans.
5. Any additional relevant information as determined by the Supervisor.

Contact Information

For more information about the Idle Well Program, visit the Idle Well program webpage.

For questions regarding the content of this report, contact DOC's Public Affairs Office.

Acronyms and Abbreviations

DOGGR: Division of Oil, Gas, and Geothermal Resources

IWMP: Idle Well Management Plan

LTIW: Long-term idle wells

NTO: Notice to Operators

PY: Personnel Year

WellSTAR: Well Statewide Tracking and Reporting

Idle and Long-Term Idle Wells in California

1. Idle and Long-Term Idle Wells

Public Resources Code section 3206.3(a)(1)(A): A list of all idle and long-term idle wells in the state by American Petroleum Institute identification number and indicating the operator, field, and pool.

Public Resources Code section 3206.3(a)(1)(B): A list of all wells whose idle or long-term idle status changed in the preceding year by American Petroleum Institute identification number with the disposition and current status of each well.

See Appendix A-1 for the list of all wells that met the definition of idle well at any point in the 2018 calendar year.

See Appendix A-2 for the list of all wells that had a status change from idle to long-term idle in the 2018 calendar year.

See Appendix A-3 for the list of all wells that had a status change from idle well to plugged.

See Appendix A-4 for the list of wells that had a status change from idle well to active.

1.1 Idle and Long-Term Idle Wells in the State

In alignment with the 2017 Renewal Plan (for more information: Renewal Plan), DOGGR remains committed to improving its data management via deployment of the WellSTAR application. As of March 1, 2018, DOGGR implemented the WellSTAR release associated with reporting of monthly produced and injected volumes of oil, gas, and water as required in accordance with California Code of Regulations Title 14 section 1937.1 (d) and (e). This release changed the process for how operators report the monthly volumes to DOGGR. The reporting of monthly volumes is critical to the identification of idle wells and wells that return to active status. DOGGR utilizes the monthly reported volumes for each well in the State to evaluate which wells meet the definition of idle well and which wells qualify to have their status changed from idle to active.

The 2017 idle well inventory contains all wells that met the new definition of idle well and long-term idle well at any point in the 2017 calendar year. This inventory was updated by DOGGR when an operator self-reported a well changing status and DOGGR was able to verify the change and when an idle well was plugged and abandoned in accordance with Public Resources Code section 3208.

At the end of this reporting period, a known 29,292 wells met the definition of idle well at some point during the 2018 calendar year. Based on DOGGR's idle well inventory records, DOGGR estimates that an additional 1,200-2,400 wells became idle in 2018 which are unaccounted for in the 2018 inventory. Of the total idle well population, 17,576 idle wells had been idle for eight or more years at any point during the 2018 calendar year and thus meet the new statutory definition of long-term idle well.

1.2 Idle and Long-Term Idle Wells That Changed Since 2018

As of January 1, 2018, an estimated 29,324 wells were classified as idle wells and 17,595 of these idle wells were classified as LTIW. As of December 31, 2018, an estimated 28,032 wells were classified as idle wells and 17,870 of these idle wells were classified as LTIW. A total of 1,287 idle wells changed status to LTIW during the calendar year.

During the 2018 reporting period a total of 1,453 wells no longer met the definition of idle well. A total of 1,346 idle wells changed status from idle to plugged as they were plugged in accordance with Public Resources Code section 3208. A total of 107 idle wells are known to have changed status from idle to active. These wells returned to active status as a result of maintaining production of oil or natural gas, maintaining production of water used in production stimulation, or being used for enhanced oil recovery, reservoir pressure management, or injection for six continuous months within the year (Public Resources Code section 3008(d)). Due to the issues generating the idle well inventory described in section 1.1, DOGGR does not yet have an accurate accounting of all idle wells that changed status from idle to active during this reporting period.

2. Orphan Wells

Public Resources Code section 3206.3(a)(1)(C): A list of orphan wells remaining, the estimated costs of abandoning those orphan wells, and a timeline for future orphan well abandonment with a specific schedule of goals. Idle and long-term idle wells that have become orphan wells shall be identified in the list. For the purposes of this report, an orphan well is a well that has no party responsible for it, leaving the state to plug and abandon it.

See Appendix A-5 for the list of idle wells determined to be deserted.

2.1 Orphan Well Process

For purposes of this report, an orphan well has been defined as "a well that has no party responsible for it, leaving the State to plug and abandon it" (Public Resources Code section 3206.3(a)(1)(C)). DOGGR's determination that a well is orphan is a multi-step process that requires DOGGR to determine whether the well has been deserted by the operator, and then to determine whether there is

a solvent entity responsible to plug the well. Therefore, the number of orphan wells identified in this report only reflects those orphan wells for which DOGGR has gathered sufficient information to issue a finding of desertion, and for which DOGGR has completed a financial solvency test.

Before issuing an order to plug a well, DOGGR must gather sufficient evidence to demonstrate the well has been deserted. If the operator fails to respond to the plugging order, then DOGGR will conduct a financial solvency test to decide whether to commit resources to enforcing the order or simply declare the well orphan. The financial solvency test is a factual inquiry into the solvency of the current operator and any other party responsible for plugging the well under Public Resources Code section 3237. If DOGGR determines the current operator does not have the financial resources to fully cover the cost to plug the well, previous operators that made a valid transfer after January 1, 1996, may be held responsible for the cost to plug the well (Public Resources Code section 3206.3(c)(1) & (2)). The statute does not allow DOGGR to hold a mineral interest owner responsible to plug the well unless the mineral interest owner retained a right to control the well operations that exceeds the scope of an interest customarily reserved in the lease (Public Resources Code section 3237(c)(3)). If, after researching the financial solvency for all potentially responsible parties, DOGGR determines there is no party with the financial resources to fully cover the cost to plug the well, the well can be declared orphan (Public Resources Code sections 3237(c)(1), 3251(b) & (e), 3206.3(a)(1)(C)).

DOGGR is continuing to gather evidence of desertion and conduct financial solvency tests for wells that are likely orphaned. The statutory changes implemented under AB 2729 have provided DOGGR the ability to more easily identify the wells that are likely orphan. Failure to comply with the new idle well requirements is conclusive evidence of desertion of the well. DOGGR's comprehensive efforts to implement and enforce these new requirements are facilitating systematic identification of each deserted well for which there is no solvent responsible party (Public Resources Code section 3206(c)).

The orphan well process can include multiple wells associated with the same operator and takes approximately 4-6 months to complete per order. Completion of the orphan process may result in the determination that the well is orphaned or identification of a solvent responsible party.

2.2 Orphan Well Inventory

DOGGR's Idle Well Program and Enforcement Unit are actively working the orphan well process to identify idle wells that have been deserted and for which there is no solvent responsible party, and can be considered orphan. During the 2018 reporting period, DOGGR issued orders to plug wells to 14 operators for a total of 55 idle wells. Eight operators failed to respond to the plugging orders resulting in the identification of 35 deserted wells.

The solvent entity research on the 35 deserted wells was still ongoing at the end of this reporting period with no wells being declared orphan on or before December 31, 2018. DOGGR estimates there

are approximately 2,500 idle wells belonging to 943 operators that may be deserted and require orders to plug wells to initiate the orphan well process. An analysis of prior transfers and financial responsibility will require sustained effort.

2.3 Cost of Abandonment

Plugging costs on deserted wells are highly variable and, in many cases, difficult to predict. When an operator plugs one of their own wells, they are generally aware of the situation at a well including problems with obstructions that they may encounter based on having worked with the well. When DOGGR approaches a hazardous deserted well that could be as old as 100 years, it may not know if the previous operator had attempted to plug it in the past, what material may have been emplaced in the well, if the casing is intact, and other information that is critical to understanding potential cost drivers in a plugging job. Costs can range from as low as $11/foot in a well in Kern County if the project goes smoothly to well over $200/foot in an urbanized area with high ancillary costs, such as temporarily moving utility lines, higher staging and mobilization costs, and where “junk” obstructs downhole operations and leads to delays and cost overruns.

More detailed estimates will be provided in the next reporting period as DOGGR will have completed the orphan well process for the deserted wells identified in the section 2.2 and awarded contracts to plug and abandon those wells declared orphan.

2.4 Timeline of Future Orphan Well Abandonment

DOGGR is appropriated funds annually to plug wells that have been declared orphan. Senate Bill 724 (SB 724) (Lara, Chapter 652, Statutes of 2017) temporarily increased the annual appropriation for orphan well abandonment from $1 million to $3 million per fiscal year commencing on July 1, 2018 (Public Resources Code section 3258(a)(1)). This appropriation will revert to $1 million per fiscal year commencing with the 2022-2023 fiscal year. DOGGR intends to utilize the full amount of these funds annually to plug orphan wells.

Based on the cost range provided above, it is estimated that 23 to 100 wells may be plugged and abandoned for fiscal years 2018-2019 through 2021-2022. For fiscal year 2022-2023 and beyond, an estimated 7 to 33 wells may be plugged and abandoned annually. These annual benchmarks will fluctuate depending on the cost to plug each orphan well. Many of the costs to plug wells are driven by conditions downhole that remain unknown until projects commence work. The prioritization of orphan wells to be plugged each year will be based upon the prioritization factors for idle wells described in California Code of Regulations Title 14 section 1772.4, which includes economic efficiencies associated with grouping wells by location.

DOGGR utilized the 2018 reporting period to develop and implement a more standardized orphan well process, including new methods to identify wells that may be orphan. The 35 wells that commenced the orphan well process in 2018 will complete the process in 2019. The wells from this grouping that have been determined to be orphan will be plugged and abandoned using the appropriated funds for the 2018-2019 fiscal year.

DOGGR is working to streamline both the orphan well determination and contracting processes. This year will also be used to identify orphan wells to plug in Fiscal Year 2019-2020 and build a queue of orphan wells for subsequent fiscal years.

The identification of wells requiring the orphan well process will be an ongoing effort. The two most common means by which these wells may be identified are: 1) failure to file annual idle well fees; and, 2) identification at the DOGGR district level based on finding of desertion under Public Resources Code section 3237.

3. Plans for the Management and Elimination of Long-Term Idle Wells

Public Resources Code section 3206.3(a)(1)(D): A list of all operators with plans filed with the supervisor for the management and elimination of all long-term idle wells and the status of those plans.

See Appendix A-6 for the list of operators with 2018 IWMPs and their status.

3.1 Idle Well Management Plans

Under Public Resources Code section 3206(a)(2), operators may, in lieu of paying annual idle well fees, file an IWMP that provides for the management and elimination of all the operator's LTIW. An operator may eliminate a LTIW by either properly plugging and abandoning the well in accordance with the requirements of Public Resources Code section 3208 or demonstrating to DOGGR's satisfaction that the well has maintained production of oil or gas or been used for injection for a continuous six-month period.

Under the requirements of AB 2729, IWMPs must commit operators to eliminating a minimum percentage of their LTIW each calendar year. The required rate of elimination of LTIW is based on the total number of statewide idle wells in the operator's possession on January 1 of each year. Unless and until the operator has no LTIW, the operator must eliminate the required rate of wells annually. The required elimination rates are as follows:

- Operators with 250 or fewer idle wells must eliminate at least 4% of their LTIW.

- Operators with 251 to 1,250 idle wells must eliminate at least 5% of their LTIW.
- Operators with more than 1,205 idle wells must eliminate at least 6% of their LTIW.

Public Resources Code section 3206(a)(2)(B)(iii) affords operators the opportunity to receive credits for eliminating greater than the minimum required number of LTIW. These credits may be applied to future minimum elimination requirements in the operator's IWMP but expire after two years.

In this reporting period, DOGGR received and approved IWMPs from 76 oil and gas operators. Based upon the terms of the approved IWMPS, operators were expected to eliminate a minimum of 596 LTIW. Operators significantly exceeded the expected number of eliminations and eliminated 988 LTIW. 19 operators eliminated more LTIW than was required by their approved IWMP, resulting in those operators earning 453 elimination credits, which can be used for IWMP compliance for up to two years. On January 1, 2019, the Supervisor conducted an annual review of each 2018 IWMP which yielded the following results:

- 52 operators were found to be in compliance with the terms of their approved IWMPs.
- 988 LTIW were eliminated in 2018 as part of approved IWMPs.
- Four operators eliminated all their LTIW in the State. Two of these operators plugged all their idle wells in the State.
- 16 operators voluntarily voided their 2018 IWMP and filed idle well fees, totaling $461,550 to remain in compliance with Public Resources Code section 3206.
- Eight operators had their IWMP canceled by DOGGR due to failure to comply with the terms of their approved IWMPs. Two of the operators paid the idle well fees owed, and DOGGR is pursuing enforcement action against the remaining six operators. Four other operators received a Notice of Cancellation from DOGGR and appealed the cancellations, but in each of those cases the issues were resolved. Those four operators are included in the 52 operators found to be in compliance.

3.2 Non-Compliant Idle Well Management Plans

If an operator fails to comply with their approved IWMP, then the IWMP for that operator is revoked and the operator is not eligible to propose a new IWMP for any of its idle wells for the next five years. An operator may appeal to DOC's Director regarding the Supervisor's determination of non-compliance. If the Supervisor's determination that the operator failed to comply with the IWMP is not timely appealed, or if the Director upholds the Supervisor's determination upon appeal, then the operator is required to immediately file the idle well fees due for each year that the operator failed to comply with the IWMP.

Furthermore, failure to file the idle well fee due for any well is conclusive evidence of desertion, permitting the Supervisor to order the well abandoned pursuant to Public Resources Code section

3237.

DOGGR issued Notices of Cancellation to 12 operators for failing to comply with the requirements of the IWMPs submitted in 2018. One operator appealed the Notice of Cancellation and provided the required documentation to demonstrate compliance resulting in rescission of the Notice of Cancellation. Three operators appealed the Notice of Cancellation and settlement agreements were reached. Eight operators had their IWMPs revoked as they failed to appeal the cancellation of their plan and to pay the required idle well fees. Two operators had their IWMP revoked and filed the idle well fees required.

3.2.1 Notice of Cancellation – Rescinded

DOGGR rescinded one Notice of Cancellation after the operator provided the necessary documentation to demonstrate compliance. During this demonstration, DOGGR determined that the operator exceeded the minimum elimination requirement in its IWMP. This operator is eligible to propose an IWMP for the 2019 calendar year.

- E & B Natural Resources, Operator Code E0100

3.2.2 Notice of Cancellation - Settlement Agreements

DOGGR reached settlement agreements with all three operators that appealed the Notice of Cancellation.

- TEG Oil & Gas U.S.A., Inc., Operator Code T0135
- First Oil and Gas Company, Operator Code T0275
- HVI Cat Canyon, Operator Code G3515

3.2.3 Notice of Cancellation – IWMP Revoked

DOGGR revoked the IWMPs for eight operators that failed to appeal the cancellation of their plan. These operators will be prohibited from submitting an IWMP for five years, regardless of whether the operator pays the required fees in future years.

Two operators filed the idle well fees due in response to the Notice of Cancellation.

- White Knight Production LLC, Operator Code W2050
- Miocene Operating Services Inc, Operator Code M6655

Six operators have failed to pay the required idle well fees. DOGGR is pursuing enforcement action against these operators in 2019 and will provide the results in the 2020 Annual Report on Idle and Long-Term Idle Wells in California.

- Caltico Oil Corp., Operator Code C1380
- H2O-CH4, LLC, Operator Code H0070
- Citadel Exploration Inc, Operator Code C5845
- R. J. Bellevue, Inc, Operator Code B3079
- Valid Energy Company, Operator Code V0175
- Jaco Production Company, Operator Code J0700

4. DOGGR Enforcement

DOGGR's Idle Well Program and Enforcement Unit work closely together to pursue enforcement actions against operators that fail to comply with idle well statutory and regulatory requirements. During this reporting period, DOGGR's Idle Well program focused primarily on failure to file idle well fees and comply with IWMPs. Failure to file the annual idle well fee prescribed in Public Resources Code section 3206(a) is conclusive evidence of desertion. This permits the Supervisor to order that the well be plugged pursuant to Public Resources Code section 3237.

Idle well fees are assessed annually for the preceding calendar year. During this reporting period, idle well fees were assessed based on the idle well inventory for the 2017 calendar year. In this effort, DOGGR collected $4,311,200 in idle well fees in 2018. DOGGR identified 957 operators that failed to file idle well fees for 2,555 idle wells in 2018. Within the reporting period, 14 of these operators were issued orders to plug 55 wells. There is also a backlog of pending orders for 943 operators to plug a total of 2,500 idle wells.

These enforcement efforts support the orphan well process as described in section 2.1 of this report. Future enforcement efforts will expand the focus to comply with new idle well regulations in addition to statutory requirements.

Appendix A - Idle Well Lists

A-1 2018 Calendar Year Idle Well Inventory

List of all wells that met the definition of idle well at any point in the 2018 reporting period. The list includes the API number and designation of the well, well type, operator, field, pool, idle start date, and LTIW status identified for each well.

A-2 Idle Wells That Changed Status from Idle to Long-Term Idle Well

List of all idle wells that met the definition of LTIW for the first time in the 2018 reporting period. The list includes the API number and designation of the well, well type, operator, field, pool, and idle start date.

A-3 Idle Wells That Changed Status from Idle to Plugged

List of all idle wells that changed status to plugged in the 2018 reporting period. The list includes the API number and designation of the well, well type, operator, field, pool, and idle start date.

A-4 Idle Wells That Changed Status from Idle to Active

List of all idle wells that changed status to active in the 2018 reporting period. The list includes the API number and designation of the well, well type, operator, field, pool, and idle start date.

A-5 Idle Wells Determined to be Deserted

List of all idle wells that have been determined to be deserted. The list includes the API number and designation of the well, last known operator, field, and order number and date for each well. These wells commenced the orphan well process in 2018.

A-6 Operators with 2018 IWMPs & Current Status

List of all operators with IWMPs submitted in 2018 and the status of each IWMP as of the annual review, including the minimum number of LTIW required to be eliminated, the actual number of LTIW eliminated, and credits earned for LTIW eliminated in excess of the minimum requirement.

Appendix B - References and Data Sources

The following were used as references for this report:

- California Statutes and Regulations for Conservation of Oil, Gas, and Geothermal Resources (April 2019)
- Notice to Operators 2018-03: WellSTAR Release 2.0 – New and updated forms, e-permitting, and electronic reporting (March 7, 2018).
- Notice to Operators 2018-14: WellSTAR – New and updated forms, and electronic reporting (December 7, 2018).
- Notice to Operators 2019-01: WellSTAR – New and updated forms, and electronic reporting (January 15, 2019).
- Renewal Plan for Oil and Gas Regulation: Changing past practices to usher in a new era of oil and gas regulation (October 2015).

The following were used as data sources for this report:

- California Well Information Management System (CalWIMS) is an internal electronic database used to maintain, monitor, and track well information.
- IWMP documents submitted by operators.
- WellSTAR: Well Statewide Tracking and Reporting a new electronic database used to maintain, monitor, and track well information.
- WellSTAR: Internal database used to maintain, monitor, and track well information pertaining to monthly production and injection volumes. Decommissioned March 2018.

Appendix C - Glossary

AB 2729

AB 2729 (Williams, Ch. 272, Statutes of 2016) redefined an idle well and a long-term idle well; removed the option for a large operator to secure an escrow account or post a “super blanket bond” to avoid paying idle well fees; allowed an operator to implement an IWMP in lieu of paying idle well fees; and provided a means through which a person who acquires land with one or more wells on it to re-plug and abandon the well(s). It also required the Supervisor, on or before July 1, 2019, and annually thereafter until July 1, 2026, to submit to the Legislature a comprehensive report on the status of idle and LTIW for the preceding calendar year.

Idle Well

Public Resources Code section 3008, subdivision (d): “Idle well” means any well that for a period of 24 consecutive months has not either produced oil or natural gas, produced water to be used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection. For the purpose of determining whether a well is an idle well, production or injection is subject to verification by the division. An idle well continues to be an idle well until it has been

properly abandoned in accordance with Section 3208 or it has been shown to the division's satisfaction that, since the well became an idle well, the well has for a continuous six-month period either maintained production of oil or natural gas, maintained production of water used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection. An idle well does not include an active observation well.

Idle Well Fees

Public Resources Code section 3206, subdivision (a)(1): No later than May 1 of each year, for each idle well that was an idle well at any time in the last calendar year, file with the Supervisor an annual fee equal to the sum of the following amounts: (A) One hundred fifty dollars ($150) for each idle well that has been an idle well for three years or longer, but less than eight years. (B) Three hundred dollars ($300) for each idle well that has been an idle well for eight years or longer, but less than 15 years. (C) Seven hundred fifty dollars ($750) for each idle well that has been an idle well for 15 years or longer, but less than 20 years. (D) One thousand five hundred dollars ($1,500) for each idle well that has been an idle well for 20 years or longer.

Idle Well Management Plan (IWMP)

Public Resources Code section 3206, subdivision (a)(2): File a plan with the Supervisor to provide for the management and elimination of all LTIW. (A) For the purposes of the plan required by this paragraph, elimination of an idle well shall be accomplished when the well has been properly abandoned in accordance with Section 3208, or it has been shown to the division's satisfaction that, since the well became an idle well, the well has maintained production of oil or gas or been used for injection for a continuous six-month period.

Long-Term Idle Well (LTIW)

Public Resources Code section 3008, subdivision (e): "Long-term idle well" means any well that has been an idle well for eight or more years.

Measured Depth

The length of the wellbore measured along the path of the well.

Plug and Abandon

Public Resources Code section 3208, subdivision (a): For the purposes of Sections 3206 and 3207, a well is properly abandoned when it has been shown, to the satisfaction of the Supervisor, that all proper steps have been taken to isolate all oil-bearing or gas-bearing strata encountered in the well, and to protect underground or surface water suitable for irrigation or farm or domestic purposes from the infiltration or addition of any detrimental substance and to prevent subsequent damage to life, health, property, and other resources. For purposes of this subdivision, proper steps include the plugging of the well, decommissioning the attendant production facilities of the well, or both, if determined necessary by the Supervisor.

SB 724

SB 724 (Lara, Ch. 652, Statutes of 2017) temporarily increased funding to plug and remediate deserted oil and gas wells and oil field facilities from $1 million to $3 million. It required the Division to establish criteria to prioritize deserted wells and facilities for remediation. This bill made several technical and conforming changes to the Public Resources Code related to time lines for permitting and idling of oil wells. This bill clarified existing law to specify that the Division, as a part of an order requiring the plugging and abandonment of a deserted well, may also require the operator to address the adjacent production equipment associated with the well and conduct site remediation if necessary.

IDLE WELL MENU

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Managing Environmental Liability: An Evaluation of Bonding Requirements for Oil and Gas Wells in the United States

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Supporting Information

ABSTRACT: Inactive oil and gas wells present an environmental hazard if not properly plugged. Upon drilling a well, operators are required to post a bond, which ensures that the operator has an incentive to plug and abandon (P&A) at the end of the well's life, and that, if the state is left with the liability of managing "orphaned" wells, it can cover the cost of P&A. Using data from 13 state agencies on their orphaned well plugging expenditures, we provide new estimates of P&A costs in the United States and compare them to bond amounts. Current state bonding requirements are insufficient to cover the average P&A cost of orphan wells in 11 of these 13 states. These should be reviewed and revised where necessary. We also examine the factors influencing P&A costs using detailed data on orphaned wells in Kansas. Given the variability of P&A costs, bonds would be more effective if they varied by factors that are meaningful in explaining P&A costs, such as well depth, location, and proximity to groundwater. State regulators can use the statistical approach developed in this paper to improve bonding requirements and to better predict the P&A costs of their orphaned wells.

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INTRODUCTION

In the United States, after an oil or gas well has suspended production for a period of time, state regulations require it to be permanently "plugged and abandoned" (P&A), and the land surrounding the well site reclaimed to resemble its original condition. Wells that are not properly plugged can leak methane,[1−3] a potent greenhouse gas. Inactive oil and gas wells which have not been properly plugged may also provide a pathway for surface runoff, brine, or hydrocarbon fluids to contaminate surface water and groundwater.[4−7] This can render the water nonpotable, especially if the brine has elevated total dissolved solids or contains naturally occurring heavy metals or radioactive materials.[8] The upward migration of fluids may occur especially if, in the process of horizontal drilling, hydraulically generated fractures intersect existing inactive wells that have not been properly plugged.[9] Well sites that are not properly reclaimed can contribute to habitat fragmentation[10] and soil erosion,[11] and equipment left on-site can interfere with agricultural land use and wildlife habitat.[12] Therefore, once a well has reached the end of its life, the owner is required to properly P&A the well and reclaim the surrounding land. In the rest of this paper, we refer to the entire process of decommissioning as plugging or P&A, unless we are specifically discussing reclamation.

As of 2007, across 26 oil and gas-producing states, there were an estimated 149,370 orphaned wells, that is, wells which have not yet been plugged and abandoned, yet no longer have a solvent owner.[13] However, these are state-reported numbers and capture only known wells. Pennsylvania has an estimated 470 000−750 000 orphan wells, with locations unknown.[14] Recent work has highlighted the varied quality of wellbore drilling records, making it challenging to ascertain the location of orphaned wells.[15] While the majority of orphaned wells are legacy wells that were drilled before well-permitting and well-plugging regulations were established, many are also modern wells that have become orphaned in spite of these regulations. For instance, in Texas, 38% of the state's list of 5850 orphaned wells (as of June 2017) were still producing up until 10 years ago.[16] In addition, some states have seen increases in the number of wells being orphaned amid falling oil prices and the recent industry downturn.[17]

At the time a well is drilled, an operator is required to post a bond that is returned only after the well is plugged. Such assurance bonds are useful mechanisms for forcing producers to take into account the potential external costs of their decisions.[18] They create an incentive to minimize end-of-life cleanup costs throughout all stages of the well's life, and shift the burden of proof from the regulator to the firm.[19,20] Bonds also help ensure that there will be adequate financial resources to correct any environmental damage that may occur in future.[21] Finally, bonding guarantees that if an operator fails to P&A, the state will have the financial resources (at least up to the bond amount) to cover P&A costs. Outside of the oil and gas industry, bonds are or can be used to regulate forestry,[22] industrial activities,[23] surface mining,[24,25] and coastal development.[26] Here we focus on the

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end-of-life liabilities of oil and gas wells; however, bonding mechanisms could also cover other risks associated with oil and gas extraction, such as water pollution.[27]

Despite requiring bonding, many states have accumulated large inventories of orphaned wells. These inventories may grow as complaints of neglected wells are reported, legacy wells are located, or companies become defunct.[28] Because of funding constraints, only a portion of these orphaned wells can be plugged each year,[29] meaning that the public faces the risk of environmental damage from the remaining wells. Existing research suggests that bond revenues have been insufficient to finance plugging costs in certain states; for instance, bond revenues in Texas covered just 16% of the cost of plugging orphaned wells in fiscal year 2015.[30] In such cases, the remaining costs must be financed with other funding sources, such as a state treasury. The Wyoming Oil and Gas Conservation Commission's 2013 plugging plan, for instance, recommends the use of conservation tax revenues to supplement bond revenues to finance the plan.[31] Well plugging funds are often also financed by industry fees. Supporting Information (SI) Table S1 lists the sources of funding for plugging in a number of states.

Understanding the factors that cause wells to become orphaned, as well as the liability that state agencies face, requires an understanding of the costs of P&A and how these compare to well bonds. If P&A costs exceed the required bond, the effectiveness of the bond is diminished. Further, it is common industry practice for large operators to transfer ownership of their wells to smaller operators when production rates decline, and regulators typically allow a lease to be transferred as long as the buyer can cover the cost of the bond attached to it. A low bond amount ensures that even a small operator can easily meet bonding requirements; however, these operators are less likely to have the financial means to bear the true cost of P&A[32,33] and are also more likely to declare bankruptcy.

This study offers an in-depth analysis of the costs of plugging orphaned wells in 13 states and how they compare to the bond amounts in each state. We show that current bond amounts are lower than the average cost of plugging orphaned wells in all but two of the 13 states analyzed. Our study updates and extends prior work that has been done. While there are some estimates of P&A costs in the literature, these are anecdotal,[32,34] limited to one state,[35] or focused only on wells on federal land under the jurisdiction of the Bureau of Land Management.[36,37] The only systematic review of plugging costs across all oil-and-gas-producing states reports cost estimates from 12 years ago,[13] whereas we provide updated estimates for 13 states that have had extensive plugging activity. Our recommendation to review and increase state bond amounts also echoes similar recommendations that have been made in the literature.[32,34,36] However, to our knowledge, ours is the first study to base this recommendation on a systematic comparison of bond amounts to historic average plugging costs.

In addition to its usefulness for assessing the adequacy of bonding requirements, obtaining accurate cost estimates is also useful for researchers and regulators attempting to predict the cost to plug existing inventories of orphaned wells.[29,32,35,37−39] Average cost estimates in the existing literature vary considerably, ranging from $630 per well in Missouri[13] to $700,000 in Pennsylvania.[32] This suggests that it is important to determine the factors driving this variation and to use these when predicting P&A costs. Thus, in addition to comparing P&A costs against bond amounts, we also use more detailed data provided by the state of Kansas to examine how various factors affect P&A costs.

The only cost factor that has been explored in the peer-reviewed literature to date is well depth. Andersen and Coupal (2009) use data on the costs of plugging a sample of 225 wells in Wyoming to estimate an average cost of $10.50 per foot of well depth, which they use to calculate an estimated total cost of $3.15 billion to plug the known inactive wells in Wyoming.[35] Mitchell and Casman (2011) use Andersen and Coupal's estimate of per foot costs in Wyoming to estimate the average cost of plugging a well in Pennsylvania.[32] We confirm that well depth is an important factor affecting P&A costs; however, it is not the only factor. There is also large spatial heterogeneity in P&A costs, implying that it is difficult to generalize costs across jurisdictions. By analyzing several major factors affecting P&A cost, we offer a framework and method for more accurately estimating P&A costs for any given population of wells.

The cost of a project may be high especially when it includes extensive site reclamation activities. For instance, in Colorado, seven reclamation projects were completed between 2013 and 2015, with costs ranging from $7,225 to $143,928.[40] The most expensive project involved removing two well pads and two access roads. Even for projects that do not involve reclamation projects, there can still be significant variation in plugging costs, as our analysis reveals.

MATERIALS AND METHODS

Data. We approached state regulators for data on their expenditures to P&A orphaned wells. Using the statistics reported by the Interstate Oil and Gas Compact Commission (IOGCC),[13] we ranked states by the number of wells plugged and number of orphaned wells. We prioritized, for data collection, states that had plugged more wells, had a larger number of orphaned wells, and had higher levels of production. From each state, we requested:

(1) costs for each well plugged or each contract completed (a plugging contract may involve more than one well);
(2) characteristics of the wells plugged, including location, depth, and completion date (the date the well was originally drilled and completed); and
(3) sample project contracts with itemized costs.

In total, we obtained cost data of varying quality for 31 821 wells in 13 states that were plugged between 1978−2015. We obtained sample contracts with itemized costs from five states, allowing us to compare the costs of individual project components in these states. One challenge in our study is the inaccessibility of data on private sector plugging costs and our corresponding reliance on data from states on plugging orphaned wells. Because of this, the average P&A costs that we present may not be representative of the costs of plugging all types of wells, including those plugged by operators. We consider this issue in the Results and Discussion section.

Kansas was the state with the most comprehensive data available on costs and well characteristics for the largest number of observations (5838). Therefore, we used Kansas data to analyze how specific factors affect P&A costs. The data do not indicate whether the wells are horizontal or whether they were hydraulically fractured; however, we can assume that these wells are mostly vertical, conventional wells. We deduce this from the age of the wells; the 400 wells for which we have age information were all drilled before 2000. Before 2005, there were only 86 horizontal wells in Kansas,[41] and while the first hydraulic fracturing operation in Kansas was in 1947,[42] modern hydraulic fracturing (combining horizontal drilling with high-volume,

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Table 1. Average Costs of Plugging in 13 States, in Ascending Order[a]

state	sample size	mean cost (our data)	standard deviation	median	minimum	maximum	mean cost (IOGCC 2008)
Plugging and Reclamation							
IN	480	10,470	10,232	7,651	483	89,845	8,423
NY	120	10,619					13,222
AR	612	11,053					5,636
PA	3,068	14,553	31,617	8,377	2,839	435,000	9,065
OH	2013	18,386	11,084	12,711	2,300	72,317	11,306
MT	312	20,373	31,617	11,006	274	263,596	16,522
CO	64	29,903	31,244	16,304	1,360	145,431	14,337
MI	289	78,715	66,285	62,076	474	575,945	55,376
Plugging Only							
KS	5,840	5,021	4,562	3,733	105	107,910	2,847
IL	2,013	7,617	8,008	7,087	394	341,004	4,063
TX	16,503	10,908					1,900
OK	394	15,205	13,900	10,948	1,706	100,000	3,508
CA	113	30,877					15,389

[a]Note: Costs are adjusted to 2014$ using the Producer Price Index for the oil and gas extraction industry from the Bureau of Labor Statistics. Not all states report data on the costs of plugging individual wells: five states had data on costs per well (PA, MT, KS, IL, and OK), six had costs per contract (IN, NY, OH, CO, MI, and CA), with multiple wells plugged in each contract, and two had total costs incurred by the state and the number of wells plugged in each year (AR and TX). States in the top panel report costs that include both plugging and site reclamation costs; the five states in the bottom panel report on only the costs of plugging. We do not report detailed summary statistics for four states because we do not have data that are sufficiently granular. See SI Table S4 for descriptions of each data set.

slick-water hydraulic fracturing) became mainstream only over the last two decades. Cost components include the costs of using equipment such as the drilling rig, pulling unit, backhoe, and vacuum truck; material costs for plugs such as cement or cast-iron bridge plugs; special services such as perforation or casing cuts; fees for waste disposal; and labor or supervision costs. Some contracts also include the cost of assessing the site prior to P&A operations and the cost of equipment mobilization and demobilization. Reclamation costs were not included.

Background on Factors Influencing Costs. Proper P&A is essential for mitigating the risk of methane leakage and groundwater contamination from these wells, as it ensures that the hydrocarbon zone is permanently isolated from surface water, land, and freshwater aquifers (known as "zonal isolation"). In particular, legacy wells may not have been drilled with sufficient well casings or completed with cement of sufficient density to ensure zonal isolation. Even with modern well constructions, however, migratory pathways may develop if the wellhead fails,[43] if the casing corrodes or collapses,[7] or if the cement shrinks.[1] The effective permeability of unplugged wells—that is, the wells' potential to leak methane—has been found to be higher than that of plugged wells.[9] In Ohio, over a 25-year period from 1983 to 2007, 41 of 185 occurrences of groundwater contamination from wells were due to leakage from orphaned wells; in Texas, the equivalent figure was 30 of 211 occurrences.[6]

The cost of permanently decommissioning a well includes the cost of P&A and the cost of site reclamation. P&A involves plugging the wellbore with cement,[43] with states imposing different requirements on the extent of cementing and type of cement to be used. The wellhead is then removed and the surface casing is cut off, sometimes above the surface so the well can be easily marked, and sometimes below the depth of a plow (typically around three feet) to ensure that the well does not interfere with surface and agricultural operations. Reclamation occurs after P&A and typically involves removing surface equipment, emptying and reclaiming pits, hauling waste to an off-site disposal facility, and restoring the surface. Depending on the original condition of the well site and its designated land use (e.g., urban or rural), the terms of the lease agreement, and the degree of contamination, the site reclamation process may also involve the treatment of contaminated soil and groundwater, removal of roads and flowlines, recontouring, and revegetation.[44−47]

Therefore, P&A costs can vary by several factors. Per-well plugging costs are likely to be higher when: wells are deeper; the well casing or cement is in poor condition (also associated with the well being older); plugging regulations are more stringent; the well site is densely vegetated and more difficult to access; the well is closer to rivers, streams, or groundwater aquifers; oil and gas production is booming and competition for plugging service providers is high; or fewer wells are plugged in a contract.

Regression Analysis using Data from Kansas. To study the factors affecting plugging costs in Kansas, we use five data sets (see SI for details) that provide data on (1) 9423 orphaned wells, (2) detailed well characteristics, (3) well location information, (4) oil and gas prices, and (5) land classification data.

We specify our model of factors affecting plugging cost as follows:

$$\log(C_{i,t}) = f(\mathbf{X}_i, P_t, \delta_i, t; \theta) + \varepsilon_{i,t}$$

where $C_{i,t}$ is the P&A cost in 2014$ for individual well i in year t. $\mathbf{X}_i$ is a vector of attributes associated with well i (depth, age, type of well, e.g. oil or gas, completion year, surrounding-area land use, and number of wells plugged in each contract). P_t is the oil price in year t in 2014$. We include district indicator variables, δ_i, to capture time-invariant differences across districts (such as geology or topography). We include a year trend, t, which captures a linear trend in costs over time, such as improvements in plugging technology over time. θ is a vector of parameters to be estimated. ε_{it} is a random error term. We estimate the equation using ordinary least-squares.

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RESULTS AND DISCUSSION

Heterogeneity in Costs Across States. Summary statistics across 13 different states show heterogeneity in cost (Table 1). In 11 of the states, average plugging costs in our sample are larger than those reported by the IOGCC in 2008. The nine states for which we are able to calculate more detailed summary statistics (i.e., median, minimum, etc.) have a median cost below the average, a large standard deviation, and a large range of costs. The most expensive projects cost significantly more than the average. This suggests that within-state average costs are skewed upward by especially expensive projects.

P&A costs vary with factors such as well depth, age, and the rates charged by different service providers. For instance, the hourly use of a drilling rig can cost $85 in Kansas and $240 in Pennsylvania. Perforation (used to circulate cement around an uncemented casing) can cost $210/run in Kansas, $760/run in Ohio, and $900/run in Texas. Prices can be different even within a state, with one service provider in Kansas charging $75/hour for the use of a pulling rig, and another charging $173/hour.

Reclamation costs also vary. We obtained three sample site reclamation contracts from the Oklahoma Energy Resources Board, an industry-funded government agency that manages site reclamation projects in the state. The three contracts for reclamation cost $8,000, $17,000, and $58,000, revealing a wide range of project costs and activities. The least expensive reclamation project involved the removal of flowlines, gravel and concrete, topsoil, and debris, followed by sodding (recontouring of soil and replanting of sod over disturbed areas). The most expensive reclamation project included the construction of a pond and removal of a road.

Our data illustrate that there is great spatial heterogeneity in the variables affecting costs. Thus, it cannot be assumed that plugging costs in any one state are representative of costs in general; this assumption has been made elsewhere in the literature.[32] Costs should instead be estimated on a state-by-state basis. In the following section we focus in on Kansas to reveal how different factors drive the variation in plugging costs in that state.

Factors Affecting P&A Costs: Descriptive Statistics for Kansas. We use a data set on orphaned wells plugged in Kansas between 1996 and 2013. We exclude injection, salt water disposal, and water supply wells and end up with a subsample that contains only oil and gas wells—6,147 of the 9,423 wells in the original database of orphaned plugged wells. Of these, we retain only wells with information on well depth and plugging cost, yielding a total of 5838 observations (see SI Table S2 for summary statistics).

These 5838 wells cost the state a total of $29.3 million to plug. Plugging costs for individual wells range from $105 to $107,910, with an average of $5,020 and a median of $3,733. Average costs are skewed upward by the more expensive projects. SI Figure S1 shows this long-tailed distribution of costs. Well depths range from 10 feet to 6250 feet, with an average of 787 feet. Only 428 observations (7.3% of our data set) have information available for the year in which the well was drilled, thus we can only calculate well age for these observations. Missing information is typical across other jurisdictions as well.[18] The wells in this subset of 428 orphaned wells were drilled between 1916 and 1999, with a mean year of 1973. They range from 3 years to 85 years of age with a mean age of 32 years. We observe that well depth and well age both correlate with plugging cost (SI Figures B2 and B3), although the correlation coefficient on well depth is larger (0.58) than that on well age (0.15).

Kansas introduced more stringent well construction regulations in 1982 and so we include an indicator for whether the well was drilled after 1985, allowing for a three-year lag for the regulation to have noticeable effects. Wells constructed following the implementation of this regulation are expected to have higher well integrity, which should make them cheaper to plug. Among the 428 wells with age data, 65 (15.2%) were drilled after 1985. SI Figure S4 shows the distribution of wells based on completion year for the subset of wells drilled between 1975 and 1995, as well as the average plugging costs by completion year. As expected, the data suggest that most of the expensive projects involved older wells.

Kansas is divided into four conservation districts (SI Figure S5). Average plugging costs are cheapest in District 3, located in the eastern part of the state. Oil drilling first began in eastern Kansas and moved west, such that the oldest and the shallowest wells are in District 3 (SI Table S3). The average well depth in District 3 is 636 feet, as compared with an average depth of 4029 feet in District 1 (located in southwest Kansas). Additionally, well age data are not available for 97% of the wells in District 3, suggesting that many of the wells in this district are older and were drilled before well permitting regulations were introduced. Thus, a well's district is likely to be correlated with plugging cost through a number of spatially correlated variables including well depth and well age. Although both are important factors affecting plugging costs, well depth is likely to have a stronger effect, as suggested by the larger correlation coefficient. Other spatially correlated variables that we are unable to observe in the data include district-specific plugging regulations and the degree of competition in the service provider market in each region.

Oil price is another factor likely to affect plugging costs. Oil prices fluctuated between $50 and $70 per barrel (2014$) between 1996 and 2003 (see SI Figure S6), then increased steadily.

Factors Affecting P&A Costs: Regression Results. Table 2 presents results from two regressions. Model (1) only includes well depth and district as explanatory variables. Because many of the wells in our data set were drilled before permitting requirements were introduced, the majority of the wells in the sample do not have a known drill date. So as not to lose these observations, but still estimate the impact of age, in Model (2) we include an indicator for whether age is known, and an interaction of the indicator with the age of the well. We also include oil price, plugging year, contract size, district dummies, well type, and land use.

We find that depth is positively correlated with plugging cost. A 1000-foot increase in depth is associated with a 34.4% increase in plugging costs (for the average well with plugging costs of $5,020, this implies a $1,720 increase). Wells whose age is known are 75.4% cheaper to plug relative to wells without age information, presumably because they are younger, having been drilled after well permitting regulations were introduced. Older wells are more expensive to plug: for those with age information, an additional year of age implies a 0.4% increase in plugging cost. As a well ages, extreme corrosion can cause its steel casing to collapse, and the cement used to seal well annuli can also shrink. Any uncemented or damaged casing must be recovered from the wellbore. If this is not possible, the casing is perforated and cement is squeezed through the perforations into the annular spaces. Perforation is an expensive process and adds significantly to total plugging costs.

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Table 2. Determinants of Plugging Costs[a]

variables	model (1) log(plugging cost)		model (2) log(plugging cost)	
depth (1000 ft)	0.344***	(0.022)	0.309***	(0.020)
I(age known)			−0.754***	(0.068)
I(age known) × age			0.004*	(0.002)
oil price			0.016***	(0.001)
plugging year			−0.076***	(0.003)
contract size			−0.002***	(0.000)
I(district = 2)	0.924***	(0.131)	0.535***	(0.118)
I(district = 3)	0.259*	(0.127)	−0.415***	(0.119)
I(district = 4)	0.458***	(0.110)	0.389***	(0.100)
I(type = oil)			−0.101***	(0.027)
% urban			0.003*	(0.001)
% water			0.011***	(0.003)
% agriculture			−0.004***	(0.001)
constant	7.750***	(0.135)	159.252***	(5.540)
observations	5,838		5,838	
adj. *R*-squared	0.210		0.366	

[a]Note: Observations are orphan wells plugged by the state of Kansas from 1996 to 2013. The dependent variable is the log of plugging cost. Standard errors are in parentheses. Statistical significance is denoted by *** $p < 0.001$, ** $p < 0.01$ and * $p < 0.05$.

Conversations with representatives from the KCC and industry suggest that oil prices are positively correlated with plugging cost. Well plugging service providers also provide contract services for oil production activities; thus, when oil prices and oil production are high, there is more competition and therefore higher prices for well plugging services, since providers shift from plugging wells to drilling wells. We observe this in our results, where a $1 per barrel increase in oil price is correlated with a 1.6% increase in plugging costs.

Well plugging costs are lower over time—a well plugged in a given year is, on average, 7.6% cheaper to plug than a well plugged the year before. This year trend controls for changes over time, but the coefficient should be interpreted with caution. For example, the decrease over time could be due to new plugging technologies that reduce cost. Alternatively, the KCC could have targeted the wells that presented the greatest environmental hazard in the early years of the program, such that the wells plugged later are cheaper to plug.

The hydrocarbon reservoir formations in different locations could have very different physical, chemical, and biological properties, such as salinity and indigenous microbial species,[48] which could impact well conditions. Thus, wells in one area may be subject to a greater risk of corrosion than in others, and these would be more expensive to plug. Further, competition can vary spatially: the market for service providers may be more competitive, and therefore prices would be lower, in some districts than in others. The indicators capturing the different districts control for similarities within the districts.

Larger contracts are associated with lower per-well plugging costs. An additional well in the contract is associated with a 0.2% decrease in plugging cost. This could be driven by economies of scale: with larger contracts, certain fixed costs, such as transportation costs, are spread over a larger number of wells. Alternatively, contractors with the lowest costs could be the ones taking on the largest projects. However, while statistically significant, the magnitude of the effect on P&A costs is not very large.

P&A costs for wells on urban land are more expensive than for those on barren land, grassland, wetlands, or forested land. Additionally, the proximity of a well to water increases P&A costs. We speculate that this could reflect the additional water protection or water monitoring measures required.

On average, gas wells are 10.1% more expensive to plug than oil wells. A possible explanation could be the different pressure gradients in each of these types of wellbores, where gas wells have higher wellbore pressures than oil wells and require more expensive plugging methods.

We caution against using these estimates from Kansas to estimate plugging costs elsewhere, particularly given that plugging costs in Kansas are on average less expensive than those in other states. Nonetheless, the methodology we demonstrate here can be replicated in other jurisdictions. Identifying the statistical correlation between cost factors and plugging costs, as we have done here, is a plausible method for estimating plugging costs for individual wells depending on their characteristics, or for estimating the total cost of plugging any given sample of inactive wells elsewhere in the country. However, the data needs for such an effort are not trivial. At present, many states do not maintain comprehensive and easily accessible data on historical P&A costs per well, well characteristics, or the current population of inactive wells in the state. Previous legislative audits have also commented on this data

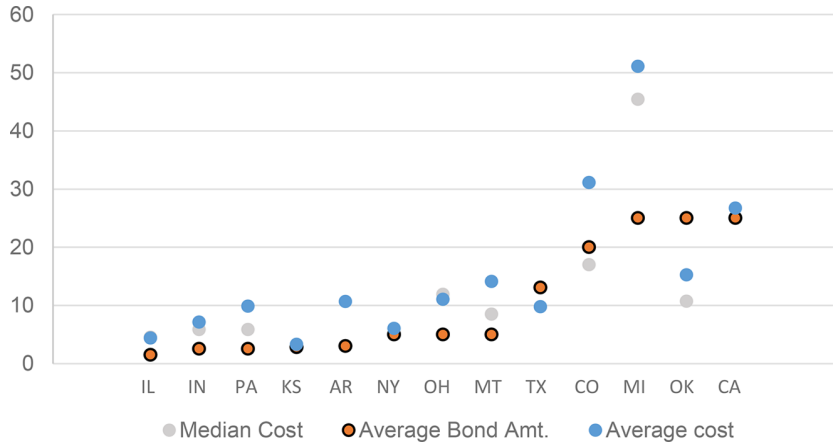

Figure 1. Average Costs ($'000) Exceed Average Bond Amounts ($'000) in 11 of 13 States Studied.

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deficiency.[37,38] With better data, states would be able to more accurately estimate the cost of decommissioning the wells at risk of becoming orphaned and those that pose elevated environmental risk, enabling a better understanding of the financial liability associated with the orphaned wells under their jurisdiction.

State Expenditures on Plugging Orphaned Wells Exceed Bond Amounts. We compare the average P&A costs in 13 states against the bond amounts that operators are required to provide to the state. Our results provide evidence that average P&A expenditures on orphaned wells exceed bond amounts, and therefore revenues collected via bonds are insufficient for the state to cover the cost of plugging orphaned wells under their jurisdiction. The bond amounts presented in Figure 1 are extracted from each state's regulations. In cases where bond amounts are calibrated by well depth (i.e. larger bonds are required for deeper wells), we calculate average bond amounts using estimates of the average well depth of inactive wells in the state. Note that in most states, operators are not required to post a separate bond to cover site reclamation costs; these costs are expected to be covered by the well bond. SI Table S5 provides a full description of our methodology for deriving these average bond amounts. The cost figures used for the comparison are nominal cost figures.

Ideally, rather than (or in addition to) comparing average costs against average bond amounts, plugging costs per well should be compared against the bond amount for each individual well. Even if average bonds were set to average costs, there may still be wells whose plugging costs far exceed the amount of the bond attached to them. However, we were only able to obtain per-well plugging costs for a significant population of wells for seven of the 13 states in our study. For these seven states, we present the results of a more detailed cost-versus-bond comparison below.

Our data on the costs of plugging orphaned wells reveal that average costs exceed average bond amounts in 11 of the 13 states, and median costs exceed average bond amounts in six of the nine states for which the appropriate data are available. Average bond amounts are more than sufficient to cover the cost of the cheapest projects; however, they fall far short of the most expensive projects (SI Table S5).

How frequently costs exceed bonds is useful for understanding the frequency with which states bear the burden of paying for P&A. In five of seven states for which data on per-well costs were available, more than half of the orphaned wells cost more to plug than the average bond amount. This suggests that in order to P&A orphaned wells, regulators in most states can currently expect to bear a burden of P&A costs in excess of bond amounts for the majority of orphaned wells. Note that we are not able to compare P&A costs against the actual bond attached to each well, since such detailed data on bond amounts are not available. Instead, we can only compare costs against the average bond amount that we estimate based on the bonding regulations and average well depth in each state (SI Table S5). In Pennsylvania, 98% of the wells (2824 of 2866) cost more to plug than the average bond; in Illinois, 97% (267 of 289); in Michigan, 94% (267 of 289); in Indiana, 79% (279 of 380); and in Montana, 75% (235 of 312). In Kansas, close to half of the wells cost more to plug than the bond (47%, 2725 of 5838 wells). Oklahoma was the only state where the wells that cost more to plug were a small percentage of the total number of wells plugged (16%, 26 of 165 wells). The state's financial burden can be exacerbated by very expensive projects. In Pennsylvania, the 99th percentile of projects cost at least $66,516—exceeding the bond by more than $64,000 for each project. In total, these 31 wells cost $2.98 million more than the total estimated amount of their bond.

To make up the shortfall between bonds and P&A costs, many states rely on a combination of permit and annual fees from industry, legislative appropriations, severance taxes, and environmental cleanup funds (see SI Table S1).

The difference between bonds and costs that we have presented here can be exacerbated by the use of blanket bonds. In most states, an operator has the option of filing a blanket bond for all of its wells in the jurisdiction, rather than posting individual bonds for each well. The blanket bond effectively offers operators a "quantity discount." In Michigan, blanket bonds can be posted for a maximum of 100 wells. Bonds for 100 wells with a depth of less than 2000 feet would cost $10,000 per well for a total of $1 million; however, a blanket bond for these 100 wells would cost only 10% of that amount. We do not have data on which operators posted blanket bonds as opposed to individual bonds. Therefore, it is important to note that our analysis only compares P&A costs against average *individual* well bonds and therefore is a lower-bound estimate of the liability held by the state.

A second important issue is that our data describe the states' costs of plugging *orphaned* wells, which may be higher or lower than the costs incurred by private operators. Why might orphaned wells be cheaper to plug? According to a representative from the KCC, government contracts may be less expensive than private contracts as the former are less time-sensitive and also solicit multiple bids before deciding on the most cost-effective option. In addition, orphaned wells are typically older and shallower than wells with an owner, and may therefore be cheaper to plug because they are shallower. On the other hand, orphaned wells may also be more expensive to plug, since many are from an earlier era of oil drilling and may be in worse condition. In addition, the state may not have comprehensive information on well construction for orphaned wells and may thus need to spend more on diagnostic work to assess the scope of P&A work to be done.

Furthermore, the average cost of plugging an orphaned well may be higher because of a selection issue: setting aside nonmonetary reasons to plug wells (e.g., reputational and license-to-operate concerns), a firm only has an incentive to plug a well when the bond exceeds the P&A costs, which means that the orphaned wells that states are left with are likely more expensive. This selection bias could be driving the pattern we observe in Figure 1, where state expenditures on orphaned wells tend to be higher in states with higher bonds. Therefore, we expect that states with higher bonds would be left with fewer wells, but the wells left would be more expensive to plug. Without data on all plugging costs, we do not know what percent of wells fall below the bond amount in each state. (Unobserved variables could also be driving this pattern: statewide conditions could make plugging more expensive, for example, deeper wells could lead states to have higher bond amounts.)

All of the above factors considered, and in the absence of private sector cost data, it is challenging to assess whether P&A costs for orphaned wells are likely to be representative of, higher than, or lower than P&A costs for all wells, including those plugged by operators. Nonetheless, our results still present compelling and policy-relevant evidence that average bond amounts have generally been insufficient to cover the average cost of plugging orphaned wells.

Finally, the average costs reported here are not necessarily an accurate predictor of the costs of plugging future wells. Most of the wells currently being drilled are horizontal wells, whereas

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most of the wells in this study are vertical wells, since the widespread use of horizontal drilling is a relatively recent development in the industry. Insights from conversations with state regulators and an industry representative suggest that the unit costs of plugging horizontal wells should not be different from that of plugging vertical wells, because only the vertical portion of the well is plugged. However, if horizontal shale gas wells are deeper then total costs per well would be expected to be greater.

DISCUSSION

As oil and gas development continues to grow in the U.S., ensuring that inactive wells are properly plugged by their operators is essential for protecting the public from the human health, environmental, and financial costs associated with these wells. Our research shows that bonding requirements in the majority of states we examined have been insufficient to cover the cost of plugging the average orphaned well. The result is that the state must draw on other revenues to cover the costs of plugging, and the public must bear the environmental cost of wells that remain unplugged due to a lack of state funds.

Should bond amounts required for oil and gas wells be raised? In theory, bond amounts could be set equal to the maximum potential cost so as to prevent situations where costs cannot be fully covered by the operator.[21] However, in practice, it is not necessarily the case that bonds should equal the maximum potential P&A cost.[19] Even if a bond is lower than P&A costs, firms still have an incentive to plug if there are litigation costs or reputational costs from not plugging. Furthermore, requiring a bond imposes a liquidity constraint on small operators,[20,21] although this can be partially offset by third-party surety or insurance companies. Another theoretical possibility, which we have highlighted above, is to adjust bond amounts according to projected liabilities. This approach has been used in the case of bonding requirements for surface mines under the Surface Mining Control and Reclamation Act in the U.S.[25] However, this approach adds to the cost of enforcing bonding regulations, as it would require more time and resources to project the likely costs of plugging, and to negotiate over bond amounts.[18]

While there are many factors to consider when determining the optimal bond amount, we show strong evidence that the current bonds are not sufficient to finance end-of-life expenditures for orphaned wells. If the regulator's goal is to ensure sustainable funding for plugging of orphan wells, then our results suggest that bonds are too low. Discouragingly, bond amounts for individual wells on Bureau of Land Management (BLM) land have not been updated since 1960.[36,37] On the other hand, in recent years, some states have increased their bonding requirements or have considered this possibility, including West Virginia, Maryland,[18] Wyoming,[49] Kentucky,[50] Missouri,[51] and Pennsylvania.[52] If this course of action is not possible, states should consider developing a fund for paying off funding shortfalls, using special assessments, severance taxes, or other revenue sources. In addition, the option for operators to post blanket bonds instead of individual well bonds should be reviewed. As has been highlighted in this paper and elsewhere in the literature,[18] the blanket bond option effectively provides operators a large quantity discount on bonds for a large number of wells, further exacerbating the difference between P&A costs and the bond on each well.

Furthermore, by requiring the same bond amount for all wells, there will be some operators that pay too much and some too little, given the large variation in P&A costs. This concern could be alleviated if bonds were to vary by factors that influence P&A cost, such as the ones we have found to be significant in our analysis (e.g., well depth, location, and proximity to groundwater). A few states already calibrate their bond amounts by well depth (see SI Table S4), though many do not. In addition, agencies could calibrate bond amounts with respect to an operator's compliance record, increasing bond amounts for operators that have a poor record. This could improve the incentive the incentive for operators to comply with environmental requirements.

It should be noted that our analysis and recommendations only partially address the issue of inactive and orphaned wells. Ensuring the adequacy of bonding regulations helps prevent the orphaning of wells drilled in the future. However, as noted in the introduction and as demonstrated by the incomplete data on well age in our Kansas data set, the majority of orphaned wells are legacy wells, some of which are not even accounted for in state records. The issue of identifying, managing, and funding proper P&A for these wells has been discussed in other publications.[9,38,53]

We have identified a number of questions that could inform future research. First, what is the optimal level at which state regulators should set bond amounts? We provide evidence that bonds do not cover plugging costs for orphaned wells, and that there is variability in P&A costs that would be better addressed by well-specific bonds. However, research on determining the optimal bond amount,[54] in light of the current liability regime, the trade-off between simplicity and well-specific bonds, and the impacts of liquidity constraints,[55] will be important to inform policymakers as they update their regulations. Second, how does increasing bond requirements change the rate at which wells are orphaned? In theory, this should reduce orphaning rates; however, to our knowledge, how well orphaning is affected by factors including bonding regulations has not been tested empirically. Third, how are plugging programs currently being financed across the states, and to what extent are these funding mechanisms meeting the needs of the programs? For instance, informal conversations with state agency representatives have revealed that a dependence on industry fees results in a decrease in plugging revenues during periods of low production—exactly when the number of orphaned wells would be expected to increase due to poorer financial performance in the industry.[56] SI Table S1 shows how plugging programs are currently financed in a number of states. Fourth, how prevalent is the use of blanket bonds, and why do states continue to offer this option to operators given how much it exacerbates the funding shortfall? Finally, what has enabled certain states to successfully introduce reforms to their bonding regulations while other states have not? The insights from such a study could inform the adoption of similar reforms in other states, and ultimately help strengthen regulatory protections against the environmental risk of inactive wells.

ASSOCIATED CONTENT

Supporting Information

The Supporting Information is available free of charge on the ACS Publications website at DOI: 10.1021/acs.est.7b06609.

A list of sources of funding for plugging orphaned wells in selected states, a description of the five data sets used for the regression analysis of factors affecting plugging costs, summary tables and figures describing these data, descriptions of the data obtained from the 13 states in

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our study on their orphaned well plugging costs, a more detailed comparison of plugging costs and average bond amounts (these are the data underlying Figure 1 in the article), and a test of multicollinearity for our regression analysis(PDF)

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Notes

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United States Government Accountability Office

Report to Congressional Requesters

September 2019

OIL AND GAS

Bureau of Land Management Should Address Risks from Insufficient Bonds to Reclaim Wells

GAO-19-615

September 2019

OIL AND GAS

Bureau of Land Management Should Address Risks from Insufficient Bonds to Reclaim Wells

GAO Highlights

Highlights of GAO-19-615, a report to congressional requesters

Why GAO Did This Study

The oil and natural gas produced from wells on federal lands are important to the U.S. energy supply and bring in billions in federal revenue each year. However, when wells are not properly managed, the federal government may end up paying to clean up the wells when they stop producing. Specifically, wells on federal lands that an operator does not reclaim and for which there are no other liable parties fall to BLM to reclaim (restore lands to as close to their original natural states as possible). These wells become orphaned if the operator's bond held by BLM is not sufficient to cover reclamation costs. BLM regulations set minimum bond values at $10,000 for all of an operator's wells on an individual lease, $25,000 for all of an operator's wells in a state, and $150,000 for all of an operator's wells nationwide.

GAO was asked to review the status of oil and gas bonding for federal lands. This report (1) describes the value of bonds for oil and gas wells in 2018 compared to 2008, and (2) examines the extent to which BLM's bonds ensure complete and timely reclamation and thus prevent orphaned wells. GAO analyzed agency data on bonds and wells and interviewed BLM officials.

What GAO Recommends

Congress should consider giving BLM the authority to obtain funds from operators to reclaim orphaned wells, and requiring BLM to implement a mechanism to do so. GAO also recommends that BLM take steps to adjust bond levels to more closely reflect expected reclamation costs. BLM concurred. BLM did not concur with a proposed recommendation to develop a mechanism to obtain funds, citing lack of authority. GAO changed it to a matter for Congressional consideration.

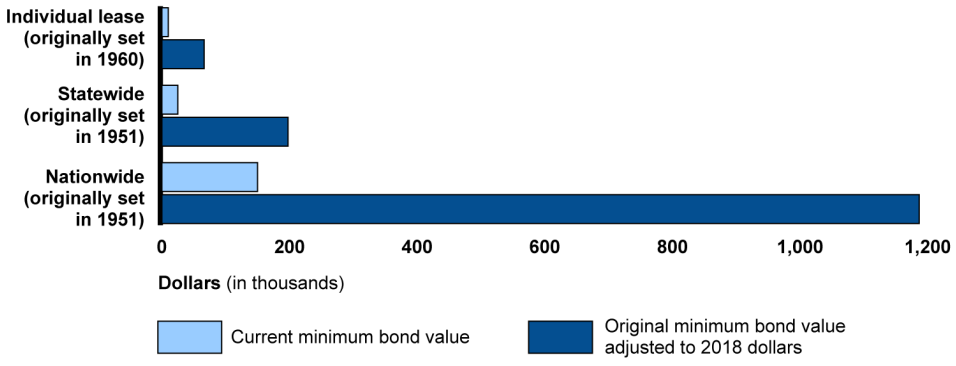
View GAO-19-615. For more information, contact Frank Rusco at (202) 512-3841 or ruscof@gao.gov.

What GAO Found

The average value of bonds held by the Bureau of Land Management (BLM) for oil and gas wells was slightly lower on a per-well basis in 2018 ($2,122) as compared to 2008 ($2,207), according to GAO's analysis of BLM data. The total value of bonds held by BLM for oil and gas operations increased between these years, as did the number of wells on federal land.

Bonds held by BLM have not provided sufficient financial assurance to prevent orphaned oil and gas wells (wells that are not reclaimed by their operators and, among other things, whose bonds were not sufficient to cover remaining reclamation costs, leaving BLM to pay for reclamation). Specifically, BLM identified 89 new orphaned wells between July 2017 and April 2019, and BLM offices identified to GAO about $46 million in estimated potential reclamation costs associated with orphaned wells and with inactive wells that officials deemed to be at risk of becoming orphaned in 2018. In part, bonds have not prevented orphaned wells because bond values may not be high enough to cover the potential reclamation costs for all wells under a bond, as may be needed if they become orphaned. GAO's analysis indicates that most bonds (84 percent) that are linked to wells in BLM data are likely too low to reclaim all the wells they cover. Bonds generally do not reflect reclamation costs because most bonds are set at their regulatory minimum values, and these minimums have not been adjusted since the 1950s and 1960s to account for inflation (see figure). Additionally, these minimums do not account for variables such as number of wells they cover or other characteristics that affect reclamation costs, such as well depth. Without taking steps to adjust bond levels to more closely reflect expected reclamation costs, BLM faces ongoing risks that not all wells will be completely and timely reclaimed, as required by law. It falls to BLM to reclaim orphaned wells, but the bureau does not assess user fees to cover reclamation costs, in part because it believes it does not have authority to do so. Providing such authority and developing a mechanism to obtain funds from operators for such costs could help ensure that BLM can completely and timely reclaim wells.

Bureau of Land Management Current Regulatory Minimum Oil and Gas Bond Values Compared to Original Minimum Bond Values Adjusted to 2018 Dollars



Source: GAO analysis of Bureau of Land Management data. | GAO-19-615

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Abbreviations

AFMSS	Automated Fluid Minerals Support System
BLM	Bureau of Land Management
EPAct 2005	Energy Policy Act of 2005
LR2000	Legacy Rehost 2000
OGOR	Oil and Gas Operations Report

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U.S. GOVERNMENT ACCOUNTABILITY OFFICE
441 G St. N.W.
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September 18, 2019

The Honorable Raúl M. Grijalva
Chairman
Committee on Natural Resources
House of Representatives

The Honorable Alan S. Lowenthal
Chairman
Subcommittee on Energy and Mineral Resources
Committee on Natural Resources
House of Representatives

Oil and natural gas produced from wells on federal lands are important to the U.S. energy supply and bring in billions in federal revenue each year. However, when oil and gas wells are not properly managed, the federal government may end up paying to clean up the wells when they stop producing. According to the Department of the Interior's Bureau of Land Management (BLM), at the end of fiscal year 2018, BLM oversaw private entities operating over 96,000 oil and gas wells on leased federal lands. BLM is responsible for managing onshore federal oil and gas resources and determining requirements for operators to reclaim leased lands, which BLM defines as restoring lands to as close to their original natural states as possible.[1] The oil and gas industry's boom-and-bust cycles can lead operators to drill wells when prices for oil and gas are high but can contribute to bankruptcies when prices are low. As a result, operators may not always have the resources to reclaim lands around wells that have been degraded by drilling and production.[2] When wells are not fully

[1]BLM is responsible for issuing leases for private entities to develop oil and gas resources on and under roughly 700 million acres of (1) BLM land, (2) other federal agencies' land, and (3) private land where the federal government owns the mineral rights. According to BLM, approximately 26 million acres were leased for oil and gas operations at the end of fiscal year 2018. BLM's regulatory responsibilities also extend in part to development of oil and gas on Indian trust and restricted lands, but those lands and programs are outside the scope of this report.

[2]For the purposes of this report, "operator" refers to lessees, owners of operating rights, and operators of an oil or gas operation, unless indicated otherwise. We use the term "reclamation" to refer to all of the actions and costs to reclaim a well, including well plugging and surface reclamation, and to restoring any lands or surface waters adversely affected by oil and gas operations.

reclaimed, there may be risks of leaking methane or groundwater contamination, among other things.[3]

BLM uses bonds to reimburse at least some of the costs of well reclamation in the event that operators or other liable parties do not reclaim wells. The Mineral Leasing Act of 1920, as amended, requires that federal regulations ensure that an adequate bond is established before operators begin preparing land for drilling to ensure complete and timely reclamation of the land, among other things.[4] BLM regulations set minimum bond values: $10,000 for all of an operator's wells on an individual lease (known as an individual lease bond), $25,000 for all of an operator's wells in a state (known as a statewide bond), and $150,000 for all of an operator's wells nationwide (known as a nationwide bond).[5] In January 2010, we reported on the number and value of bonds BLM held for oil and gas operations for fiscal years 1988 through 2008 and the value of individual lease, statewide, and nationwide bonds as of December 2008.[6] These bonds are designed to help prevent or reduce taxpayer losses because the bond money may be used to reclaim wells when operators or other liable parties do not. When the bonds covering those wells are insufficient to cover reclamation expenses, and there are no other responsible or liable parties to do so, wells are considered "orphaned."

Federal laws and BLM regulations and policies contain requirements aimed at managing BLM's potential oil and gas well liabilities and

[3]In this report, we refer to a well and the site surrounding it as a well.

[4]Specifically, BLM "shall, by rule or regulation, establish such standards as may be necessary to ensure that an adequate bond, surety, or other financial arrangement will be established prior to the commencement of surface-disturbing activities on any lease, to ensure the complete and timely reclamation of the lease tract, and the restoration of any lands or surface waters adversely affected by lease operations after the abandonment or cessation of oil and gas operations on the lease." 30 U.S.C. § 226(g).

[5]BLM coordinates with the Forest Service regarding oil and gas development on National Forest System lands. Where oil or gas development involves surface disturbance of National Forest System lands, the Forest Service must assess whether the existing BLM bond is adequate to meet the estimated cost to the Forest Service to reclaim those surface areas to be disturbed and to restore any lands or surface waters adversely effected by lease operations. If the Forest Service determines that bond is not adequate, the operator has the options of increasing the BLM bond amount or obtaining a separate bond to meet such estimated costs.

[6]GAO, *Oil and Gas Bonds: Bonding Requirements and BLM Expenditures to Reclaim Orphaned Wells*, GAO-10-245 (Washington, D.C.: Jan. 27, 2010).

preventing orphaned wells, including through ongoing oversight of wells and bonds provided by operators. For example, BLM's well review policy calls for field offices to, among other things, periodically review all inactive wells to determine whether they are capable of producing oil or gas or have a future beneficial use and, if not, have operators submit plans to reclaim the wells.[7] In May 2018, we reported on BLM's challenges in implementing these reviews, including differing understandings among field offices of the specific actions that constitute a well review.[8] In that report, we recommended that BLM develop and communicate specific instructions on what actions constitute a well review for annual reporting purposes. BLM concurred with this recommendation, and officials told us they are developing new reporting requirements.

Similar to its well review policy, BLM has a bond adequacy review policy that calls for BLM to regularly review bonds when certain events occur or periodically. Based on these reviews, BLM is to seek to increase bonds as necessary to ensure they reflect risks posed by the operator.[9] In our May 2018 report, we also reported on BLM's challenges in implementing bond adequacy reviews and made recommendations to improve their implementation.[10] In that report, we recommended that BLM strengthen its approach to monitoring field offices' implementation of the bond adequacy review policy, such as by collecting and analyzing data on performance indicators and ensuring the quality of those data. BLM concurred with this recommendation, and officials told us they are working on revising their guidance on data validation and are implementing quality reviews of their data.

You asked us to review issues related to bonds for oil and gas wells on federal lands. This report (1) describes the value of bonds for oil and gas wells in 2018 compared to 2008, and (2) examines the extent to which BLM's bonds ensure complete and timely reclamation and thus prevent orphaned wells.

[7]Bureau of Land Management, *Instruction Memorandum 2012-181* (Sept. 5, 2012).

[8]GAO, *Oil and Gas Wells: Bureau of Land Management Needs to Improve Its Data and Oversight of Its Potential Liabilities*, GAO-18-250 (Washington, D.C.: May 16, 2018).

[9]These bond adequacy reviews use a points-based system to examine aspects of an operator's wells (such as its number of wells idle for at least 7 years), compliance history (such as its number of incidents of drilling without approval), and reclamation stewardship (such as its number of reclamation incidents of noncompliance issued in the last 5 years).

[10]GAO-18-250.

To describe the value of bonds for oil and gas wells in 2018 compared to 2008, we analyzed oil and gas well data from BLM's Automated Fluid Minerals Support System (AFMSS) as of May 2018 and data on bonds from BLM's Legacy Rehost 2000 (LR2000) system as of May 2018. We compared these data to the 2008 data from these systems that we reported in 2010.[11] We matched the May 2018 data from the two systems based on the bond number—a variable in both systems—to identify how many wells were covered by each bond and to determine the average bond value per well for each bond category. To assess the reliability of these AFMSS and LR2000 data elements, we reviewed agency documents, met with relevant agency officials, and performed electronic testing. We found these data to be sufficiently reliable for our purposes.

To examine the extent to which BLM's bonds ensure complete and timely reclamation and thus prevent orphaned wells, we analyzed several sources of data, including AFMSS well data, LR2000 bond data, Office of Natural Resources Revenue's Oil and Gas Operations Report (OGOR) well production data, and well reclamation cost estimates from proofs of claim that BLM files with the Department of Justice when an operator files for bankruptcy.[12] First, we examined whether bonds are sufficient to cover potential reclamation costs for the wells they cover. To do this, we analyzed cost estimates on proofs of claim and identified typical high- and low-cost well reclamation scenarios. We then compared the cost scenarios to the average bond value available per well, for each bond, calculated using bond values in LR2000 and the number of wells covered by each bond in AFMSS. Next, we examined a subset of wells that are at increased risk of becoming orphaned and whether bonds are sufficient to cover their potential reclamation costs. To do this, we used OGOR production data to identify wells that had not produced since at least June 2008 and that met several other criteria. For those at-risk wells, we compared reclamation cost scenarios to the average bond value available for each—calculated by dividing bond value by the number of at-risk wells covered by the bond—using well data from AFMSS and bond value data from LR2000. To assess the reliability of the AFMSS, LR2000, and OGOR data elements we used, we reviewed agency documents, met with relevant agency officials, and performed electronic testing. We found these data to be sufficiently reliable for our purposes.

[11]GAO-10-245.

[12]The Office of Natural Resources Revenue manages and ensures full payment of revenues owed for the development of the nation's energy and natural resources offshore, on the Outer Continental Shelf, and onshore, on federal and Indian lands.

In addition, we examined the number of orphaned wells, comparing the number of orphaned wells identified by BLM as of April 2019 to those identified by BLM as of July 2017 and 2009, the two previous times we reported on orphaned wells.[13] To assess the reliability of the 2019 orphaned well list, we reviewed agency documents and met with relevant agency officials. Though we identified shortcomings with these data, which we discuss in the report where appropriate, we nevertheless found these data to be sufficiently reliable for the purpose of describing the orphaned wells BLM has identified.

To understand how BLM manages bonds, we reviewed BLM's policies and interviewed officials from four BLM state offices and four BLM field offices.[14] We selected these state and field offices because they were responsible for managing the largest numbers of wells on federal land. We also interviewed officials from BLM's headquarters office in Washington, D.C. Findings from the selected BLM offices cannot be generalized to offices we did not interview, but they provide a range of views. Appendix I provides additional information on our scope and methodology.

We conducted this performance audit from January 2018 to September 2019 in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions based on our audit objectives.

Background

Life Cycle of Oil and Gas Wells

Oil and gas exploration and production involves disturbing lands in several ways. For example, when operators drill oil and gas wells, they typically remove topsoil and construct a well pad, where the drilling rig will be located. Other equipment on-site can include generators and fuel tanks. In addition, reserve pits are often constructed to store or dispose of water, mud, and other materials that are generated during drilling and

[13]See GAO-10-245 and GAO-18-250.

[14]The four selected BLM state offices are California, New Mexico, Wyoming, and Utah. The four selected BLM field offices are Bakersfield, Buffalo, Carlsbad, and Farmington.

production, and roads and access ways are often built to move equipment to and from the wells.

Once wells cease production, which may occur many decades after they are drilled, they can become inactive. Inactive wells have the potential to create physical and environmental hazards if operators do not properly reclaim them, a process that may involve plugging the well, removing structures, and reshaping and revegetating the land around the wells. For example, inactive wells that are not properly plugged can leak methane into the air or contaminate surface water and groundwater. Well sites that are not properly reclaimed can contribute to habitat fragmentation and soil erosion, and equipment left on-site can interfere with agricultural land use and diminish wildlife habitat.

Costs for well reclamation vary widely and are affected by factors such as the depth of the well. Although BLM does not estimate reclamation costs for all wells, it has estimated reclamation costs for thousands of wells whose operators have filed for bankruptcy. Based on our analysis of these estimates, we identified two cost scenarios: low-cost wells typically cost about $20,000 to reclaim, and high-cost wells typically cost about $145,000 to reclaim.[15]

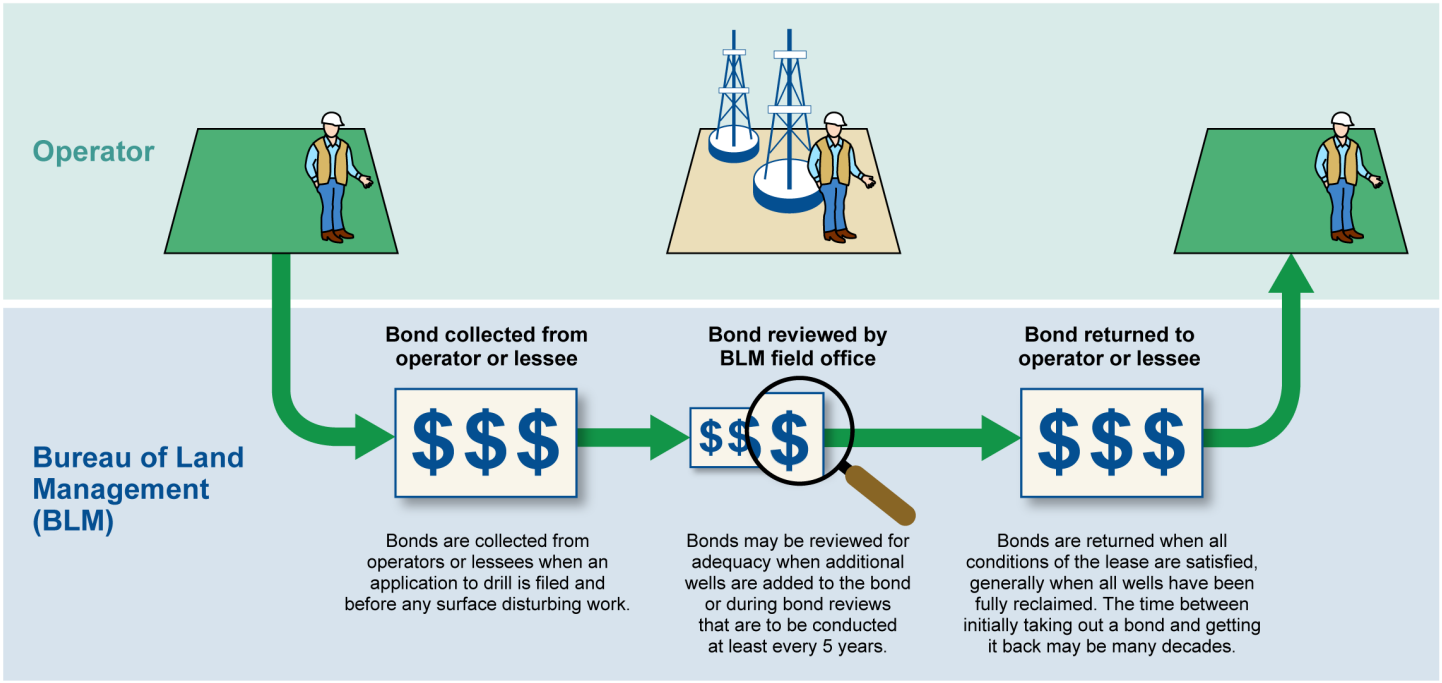
BLM's Bonding Regulations and Policies

As shown in figure 1, BLM regulations or policies outline how BLM is to initially collect bonds from operators, review bonds, and ultimately return the bond to the operator or use it to cover costs of reclamation.

[15]Based on our analysis of BLM reclamation cost estimates, the costs to reclaim wells were clustered into distinct groups: relatively low-cost and relatively high-cost wells. Due to this pattern of clustering and a wide variation in reclamation costs, we used these data as a basis to define two scenarios of potential reclamation costs for any individual well. Although we do not have information about the reclamation costs for all BLM wells, or the extent to which the proofs of claim sample is representative of all BLM wells, we consider these two scenarios to reflect a reasonable range of potential reclamation costs for a typical well.

The low-cost scenario is based on the 25th percentile of average well reclamation costs in proofs of claim, and the high-cost scenario is based on the 75th percentile. These scenarios do not encompass the complete range of BLM's well reclamation cost estimates. For example, on the low end, the 5th percentile average was about $15,000, and the lowest average estimate was $3,096. On the high end, the 95th percentile average was about $174,000, and the highest estimate was $603,000. Reclamation costs can vary based on a number of factors, such as well depth or location.

Figure 1: Life Cycle of a Bureau of Land Management Bond for Oil and Gas Operations



Source: GAO analysis of Bureau of Land Management information. | GAO-19-615

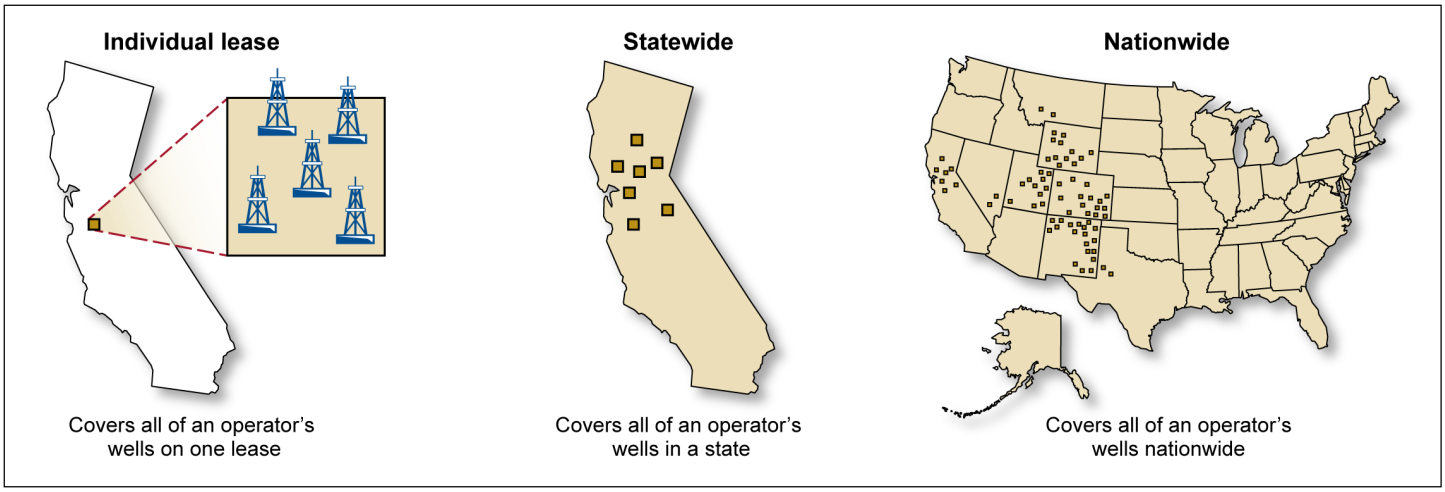
Bonds collected from operator. BLM regulations require operators to submit a bond to ensure compliance with all of the terms and conditions of the lease, including, but not limited to, paying royalties and reclaiming wells.[16] BLM regulations generally require operators to have one of the following types of bond coverage:[17]

[16]43 C.F.R. § 3104.1(a).

[17]Other bonds include unit operator bonds that cover all operations conducted on leases within a specific unit agreement and bonds for leases in the National Petroleum Reserve in Alaska. Unit agreements refer to multiple lessees who unite to adopt and operate under a single plan for the development of any oil or gas pool, field, or like area. The amount of a unit operator bond is determined on a case-by-case basis by BLM officials, and the minimum amount of a National Petroleum Reserve in Alaska bond is set in regulation—not less than $100,000 for a single lease or not less than $300,000 for a reserve-wide bond (submitted separately or as a rider to an already existing nationwide bond).

- individual lease bonds, which cover all of an operator's wells under one lease;[18]
- statewide bonds, which cover all of an operator's leases and operations in one state;[19] or
- nationwide bonds, which cover all of an operator's leases and operations nationwide.[20] (See figure 2.)

Figure 2: Bureau of Land Management Individual Lease, Statewide, and Nationwide Bonds for Oil and Gas Operations



Source: GAO analysis of Bureau of Land Management information. | GAO-19-615

BLM can accept two types of bonds: surety bonds and personal bonds. A surety bond is a third-party guarantee that an operator purchases from a private insurance company approved by the Department of the Treasury. The operator pays a premium to the surety company that can vary depending on various factors, including the amount of the bond and the assets and financial resources of the operator. If operators fail to reclaim

[18]An individual lease bond posted by a lessee may cover all operators on a lease. Otherwise, each operator on a lease must provide a separate bond covering just the wells operated by that operator. As we previously reported, according to BLM officials, most leases have only one operator. See GAO, *Oil and Gas Bonds: BLM Needs a Comprehensive Strategy to Better Manage Potential Oil and Gas Well Liability*, GAO-11-292 (Washington, D.C.: Feb. 25, 2011).

[19]A statewide bond posted by a lessee can cover all well operators with the consent of the company providing the bond.

[20]A nationwide bond posted by a lessee can cover all well operators with the consent of the company providing the bond.

their wells, the surety company is responsible for paying BLM up to the amount of the bond to help offset reclamation costs.

A personal bond must be accompanied by one of the following financial instruments:

- certificates of deposit issued by a financial institution whose deposits are federally insured, granting the Secretary of the Interior full authority to redeem it in case of default in the performance of the terms and conditions of the lease;
- cashier's checks;
- certified checks;
- negotiable Treasury securities, including U.S. Treasury notes or bonds, with conveyance to the Secretary of the Interior of full authority to sell the security in case of default in the performance of the lease's terms and conditions; or
- irrevocable letters of credit that are issued for a specific term by a financial institution whose deposits are federally insured and meet certain conditions and that identify the Secretary of the Interior as sole payee with full authority to demand immediate payment in case of default in the performance of the lease's terms and conditions.

BLM bond reviews. BLM regulations provide flexibility to increase bonds above minimums and require increases above minimum amounts if operators meet certain criteria. Specifically, BLM regulations require BLM to increase the bond amount when an operator who applies for a new drilling permit had previously failed to reclaim a well in a timely manner. For such an operator, BLM must require a bond in an amount equal to its cost estimate for reclaiming the new well if BLM's cost estimate is higher than the regulatory minimum amount. BLM regulations also authorize increases in the bond amount—not to exceed the estimated cost of reclamation and any royalties or penalties owed—whenever the authorized officer determines that the operator poses a risk due to factors such as that the expected reclamation costs exceed the present bond.

In response to our previous recommendation in 2011 that BLM develop a comprehensive strategy to revise its bond adequacy review policy to more clearly define terms and conditions that warrant a bond increase,[21] BLM issued a bond adequacy review policy in July 2013, Instruction

[21]GAO-11-292.

Memorandum 2013-151. The policy contained directives for conducting reviews when bonds meet certain criteria. Specifically, the 2013 bond adequacy review policy called for field offices to, among other things, review each bond at least every 5 years to determine whether the bond value appropriately reflected the level of potential risk posed by the operator. If it did not, authorized officers were to propose an increase (or decrease) in the bond value.

In November 2018, BLM issued a revised bond adequacy review policy, Instruction Memorandum 2019-014, which supersedes the 2013 policy. The 2018 policy continues to call for field offices to review each bond at least every 5 years, but it revised the point system worksheet that field offices are to use when determining whether a bond increase (or decrease) is warranted. Also, in response to our 2018 recommendation that BLM ensure that the reviews of nationwide and statewide bonds reflect the overall risk presented by operators, the 2018 policy calls for additional coordination between BLM headquarters, state offices, and field offices when reviewing nationwide and statewide bonds.

BLM returns or uses bond. If operators reclaim their wells, BLM returns the bond to the operator.[22] Many decades may pass between when BLM collects a bond and when it is returned. If operators do not reclaim their wells, BLM may redeem the certificate of deposit, cash the check, sell the security, or make a demand on the letter of credit to pay the reclamation costs. Liability for reclaiming a well on onshore federal lands can fall to either the lease holder or the operator, and BLM may also hold past owners or operators liable. The liability for past owners or operators extends only to reclamation obligations that accrued before BLM approved the transfer of their lease to a subsequent lessee. They are not liable for reclamation and lease obligations incurred after that transfer is approved.

[22]Bonds are released after final abandonment is approved by BLM, indicating compliance with all lease terms, including reclamation. Statewide or nationwide bonds are not released until final approval of abandonment of all activities under those bonds.

Average Bond Values Per Well Were Slightly Lower in 2018 as Compared to 2008

Based on our review of BLM data, the value of bonds held by BLM for oil and gas operations on a per-well basis were slightly lower in 2018 as compared to 2008. Although the total value of bonds held by BLM for oil and gas operations was higher in 2018 than in 2008 (about $204 million compared to about $188 million, in 2018 dollars), the average bond value per well was slightly lower because the number of wells on federal land was also higher in 2018 than in 2008 (96,199 wells compared to 85,330). Specifically, in 2008, BLM held bonds worth an average of $2,207 per well in 2018 dollars.[23, 24] BLM held bonds worth an average of $2,122 per well in 2018, a decrease of 3.9 percent as compared to 2008 (see table 1).[25]

Table 1: Bureau of Land Management's Oil and Gas Bonds and Wells in 2008 and 2018, in 2018 dollars

	Value of Bonds	Number of Wells	Average Bond Value Per Well
2008	188,316,757	85,330	2,207
2018	204,181,121	96,199	2,122
Percent Change	8.4	12.7	-3.9

Source: GAO analysis of Bureau of Land Management data. | GAO-19-615

Note: The value of bonds in 2008 is as of September 2008. The value of bonds in 2018 is as of May 2018. Data on the number of wells are as of September 2008 and September 2018.

We used BLM data to identify how many wells were covered by each bond and to determine the average bond value per well for each bond

[23]BLM bonds do not typically cover an individual well; however, we calculated the average bond value on a per-well basis (bond amount divided by the number of wells covered by the bond) to compare the value over time adjusted for the increased number of wells. When reporting on all wells, we calculated the average bond value per well as the aggregate value of all BLM bonds divided by the total number of producible well bores. Appendix I provides additional information on our scope and methodology.

[24]GAO-10-245.

[25]Data on the value of bonds in 2008 are as of September 2008. Data on the value of bonds in 2018 are as of May 2018. Data on the number of wells in 2008 are as of September 2008. Data on the number of wells in 2018 are as of September 2018.

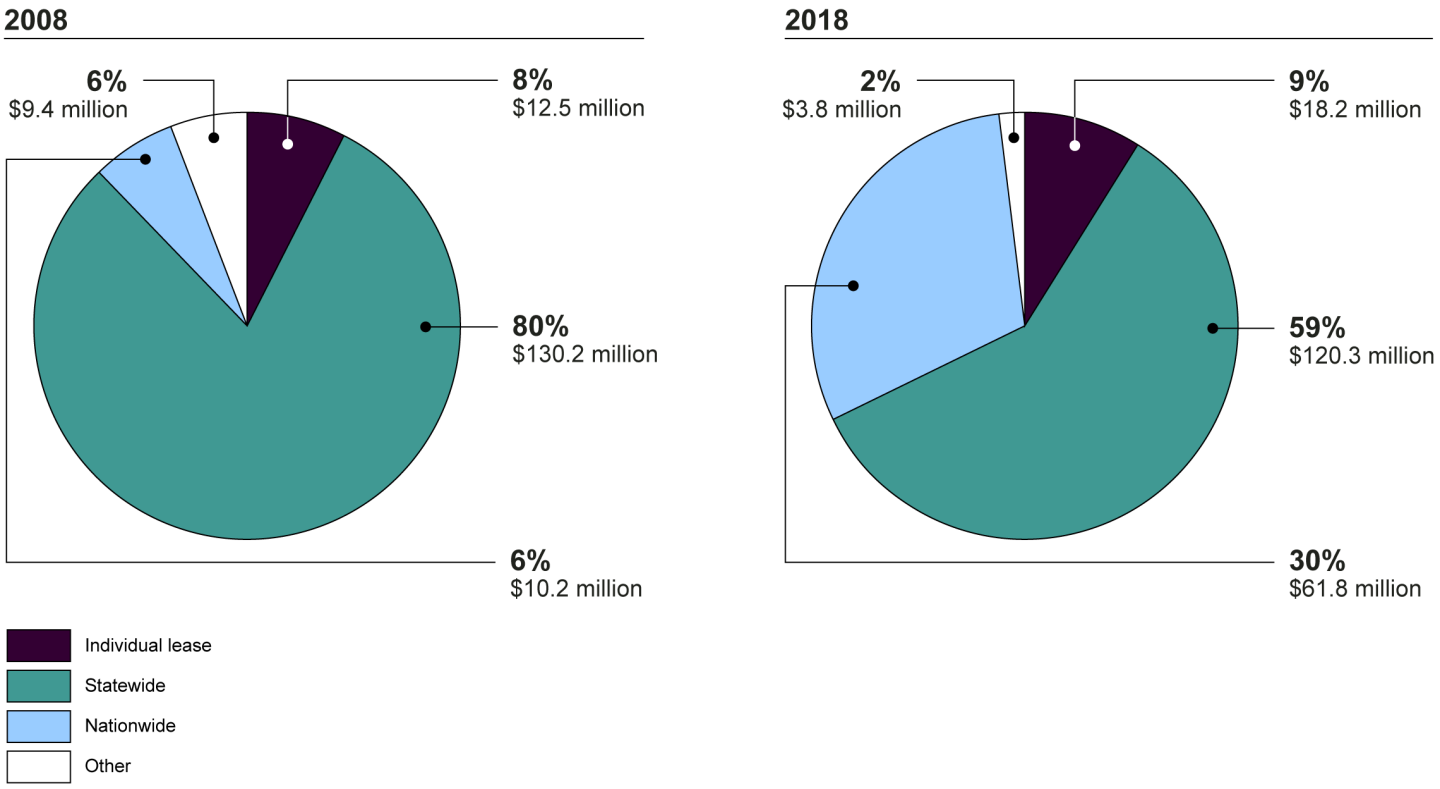
category for bonds that were linked to wells in the data.[26] We found that, on average, as of 2018 an individual lease bond covered about 10 wells, a statewide bond covered about 49 wells, and a nationwide bond covered 374 wells. However, some bonds cover more than the typical number of wells and some fewer. As of 2018, individual lease bonds had the highest average bond value per well at $2,691, and nationwide bonds had the lowest average bond per well value at $890. Statewide bonds had an average bond value per well of $1,592.

The share of the total value of bonds held by BLM that are individual lease, statewide, or nationwide bonds differed in 2018 from 2008 (see Figure 3). The share of individual lease bonds was slightly higher in 2018 as compared to 2008 (about 8 percent in 2008 and about 9 percent in 2018). In 2008, statewide bonds represented about 80 percent (approximately $130 million) of the total value of bonds. In 2018, statewide bonds represented about 59 percent of total bond value (approximately $120 million), but this category still represented the largest share of total bond value. In contrast, nationwide bonds were a lower share of total bond value in 2008 (about 6 percent, approximately $10.2 million) than in 2018 (30 percent, approximately $61.8 million).

[26]To report on the average number of wells per bond by bond category and the average bond value per well by bond category, we analyzed bonds that were linked to wells in BLM's data. Specifically, of 3,357 unique bond numbers in LR2000, 1,547 showed wells were tied to them in AFMSS. These 1,547 bonds covered about 80 percent of the wells in AFMSS. The other 20 percent of wells in AFMSS did not match a bond number in LR2000. These wells may not have listed a bond number, or the bond number listed may not have appeared in LR2000.

Based on this sample, the average bond value per well by bond category is calculated as the aggregate value of BLM bonds in a category divided by the total number of wells covered by bonds of that category. Due to the difference in samples, the total bond value used in the calculations of average bond value per well by bond category differs from the total bond value for all bonds in LR2000. Appendix I provides additional information on our scope and methodology.

Figure 3: Value of Bonds Held by Bureau of Land Management, by Bond Category, in 2008 and 2018



Source: GAO analysis of Bureau of Land Management data. | GAO-19-615

Note: Other category consists of National Petroleum Reserve-Alaska and unit bonds.

BLM officials told us that changes in the composition of the oil and gas industry may have contributed to these changes in the composition of bonds. In particular, officials said some larger companies may have expanded their operations in recent years, sometimes acquiring smaller companies. Large companies with expansive operations are more likely than small companies to have nationwide bonds because such bonds can cover operations in multiple states, which statewide and individual lease bonds do not. Therefore, an industry shift to larger companies would tend to increase the share of nationwide bonds.

Bonds Held by BLM Are Insufficient to Prevent Orphaned Wells

Bonds Do Not Provide Sufficient Financial Assurance to Prevent Orphaned Wells

Bonds do not provide sufficient financial assurance to prevent orphaned wells for several reasons. First, BLM has identified new orphaned wells—wells whose bonds were not sufficient to pay for needed reclamation when operators or other parties failed to reclaim them. As we reported in May 2018, BLM does not track the number of orphaned wells over time and so cannot identify how many wells became orphaned over specific time frames.[27] However, our analyses of BLM's orphaned well lists from different years have shown that BLM has continued to identify new orphaned wells since 2009. We reported in January 2010 that BLM identified 144 orphaned wells in 2009.[28] Then, in May 2018, we reported that BLM identified 219 orphaned wells in July 2017—an increase of 75 orphaned wells.[29] In April 2019, BLM provided a list of 296 orphaned wells that included 89 new wells that were not identified on the July 2017 list.[30]

Bonds are not sufficient to prevent orphaned wells in part because they do not reflect full reclamation costs for the wells they cover. Bonds that are high enough to cover all reclamation costs provide complete financial assurance to prevent orphaned wells because, in the event that an operator does not reclaim its wells, BLM can use the bond to pay for reclamation. On the other hand, bonds that are less than reclamation

[27]See GAO-18-250. We recommended that BLM systematically and comprehensively track orphaned wells. BLM concurred with our recommendation, and officials told us they were exploring making changes to their data systems to improve their ability to track orphaned wells.

[28]GAO-10-245.

[29]GAO-18-250.

[30]BLM headquarters officials told us that some of the wells on the April 2019 list may no longer be orphaned, based on their well status. However, according to officials in one field office, at least some wells in those statuses are still orphaned. As a result, we included all the wells identified in AFMSS as orphaned in our analysis.

costs may not create an incentive for operators to promptly reclaim wells after operations cease because it costs more to reclaim the wells than the operator could collect from its bond. We analyzed bonds that are linked to wells in BLM's data, and found that most of these bonds would not cover reclamation costs for their wells.[31] Specifically, we compared the average bond coverage available for these wells to the two cost scenarios we described above. About 84 percent of these bonds—covering 99.5 percent of these wells—would not fully cover reclamation costs under a low-cost scenario (these bonds have an average value per well of less than $20,000).[32] Less than 1 percent of bonds—covering less than 0.01 percent of these wells—would be sufficient to reclaim all the wells they cover if they were high cost (these bonds have an average value per well of $145,000 or more). The remaining bonds—about 16 percent—have average bond values per well of between $20,000 and less than $145,000.

The majority of bond values do not reflect reclamation costs in large part because most bonds—82 percent—remain at their regulatory minimum

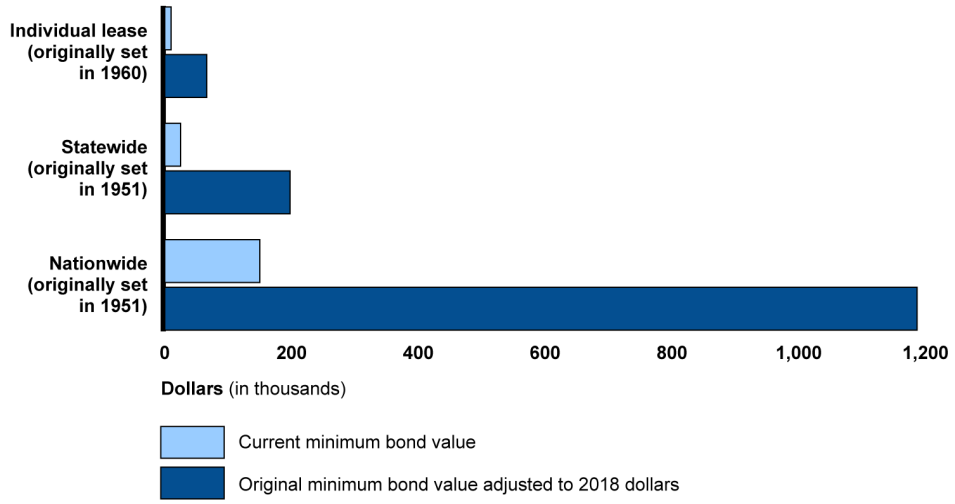
[31]We analyzed bonds that were linked to wells in BLM's data. Specifically, of 3,357 unique bond numbers in LR2000, 1,547 showed wells were tied to them in AFMSS. These 1,547 bonds covered about 80 percent of the wells in AFMSS. The other 20 percent of wells in AFMSS did not match a bond number in LR2000. These wells may not have listed a bond number, or the bond number listed may not have appeared in LR2000. Appendix I provides additional information on our scope and methodology. In our May 2018 report, we found problems with the quality of data in AFMSS, and recommended that the Director of BLM take steps to improve its data quality, for example, by conducting more edit checks and by having data stewards certify the quality of the data. BLM concurred with this recommendation and stated that it would update its policy to provide guidance on standard procedures for data validation review and certification. See GAO-18-250.

[32]We calculated average bond value per well—for each bond—as the bond's value divided by the total number of wells covered the bond, for the sample of wells that were linked to bonds in BLM data. This assessed whether the bond amount is sufficient to cover the reclamation costs associated with all wells covered by the bond. Appendix I provides additional information on our scope and methodology.

values.[33] These regulatory minimums are not reflective of reclamation costs for a number of reasons:

- Regulatory bond minimums have not been adjusted since the 1950s and 1960s to account for inflation. As shown in figure 4, when adjusted to 2018 dollars, the $10,000 individual lease bond minimum would be about $66,000, the $25,000 statewide bond minimum would be about $198,000, and the $150,000 nationwide bond minimum would be about $1,187,000.

Figure 4: Bureau of Land Management Current Regulatory Minimum Oil and Gas Bond Values Compared to Original Minimum Bond Values, Adjusted to 2018 Dollars



Source: GAO analysis of Bureau of Land Management data. | GAO-19-615

- Bond minimums are based on the bond category and do not adjust with the number of wells they cover, which can vary greatly. According to BLM's data, in 2018 the number of wells covered by a single bond

[33]About 14 percent of bonds are above their regulatory minimum values. About 1 percent of bonds are in the other category. About 3 percent of bonds are below their regulatory minimum values. According to BLM officials, bonds below regulatory minimums either (1) do not cover any wells and therefore have no associated liability, or (2) were put in place when regulatory minimums were lower. According to the 2018 BLM bond adequacy review policy, field offices are to review bonds and cannot adjust values to be less than the regulatory minimum values. In 2018, we recommended that BLM strengthen its approach to monitoring field office implementation of bond adequacy review policies, such as collecting and analyzing data on performance indicators and ensuring the quality of the data. Officials told us they are working on revising their guidance on data validation and are implementing quality reviews of their data. See GAO-18-250.

ranged from one well to 6,654 wells. On average, a single bond covered about 68 wells.[34] As wells are added to a bond, the total associated reclamation cost increases even if the bond value does not. A bond that increases with each additional well it covers and then decreases as wells are reclaimed could increase the financial incentive for operators to reclaim their wells in a timely manner. This is because operators would have to contribute additional bond value or would recover some bond value when they add or reclaim a well, respectively. Currently, bond minimums do not automatically adjust in this manner and therefore provide limited financial incentives for an operator to reclaim wells in a timely manner.

- Bond minimums do not reflect characteristics of individual wells such as depth or location, but such characteristics can affect reclamation costs, according to BLM officials. Wells are being drilled deeper than in the past; in 1950, well depth averaged about 3,700 feet, and in 2008, it averaged about 6,000 feet. Newer wells may be drilled 10,000 feet vertically. Officials from one BLM field office told us they assume a cost of $10 per foot of well depth to plug a well, so as wells are drilled deeper, plugging costs typically increase proportionally. Additionally, the location of some wells makes them more expensive to reclaim. For example, BLM officials told us about several wells that may cost three times more to reclaim than other nearby wells because they are located in the middle of a river, making them hard to reach.

In addition to BLM having identified orphaned wells over the last decade, we identified inactive wells at increased risk of becoming orphaned and found their bonds are often not sufficient to reclaim the wells. Our analysis of BLM bond value data and Office of Natural Resources Revenue production data showed a significant number of inactive wells remain unplugged and could be at increased risk of becoming orphaned. Specifically, we identified 2,294 wells that may be at increased risk of becoming orphaned because they have not produced since June 2008 and have not been reclaimed.[35] Further, for a majority of these at-risk wells, their bonds are too low to cover typical reclamation costs for just these at-risk wells. Our analysis of oil and gas production data showed

[34]The number of wells covered by a single bond was calculated using wells that are linked to bonds in BLM's data.

[35]Our analysis used conservative assumptions to estimate a lower bound of the number of wells at the end of their useful life that have not been reclaimed. In particular, our lower-bound estimate does not include some coalbed methane wells that have been inactive for less than 9 years but are unlikely to produce at current prices because of the relatively higher cost of coalbed methane production. Appendix I provides additional information on our scope and methodology.

these wells have not produced oil or gas or been used in other ways, such as serving as injection wells, since at least June 2008, when oil and gas prices were at or near record highs.[36] Given that the Energy Information Administration projects oil and natural gas prices will remain at levels significantly below the 2008 highs through 2050, it is unlikely price will motivate operators to reopen these wells. Some of these wells have been inactive for far longer.[37] Since these at-risk wells are unlikely to produce again, an operator bankruptcy could lead to orphaned wells unless bonds are adequate to reclaim them. If the number of at-risk wells is multiplied by our low-cost reclamation scenario of $20,000, it implies a cost of about $46 million to reclaim these wells. If the number of these wells is multiplied by our high-cost reclamation scenario of $145,000, it implies a cost of about $333 million.[38] When we further analyzed the available bonds for these at-risk wells, we found that most of these wells (about 77 percent) had bonds that would be too low to fully reclaim the at-risk wells under our low-cost scenario.[39] More than 97 percent of these at-risk wells have bonds that would not fully reclaim the wells under our high-cost scenario.

BLM has a policy for reviewing the adequacy of bonds but has not been able to consistently secure bond increases when needed, and this policy

[36]According to the Energy Information Administration, the weekly spot price for West Texas Intermediate oil at Cushing, Oklahoma, was $142.52 per barrel the first week of July 2008. As of the first week of May 2019, the price was $62.90 per barrel. Similarly, the Energy Information Administration reported that the Henry Hub weekly spot price for natural gas was $13.20 per million British thermal units the first week of July 2008. It was $2.59 per million British thermal units the first week of May 2019.

[37]We reported in May 2018 on over 1,000 wells that had been inactive for 25 years or more. That number includes some wells on Indian land, which are not included in the scope of this report. GAO-18-250.

[38]Not all of these wells may become orphaned, although they are at an increased risk of becoming orphaned as compared to active wells or wells that have been inactive for fewer years.

[39]We analyzed bonds linked to at-risk wells in BLM's data. Of the 2,294 at-risk wells, 2,041 were linked to bonds in BLM's data (about 89 percent) and these formed the basis of our analysis of bond value per at-risk well; the remaining wells were not tied to any bonds in LR2000. In addition, we examined costs associated with at-risk wells covered by these bonds and did not count any other wells covered by the bond if they were not at risk. Appendix I provides additional information on our scope and methodology.

has not resulted in bonds that would be adequate to reclaim most wells.[40] BLM's bond adequacy review policy calls for field office staff to review oil and gas bonds at least every 5 years to determine whether the bond amount appropriately reflects the level of potential risk posed by the operator. However, according to BLM documentation, its offices did not secure about 84 percent of the proposed bond increases in fiscal years 2016 and 2017. BLM officials at one field office and one state office noted it is difficult to secure increases from bond reviews when firms are already in difficult financial situations. In November 2018, BLM updated its bond adequacy review policy and called for the agency to focus on securing bond increases from operators that show the highest risk factors. BLM's updated policy more explicitly lays out steps to secure bond increases, including that BLM should not approve new applications to drill from an operator while waiting for a bond increase. The new policy also gives BLM officials discretion to not pursue a bond increase after considering other priorities demanding staff time and workload. It is unclear whether the update will improve BLM's ability to secure bond increases, as it may not address the underlying challenge of attempting to increase bonds from operators who are already in a difficult financial position.

While BLM's federal oil and gas bond minimums do not sufficiently reflect the costs of well reclamation, requirements for bond amounts for other federal mining and energy development activities account for potential reclamation costs to some extent. For example, for bonds for surface coal mining and hardrock mining on federal lands, the Department of the Interior requires bond amounts based on the full estimated cost of reclamation.[41] For grants of federal rights-of-way for wind and solar energy development in designated leasing areas, BLM requires bonds based on a minimum amount per wind turbine or per acre of solar. For such grants in all other areas, the bonds are based on the estimated cost of reclamation but cannot be less than the per-turbine or per-acre amounts previously mentioned.

[40]BLM's bond adequacy reviews use a points-based system to examine aspects of an operator's well status (such as its number of wells idle for at least 7 years), compliance history (such as its number of incidents of drilling without approval), and reclamation stewardship (such as its number of reclamation related incidents of noncompliance issued in the last 5 years).

[41]GAO, *Financial Assurances for Reclamation: Federal Regulations and Policies for Selected Mining and Energy Development Activities*, GAO-17-207R (Washington, D.C.: Dec. 16, 2016).

Additionally, some states have minimum bond requirements for oil and gas wells on lands in the state that, unlike federal bond minimums, adjust with the number of wells they cover or the characteristics of the wells, or both. For example, Texas and Louisiana offer operators with wells on lands in those states the choice of a bond based on total well depth or based on the number of wells. Specifically, the Texas Railroad Commission lets operators choose bonds based on either the total depth of all wells on lands in the state multiplied by $2 per foot, or minimums based on the number of wells covered. If operators choose the latter, the bond for 0 to 10 wells is $25,000; the bond for 11 to 99 wells is $50,000; and the bond for 100 or more wells is $250,000. In Louisiana, the Office of Conservation offers operators with wells on lands in the state the choice of a bond based on total well depth or based on the number of wells. Louisiana further specifies a multiplier that varies depending on the total depth of the well. For example, the bond calculation is $2 per foot for wells less than 3,000 feet deep, $5 per foot for wells from 3,001 to 10,000 feet deep, and $4 per foot for wells 10,001 feet deep or deeper. Operators in Louisiana can alternatively choose to follow a system based on number of wells, with a minimum bond for 10 or fewer wells set at $50,000, a minimum bond for 11 to 99 wells set at $250,000, and a minimum bond for 100 or more wells set at $500,000. Pennsylvania's Department of Environmental Protection requires bonds for unconventional wells that vary based on the number of wells and well bore length.[42]

The Mineral Leasing Act of 1920, as amended, requires federal regulations to ensure that an adequate bond is established before operators begin surface-disturbing activities on any lease, to ensure complete and timely reclamation of the lease tract as well as land and surface waters adversely affected by lease operations. The Mineral Leasing Act of 1920 does not require that BLM set bonds at full reclamation costs. However, the gap between expected reclamation costs and minimum bond amounts has grown over time because the minimums have not been adjusted since they were established in the 1950s and 1960s, whereas reclamation costs have increased due to inflation and the changing characteristics of wells being drilled. In the absence of bond

[42]Pennsylvania defines conventional wells as those that produce oil or gas from a conventional formation. It defines an unconventional well as a gas well that is drilled into an unconventional formation, which is defined as a geologic shale formation below the base of the Elk Sandstone or its geologic equivalent where natural gas generally cannot be produced economically except by horizontal or vertical well bores stimulated by hydraulic fracturing or other techniques to expose more of the formation to the well bore.

levels that more closely reflect expected reclamation costs, such as by increasing regulatory minimums and incorporating consideration of the number of wells on each bond and their characteristics, BLM will continue to face risks that its bonds will not provide sufficient financial assurance to prevent orphaned wells. In particular, adjusting bond minimums so that bonds more closely reflect expected reclamation costs up front could help decrease the need for bond increases later when companies are potentially in financial distress.

BLM Does Not Currently Assess User Fees to Fund Orphaned Well Reclamation

In addition to fulfilling its responsibility to prevent new orphaned wells, it falls to BLM to reclaim wells that are currently orphaned, and BLM has encountered challenges in doing so. We reported in May 2018 that 13 BLM field offices identified about $46.2 million in estimated potential reclamation costs associated with orphaned wells and with inactive wells that officials deemed to be at risk of becoming orphaned. There is also a risk more wells will become orphaned in coming years, as we described above. Based on the most recent orphaned well lists we received from BLM, 51 wells that BLM identified in 2009 as orphaned had not been reclaimed as of April 2019.

The Energy Policy Act of 2005 (EPAct 2005) directs Interior to establish a program that, among other things, provides for the identification and recovery of reclamation costs from persons or other entities currently providing a bond or other financial assurance for an oil or gas well that is orphaned, abandoned, or idled.[43] One way in which BLM may be able to accomplish this is through the imposition of user fees.[44] In 2008, we found that well-designed user fees can reduce the burden on taxpayers to finance those portions of activities that provide benefits to identifiable

[43]The Secretary of the Interior is to establish this program in cooperation with the Secretary of Agriculture.

[44]Generally, under the miscellaneous receipts statute, money an agency receives for the government from a source outside of the agency must be deposited into the Treasury. 31 U.S.C. § 3302. However, BLM "may establish reasonable filing and service fees and reasonable charges, and commissions with respect to applications and other documents relating to the public lands and may change and abolish such fees, charges, and commissions." 43 U.S.C. § 1734(a). All such fees "for processing, recording, or documenting authorizations to use . . . public land natural resources (including . . . mineral) and for providing specific services to public land users, and which are not presently being covered into any [BLM] appropriation accounts, and not otherwise dedicated by law for a specific distribution, shall be made immediately available for program operations in this account and remain available until expended." *Id*. § 1734a.

users.[45] Further, according to Office of Management and Budget guidance, it may be appropriate for an agency to request authority to retain the fee revenue if the user fees offset the expenses of a service that is intended to be self-sustaining.[46]

The volume of drilling applications and inactive wells provide an opportunity to fund reclamation costs. According to BLM data, the agency processes more than 3,500 applications to drill each year, on average, and has over 14,000 inactive wells. Based on our calculations, a separate fee of about $1,300 charged at the time a drilling application is submitted (in addition to the current drilling application filing fee, which is $10,050), or an annual fee of less than $350 for inactive wells could generate enough revenue to cover, in a little over a decade, the entire $46 million potential reclamation costs field offices identified to us.[47] In commenting on a draft of this report, BLM stated that it does not have the authority to seek or collect fees from lease operators to reclaim orphaned wells. Developing a mechanism to obtain funds from operators to cover the costs of reclamation, consistent with EPAct 2005, could help ensure that BLM can completely and timely reclaim wells without using taxpayer dollars.

Other federal programs, including other BLM programs, collect fees from users to fund reclamation activities. For example, the federal government collects fees from mining companies to reclaim abandoned mines. Specifically, the federal abandoned mine reclamation program is funded in part by fees on coal production. We reported in March 2018 that the

[45]In May 2008, we issued a user fee design guide that examined how the four key design and implementation characteristics—how fees are set, collected, used, and reviewed—may affect the economic efficiency, equity, revenue adequacy, and administrative burden of the fees. GAO, *Federal User Fees: A Design Guide*, GAO-08-386SP (Washington, D.C.: May 2008).

[46]According to Office of Management and Budget Circular A-25, every 2 years, agencies should review programs that are not currently funded by user fees to determine whether fees should in fact be assessed for government services. Once user fees are implemented, revenue from the fees will be credited to the general fund of the U.S. Treasury as miscellaneous receipts unless otherwise specified by law. (See: Office of Management and Budget, Circular No. A-25 Revised, Memorandum for Heads of Executive Departments and Establishments (July 8, 1993).

[47]To arrive at these example fees, we divided the $46 million in potential reclamation costs by 10 and divided the result by the number of drilling permits and inactive wells, respectively, in 2018.

program had spent about $3.9 billion to reclaim abandoned mine lands since the program's creation in 1977.[48]

Additionally, some states with oil and gas development have dedicated funds for reclaiming orphaned wells. In Wyoming, the state's Oil and Gas Conservation Commission's Orphan Well Program reclaims orphaned wells on state or private lands for which bonds and operator liability are unavailable or insufficient to fund reclamation. The program is funded through a conservation tax assessed on the sale of oil and natural gas produced in Wyoming. Through this program, the Wyoming Oil and Gas Conservation Commission has reclaimed approximately 2,215 wells since 2014, according to a Commission official. Similarly, in Arkansas, operators make annual payments to its abandoned well plugging fund based on the number of wells and permits they have, on a sliding scale. For example, at the low end, operators with one to five wells or permits pay $100 per well, and at the high end, operators with over 300 wells or permits pay $4,000 per operator.[49] The Arkansas fund was used to reclaim 136 wells in fiscal years 2016 through 2018, according to an official with the state's Oil and Gas Commission. Virginia's Orphaned Well Fund is funded through a $200 surcharge on each permit application. The fund is administered by the Virginia Division of Gas and Oil, which prioritizes wells to reclaim according to their condition and potential threat to public safety and the environment.

Conclusions

BLM oversees private entities operating thousands of oil and gas wells on leased federal lands and has taken steps over the years to strengthen its management of the potential liability that oil and gas operations represent should operators not fully reclaim wells and return lands to their original condition when production ceases. For example, the agency's 2013 bond adequacy review policy outlined how bonds were to be reviewed every 5 years and bond amounts adjusted depending on risks presented by operators. However, we found average bond values were slightly lower in 2018 as compared to 2008 and BLM has not obtained bond increases for the majority of instances in which its reviews identify that increases are

[48]GAO, *Coal Mine Reclamation: Federal and State Agencies Face Challenges in Managing Billions in Financial Assurances*, GAO-18-305 (Washington, D.C.: Mar. 6, 2018).

[49]According to an Arkansas Oil and Gas Commission official, the state also makes transfers from other agency sources and deposits forfeited bonds into the abandoned well plugging fund.

needed. Instead, most bonds are at their regulatory minimum values, which are not sufficient to cover reclamation costs incurred by BLM. Without adjusting bond levels to more closely reflect expected reclamation costs—such as by considering the effects of inflation, the number of wells covered by a single bond, and the characteristics of those wells—BLM faces ongoing risks that not all wells will be completely and timely reclaimed, resulting in additional orphaned wells.

Further, BLM faces a backlog of orphaned wells to reclaim—with 51 dating back at least 10 years. Unlike some other federal and state programs that obtain funds from industry through fees or dedicated funds, BLM does not do so for reclaiming orphaned wells. According to BLM, it does not have the authority to seek or collect fees from lease operators to reclaim orphaned wells. Authorizing and requiring the implementation of a mechanism to obtain funds from oil and gas operators to cover the costs of reclamation could help ensure BLM can completely and timely reclaim wells.

Matter for Congressional Consideration

Congress should consider giving BLM the authority to obtain funds from operators to reclaim orphaned wells, and requiring BLM to implement a mechanism to obtain sufficient funds from operators for reclaiming orphaned wells. (Matter for Consideration 1)

Recommendation for Executive Action

The Director of BLM should take steps to adjust bond levels to more closely reflect expected reclamation costs, such as by increasing regulatory minimums to reflect inflation and incorporating consideration of the number of wells on each bond and their characteristics. (Recommendation 1)

Agency Comments and Our Evaluation

We provided a draft of this product to BLM for comment. In its written comments, reproduced in appendix II, BLM concurred with the recommendation. BLM stated that it is committed to ensuring that its field offices continue to review oil and gas bonds at least every 5 years, or earlier when warranted, and noted its November 2018 Instruction Memorandum 2019-014 updated its bond review policy. BLM further stated that, while the adjustment of bond values may not reflect the inflation index, the policy is intended to increase bond amounts while fostering an environment conducive to BLM's leasing operations. As we

point out in this report, BLM has historically had difficulties securing bond increases through bond reviews, and so additional steps may be needed to adjust bond levels to more closely reflect expected reclamation costs.

In the draft we provided to BLM for comment, we included a recommendation that the Director of BLM should take steps to obtain funds from operators for reclaiming orphaned wells. BLM did not concur with this recommendation, saying it does not have the authority to seek or collect fees from lease operators to reclaim orphaned wells. We continue to believe a mechanism for BLM to obtain funds from oil and gas operators to cover the costs of reclamation for orphaned wells could help ensure BLM can completely and timely reclaim these wells, some of which have been orphaned for at least 10 years. We have therefore instead made a matter for Congressional consideration.

BLM also provided technical comments, which we incorporated as appropriate.

We are sending copies of this report to the appropriate congressional committees, the Secretary of the Interior, and other interested parties. In addition, the report is available at no charge on the GAO website at http://www.gao.gov.

If you or your staff have any questions about this report, please contact me at (202) 512-3841 or ruscof@gao.gov. Contact points for our Offices of Congressional Relations and Public Affairs may be found on the last page of this report. GAO staff who made key contributions to this report are listed in appendix III.

Frank Rusco
Director,
Natural Resources and Environment

Appendix I: Objectives, Scope, and Methodology

This report (1) describes the value of bonds for oil and gas wells in 2018 compared to 2008, and (2) examines the extent to which the Bureau of Land Management's (BLM) bonds ensure complete and timely reclamation and thus prevent orphaned wells.

To describe the value of bonds for oil and gas wells in 2018 compared to 2008, we analyzed oil and gas well data from BLM's Automated Fluid Minerals Support System (AFMSS) as of May 2018 and data from BLM's Legacy Rehost 2000 (LR2000) system on bonds as of May 2018. Bond data we reviewed included the bond category (e.g., individual lease or nationwide) and bond value. We compared these data to data obtained from the same systems for 2008 and reported by GAO in 2010.[1] We matched the May 2018 data from the two systems based on the bond number—a variable in both systems—to identify how many wells were covered by each bond and to determine the average bond value per well for each bond category. To assess the reliability of AFMSS and LR2000 data elements, we reviewed agency documents, met with relevant agency officials, and performed electronic testing. We found these data to be sufficiently reliable for our purposes. We also interviewed BLM headquarters officials to understand why bond composition may have changed over time. To report on the number of bonded wells held by BLM, we used a published BLM value for producible well bores—wells capable of production—which should represent a lower bound on the number of bonded wells in September 2018 because some wells may be plugged or temporarily incapable of production but would still require a bond if the surrounding site had not been fully reclaimed. To determine the average value of bonds per well in 2018, we divided the total value of all bonds held by BLM by the total number of producible well bores.

To examine the extent to which BLM's bonds ensure complete and timely reclamation and prevent orphaned wells, we conducted the following analyses:

- Reclamation cost scenarios: To determine whether bonds are sufficient to cover potential reclamation costs for the wells they cover, we identified typical high- and low-cost scenarios for well reclamation (including plugging the well and reclaiming the surrounding well site) and compared those scenarios to the average bond value available per well. To determine high- and low-cost reclamation scenarios, we

[1]GAO, *Oil and Gas Bonds: Bonding Requirements and BLM Expenditures to Reclaim Orphaned Wells*, GAO-10-245 (Washington, D.C.: Jan. 27, 2010).

analyzed BLM's well reclamation cost estimates on proofs of claim submitted to the Department of Justice from calendar year 2016 through May 2018.[2] These 59 proofs of claim listed estimated reclamation costs for 8,664 well sites. We calculated the average reclamation cost per well for each individual proof of claim by dividing the total dollar value claimed for reclamation liability (actual liability plus potential liability) by the total number of wells listed in each proof of claim document. We found the average reclamation cost estimates for each proof of claim have a bimodal distribution, meaning that data are clustered around two distinct cost levels, rather than clustered around a single average cost. As a result, we determined that using two separate measures that indicate typical values for separate groups of low-cost and high-cost wells would provide more meaningful statistics about cost. We therefore selected reclamation costs of $20,000 for the low-cost reclamation scenario and $145,000 for the high-cost scenario based on the 25th and 75th percentiles of the distribution of average estimated reclamation cost per proof of claim, weighted by the number of wells on each proof of claim.

- Bond value per well: To determine the average bond value available per well, we analyzed bonds listed in LR2000 that were tied to wells listed in AFMSS using the bond number—a variable in both systems. We found that 1,547 out of the 3,357 unique bond numbers in LR2000 had wells tied to them in AFMSS. These 1,547 bonds covered about 80 percent of the wells in AFMSS.[3] The other 20 percent of wells in AFMSS either did not list a bond number, or the bond number listed was not in LR2000. For each bond in LR2000 covering wells in AFMSS, we calculated the bond available per well as the bond value divided by the number of wells it covers. We then compared the bond values per well against both high ($145,000 per well) and low ($20,000 per well) reclamation cost scenarios to identify which bonds would be adequate to reclaim all the wells they covered under different cost scenarios. If AFMSS bond information was incomplete, it is possible that there are more wells covered by bonds than we were able to identify—and therefore the bond value per well would be lower than we found.

[2]These estimates come from proofs of claim that BLM submits when an operator files for bankruptcy.

[3]In this report we refer to the wells that the bonds were tied to as the wells the bonds covered.

- At-risk wells: To identify wells that may be at greater risk of becoming orphaned and determine whether their bonds are sufficient to cover potential reclamation costs, we used well production data from the Office of Natural Resources Revenue's Oil and Gas Operations Report (OGOR) as of June 2017 and bond values from LR2000. First, we defined wells as "at risk of becoming orphaned" if they met several criteria. Specifically, we identified wells that (1) had recent OGOR reports (on or after March 2017); (2) had not been used productively from at least June 2008 through the most recent record (meaning the well did not report producing any volume of oil or gas during this timeframe, nor were any volume of water or materials injected into the well during this timeframe); (3) were not being used as a monitoring well in the most recent record, which we considered a productive use; and (4) had not been plugged and abandoned. We selected June 2008 as the cutoff date for productivity because in June and July of 2008, oil and gas prices hit peaks that have not since been reached again, and which the Energy Information Administration does not expect prices to reach again through at least 2050.[4] We believe our analysis is a conservative estimate of wells at greater risk, in part because we did not include wells that produced when prices were at their peaks and stopped producing soon afterward and may be unlikely to produce in the future unless prices reach the same peaks again. In addition, our lower-bound estimate does not include some coalbed methane wells that have been inactive for less than 9 years but are unlikely to produce at current prices because of the relatively higher cost of coalbed methane production. We also excluded wells that reported any volume of oil or gas production or water injection since June 2008, although some very low-producing wells may also be at risk of becoming orphaned.
- Bond value for at-risk wells: To calculate the average bond value per at-risk well, we identified bonds listed in LR2000 that were tied to at-risk wells in AFMSS to determine the value of bonds available to reclaim these at-risk wells if needed. We identified 2,041 of the 2,294 at-risk wells were linked to bonds. For each bond, we divided the bond value by the number of at-risk wells it covered to determine the bond amount per at-risk well. In cases in which an at-risk well was linked to more than one bond, we additionally calculated the average

[4]According to the Energy Information Administration, the weekly spot price for West Texas Intermediate oil at Cushing, OK was $142.52 per barrel the first week of July 2008. As of the first week of May 2019 the price was $62.90 per barrel. Similarly, Energy Information Administration reported the Henry Hub weekly spot price for natural gas was $13.20 per million British thermal units the first week of July 2008. It was $2.59 per million British thermal units the first week of May 2019.

of the bond value per at-risk well for each bond linked to the well. To determine the sufficiency of bonds for at-risk wells, we identified the number of wells with an average bond value per at-risk well equal to or greater than $20,000 (low cost reclamation scenario) or $145,000 (high cost reclamation scenario).

- Orphaned wells: We compared three lists of orphaned wells based on data provided by BLM in 2009, July 2017, and April 2019. The 2009 data are from our January 2010 report, which used Orphaned Well Scoring Checklists that list information such as the well's name and location.[5] The July 2017 data are from our May 2018 report, which used an orphaned well list generated through a query of AFMSS by BLM.[6] The April 2019 list was generated through a query of an updated version of AFMSS known as AFMSS 2.[7] We compared the lists to identify how many wells that were on the 2009 list remained on the 2019 list, and how many wells that were on the 2017 list were on the 2019 list.

To assess the reliability of the AFMSS, LR2000, and OGOR data elements we used, we reviewed agency documents, met with relevant agency officials, and performed electronic testing. We found these data elements to be sufficiently reliable for our purposes. Similarly, to assess the reliability of the 2019 orphaned well list, we reviewed agency documents and met with relevant agency officials. Though we identified shortcomings with data on orphaned wells, we nevertheless found these data to be sufficiently reliable for the purpose of describing the orphaned wells BLM has identified. To assess the reasonableness of proofs of claim data, we interviewed relevant agency officials and reviewed agency documents.

To understand how BLM manages bonds, we reviewed BLM's policies and interviewed officials from four BLM state offices and four BLM field offices. We selected these state and field offices because, according to AFMSS data, they were responsible for managing the largest numbers of wells on federal land. These BLM state offices were California, New

[5]GAO-10-245

[6]GAO, *Oil and Gas Wells: Bureau of Land Management Needs to Improve Its Data and Oversight of Its Potential Liabilities*, GAO-18-250 (Washington, D.C.: May 16, 2018).

[7]BLM headquarters officials told us that some of the wells on the list may no longer be orphaned, based on their well status. However, according to officials in one field office, at least some wells in those statuses are still orphaned. As a result, we included all the wells identified in AFMSS as orphaned in our analysis.

Mexico, Utah, and Wyoming. These BLM field offices were Bakersfield, Buffalo, Carlsbad, and Farmington. We also interviewed officials from BLM's headquarters office in Washington, D.C. Findings from the selected BLM offices cannot be generalized to officials we did not interview but provide a range of views. To understand how some states with oil and gas development on state lands set minimum bonds and fund orphaned well reclamation, we contacted officials from oil and gas oversight agencies in Arkansas, Louisiana, Pennsylvania, Texas, Virginia, and Wyoming.[8]

We conducted this performance audit from January 2018 to September 2019 in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions based on our audit objectives.

[8]The state agencies we contacted are the Arkansas Oil and Gas Commission; the Louisiana Office of Conservation; the Pennsylvania Department of Environmental Protection; the Texas Railroad Commission; the Virginia Department of Mines, Minerals, and Energy; and the Wyoming Oil and Gas Conservation Commission.

Appendix II: Comments from the Department of the Interior

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Washington, D.C. 20240
http://www.blm.gov

AUG 30 2019

Mr. Frank Rusco
Director, Natural Resources and Environment
U.S. Government Accountability Office
441 G Street, NW
Washington, DC 20548

Dear Mr. Rusco:

Thank you for providing the Department of the Interior (Department) the opportunity to review and comment on the draft Government Accountability Office (GAO) report entitled, *Oil and Gas: Bureau of Land Management Should Address Risks from Insufficient Bonds to Reclaim Wells* (GAO-19-615). We appreciate GAO's review of the bonds that operators, operating rights owners, or lessees submit to BLM to ensure compliance with the Mineral Leasing Act (30 U.S.C. §§ 181 *et seq.*), including complete and timely plugging of the oil and gas wells and reclamation of the lease(s).

The GAO issued BLM two recommendations to address its findings. Below is BLM's response to GAO's recommendations.

Recommendation 1: The Director of BLM should take steps to adjust bond levels to more closely reflect expected reclamation costs, such as by increasing regulatory minimums to reflect inflation and incorporating consideration for the number of wells on each bond and their characteristics.

Response: Concur. The BLM recently updated its bonding program policy by issuing Instruction Memorandum 2019-014. The BLM is committed to ensuring that its field offices continue to review oil and gas bonds at least every five years, or earlier when warranted. The updated policy requires BLM to review oil and gas bonds to determine whether the bond amount appropriately reflects the level of potential risk(s) (liability) posed by the operators along with their positive compliance history. While the adjustment of bond levels may not reflect the inflation index, it is intended to increase bond amounts while fostering an environment conducive to BLM's leasing operations.

Recommendation 2: The Director of BLM should take steps to develop a mechanism to obtain funds from operators for reclaiming orphaned wells and if needed, request additional authority from Congress for such a mechanism.

Response: Do Not Concur. The BLM does not have the authority to seek or collect fees from lease operators to reclaim orphaned wells. To the extent Congress decides

to authorize this activity as in Section 349 of the Energy Policy Act of 2005, it is within Congress' purview.

The enclosure contains comments for your consideration when finalizing the report.

If you have any questions about this response, please contact Corey Grant, Acting Chief, Division for Evaluations and Management Services, at (202) 912-7040 or LaVanna Stevenson, Audit Liaison Officer, at (202) 912-7077.

Sincerely,

Joseph R. Balash
Assistant Secretary
Land and Minerals Management

Enclosure

Appendix III: GAO Contact and Staff Acknowledgments

GAO Contact

Frank Rusco at (202) 512-3841 or ruscof@gao.gov

Staff Acknowledgments

In addition to the contact named above, Quindi Franco (Assistant Director), Marietta Mayfield Revesz (Analyst-in-Charge), Marie Bancroft, William Gerard, Cindy Gilbert, Gwen Kirby, Joe Maher, Shaundra Patterson, Dan Royer, and Jerry Sandau made key contributions to this report.

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RON GALPERIN
CONTROLLER

June 27, 2018

Honorable Eric Garcetti, Mayor
Honorable Michael Feuer, City Attorney
Honorable Members of the Los Angeles City Council

Re: Review of the City of Los Angeles' Oil and Gas Drilling Sites

The history of Los Angeles is linked to the discovery and rise of oil and gas drilling. As of April 2018, there were about 5,000 known wells within City borders - about one-fifth of which are active or idle. With so many active and idle wells, it is essential that we do everything possible (1) to protect the health and safety of Angelenos, (2) to collect associated revenues to which our City and its residents are entitled, and (3) to increase transparency and accountability.

Background: The discovery of oil near present-day Dodger Stadium at the end of the 19th century played a critical role in Los Angeles' development. By 1930, the City's population grew to 1.2 million as California produced one quarter of the world's oil output. The history of this oil boom still dot the City's landscape - with active, idle, buried and abandoned oil and gas wells located near homes, schools, parks, hospitals and workplaces.

Numbers: According to the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) database, as of April 2018, there are 5,130 oil and gas wells within the City of Los Angeles. DOGGR, the state agency that oversees the drilling, operation, maintenance, and plugging and abandonment of oil, natural gas, and geothermal wells, indicates 3,133 of these are plugged and abandoned (wells that have been sealed with cement), 930 are buried, 780 are active and 287 idle (wells that have been inactive for a 24 consecutive months). About 77% of active and idle wells in the City are operated by six companies. A map illustrating oil and gas wells within the City of Los Angeles can be found at www.lacontroller.org/oilandgasreview.

(1) Protecting Angelenos: The City needs to take a more proactive, inclusive approach to oil and gas well inspections. The Los Angeles Fire Department has an inspection and permitting framework to protect residents and property from hazards of fire or explosions.

These inspections - conducted based on geographic data and date of last inspections - present an opportunity to assess risk and mitigate disaster. To improve information sharing, the City should refine its inspection program to enhance interdepartmental collaboration while also implementing a risk-based approach to site selection.

(2) Protecting taxpayer's financial interest: The City does not have adequate insurance and bond requirements to protect taxpayers from well operators that knowingly or unknowingly cause harm to the public or environment. There is more the City can and should do to control liabilities, to recover costs, and to consider other revenue generating measures. The City should consider policy changes to require that all well operators obtain, maintain and show proof of a combination of adequate insurance coverage and surety bonds while also performing periodic reviews of bonds/insurance policies. The City should also file claims when irresponsible operators of drilling sites demonstrate noncompliance with legal requirements and conditions of approval.

(3) Increasing transparency: Because it lacks comprehensive and reliable information about oil and gas drilling sites, the City cannot effectively facilitate coordination between Departments or make timely, data-driven policy decisions. In addition to building a centralized repository of interagency and interdepartmental information, officials should consider policy changes that require operators of oil and gas drilling sites to provide the City's Office of Petroleum and Natural Gas Administration and Safety with timely information.

Why these recommendations matter: The City has made good strides as of late demonstrating its commitment to improving local control of oil and gas drilling, including the appointment of a Petroleum Administrator in 2016. We would like to thank the Petroleum Administrator and the Office of Petroleum and Natural Gas Administration and Safety for their work and ongoing cooperation. Moving forward, there is more officials can do to consider a more public-health focused path and take a deliberate, data rich approach to protect public safety, establish priorities and make policy decisions that reflect the unique risks associated with oil and gas drilling within our large urbanized City.

Respectfully submitted,

RON GALPERIN
Los Angeles Controller

Review of the City of Los Angeles' Oil and Gas Drilling Sites

Hancock oil field, (top, 1910), present day location of the LA Brea Tar Pits (bottom) Top photo: L.A. Public Library Photo Archives (top), Wikipedia (bottom)

RON GALPERIN
LA CONTROLLER

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EXECUTIVE SUMMARY

The history of the City of Los Angeles is closely tied to oil and gas drilling activity that began in the nineteenth century. Despite the City's growth into a densely-populated urban environment, oil and gas operations continue today in close proximity to non-industrial sites such as homes, schools, businesses, and parks. The City's challenge is how to effectively oversee existing wells.

According to the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR), as of April 2018, there are approximately 5,000 known wells in the City.[1] Approximately 1,000 of these wells are active or idle, and the remaining wells are buried, or plugged and abandoned in accordance with State requirements. Further, approximately 77% of active and idle wells in the City are operated by six companies. The geographic distribution of wells overlaps with locations where large deposits of recoverable oil and gas were discovered.

Oil and gas drilling sites pose unique risks that can jeopardize public health or environmental quality, and the State is the primary regulator of the industry. Because of the State's regulatory authority, the City is generally preempted from controlling *how* oil and gas activities are carried out **below ground**. Nonetheless, the California State Constitution authorizes local governments to "make and enforce within its limits all local, police, sanitary, and other ordinances and regulations not in conflict with general laws [i.e., federal and State]." **Accordingly, the City can use its land use authority to determine *where* the activities are carried out and ensure that they are performed in accordance with local health and safety codes, as long as those codes do not conflict with federal or State laws.**

We initiated this review to determine if the City has:

- Established monitoring and enforcement programs to improve quality of life and public safety. We found that the City did not effectively enforce its land use decisions at drilling sites and we identified opportunities to improve how Fire Code inspections are performed.
- Required appropriate coverage to protect itself and its residents from financial risks associated with oil and gas wells. We noted the City does not have adequate insurance and surety bond requirements to protect taxpayers.
- Implemented effective processes to collect revenues and recover costs. We found that the City needs to do more to prioritize cost recovery, pursue new revenue streams, and ensure it receives the royalty revenue due from oil and gas operators.

For decades, City Departments tasked with carrying out responsibilities related to oil and gas activities did so without input from a professional with technical expertise to help establish priorities, coordinate efforts, and make informed decisions. Recent actions by City Policymakers demonstrate a commitment to improving local control: in September 2016 the City hired a full-time Petroleum Administrator, and members of the City Council recently expressed interest reorganizing the City's oversight framework.

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[1] DOGGR defines idle wells as wells that have been inactive for a period of 24 consecutive months (i.e., two years). Plugged and abandoned wells have been sealed with cement using techniques outlined by the State. Buried wells are typically older and are not abandoned to current standards; the mapped locations of those wells are sometimes only approximate.

Generally, we found that the City did not effectively exercise local control over oil and gas drilling sites due to the historical nature of drilling activity combined with a fragmented approach to oversight. This report and its related recommendations are intended to assist the City as it moves forward with efforts to improve oversight of oil and gas drilling sites, specifically as it relates to: (1) improving quality of life and public safety; (2) protecting City taxpayers' financial interests; (3) generating City revenue from oil and gas wells; and (4) increasing transparency and information sharing.

Improving Quality of Life and Public Safety

The City has taken a lax and reactive approach to monitoring, enforcing, and modernizing conditions of approval at oil and gas drilling sites. Upon granting land use approval, the Department of City Planning (DCP)/Office of Zoning Administration (OZA) establishes conditions under which a drilling site can operate (i.e., conditions of approval). These requirements are established on a site-by-site basis and are designed to mitigate nuisances such as foul odors, loud noises, bright lights, industrial traffic, vibrations, and other adverse effects. Documented evidence of noncompliance or ineffectiveness can be used to implement modified conditions of approval or require corrective actions.

Although the City's Department of Building and Safety (DBS) is responsible for enforcing the City's land use decisions, investigations about potential violations are only initiated based on complaints and, until recently, the City did not have a Petroleum Administrator to provide technical assistance. This approach limited the City's ability to document evidence that could be used to: (1) modify operating requirements to account for community concerns and surrounding land uses; and (2) modernize operating requirements to account for advances in technology, such as continuous air quality monitoring, and improved data management practices.

As it refines its Fire Code inspection program, the City should prioritize enhanced interdepartmental collaboration, and implement a risk-based approach to site selection. The Los Angeles Fire Department (LAFD) has an inspection and permitting framework to protect residents and property from hazards of fire, explosion, or panic. Each inspection performed by LAFD presents an opportunity to assess risk and share information with City Departments and regulatory agencies. Despite the City's recent efforts to reorganize its oversight approach, these inspections remain within a departmental silo. The effectiveness of the City's oversight efforts will remain constrained as long as these activities are not part of a larger, coordinated framework.

Currently, geographic proximity and date of last inspection are the primary factors considered when planning annual Fire Code inspections at oil and gas drilling sites. The LAFD needs to consider additional risk factors to make strategic decisions about which locations should be prioritized at the beginning of each inspection cycle.

To address these quality of life and public safety issues, the City should:

- **Identify** high-risk drilling sites, perform targeted reviews, document evidence of noncompliance, and take appropriate action to modify and modernize conditions of approval to include emerging technologies such as continuous air monitoring devices. These reviews should include input from residents and businesses located near high-risk

drilling sites. *(Responsible entity: Petroleum Administrator in collaboration with DCP/OZA, the City Attorney and DBS)*

- **Prioritize** interdepartmental collaboration and plan annual Fire Code inspections using additional risk-based factors such as: (1) proximity to residential and other non-industrial sites; (2) age and number of wells; and (3) number and severity of previous Fire Code violations. *(Responsible entity: LAFD)*

- **Consider** development of an enhanced oversight program to proactively monitor/enforce conditions of approval at drilling sites. In addition, consider the development of a single, cohesive inspection program that leverages expertise across City Departments. *(Responsible entity: City Policymakers)*

- **Consider** amending the Los Angeles Municipal Code (LAMC) to allow the City to undertake periodic reviews of conditions of approval at all drilling sites. *(Responsible entity: City Policymakers)*

Protecting City Taxpayers' Financial Interests

The City does not have adequate insurance and surety bond requirements to protect taxpayers from well operators that knowingly or unknowingly cause harm to the public or environment. Operators of oil and gas wells located in the City are not required to maintain insurance policies with the City as a named party, despite the fact that clean-up costs from accidents such as well blowouts, oil/chemical spills, or groundwater contamination can be significant. In contrast, the City of Carson requires well operators to obtain policies such as control of well insurance, excess liability, and environmental impairment coverage that name the City of Carson, its officers, officials, agents, and employees as additional insured entities.

The City's current approach to limiting financial liability is through surety bond requirements. Well operators seeking to obtain an operational permit from LAFD or land use approval from DCP/OZA are required to post and maintain surety bonds. Currently, the City requires $10,000 surety bond per well or a blanket bond of $50,000 for any number of wells (or cash-in-lieu deposits) to ensure compliance with the Fire Code. In addition, the City requires a $5,000 surety bond to ensure compliance with zoning and conditions of approval. Generally, the purpose of the surety bonds is to ensure the City has access to funds if an operator is unable to absorb the costs of site remediation and well plugging and abandonment.

These bonding requirements have not been revised in decades. In addition, the City does not have a process to adjust for risk factors unique to each site such as well depth, methods of operation, operator history, and proximity to residents and sensitive environmental sites. The State has recently taken steps to increase its bonding requirements and remediation budget, but these resources may not be sufficient to cover costs associated with all orphan wells in the City of Los Angeles.

The City needs to improve its processes to ensure well operators maintain insurance and bond coverage. As the City develops insurance requirements for oil and gas operators, it should also

establish minimum advance notification protocols about insurance policy renewals, revisions, and cancellations.

Currently, the City does not have adequate processes in place to ensure that operational and zoning surety bonds provided by well operators are still valid. Information provided by the Office of Finance, DCP/OZA, and City Administrative Officer (CAO) Risk Management Division showed that the City did not have a complete and accurate inventory of surety bonds and cash-in-lieu deposits. As a result, it is likely that older wells are no longer covered by active surety bonds due to insolvent surety companies.

To protect City taxpayers' financial interests, the City should:

- **Consider** policy changes to require all well operators to obtain and maintain a combination of adequate insurance coverage and surety bonds that reflect the unique public safety and environmental risks of operating a drilling site in a densely-populated urban environment. *(Responsible entity: City Policymakers)*
- **Consider** policy changes to require well operators to submit proof of bond/insurance coverage as part of annual applications for LAFD operational permits, and LAFD should upload bond/insurance documents to the City's electronic database. *(Responsible entity: City Policymakers)*
- **Perform** periodic reviews of bonds/insurance policies on file with the City, and file claims when irresponsible operators of drilling sites demonstrate noncompliance with legal requirements and conditions of approval. *(Responsible entity: Petroleum Administrator)*

Generating City Revenue from Oil and Gas Wells

Operators of oil and gas drilling sites are subject to several types of federal, State, and local taxes like other businesses operating in the City. The City can also generate revenue through industry-specific fees and extraction of oil and gas from City-owned property. Given the historical nature of drilling activity in the City, successful extraction of oil/gas from older wells is likely more challenging and expensive than in the past. Policymakers should consider these factors when evaluating taxes and fees from oil/gas extraction activity and develop an equitable framework that generates revenue for the City without discouraging business activity.

As it enhances the local oversight framework, the City should prioritize cost recovery. Successful implementation of the recommendations in this report, and the Council's interest in developing an enhanced local oversight framework, will require additional financial resources. Currently, the LAMC allows the City to recover costs only as related to processing land use applications and performing Fire Code inspections in conjunction with annual operational permits or specific-action permits. Moving forward, the City should ensure that additional costs associated with issuing licenses/permits, performing investigations/inspections, and administrative enforcement are borne by operators of drilling sites instead of taxpayers.

The City should consider reintroducing a barrel tax for voter approval. Many neighboring local jurisdictions assess a per barrel tax on oil that is extracted by well operators. The City previously

had a barrel tax in place, however, the tax was repealed in 1996.[2] The City put forth a special ballot measure in 2011 that would have imposed a tax of $1.44 per barrel of oil extracted within the City. The proposed tax rate was significantly higher than barrel taxes imposed by neighboring jurisdictions. The proposed ballot measure was narrowly rejected by voters 51.07% to 48.93%.

Although the March 2011 ballot measure was narrowly rejected, increased awareness about the impacts of oil and gas extraction in densely populated environment combined with high profile public health incidents such as Aliso Canyon may have shifted voter opinion.

The City's inadequate oversight of oil and gas extraction from under (or "subsurface") City-owned property makes it unlikely that the City is realizing the related value from its real estate assets. The City's revenue generation strategies include: (1) participating in agreements whereby well operators are extracting oil or gas from subsurface parcels whose mineral rights are owned by the City; and (2) awarding leases to allow well operators to construct and operate drilling sites directly on City-owned property. In exchange, the City is entitled to a percentage of profits from the sale of oil or gas extracted from those locations. Under both types of agreements, the City would receive "royalty" payments.

Council-controlled and Proprietary Departments provided information that showed oil and gas operators paid $390,000 in royalty revenue in FY2017. However, we could not confirm the accuracy of these payments because: (1) the City does not currently know the locations of all subsurface parcels where it owns mineral rights and has participated in a pooling or unitization agreement; and (2) City Departments acknowledged that they did not have a process to verify that operators paid appropriate royalties.

In addition, lax oversight of oil and gas lease agreements increases the risk that City-owned property has not been restored to its original condition and therefore may include idle, orphan, or improperly plugged/abandoned wells.

To address these revenue-related issues, the City should:

- **Amend** the LAMC to allow the City to recover regulatory fees associated with an enhanced local oversight framework for oil and gas drilling sites. *(Responsible entity: City Policymakers)*
- **Perform** a cost-benefit analysis for implementing a barrel tax that considers factors such as: (1) projected extraction volume based on historical records and likelihood of future drilling activity; (2) cost of placing the measure on the ballot; (3) ongoing administrative costs with imposing and collecting the tax; and (4) the appropriate tax rate. *(Responsible entity: City Policymakers)*
- **Direct** all Departments to verify any oil or gas exploration on or under property they control. Once an inventory has been developed, determine whether to renew and

[2] The City currently assess a business tax ($1.01 per $1,000 in gross receipts) on wholesale sales of oil or gas that is extracted within City limits.

renegotiate any expired lease agreements. In addition, oversight responsibility for all oil and gas extracted from City-owned properties should be formally transferred to the Petroleum Administrator. *(Responsible entity: City Policymakers)*

- **Perform** title research of land records to identify subsurface parcels whose mineral rights are owned by the City. For those related to oil fields with active extraction activity, determine whether the City received appropriate royalty payments. For well operators who did not pay the City royalties it was owed, consult with the City Attorney to explore legal options. *(Responsible entity: Petroleum Administrator)*

- **Collaborate** with LAFD and State regulators to identify lessees who did not restore City-owned property previously used for oil/gas exploration to its natural condition or comply with State plugging/abandonment requirements. Propose remedial/legal actions for lessees who did not fulfill their obligations. *(Responsible entity: Petroleum Administrator)*

- **Develop** an improved reporting process to provide assurance of compliance with lease requirements, including periodic reviews of royalty payments. *(Responsible entity: Petroleum Administrator)*

Increasing Transparency and Information Sharing

Because it lacks comprehensive and reliable information about oil and gas drilling sites, the City cannot effectively facilitate coordination between Departments or make timely, data-driven policy and operational decisions. We noted the City did not have: (1) an independently verified inventory of well locations that matched the inventory maintained by the State; (2) an electronic database of conditions of approval for all oil and gas drilling sites; and (3) a mechanism to require well operators or external regulatory agencies to notify the City when permits are issued, operators are cited for violations, or complaints are filed.

To address these transparency and information sharing issues, the City should:

- **Improve** access, timeliness, and reliability of information related to oil and gas drilling sites. This information should be compiled and connected in a manner to facilitate informed decision-making and improve interdepartmental and interagency coordination. As the City builds a centralized and reliable repository of information, it should also prioritize development of a public-facing website to increase transparency and facilitate public engagement on issues related to oil and gas drilling sites. *(Responsible entity: Petroleum Administrator)*

- **Consider** policy changes that require operators of oil and gas drilling sites to provide the Petroleum Administrator with timely notifications of complaints and communications to and from external regulatory agencies. *(Responsible entity: City Policymakers)*

CONCLUSION

City Departments are responsible for performing a variety of tasks related to oil and gas drilling sites such as making land use decisions, issuing permits, performing inspections, enforcing code requirements, protecting the City's financial interests, and leasing City-owned property for oil

exploration and extraction. For decades, the City had no expert on staff to coordinate these activities or provide input in the form of technical assistance. The City's historically fragmented approach led to inadequate oversight of oil and gas drilling sites. Council's recent interest in reorganizing the City's oversight framework, and establishing a dedicated Office of Petroleum and Natural Gas Administration & Safety (OPNGAS), demonstrate a renewed commitment to improving local control.

The oversight of oil and gas drilling sites is a critical function that impacts residents' health and quality of life. The Los Angeles County Department of Public Health has issued a report on public health risks that highlights the importance of: (1) site-specific assessments to determine appropriate setback distances from sensitive land uses; (2) working with State regulators to implement requirements for continuous air monitoring systems at drilling sites located near urban areas; and (3) improved local oversight through coordination and data-sharing.

As the City moves forward, it should consider this public-health focused guidance and take a deliberate and data-driven approach to establishing priorities, designing programs, and making policy decisions that reflect the unique risks associated with oil and gas drilling within our large urbanized City.

On June 4, 2018, a draft of this report was provided to the Board of Public Works – Office of Petroleum and Natural Gas Administration and Safety (OPNGAS), Los Angeles Fire Department, Los Angeles Department of Building and Safety, Department of City Planning/Office of Zoning Administration (DCP), Office of Finance, the Risk Management Division of the Office of the City Administrative Officer, General Services Department, Library, Recreation and Parks, Harbor Department, and Los Angeles Department of Water and Power. We met with OPNGAS at an exit conference on June 7, 2018 and invited comments from the management of each of the departments indicated. We considered those comments as we finalized this report for issuance. We would like to thank the Board of Public Works, OPNGAS, and staff from other City Departments for their time, expertise, and cooperation during this special review.

BACKGROUND

The City's status as a leading business, trade, and cultural center would not be possible without its industrial past. The discovery of oil near present-day Dodger Stadium at the end of the nineteenth century played a critical role in the City's development. The ensuing decades brought significant population growth and oil production; by 1930 the City's population grew to 1.2 million and the State was producing one quarter of the world's oil output.[3] Subsequent drilling overlapped with continued population growth.

Figure 1: Los Angeles City Oil Field (circa 1900)

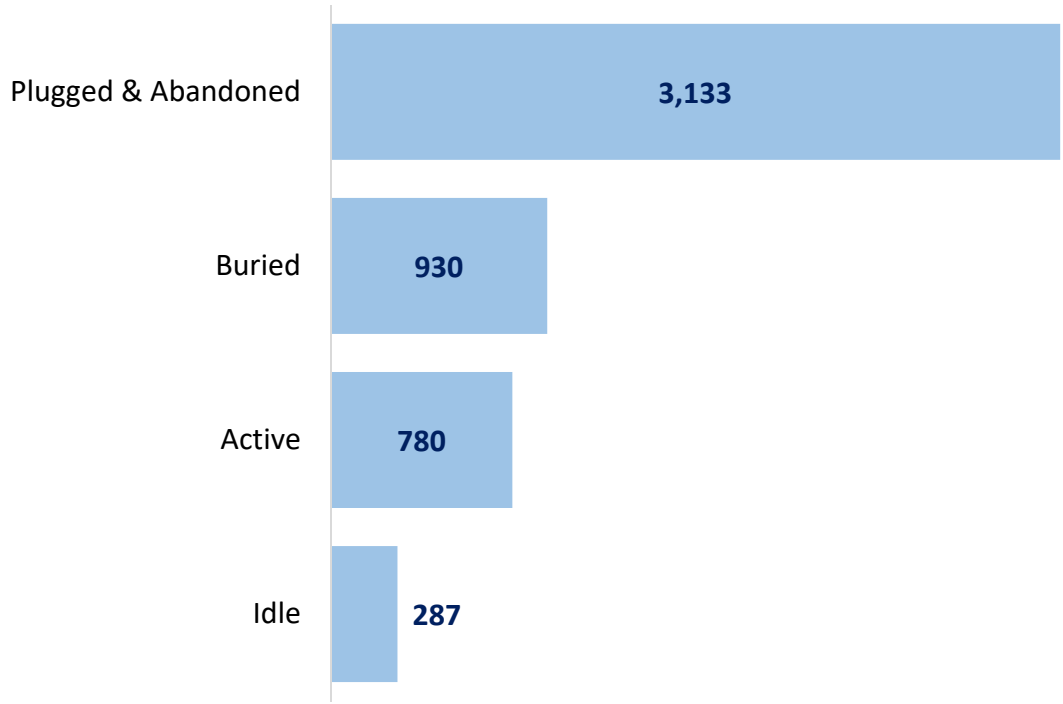
Source: California State Library

Regardless of whether oil and gas wells were drilled in established residential neighborhoods, or residential development followed after the drilling sites were established, the end result was the same. Today, a number of the City's active, idle, buried, and abandoned oil and gas wells are located in close proximity to homes, schools, hospitals, and other non-industrial sites. Further, many of the wells were initiated and/or abandoned prior to the establishment of modern federal, State, and local regulations.

According to the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) database, there are more than 5,000 known wells in the City of Los Angeles as of late-March 2018. DOGGR reported the status of those wells as follows:

[3] Taylor, Alan. "The Urban Oil Fields of Los Angeles." *The Atlantic,* August 26, 2014. https://www.theatlantic.com/photo/2014/08/the-urban-oil-fields-of-los-angeles/100799/

Figure 2: Number and Status of Oil and Gas Wells in the City[4]



Source: CA Department of Conservation Division of Oil, Gas, and Geothermal Resources (DOGGR)

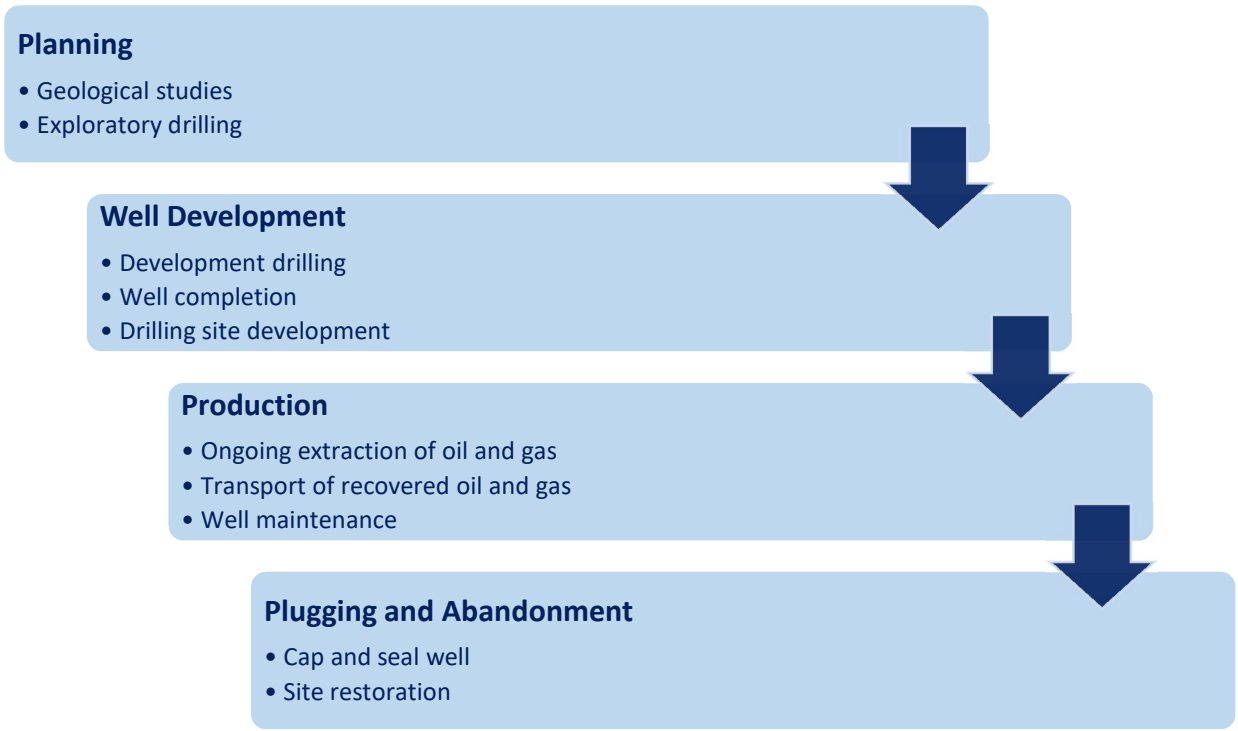
DOGGR data indicates that a small group of companies are responsible for ongoing oil and gas extraction; approximately 77% of active and idle wells in the City are operated by six companies. This group is comprised of the following companies: Warren E&P (224 wells); Freeport-McMoRan Oil & Gas LLC (217 wells); Tidelands Oil Production Company (183 wells); Southern California Gas Company (78 wells); Pacific Coast Energy Company LP (59 wells); and Brea Canon Oil Company (57 wells).

The City's Municipal Code (LAMC) defines an oil well as "any well or hole already drilled, being drilled, or to be drilled into the surface of the earth which is used or intended to be used in connection with…producing petroleum, natural gas, or other hydrocarbon substances." The LAMC categorizes oil and gas wells as either production wells ("Class A") or injection wells ("Class B"). Generally, Class A wells are designed to extract oil and gas substances from subsurface locations and Class B wells are used to inject substances such as oil field waste, gas, water, or

[4] Plugged and abandoned wells have been sealed with cement using techniques outlined by the State. Buried wells are typically older and are not abandoned to current standards and the mapped locations of these wells are sometimes approximate. As of January 2018, DOGGR defines idle wells as wells that have been inactive for a period of 24 consecutive months (i.e., two years) but can still be reactivated.

other substances into subsurface locations. The graphic below provides an overview of the process by which wells are established, activated, and abandoned.

Figure 3: Typical Life Cycle of a Well



Los Angeles Fire Department (LAFD) records indicate that there are more than a dozen large drilling sites across the City that include many of the active and idle wells listed in Figure 2. A single drilling site can consist of multiple wells, large pieces of industrial equipment, storage tanks, boilers, pumps, pipelines, pressure vessels, and other types of machinery and equipment.

Regulatory Framework

Oil and gas drilling sites pose unique risks that can jeopardize public health or environmental quality. Once a well has been drilled and easily accessible oil deposits have been extracted, operators may use enhanced recovery techniques that involve the subsurface injection of steam, gases, or chemicals to bring oil to the surface. Depending on the location of the drilling site, these chemicals may be transported through residential neighborhoods. Public health and environmental risks are not limited to active drilling sites; buried and idle wells can leak methane or contaminate drinking water. Given the number and magnitude of risks, several governmental entities are tasked with regulating oil and gas extraction activities.

The U.S. Department of the Interior, Bureau of Land Management oversees oil and gas drilling activities on federal land. However, regulation of oil and gas drilling activities on non-federal land is largely left to the State. DOGGR supervises the drilling, operation, maintenance, and plugging/abandonment of oil and gas wells. Entities seeking to engage in oil and gas activities

are required to obtain approval from DOGGR and submit monthly reports detailing the volume of oil and gas that was extracted.

There are additional State-level regulatory agencies tasked with protecting the public from health and environmental risks associated with oil and gas extraction activities. Under the oversight of the California Air Resources Board (CARB), the South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino counties. Every piece of stationary equipment in the City that emits or controls air pollution must be permitted by SCAQMD. In March 2017, CARB approved new regulations designed to detect and reduce methane leaks from oil and gas facilities.

Because of the State's regulatory authority, the City is preempted from controlling ***how*** oil and gas activities are carried out. Nonetheless, the California State Constitution authorizes local governments to "make and enforce within its limits all local, police, sanitary, and other ordinances and regulations not in conflict with general laws [i.e., federal and State]." Accordingly, the City can use its land use authority to determine ***where*** the activities are carried out and ensure that they are performed in accordance with local health and safety codes, as long as those codes do not conflict with federal or State laws.

City Departments' Roles and Responsibilities

There are several City Departments responsible for a wide range of approval, enforcement, and oversight of activities pertaining to oil and gas drilling. Operators of oil and gas drilling sites are subject to remitting City business and utility taxes, and some City Departments have leases with private companies to operate oil and gas wells on City-owned property. Lastly, the City established an Office of Petroleum Natural Gas Administration and Safety in 2016, intended to coordinate all matters related to the exploration for oil and gas in the City. The specific roles and responsibilities for each of these departments/offices are detailed below.

Land Use Approval to Establish a Drilling Site

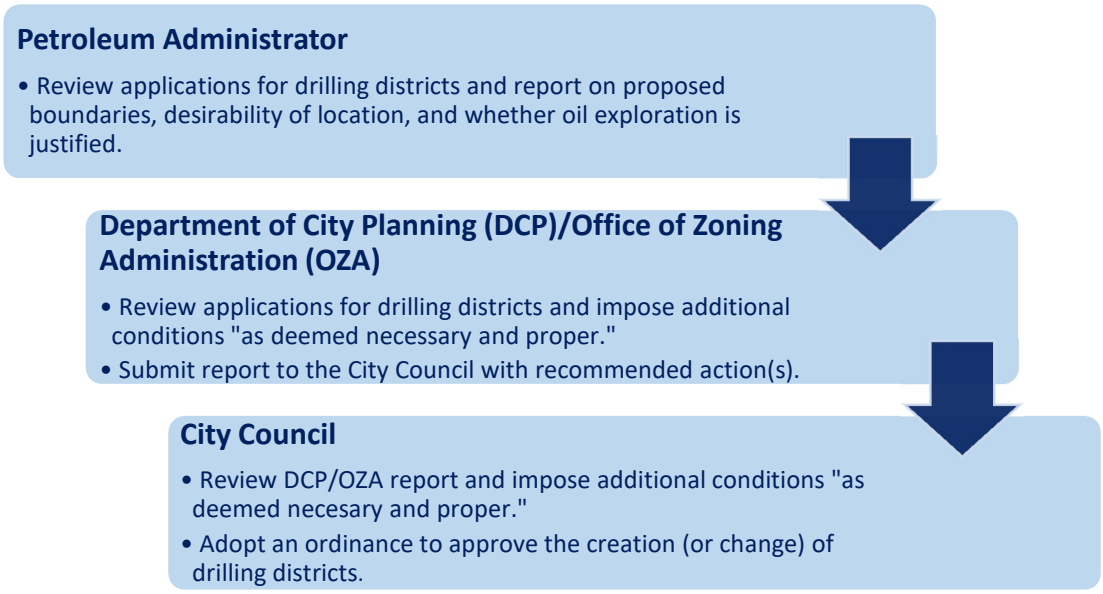
In addition to regulatory approval from DOGGR, operators must obtain land use approval from the City before establishing a drilling site. Land use decisions by planning officials related to drilling sites are discretionary and must weigh existing General Plan Policies, Goals, and Objectives along with the interests of the surrounding community.

The City's land use framework that dictates where and under what conditions oil and gas exploration can occur is outlined in the LAMC. This framework was originally established in 1946, decades after significant oil and gas exploration activity had already occurred within the region. Currently, the LAMC outlines a two-step process for obtaining land use approval from the City: establishment of an oil drilling district; and establishment of an oil drilling site.[5]

[5] According to the City's zoning code, land use approval to establish a drilling district or site in the M3 Zone ("Heavy

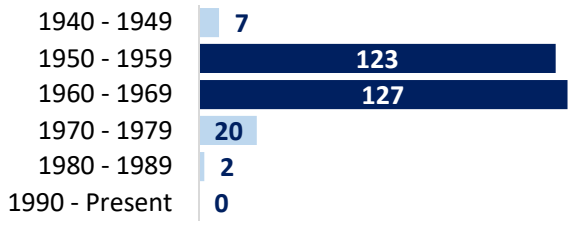
The LAMC divides the City into areas within which oil drilling districts can be established. Each area has a set of standard conditions that establish the minimum size of oil drilling districts, the allowable number and density of drilling sites and individual wells, and fencing and landscaping requirements. The graphic below outlines the process by which the City reviews and approves applications for oil drilling districts.

Figure 4: Establishing an Oil Drilling District



The City has not established a new drilling district in decades; a review of drilling district ordinances provided by DCP/OZA showed that the most recent drilling district was established in 1984 and a large number of drilling districts were established in the 1950s and 1960s. Some of these drilling districts were later terminated by the City but are included in Figure 5 to show the large amount of oil and gas exploration activity that occurred during the middle of the twentieth century.[6]

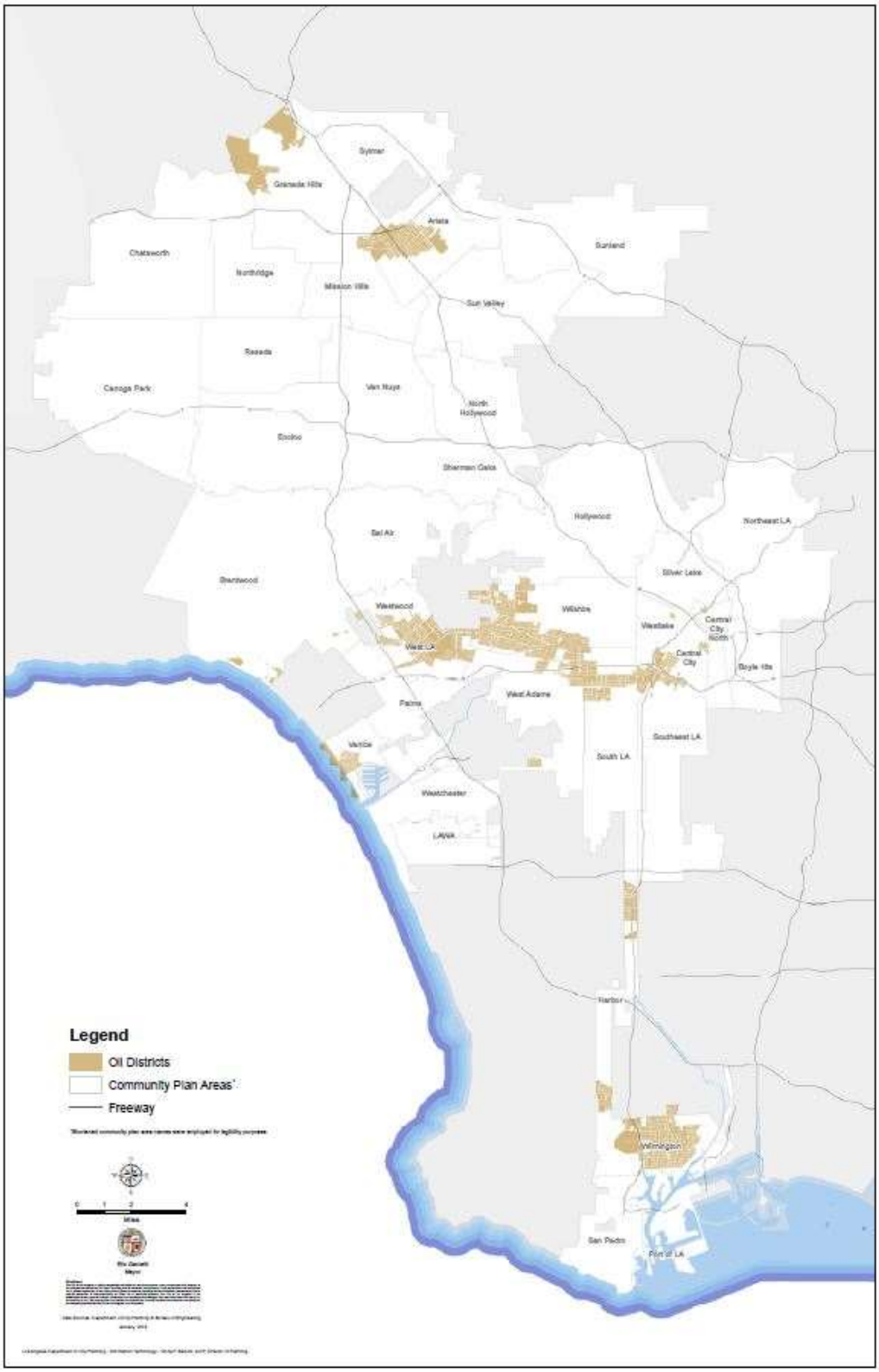
Figure 5: Oil Drilling Districts Established by Decade



Industrial") is not required unless the activity occurs within 500 feet of a more restrictive zone.

[6] DCP/OZA also provided documents that showed drilling district locations, establishment dates, and ordinance numbers but did not include corresponding ordinance language. These drilling districts may have been established in the 1950s (or prior) but were not included in Figure 5.

Figure 6 below shows the City's current drilling districts.



Once an oil drilling district has been established by ordinance, anyone seeking to "drill, deepen, or maintain an oil well or convert an oil well from one class to another [e.g., production to injection]" must file an application with DCP/OZA to request a determination of the conditions of approval under which the site can operate. Conditions of approval vary from site-to-site, however, the general purpose is to protect residents and property adjacent to the drilling site and ensure the operation is not a nuisance. If the application is approved, DCP/OZA sends the operator a letter of determination with a list of conditions. According to the Petroleum Administrator, no new drilling sites have been established in recent years; yet a challenge remains in how the City effectively regulates existing (i.e., "grandfathered") drilling sites.

Historically, DCP/OZA processed applications for modifications to original conditions of approval using a limited review process, which did not require an Environmental Impact Report or public participation. In September 2016, DCP/OZA agreed to follow a more comprehensive review process for (new) applications under the Municipal Code, including environmental review pursuant to the California Environmental Quality Act (CEQA), increased notification requirements to affected stakeholders, and public hearings. DCP/OZA staff indicated that no new applications have been received since the change in the City's review process.

Oversight of Oil and Gas Drilling Sites

Once a drilling site has been granted land use approval, there are various one-time and ongoing responsibilities assigned to City Departments to ensure that operators are in compliance with conditions of approval and local public safety codes. These functions are primarily assigned to the Department of Building and Safety (DBS) and Los Angeles Fire Department (LAFD).

Figure 7: Monitoring and Enforcement Activities Assigned to City Departments

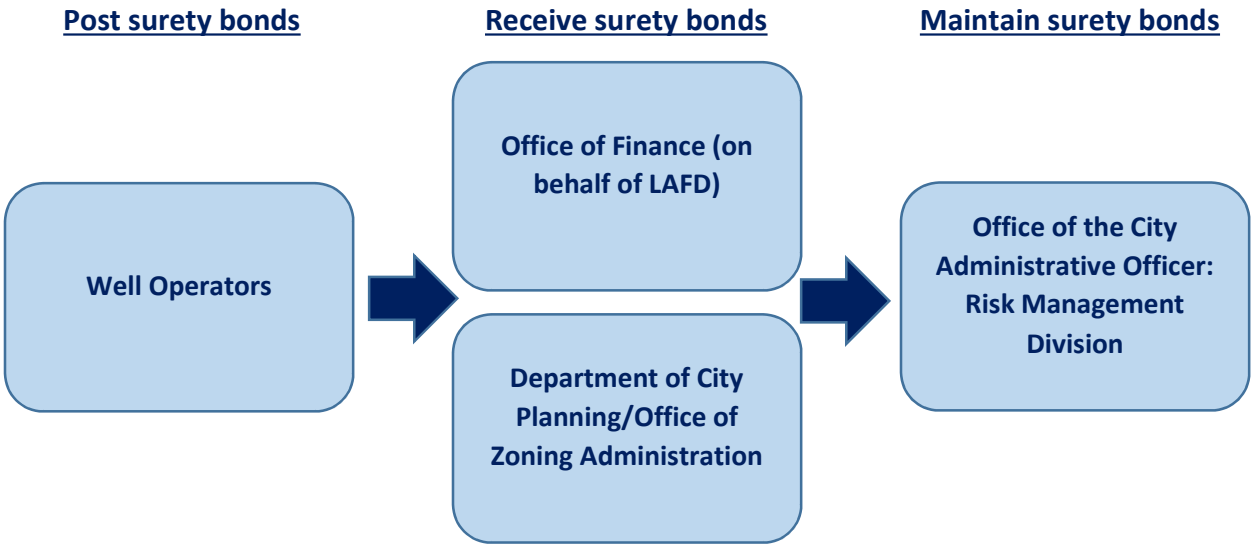
LAFD is also designated by the State as a Certified Unified Program Agency (CUPA) and is required to apply statewide standards to each facility in its jurisdiction that treats or generates hazardous waste, operates underground storage tanks, or stores hazardous material. Drilling sites with these items must be inspected and permitted to ensure compliance with State requirements.

Oil and Gas Well Bonds

In addition to activities to mitigate operational risks, the City has a system in place that is intended to limit exposure to financial risks associated with oil and gas drilling activities. Well operators seeking to obtain an operational permit from LAFD or land use approval from DCP/OZA are required to file and maintain surety bonds with the City. The purpose of the bonds is to ensure the City has financial resources available in the event the operator is unable to remediate issues related to Fire Code or land use violations. Operators are required to maintain active bonds until LAFD has determined that the well has been plugged and abandoned in accordance with DOGGR requirements.

The process by which bonds are posted and maintained are outlined in the graphic below.

Figure 8: Posting and Maintaining Surety Bonds



Prior to 2005, the City Attorney was responsible for maintaining the bonds to ensure they were enforceable in the event a claim needed to be filed. Since 2009, the Office of the City Administrative Officer (CAO) Risk Management Division has maintained an online system ("Track4LA") to streamline the processing, tracking, and verification of insurance policies and bonds submitted by contractors, vendors, and permittees.

Revenue

In addition to the activities described above, the City can exercise local control of oil and gas drilling sites through various revenue generation and cost recovery strategies. Generally, these revenues fall into two categories: (1) taxes applicable to all businesses operating in the City; and

(2) industry-specific strategies, including extraction (i.e., "barrel") taxes; fees to recover local regulatory costs; and revenue sharing agreements with private well operators that allow for oil/gas extraction from subsurface locations where the City owns the mineral rights.

Coordination

Given the number of City Departments tasked with responsibilities associated with oil and gas drilling sites, the City has established a framework to help ensure these activities are coordinated by a professional with technical and administrative expertise.

Board of Public Works, Office of Petroleum and Natural Gas Administration and Safety

The City hired a full-time Petroleum Administrator in September 2016 to improve oversight of petroleum and natural gas operations. The Petroleum Administrator was placed under the Board of Public Works in the Office of Petroleum and Natural Gas Administration and Safety (OPNGAS). The Los Angeles Administrative Code (LAAC) tasks the Petroleum Administrator with a broad range of responsibilities including:

- coordinating all matters respecting or concerning the exploration for, or production of, petroleum in the City;
- making recommendations concerning matters related directly or indirectly to the exploration for, or production of, petroleum within the City;
- reporting, upon request, to any department, bureau or office of the City regarding the creation of drilling districts;
- establishing rules and procedures for leasing of City-owned property for oil and gas exploration or production;
- administering and determining compliance with all provisions of oil and gas leases; and
- investigating and making recommendations concerning existing restrictions on exploration for, and production of, petroleum in the City.

The City did not have a full-time, qualified Petroleum Administrator on staff for approximately 30 years and the responsibilities delineated above were handled on an ad hoc basis by analysts who did not have a technical background in oil and gas matters.[7] As a result, the effectiveness of local oversight diminished because the City lacked input from a professional with technical and administrative expertise.

During this review, members of the City Council introduced a motion seeking to centralize oversight of oil and gas activity in the City under the Board of Public Works. One of the stated goals of the reorganization is to modernize the City's oversight structure to "enhance public safety, provide greater efficiency in deliver[ing] high quality public services, improve communications, and strengthen public health protections." Specifically, the motion tasks the Petroleum Administrator and City Departments with:

[7] The LAAC previously assigned these responsibilities to the Office of the City Administrative Officer (CAO).

- identifying functions performed by City Departments that can be transferred to OPNGAS;
- identifying the budget resources and LAMC amendments to facilitate the transfer of functions to OPNGAS;
- recommending operational improvements such as data management, community participation, and enhanced permitting and inspection activities; and
- recommending methods to integrate workflows and increase interdepartmental and interagency collaboration.

In March 2018, members of the City Council introduced a motion requesting that OPNGAS and DCP develop a plan to implement annual compliance checks to ensure oil and gas drilling sites are meeting appropriate regulatory standards and mitigating negative impacts. OPNGAS completed a preliminary assessment of the resources needed for an inspection program and requested funding to perform a fee study.

These efforts indicate that Policymakers are seeking a more defined and enhanced role for OPNGAS moving forward. Issues and recommendations regarding coordination and information sharing are included in Section IV of this report.

SECTION I: IMPROVING QUALITY OF LIFE AND PUBLIC SAFETY

The City can exercise local control of oil and gas drilling sites through its land use authority and local health and safety codes. Given the risks associated with oil and gas drilling sites, effective monitoring and enforcement activities to prevent and detect noncompliance are essential to protecting residents and property.

Quality of Life

Operators seeking to establish drilling sites in the City must obtain land use approval from DCP/OZA. Similar to other land use decisions in the City, DCP/OZA staff must respect the applicant's property rights and consider the compatibility of the proposed activities with the surrounding area. The industrial nature of oil and gas extraction means that drilling sites may be responsible for foul odors, loud noises, bright lights, industrial traffic, vibrations, and other adverse effects. The LAMC authorizes DCP/OZA to implement rules that operators must follow (i.e., conditions of approval) to mitigate the impact of these activities.

Conditions of approval vary from site-to-site, however, the general purpose is to protect residents and property adjacent to the drilling site and ensure the operation is not a nuisance. Once the conditions have been established, effective monitoring and enforcement is important as many drilling sites are located in close proximity to non-industrial sites such as homes, schools, and parks. Documented evidence of noncompliance can be used by DCP/OZA to implement modified conditions and/or corrective actions.

The City Has Missed Opportunities to Document Evidence of Violations of Conditions of Approval at Drilling Sites, but Recent Efforts Demonstrate Progress

Many of the drilling districts and sites in the City were established during the 1950s and 1960s. Generally, conditions of approval for existing drilling sites remain in perpetuity. While the LAMC allows DCP/OZA to impose additional conditions or require corrective actions, there is no mechanism in place to periodically assess whether the original conditions are still appropriate or effective. As a result, conditions of approval for older drilling sites may not consider advances in technology, improved data management practices, and surrounding land uses.

Historically, the City has taken a lax and reactive approach to monitoring and enforcing compliance with conditions of approval at oil and gas drilling sites. Evidence of violations has not been documented and the City has not made a concerted effort to modify and modernize operating requirements to account for community concerns and surrounding land uses.

The LAMC allows additional conditions or corrective measures to be imposed if there is demonstrated evidence that additional conditions are necessary to provide greater protection to residents and surrounding property. According to DCP/OZA, the following types of evidence can be used to initiate this process:

- failure to comply with existing conditions of approval;
- regulatory or Municipal Code violations; or
- a pattern of complaints backed by evidence that demonstrates the site is a nuisance to the community.

The LAMC also allows the City to implement additional conditions when operators of drilling sites submit an application to DCP/OZA to drill, deepen, or maintain a new or existing well.

The City has recently taken steps toward implementing modified conditions of approval at a drilling site in South L.A. that may serve as a model for future oversight activities.[8] The drilling site was originally established in 1965 and in recent years, residents living adjacent to the site have complained about its incompatibility with the surrounding neighborhood and accused the site operator of noncompliance with conditions of approval. In September 2016, DCP/OZA staff requested that the operator file a new Plan Approval application for a review of compliance with existing conditions of approval. The operator did not comply with the request and DCP/OZA staff and the Petroleum Administrator initiated a review of records maintained by City Departments and external regulatory agencies, conducted site visits, and held a public hearing to determine: (1) if the operator was complying with conditions of approval; and (2) if the existing conditions adequately protect the surrounding community.

Based on their efforts, DCP/OZA and the Petroleum Administrator found that since 2001, the operator obtained approval from DOGGR for at least 42 oil well maintenance and re-drilling jobs without requesting a determination of conditions of approval from DCP/OZA, as required by the LAMC. DCP/OZA also concluded that the operator failed to comply with requirements to effectively mitigate issues related sound, odor, light pollution, and the appropriate handling of hazardous materials. To address these findings, DCP/OZA issued a new letter of determination with modified conditions, which include:

- enclosing drilling equipment in a 45-foot structure;
- several technology-focused improvements to allow real-time monitoring of the site;
- increased restrictions on industrial traffic in the neighborhood; and
- filing a Plan Approval application within two years to review compliance with the modified conditions.

As described above, DCP/OZA is authorized to require an operator to file an application for modified conditions of approval as a means to abate a nuisance or address non-compliance with existing conditions. However, this process is not possible unless the City has documented evidence of noncompliance or nuisance operations.

Missed Opportunities to Document Evidence of Violations

DBS is responsible for enforcing the City's zoning ordinances, including compliance with conditions of approval established by DCP/OZA. The LAMC provides DBS with authority to conduct inspections to enforce land use decisions and compliance with various building regulations (e.g., Building Code, Electrical Code, Plumbing Code). However, we found that DBS does not use this authority to perform proactive monitoring and enforcement of conditions of approval at oil and gas drilling sites.

[8] In April 2018, the operator filed a lawsuit challenging the City's right to impose additional conditions and seeking to set aside the determination in full. The trial in the matter is not expected to take place until 2019.

DBS staff stated that investigations about potential violations are initiated based on complaints about issues within their authority; complaints about non-DBS issues are referred to other City Departments. However, the information management challenges described in this report make it unlikely that DBS received notification of all relevant complaints. DBS also noted that some of the conditions of approval they are tasked with enforcing are outside their area of expertise and, until September 2016, the City lacked a full-time Petroleum Administrator that could provide technical assistance on these matters. As a result, the City missed opportunities to document evidence of violations at drilling sites.

These issues are not new. The need for a proactive code enforcement program to monitor and enforce compliance with conditions of approval at oil and gas drilling sites was outlined in a City Planning report to the City Council in November 2014. The report suggested that DBS' proactive monitoring and enforcement of businesses such as junkyards, auto body shops, recycling centers, and used car lots could be used as a model for the new program. For those sites, DBS is required to perform annual inspections to verify compliance with minimum standards included in the LAMC. Fees to cover the cost of performing the inspections are paid by property owners or business operators. However, a proactive enforcement program for oil and gas drilling sites was not developed; DBS' approach remains reactive.

A Way Forward

Although DBS is responsible for enforcing compliance with conditions of approval at drilling sites, there are obstacles that have prevented it from effectively performing those duties. DBS cannot enforce what it does not know; documents outlining conditions of approval for older drilling sites are stored in DCP/OZA files or in the City Archives. In addition, DBS inspectors may lack the technical expertise to evaluate whether the equipment and operations at a drilling site are appropriate.

These limitations suggest that simply providing DBS with additional resources to increase the number of available inspectors may not be enough. Although recent efforts by DCP/OZA and the Petroleum Administrator were a reactive approach to longstanding issues, they demonstrated that a targeted interdepartmental response can be used to document evidence of violations or nuisance operations. There may be additional sites in close proximity to residential neighborhoods that have not been subject to comprehensive review during the decades-long period when the City lacked a Petroleum Administrator. Investigations of these high-risk sites should be prioritized as the City develops a proactive monitoring and enforcement program.

Proactive, thorough inspections are critical to ensure compliance with conditions of approval. However, an inspection represents a snapshot in time, and may not be representative of the continuing day-to-day activities at a drilling site. The City's recent efforts at the South L.A. drilling site described above are notable for utilizing emerging technologies to improve the City's ability to monitor quality of life and public safety issues on an ongoing basis. Specifically, the City is requiring the operator to install and maintain the following:

- a fence-line air monitoring system that provides real-time air quality data via a website that also generates quarterly reports for SCAQMD, the Petroleum Administrator, and DCP/OZA;

- an early detection system to notify LAFD when hydrogen sulfide or methane is detected;
- acoustic, vibration, and video monitoring systems to track noise/vibration issues, and determine the cause(s) of a disturbance.

Additional technologies, such as the use of drones or other tools with advanced sensing technologies, can improve the City's ability to monitor and detect unfavorable issues at drilling sites. The City should prioritize incorporating these types of technologies into modified conditions and development of a single, cohesive inspection program that leverages expertise across all City Departments.

In addition to site-specific investigations to identify noncompliance, the City needs a mechanism to periodically review conditions of approval for ***all*** drilling sites in order to ensure that it is protecting residents from public health risks, effectively utilizing emerging technologies, and considering surrounding land uses. The Petroleum Administrator should collaborate with City Policymakers to determine an appropriate interval for these citywide reviews (e.g., every five years).

Public Safety

In addition to land use controls to ensure drilling sites are not a nuisance to the surrounding community, the City has a recurring inspection and permitting framework to protect residents and property from hazards of fire, explosion, or panic. Anyone seeking to establish or maintain an oil or gas well must obtain an operational permit from LAFD for each well that has not been appropriately abandoned (i.e., all active and idle wells). LAFD also requires specific-action permits for activities such as drilling, re-drilling, and well abandonment. For both operational permits and specific-action permits, the LAMC tasks the LAFD with performing investigations and granting approval, conditional approval, or denial of the application. By issuing the permit, LAFD is attesting that the well (and drilling site) does not create any undue hazards and is compliant with the City's Fire Code. LAFD has the authority to revoke or suspend permits due to violations of the Fire Code or when necessary for the protection of life and property.

Given the inherent risks of oil and gas operations and the large number of wells located throughout the City, regular and thorough Fire Code inspections are needed to protect public safety. Prior to 2017, the Fire Code inspections were performed by the LAFD's Harbor Industrial Unit (LAFD-HIU) in San Pedro. This function was transferred to the LAFD-CUPA unit in late 2017 due to personnel changes and organizational restructuring, however, responsibility for Fire Code inspections is being returned to LAFD-HIU due to LAFD-CUPA taking on additional responsibilities related to hazardous waste inspections. LAFD-CUPA staff have begun working on transferring the program back to LAFD-HIU and indicated that the current plan is to maintain the existing staffing model (i.e., one inspector for all active and idle wells).

The City Should Prioritize Annual Fire Code Inspections Using a Risk-Based Approach

The LAMC requires the Fire Marshal (or designee) to investigate applications for operational permits ***before*** making a decision and instructing Finance to issue or deny the permit. The investigation and operational permit issuance process outlined in the LAMC does not distinguish between applications submitted for new wells and renewal applications submitted for existing wells. Although a new drilling site has not been established in recent years, Finance and LAFD staff agreed that an inspection demonstrating compliance with the Fire Code would be required prior to the issuance of a new operational permit. In contrast, renewal applications for existing wells are renewed automatically upon receipt of payment, and Fire Code inspections are performed throughout the calendar year.

Although an inspection only provides a snapshot of the site's compliance with the Fire Code, the annual inspection cycle provides an opportunity to make strategic decisions about which locations should be prioritized. LAFD-CUPA staff indicated that factors such as geographic proximity and date of last inspection have guided their selection of locations since they began performing inspections in October 2017. As the City transfers this function back to LAFD-HIU, it should consider additional risk factors when deciding which locations to inspect at the beginning of each year. These risk factors include: (1) proximity to residential and other non-industrial sites; (2) age and number of wells; and (3) number and severity of previous Fire Code violations cited by LAFD.

The City Should Enhance Interdepartmental Collaboration as it Refines its Fire Code Inspection Program

Because DBS does not proactively inspect oil and gas drilling sites to ensure compliance with conditions of approval, the annual Fire Code inspections performed by LAFD are the City's primary tool to monitor activity at oil and gas drilling sites. Although LAFD's responsibilities are limited to enforcement of the Fire Code, each inspection presents an opportunity to assess risk and collect and disseminate information to other City Departments and external regulatory agencies.

Recent actions by City policymakers to improve local control (i.e., hiring a Petroleum Administrator and working to reorganize the oversight framework) demonstrate a commitment to mending the fragmented approach of the past. However, LAFD's process of performing Fire Code inspections, and information about those inspections, remains within a departmental silo. Currently, a single LAFD inspector is assigned to inspect more than 1,000 active and idle wells throughout the City on an annual basis. Operators who are cited for violations of the Fire Code are provided an opportunity to remediate the issue, and instances of continued noncompliance are forwarded to the City Attorney for follow-up actions. Information about Fire Code inspections and violations was previously recorded in the LAFD's Fire Prevention Application (FPA) system and until the recent decision to return control to LAFD-HIU, LAFD-CUPA staff began migrating the data to its Envision Connect data management system. Access to FPA and Envision Connect is limited to LAFD personnel; the software is housed on an LAFD server.

LAFD's approach may meet its needs based on LAMC requirements to enforce the Fire Code at drilling sites. However, the effectiveness of the City's oversight efforts will remain constrained if these activities are not part of a larger, coordinated framework. For example, a recurring pattern of Fire Code violations may alert other City Departments to potential issues such as noncompliance with conditions of approval or violations of the City's building codes (e.g., electric or plumbing codes). Technical assistance from the Petroleum Administrator could be used to identify high-risk sites that should be inspected more frequently. Photos of drilling sites and equipment could be used to track modifications to the site, or be used to compile information for a more centralized database that begins to address the information gaps described in this report. Currently, the level of ongoing and proactive interdepartmental collaboration falls short.

In March 2016, the LA County Board of Supervisors formed a multi-agency team to conduct site visits and collect information about safety conditions, permit requirements, and zoning recommendations for oil and gas wells in unincorporated areas of the County. The multi-agency team included officials from the County's Department of Regional Planning, Department of Public Health, Fire Department, and Department of Public Works. LAFD staff expressed concerns about involvement in a similar endeavor for the City. They cautioned that it would reduce efficiency and decrease the likelihood that all required inspections could be completed with existing staff. Further, LAFD officials expressed concerns about the effectiveness of non-LAFD personnel unfamiliar with oil and gas drilling sites accompanying LAFD inspectors. Despite these concerns, the City should evaluate the feasibility of designing a comprehensive monitoring and enforcement program that includes staff across City Departments.

Recommendations

The Petroleum Administrator should:

1.1 Collaborate with DCP/OZA, the City Attorney, LAFD, and DBS to identify high-risk drilling sites and initiate targeted reviews to determine whether operators are in compliance with existing conditions of approval requirements.

1.2 Engage residents and businesses near high-risk drilling sites to document evidence of nuisance operations.

1.3 Collaborate with DCP/OZA to implement modified conditions or corrective actions for those high-risk sites determined not to be in compliance with existing conditions of approval or responsible for nuisance operations. Prioritize modernization of drilling sites by requiring operators to install continuous air monitoring devices and other emerging technologies.

The Los Angeles Fire Department should:

1.4 Prioritize annual Fire Code inspections using additional risk-based factors such as: (1) proximity to residential and other non-industrial sites; (2) age and number of wells; and (3) number and severity of previous Fire Code violations cited by LAFD.

City Policymakers should:

1.5 Amend the LAMC to allow the City to undertake periodic reviews of conditions of approval at all drilling sites to consider public health risks and surrounding land use. Collaborate with the Petroleum Administrator to determine an appropriate interval for these reviews.

1.6 Consider developing an enhanced oversight program to proactively monitor and enforce compliance with conditions of approval at oil and gas drilling sites based on experience and data collected from the targeted reviews. In addition, determine whether annual inspections performed by City Departments such as LAFD and DBS should be incorporated into the proactive monitoring and enforcement program.

SECTION II: PROTECTING CITY TAXPAYERS' FINANCIAL INTERESTS

The State's regulatory framework is designed to protect the public and environment from adverse impacts of oil and gas extraction activities; however, accidents such as blowouts, spills, or contamination are sometimes unavoidable. In addition, irresponsible or insolvent operators may desert wells when they are no longer producing, rather than plug the wells in accordance with State requirements. The probability, timing, duration, and magnitude of these risk events depends on many factors, including the wells' phase of production; proximity to residents or sensitive environmental sites; method of extraction/injection; well depth; age of well; financial stability of the well operator; and effectiveness of regulators.

Aside from potential harm, the financial costs of remediating issues related to oil and gas drilling sites in a densely-populated urban environment can be significant. Given the risks, the City needs to consider appropriate financial coverage requirements to protect taxpayers from well operators that knowingly or unknowingly cause harm.

The City's Risk Management Approach Should Include a Combination of Insurance and Increased Bonding Requirements

The type of financial risk management instruments and required coverage amounts should be determined based on the type of risk the City is seeking to mitigate.

Insurance

The City can initiate legal proceedings to pursue compensation from any operator responsible for an accident that causes harm to public safety or the environment. However, this approach may not be successful in providing funds necessary for remediation because the impacts of a serious incident may render the responsible operator insolvent. In addition, the City would be required to provide the evidence to show an operator was responsible for the accident, and that could prove challenging. One potential strategy is to transfer risk to a third party, through insurance requirements. Because insurers develop policies based on the required coverage amount and level of risk, operators of older drilling sites may be incentivized to invest in site modifications or safety enhancements to drive down monthly insurance costs.

The LAMC does not require operators of drilling sites on private property to maintain insurance policies with the City as a named party.[9] However, DCP/OZA may use its discretion to require well operators to maintain insurance on a case-by-case basis, by attaching the requirement to the conditions of approval. For example, the conditions of approval for the South L.A. drilling site described earlier in this report require the operator to maintain $2 million in general liability insurance to account for potential property damage caused by drilling or extraction activities. The City lacks a database of conditions of approval for all oil and gas drilling sites, therefore, the extent to which other well operators have been subject to similar insurance requirements is unknown.

[9] The LAAC requires the Risk Manager to recommend changes to the City Council about the adequacy of ordinances that require entities to post insurance. However, the LAAC does not appear to specifically assign responsibility for situations where there is no insurance requirement.

Some local jurisdictions such as Culver City and Simi Valley require all operators of oil and gas wells to maintain general commercial liability insurance. Of particular note is the City of Carson, which made significant revisions to its Municipal Code in 2016. Operators of each oil and gas drilling site in Carson are required to maintain liability policies that also name the City of Carson, its officers, officials, agents, and employees as additional insured entities. The specific insurance requirements are outlined in the table below.

Figure 9: City of Carson Insurance Requirements for Operators of Oil/Gas Wells[10]

Insurance Type	Minimum Requirements	Notes
Control of Well Insurance	$40 million per occurrence Max deductible of $500k per occurrence	Only applies during drilling or reworking. Policies designed to cover cost of controlling well that is out of control, drilling or restoration expenses, and seepage and pollution damage. Requirements may be waived if operations are confined to depths and formations within which there is no substantial risk of loss of well control.
Excess (or umbrella) liability insurance	$25 million	Provides excess coverage for each of the policies listed below, except for underground reservoir (or resources) damage.
Bodily injury and property damage	$2 million per occurrence $2.5 million in the aggregate	Coverage must include premises, operations, blowout or explosion, underground property damage, underground reservoir (or resources) damage, etc.
Environmental impairment (or seepage and pollution) coverage	$2 million per occurrence $2.5 million in the aggregate	Covers sudden or accidental release of oil/gas, vapors, fumes, chemicals, etc. Must be included in general liability coverage or as separate coverage. The policy must include a minimum 10 year discovery period.
Commercial automobile liability insurance	$1 million per occurrence	Shall include coverage for all owned, hired and non-owned automobiles, or other licensed vehicles.
Workers' Compensation Insurance	$1 million per occurrence	Operators must maintain coverage in accordance with minimum statutory requirements.

There are a variety of indemnity agreements and insurance models that may be appropriate. For example, the City can require well operators to obtain a policy that names the City as an

[10] According to Carson's Municipal Code, well operators can "self-insure if insurance is not commercially feasible to obtain and maintain in the commercial insurance market, as certified by a written report prepared by an independent insurance advisory of recognized national standing…" This exception only applies to excess (or umbrella) liability coverage, control of well insurance, and environmental impairment (or seepage and pollution) coverage.

additional insured entity, which would allow the City to file a claim in the event that the activities of well operator harm the City's financial interests.

City Policymakers should consult with the Risk Manager and Petroleum Administrator and consider the following issues while developing insurance requirements: (1) policy types and minimum coverage amounts; (2) whether the City's interests would be best protected by being included in the policy as an additional insured entity; (3) duration of environmental insurance requirements to account for long-term risks such as oil seepage after a well has been plugged and abandoned; (4) carefully written language to ensure the City is able to collect from the insurance company in the event of a claim being filed; and (5) the minimum credit rating (as determined by a generally accepted rating organization) for eligible insurers.

Surety Bonds

In the absence of insurance requirements, the City requires two sets of surety bonds related to oil and gas well operations: a zoning bond and an operational bond. These surety bond requirements do not absolve well operators from liability associated with fire, well failures, or conditional use violations. Generally, the system is designed to protect the City and its taxpayers from irresponsible operators who simply desert wells when they are no longer productive or insolvent operators who enter bankruptcy and cannot afford the costs of well plugging and abandonment. Given the anticipated costs, surety bond requirements should reflect the costs of reclaiming a site on public or private land.

The LAMC requires well operators to post a $5,000 bond or deposit cash when applying for a permit to drill, operate, or maintain any oil or gas well ("zoning bond") in urbanized areas of the City or the Los Angeles City Oil Field Area. The bond is intended to ensure operators comply with conditions of approval established by DCP/OZA. If the operator fails to comply, the City can claim the cash deposit or obtain financial compensation from the surety company and use the funds to defray any costs incurred to ensure compliance with zoning requirements and conditions of approval. Zoning bonds are required to be maintained throughout the life of an established drilling district or well. DCP/OZA staff stated the bond requirements were inadequate and noted that the last drilling district in the City was created decades ago.

The City's Fire Code, which is part of the LAMC, also requires operators of oil and gas wells to post surety bonds of $10,000 per well, or through a blanket bond of $50,000 for any number of wells ("operational bond"). The primary purpose of the operational bond is to ensure that the City has financial resources available in the event that an operator fails to plug and abandon a well in accordance with State law or is found in violation of fire and safety requirements outlined in the City's Fire Code. Bonds can be obtained from a surety company or the operator can deposit cash with the City Treasurer in-lieu of posting a bond. Operational bonds are released when the operator plugs (i.e., caps and seals the well in accordance with DOGGR requirements) and abandons (i.e., removes all equipment and restores the site back to its original condition) the well. The LAMC section related to operational surety bond requirements has not been revised for decades; City officials agreed that the requirements were outdated. According to the LAAC, the Risk Manager is required to make a recommendation to the City Council if it is determined that the City's bonding requirements do not provide adequate protection.

Several neighboring municipalities have lower operational surety bond requirements than the City, but require additional proof of liability insurance to operate a well within their respective jurisdiction. In addition, jurisdictions such as Culver City, Santa Fe Springs, and Carson have provisions in place to determine the appropriate level of bonding that is needed on a case-by-case basis. The City of Carson requires its Petroleum Administrator to reassess each bond requirement every five years to determine whether the amount is sufficient to cover any abandonment or remediation costs.

Figure 10: Comparison of Oil and Gas Well Bonding and Insurance Requirements for Selected Neighboring Municipalities

	Bonding Requirements		Insurance Requirements		
Jurisdiction	**Individual Well**	**Multiple Wells (5 or more)**	**Liability**	**Property**	**Notes**
City of Los Angeles	$10,000	$50,000	N/A	N/A	$50,000 blanket bond for any number of wells
City of Simi Valley	$10,000	N/A	$500,000/$1,000,000	$2,000,000	Liability limits for one person/all persons
Culver City	①	①	$10,000,000	N/A	General Commercial Liability
City of El Segundo	$2,000	$10,000	N/A	N/A	
Santa Fe Springs	②	②	N/A	N/A	
City of Torrance	$5,000	$25,000	N/A	N/A	
City of Fullerton	$2,000	$10,000	N/A	N/A	
City of Carson	③	③	$2,000,000	See note	Environmental $2M / WC $1M / Auto $1M / Umbrella $25M
County of Los Angeles	$2,000	$10,000	N/A	N/A	

① Bond requirements did not have a set amount, bond shall guarantee the faithful performance of all the conditions of the permit, and all other pertinent City, State or Federal laws rules and regulations.

② Bond requirements did not have a set amount, bond shall guarantee the faithful performance, sum to be determined by resolution of the City Council or State law, for each well.

③ The Petroleum Administrator shall determine the amount of the bond based on many factors and to ensure the completion of abandonment to the amount not covered by DOGGR bonds. Bond shall be inflation indexed, reassessed every 5 years, etc.

In contrast, the City has established minimum bonding requirements without requiring additional liability insurance, nor a process to adjust for risk factors unique to each site such as well depth, methods of operation, operator history, and proximity of the well to residents and sensitive environmental sites.

As the regulator of oil and gas drilling activities throughout the State of California, DOGGR also requires operators to file bonds when seeking to drill, re-drill, deepen, or maintain an oil well. The conditions of bonds filed with DOGGR are tied to compliance with all provisions of Division 3 of the State's Public Resources Code and lawful orders made by DOGGR officials. DOGGR modified its bond requirements in January 2018. The tables below compare current individual and blanket bond amounts required by the City and DOGGR.

Figure 11: Bonding Requirements for Individual Oil and Gas Wells in the City

Jurisdiction	Individual Well	Well Depth	Number of Wells
City of Los Angeles	$10,000	N/A	Unlimited
DOGGR	$25,000	< 10,000 feet deep	1 to 19
DOGGR	$40,000	> 10,000 feet deep	1 to 19

Figure 12: Bonding Requirements for Multiple Oil and Gas Wells in the City

Jurisdiction	Blanket Bond Amount	Well Depth	Number of Wells
City of Los Angeles	$50,000	N/A	Unlimited
DOGGR	$200,000	N/A	20 to 50
DOGGR	$400,000	N/A	51 to 500
DOGGR	$2,000,000	N/A	501 to 10,000
DOGGR	$3,000,000	N/A	More than 10,000

The underlying goal of requiring a surety bond for oil and gas wells is to protect taxpayers from absorbing the cost of remediating a site if an operator is unable to pay. For example, idle oil and gas wells that are no longer in operation present environmental and safety risks. Irresponsible operators may shirk their responsibility to properly plug and abandon these wells in accordance with State law, because the costs can be significant and there is no return on investment. If DOGGR cannot identify the operator of a deserted well, or an operator enters bankruptcy, DOGGR can access funds from its Oil and Gas Environmental Remediation Account to plug and therefore appropriately abandon those "orphan" wells that pose a danger to life, health, water quality, wildlife, or natural resources. The State has gradually increased the maximum funding level for this account and DOGGR is currently authorized to spend up to $3 million[11] per year to remediate deserted wells. DOGGR reportedly has plugged approximately 1,350 deserted wells since 1977 at a cost of more than $27 million (approximately $20,000 per well).

Although the State has a program in place to cover costs associated with orphan wells that pose a threat to public safety and the environment, it has recently taken steps to enhance its oversight. In September 2016, Governor Brown signed a bill to reduce the number of idle wells that may become orphaned. All operators must either submit a plan for the management and elimination of all long-term idle wells, or pay an annual fee. By increasing fees required to maintain idle wells, DOGGR's goal is to encourage operators to either reactivate or plug and appropriately abandon idle wells in conformance with State requirements.

DOGGR's remediation budget and bond requirements may not be sufficient to cover costs associated with all orphan wells in the City of Los Angeles. DOGGR recently sealed two orphan wells buried under a residential street in an Echo Park neighborhood after receiving complaints

[11] Commencing on July 1, 2018.

from residents about foul odors from leaking gas. The wells were originally drilled before 1903, and DOGGR concluded that they would likely continue to deteriorate without intervention. The total cost of plugging the two wells exceeded $2 million. The City could have been forced to absorb a portion of the cost if DOGGR did not have funds available, or if deserted wells in other areas of the State were a higher priority. This example, though seen as a worst-case scenario, demonstrates the need for financial assurance requirements to reasonably reflect the cost of remediation.

The City Needs to Ensure Well Operators Maintain Active Insurance and Bond Coverage

Once a well operator provides proof of insurance or bond coverage, the City should have effective administrative processes in place to ensure that the insurance policy or surety bond does not lapse.

Insurance

As the City develops insurance requirements for oil and gas well operators, it should develop minimum notification requirements about insurance policy renewals, revisions, and cancellations. Failure to maintain coverage should be grounds for cancellation or suspension of the annual operational permit issued by LAFD, until the operator provides proof of coverage.

Surety Bonds

Each active and idle well in the City should be covered by an individual or blanket bond. Once a surety bond has been posted, it is incumbent upon the City to periodically confirm that it is still valid and the surety company is in good financial standing and can provide funds if a claim is filed. The LAAC tasks multiple City Departments with responsibilities related to oversight of surety bonds once they have been filed:

- City Departments that receive bonds are required to "keep an adequate" record of details associated with each bond such as filing date, operator performance, and occurrence of any loss or default;
- the Risk Manager is required to maintain bonds "in such manner as to keep them enforceable";
- the City Controller, upon the Risk Manager's request, is required to report on the financial standing and responsibility of a surety company that has offered a bond to the City.

The LAMC requires operators to file operational bonds or submit cash-in-lieu deposits to the Office of Finance when submitting an application to drill, operate, or maintain a well. We requested an inventory of surety bonds for oil and gas wells but Finance staff could not produce a listing; however, Finance provided a list of eight cash-in-lieu deposits, totaling approximately $225,000.

The LAMC requires operators to file zoning bonds with DCP/OZA when submitting applications to establish drilling districts or sites. DCP/OZA staff were unfamiliar with the status and location of zoning bonds filed by oil and gas well operators because zoning bonds must be submitted with applications to establish drilling districts or sites, neither of which has occurred in recent years.

DCP/OZA staff stated that they inherited oversight of the zoning bonds and were generally unaware of their existence until a surety company contacted them in November 2016 and requested to cancel an operator's bond.

We also obtained information from the CAO Risk Management Division's Track4LA system related to oil and gas bonds. Track4LA showed only 70 records (some of which were blanket bonds or cash deposits covering multiple wells) related to oil well surety bonds or cash-in-lieu deposits, however, all of these records were created after 2005. According to CAO Risk Management staff, no records for oil and gas bonds transacted prior to 2005 were migrated into the Track4LA system, and they had no other information regarding the existence or completeness of such records.

Because City Departments have not effectively maintained and monitored surety bonds and many of the drilling sites were established decades ago, it is possible that older wells are no longer covered by active bonds due to insolvent surety companies. While the existing bond requirements appear to be inadequate and should be revisited, the City must also determine the status of its existing bond inventory, and determine how to bring operators into compliance. Rather than allocating resources to search for old, and perhaps expired or invalid, paper-based bond documents in the City Archives or Departmental files, the City should require operators to provide proof of active bond coverage on an annual basis.

Recommendations

City Policymakers should:

2.1 Amend the LAMC to require all operators of oil and gas drilling sites to maintain insurance coverage. Consult with the Risk Manager and Petroleum Administrator to determine appropriate types of insurance coverage and minimum coverage requirements.

2.2 Amend the LAMC to revise the surety bond amounts required from operators of oil & gas wells to reflect risk, including providing the Petroleum Administrator with discretionary authority to set bond amounts on a case-by-case basis and allow for periodic reassessments to account for changing conditions.

2.3 Revise City practices to require operators of all active and idle wells to submit proof of active and adequate bond coverage as well as liability insurance as part of the application process to obtain or renew an LAFD operational permit.

2.4 Direct LAFD to submit/upload all bond and insurance documents to the system maintained by the CAO's Risk Management Division.

The Petroleum Administrator should:

2.5 Work with the CAO Risk Management Division and DCP/OZA to periodically review the status of all oil and gas well surety bonds and insurance policies on file with the City. For operators and/or sites lacking the required and valid surety bond or insurance coverage, consult with the City Attorney to evaluate options for resolution.

2.6 Work with responsible City Departments to file claims on surety bonds or insurance policies when drilling site operators demonstrate a pattern of noncompliance with legal requirements and conditions of approval.

SECTION III: GENERATING CITY REVENUE FROM OIL AND GAS WELLS

The City can also exercise local control over oil and gas wells through imposition of taxes, fees, and other industry-specific revenue generation strategies. Given the historical nature of drilling activity in the City, successful extraction of oil/gas from older wells is likely more challenging and expensive than in the past. Policymakers should consider these factors when evaluating taxes and fees from oil/gas extraction activity and develop an equitable framework that generates revenue for the City without discouraging business activity.

Taxes Applicable to All Businesses in the City

Operators of oil and gas drilling sites are subject to several types of State and local government taxes like other businesses operating within the City. As shown in the table below, the City's business (i.e., gross receipts) tax and electricity user tax are the only tax revenue streams that are imposed and collected directly by the City. Other forms of tax revenue originating from oil and gas activities are collected by other entities, and the City receives an allocation or apportionment of that revenue.

Figure 13: Taxes Applicable to All Businesses in the City

Type	Rate	Tax base	Responsible entities
Property tax	City Treasury receives approximately 25% distribution from 1% property tax rate levied on properties in LA	Market value of an oil/gas mineral property interest determined by estimated value of proved reserves which are likely to be recoverable in the future	• LA County Assessor • LA County Auditor-Collector • LA County Treasurer and Tax Collector
Utility user taxes	Gas: 10% Electricity: 12.5% (industrial rate) Communications: 9%	Assessed upon monthly service charges	• LA Department of Water and Power • Southern California Gas Company • Communication service providers
Business tax	$1.01 per $1,000 of gross receipts	Each business transaction that occurs between entities (with separate business interests) is subject to taxes on the revenues generated from wholesale sales	• Office of Finance
Uniform local sales and use taxes	City Treasury receives 1% distribution from statewide sales/use tax rate of 7.25%	Sales - all retailers subject to sales tax in exchange for privilege of selling tangible goods at retail Use - buyers who engage in the use, storage, or other consumption of tangible personal property are subject to tax if retailer did not collect on behalf of State/City	• California State Board of Equalization

The amount of taxes collected from oil and gas operators cannot be readily determined; the City does not have a mechanism to actively track how much tax revenue it receives in the aggregate from operators of oil and gas wells. Revenues generated from these taxes are deposited into the City Treasury.

Industry-specific Fees, Taxes, and Royalties

The City can also impose industry-specific fees to recover local regulatory costs, taxes, or royalties to generate revenue. Various strategies to recover costs and generate revenue are outlined below.

Local Regulatory Fees

Although the City cannot levy taxes without voter approval, local governments in California are authorized to impose regulatory fees related to:

- issuing licenses and permits;
- performing investigations, inspections, and audits; and
- administrative enforcement and adjudication.

According to the California State Constitution, "the local government bears the burden of proving by a preponderance of the evidence that a levy, charge, or other exaction is not a tax, that the amount is no more than necessary to cover the reasonable costs of the governmental activity…"

The City Should Prioritize Cost Recovery as it Develops an Enhanced Local Oversight Framework

The City's primary tool for recovering regulatory costs associated with active and idle wells are through fees for LAFD operational permits and specific-action permits.[12] The costs for these permits range from $1,000 to $2,600. Local jurisdictions with large numbers of active and idle wells also charge operators regulatory fees to recover the costs of issuing permits and performing public safety inspections. Although the specific activities performed as part of the inspection may vary, we noted the fees charged by other local jurisdictions (such as LA County, Long Beach, and Culver City) are lower than those currently charged by the City.

The City does not currently have legal authority to recover costs associated with the enhanced local oversight framework envisioned by the recent City Council motion. As a result, costs to perform activities such as conditional use inspections and administrative reviews of permits issued by external regulatory entities would be borne by the City's taxpayers through an allocation of the City's discretionary funds, rather than operators of drilling sites. In contrast, the City of Carson recently revised its Municipal Code to allow full cost recovery for activities related to enhanced compliance monitoring and periodic reviews of oil and gas drilling sites.

Extraction (i.e., "barrel") Taxes

The LAMC previously included a tax specifically designed to generate revenue from operators of oil wells located in the City. On a quarterly basis, well operators were required to pay $21.29 for each well that produced 200 barrels of oil or less. Wells that produced more than 200 barrels of

[12] The City is also authorized to recover all direct and indirect costs associated with performing inspections to ensure compliance with statewide standards to each facility in its jurisdiction that treats or generates hazardous waste, operates underground storage tanks, or stores hazardous material.

oil were subject to the base fee ($21.29) plus $0.11 for each barrel of oil extracted during the reporting period. This section of the LAMC was repealed in 1996, and taxes on oil production were shifted to the business tax on wholesale sales described in Figure 13.

The City cannot unilaterally undo its repeal of the barrel tax or implement another tax on oil extraction; local governments in California must obtain voter approval to levy any new tax. In March 2011, a ballot measure proposed that the City would impose a tax of $1.44 per barrel of oil extracted within the City. The proposed tax rate was significantly higher than barrel taxes imposed by neighboring jurisdictions. The proposed ballot measure was narrowly rejected by voters 51.07% to 48.93%.

The City Should Consider Reintroducing a Barrel Tax for Voter Approval

Although the March 2011 ballot measure was narrowly rejected, increased awareness about the impacts of oil and gas extraction in a densely populated environment combined with high profile incidents such as Aliso Canyon may have shifted voter opinion.

Currently, barrel taxes in neighboring jurisdictions such as Long Beach, Santa Fe Springs, and Seal Beach range from $0.41 to $0.49 per barrel. Based on the Petroleum Administrator's estimate of current production levels (7,500 barrels per day), a barrel tax of $0.50 would generate approximately $1.4 million each year. City Policymakers should perform a formal cost-benefit analysis that considers factors such as:

- projected extraction volume based on historical records and the likelihood of future drilling activity;
- cost of placing the measure on the ballot;
- ongoing administrative costs associated with imposing and collecting the tax; and
- an appropriate tax rate.

If the City decides to move forward with a ballot initiative, City Policymakers should determine whether revenue generated from these taxes should be deposited in the City's general fund or restricted to a specific purpose.

Revenues from Oil and Gas extracted from Subsurface City-owned Property and Mineral Rights

The City owns a large real estate portfolio (almost 9,000 distinct parcels) that includes parks, libraries, municipal facilities, buildings, and vacant land. The value of the City's properties is not limited to structures that can be built upon them; recoverable deposits of oil and gas may be found in subsurface locations beneath these parcels. The City's ability to generate revenue by using its real estate assets for oil and gas extraction activity depends on the extent to which it owns the mineral rights associated with subsurface parcels of land.[13]

[13] There are various degrees of land ownership in the United States. In a "fee simple" arrangement, the property owner has sole ownership of the surface of the land and sole ownership of any minerals located beneath the surface of the land (i.e., mineral rights or mineral interests). Property owners can also separate (or sever) ownership of the parcel into two distinct components, a surface estate and a mineral estate. Like other property rights, either of these components can be bought, sold, leased, and transferred in accordance with federal and state law.

The scenarios below describe two common business arrangements that can be used to generate revenue from oil and gas extraction activity.

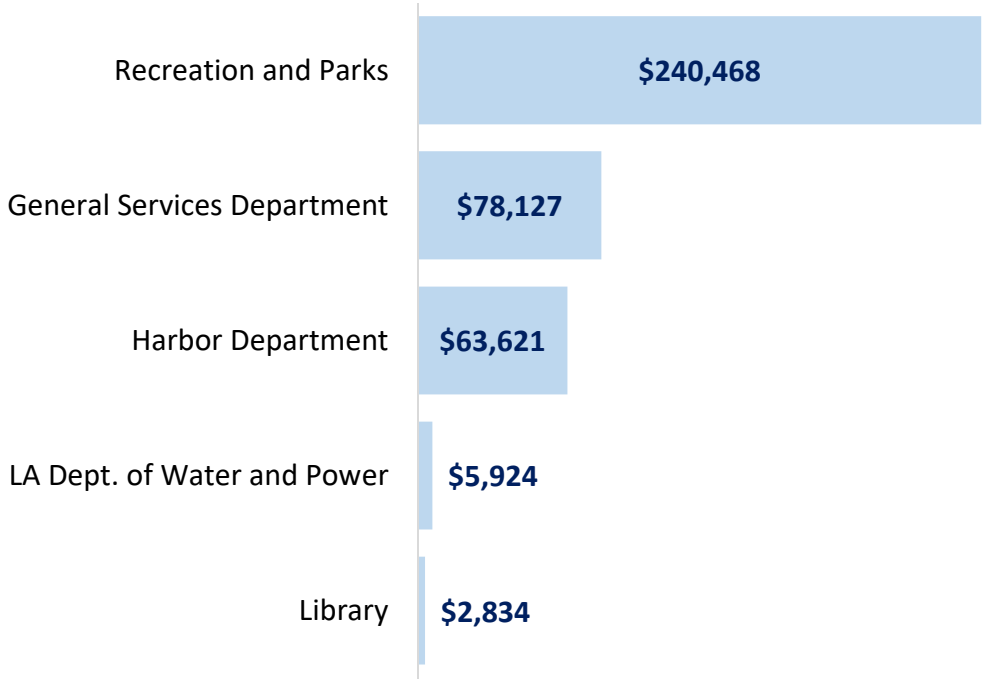
- Scenario 1 – Subsurface deposits of oil and gas often cross property boundaries, including those owned by the City. To facilitate orderly/efficient extraction, the City may enter into pooling or unitization agreements where the City's mineral interests are joined with the mineral interests of other property owners. Together, the owners of the mineral rights delegate their right to drill and extract oil and gas to one or more well operators. In this scenario, the City and other mineral rights owners are paid royalties based on how much oil or gas is removed from subsurface areas, allocated to parcels they own.

- Scenario 2 – The City may enter into lease agreements with private well operators to allow for the construction of a drilling site on City-owned property, which extracts oil and gas from subsurface parcel(s). In exchange for allowing the lessee to operate the drilling site, the City is paid royalties based on how much oil or gas is extracted from subsurface parcels whose mineral rights are owned by the City.[14]

In both of these scenarios, the City's ability to collect the revenue it is owed requires complete information about its mineral interests and related lease and/or unitization agreements. According to information provided by Council-controlled and Proprietary Departments, the City received approximately $390,000 royalty revenue through these methods during FY2017.

[14] Adjacent property owners with mineral rights may also receive royalty payments from the well operator through a pooling or unitization agreement.

Figure 14: City Oil and Gas Royalties (FY2017)



The City Needs to Improve Oversight of Oil and Gas Extracted from City-owned Property to Ensure it Receives the Revenue it is Due

Like any other property owner, the City needs to ensure that its business partners make accurate payments in a timely manner. The LAAC outlines a centralized role for the Board of Public Works/Petroleum Administrator to oversee oil/gas extraction from City-owned property; however, the historical nature of drilling activity in the City combined with a decentralized approach created information gaps that prevented effective oversight.

The City does not currently know the locations of all subsurface parcels where it owns mineral rights. This prevents the ability to identify pooling or unit agreements that include the properties that should generate royalty revenue for the City based on the amount of oil or gas that is/was extracted. According to the Petroleum Administrator, there may be opportunities to recover revenues from former well operators who may not have paid royalties to the City for decades. However, any potential recovery of these funds is not possible without extensive title research of land records, to identify subsurface locations of oil deposits along with parcels owned by the City. Once identified, these parcel numbers can be compared to existing pooling and unit agreements, as well as historical extraction data, which is maintained by DOGGR.

During our review, staff from some of the City Departments listed in Figure 14 acknowledged that they did not have effective processes in place to ensure the City was receiving all of the revenue it was owed. For example:

- RAP staff could not verify the accuracy of all of the royalty payments it received;

- GSD and LADWP staff stated that they received royalty payments, but were unsuccessful in efforts to obtain information from well operators about the sources of those payments; and
- Harbor staff were aware that property under their control was part of a unitization agreement, however, they did not have a copy of the agreement or a process to verify if the royalty payments were accurate.

These examples demonstrate that City Departments are not exercising sufficient control to ensure the City receive the appropriate revenue for a defined use of the City's property assets.

The City Needs to Verify that Former Lease Operators Have Restored Public Property to its Original Condition

Lessees who construct and operate drilling sites on City-owned property are required to plug and abandon the wells in accordance with DOGGR requirements and restore the site back to its natural condition. Given the lack of effective oversight, the historical nature of the leases, and the long-term absence of a full-time Petroleum Administrator to provide technical assistance and coordinate activities, it is especially imperative for the City to ensure its former lessees have fulfilled their obligations.

One of the leases we reviewed included provisions to protect the City from financial risks associated with deserted wells on public property. RAP's lease with an operator at Rancho Park included provisions intended to protect the City if the operator deserted the well(s) or entered into bankruptcy. The lease extension was signed in 1994 and required the operator to make annual cash payments of $50,000 until the City received $500,000 to be held in a Trust Fund. RAP is authorized to periodically review the Fund balance and increase the requirement based on the estimated cost of well abandonment and site restoration. Upon the operator's fulfillment of all restoration requirements, the funds would be returned to the lessee.

Given the lack of reliable information about oil and gas leases, the City cannot make informed decisions about whether it should continue to lease public property for oil and gas exploration. Policymakers must weigh the costs of effectively administering the leases and the inherent environmental and public safety risks, against the amount of revenue that is generated. If the City continues to award and administer leases, it needs to improve oversight.

Recommendations

City Policymakers should:

3.1 Amend the LAMC to allow the City to recover costs associated with enhanced oversight activities including: (1) issuing licenses and permits; (2) performing investigations, inspections, and audits; and (3) administrative enforcement and adjudication of oil and gas wells.

3.2 Perform a cost-benefit analysis to explore the feasibility of reintroducing a barrel tax for voter approval. At minimum, the cost-benefit analysis should consider: (1) projected extraction volume based on historical records and the likelihood of

future drilling activity in the City; (2) cost of placing the measure on the ballot; (3) ongoing administrative costs associated with imposing and collecting the tax; and an appropriate per-barrel tax rate.

3.3 Direct all Departments to verify any oil or gas exploration on or under the real property they control. Once an inventory has been developed, determine whether to renew and renegotiate any expired lease agreements.

3.4 Formally transfer the responsibility for oversight of oil and gas extracted from City-owned properties to the Petroleum Administrator.

3.5 For future lease agreements, consider adding terms that would require payments into a restoration/abandonment fund, modeled after the Rancho Park lease.

The Petroleum Administrator should:

3.6 Perform title research to identify subsurface parcels whose mineral rights are owned by the City. For those related to oil fields with extraction activity, determine whether the City received appropriate royalty payments. For well operators who did not pay the City royalties it was owed, consult with the City Attorney to explore legal options.

3.7 Collaborate with LAFD and DOGGR to determine whether former lessees fulfilled their obligations to plug and abandon wells in accordance with State law, and restore the site to its natural condition.

3.8 For lessees who did not fulfill their obligations to plug and abandon wells in accordance with DOGGR requirements, consult with the City Attorney to explore legal options, and propose any remedial actions that should be taken by the City.

3.9 Develop and implement an improved reporting process to provide assurance of compliance with extraction agreements with well operators, including periodic reviews of royalty payments.

SECTION IV: INCREASING TRANSPARENCY AND INFORMATION SHARING

A comprehensive and reliable source of information related to oil and gas drilling sites is essential for City officials to make data-driven policy and operational decisions in a timely manner. We identified opportunities where the City could improve its management of information to facilitate the development of an efficient and effective centralized oversight framework.

The City's Management of Information Related to Oil and Gas Drilling Sites Requires Significant Improvement

The LAAC tasks the Petroleum Administrator with coordinating "all matters respecting or concerning the exploration for or production of petroleum within this City." To effectively perform this task, the Petroleum Administrator needs easy access to reliable information about the drilling site and the activities of City Departments and external agencies tasked with overseeing the site.

City Departments are responsible for a wide range of activities related to oil and gas drilling sites. Because the City did not have a full-time Petroleum Administrator in place for decades, these activities have been performed independently rather than as part of a centralized oversight framework. This fragmented approach resulted in the development of information silos within individual City Departments.

External entities such as DOGGR and SCAQMD are responsible for regulating oil and gas drilling sites through an oversight framework that includes permitting, inspections, and ongoing monitoring to enforce compliance with federal and State regulatory requirements. Access to information about these activities allows the City and Petroleum Administrator to identify public health and environmental risks as they emerge and before they balloon into larger problems.

During our review, we identified several examples that indicate the City needs to improve its approach to managing information related to oil and gas drilling sites.

Inventory of Well Locations and Production Data

Some of the third-party data relied upon by the City may not adequately meet its operational needs. Although DOGGR maintains an online database with an inventory of all known active, idle, abandoned, and buried wells, the reliability of the data has not been verified by the City. DOGGR's database includes information such as unique identification numbers for each well in accordance with standards established by the American Petroleum Institute (i.e., API number), well status, well operator information, oil/gas field names, county names, and GPS coordinates; but the database does not include the ***city*** in which the well is located. Because oil/gas fields can cross city/county jurisdictions, the ability to isolate wells located in the City of Los Angeles requires a custom extract generated by DOGGR. Multiple City officials expressed concerns about the accuracy of the well locations on DOGGR's maps and cautioned about the potential impact of inaccurate data and previously unknown well sites interfering with new construction projects initiated by developers.

Because LAFD is tasked with conducting inspections and issuing permits to ensure compliance with the City's Fire Code, it maintains its own inventory of oil and gas wells separate from the DOGGR inventory. The list maintained by LAFD includes more than 3,500 wells. Although LAFD categorizes wells differently than DOGGR, there are significant discrepancies in the number of

total wells and the number of inactive wells (i.e., plugged/abandoned or buried) compared to the data provided by DOGGR, as noted below.[15]

Figure 15: LAFD and DOGGR Well Inventory

Source of Inventory	Wells Identified	Active and Idle Wells	Inactive Wells (Plugged & Abandoned or Buried)
LAFD (Sept. 2017)	3,558	1,139	2,419
DOGGR (April 2018)	5,130	1,067	4,063
Difference	***1,572***	***72***	***1,644***

These discrepancies indicate that there are approximately 1,600 buried, or plugged and abandoned wells that LAFD may not be aware of. Buried or improperly plugged wells may leak methane. The LAMC does not require LAFD to inspect wells once they have been appropriately plugged and abandoned; however, LAFD and DBS have a role in implementing the City's methane mitigation requirements. The City's ability to verify the accuracy of its well inventory has been limited; until 2017 the LAFD list included 4-digit numbers assigned to each well, but did not include API numbers used in the DOGGR list. LAFD staff has begun the process of reconciling the well inventory data.

In addition to challenges regarding well inventory and locations, the City does not actively track how much oil or gas is extracted from wells located within the City. Operators are required to submit monthly production reports to DOGGR that are uploaded to their online system; however, the City does not currently have a process or method to pull that data and track it in the aggregate. The Petroleum Administrator estimated that 7,500 barrels of oil are extracted on a daily basis in the City, though the amount likely fluctuates. The City's ability to make informed policy and operational decisions about oil and gas extraction is limited if it cannot monitor the volume of activity on an ongoing basis.

Conditions of Approval for Oil and Gas Drilling Sites

The City does not have an electronic database of operating requirements for all oil and gas drilling sites. According to DCP/OZA personnel, letters outlining conditions of approval may be available through various DCP systems (Planning Case Tracking Management System and/or Zoning Information and Map Access System). However, the availability of documents depends on the date the site was established or last modified; hard copy documents associated with older drilling sites are stored in the City Archives. A large number of drilling sites are likely to fall into this category, given the historic nature of oil and gas activity in the City.

In an April 2016 report prepared by the Chief Legislative Analyst and City Administrative Officer, DCP/OZA outlined the need to catalog and digitize existing conditions of approval; but this has

[15] According to LAFD staff, their inventory of 'active' wells includes idle wells, since both active and idle wells require annual Fire Code inspections. The DOGGR data in Figure 15 was reorganized to match LAFD's criteria.

not yet occurred. Lacking a comprehensive electronic repository inhibits DCP/OZA's ability to effectively work with the Petroleum Administrator and proactively identify drilling sites with potential for new or modified conditions. In addition, DBS cannot effectively carry out its responsibility to enforce DCP/OZA's land use decisions without reliable access to the conditions of approval for each drilling site.

External Regulatory Entities

The LAMC does not require operators or external regulatory agencies to notify the Petroleum Administrator when permits are issued, operators are cited for violations, or complaints are received. Currently, the Petroleum Administrator must engage DOGGR and other external agencies on a case-by-case basis. The Petroleum Administrator recently reached an agreement with SCAQMD to receive email notifications when operators are cited for violations pertaining to air pollution.

The examples below demonstrate the importance of timely access to information maintained by external regulatory entities.

- The City recently alleged that an operator performed at least 42 different re-drilling and maintenance activities with DOGGR's permission over a 16-year period without submitting an application to DCP/OZA in accordance with LAMC requirements. If the City had been notified, it could have considered implementing new conditions to ensure the activities were performed in a manner that were not a nuisance to the surrounding community.
- From 2010 to 2013, SCAQMD received approximately 260 complaints about poor air quality and effects such as headaches and nosebleeds from residents living near a drilling site. DBS officials tasked with enforcing conditions at the site were not aware of those complaints submitted or investigated by SCAQMD.

Although these examples may be outliers and the result of not having a full-time Petroleum Administrator in place to facilitate coordination, they highlight information gaps that need to be addressed by the City.

A Way Forward

The success of the Petroleum Administrator's efforts to coordinate the activities of City Departments and monitor the actions of external regulatory agencies depends on the ability to access reliable information about oil and gas drilling sites in a timely manner. Moving forward, the City needs to compile the necessary information and then connect it in a manner to facilitate effective decision making.

As the City builds a centralized and reliable repository of information, it should also prioritize development of a public-facing website to increase transparency and facilitate public engagement on issues related to oil and gas drilling sites. At minimum, the website should include information about well locations, permits, extraction amounts, conditions of approval, regulatory violations, and a complaint-intake mechanism. This should be supplemented by improved public outreach through City Council offices, Neighborhood Councils, and community-

based organizations to engage residents, especially those who may be less technologically-inclined. Ultimately, the City's goal should be to educate and empower residents to provide input on matters that affect their safety, health, and quality of life.

Recommendations

The Petroleum Administrator should:

4.1 Collaborate with responsible City Departments to develop short- and medium-term plans to identify and compile relevant records that are currently located in the City Archives or maintained by City Departments.

4.2 Consult the City Attorney to establish formal information sharing agreements with external regulatory entities.

4.3 Collaborate with responsible City Departments to determine whether existing technology platforms can be used to develop a centralized database of oil and gas drilling sites and relevant information. If not, the Petroleum Administrator should identify reasonable, cost-effective alternatives.

4.4 Develop a public-facing website to increase transparency and facilitate public engagement on issues related to oil and gas drilling sites.

City Policymakers should:

4.5 Consider revising the LAMC to require operators of drilling sites to notify the Petroleum Administrator of communications submitted to and received from external regulatory agencies. City officials should consult with the Petroleum Administrator to identify sources and types of information to be reported. At minimum, the notification requirement should include a timeframe within which the information must be provided.

4.6 Consider revising the LAMC to require oil and gas operators to notify the Petroleum Administrator when complaints are received. At minimum, the notification requirement should include a timeframe within which complaints should be forwarded to the Petroleum Administrator.

SCOPE & METHODOLOGY

The objective of our review was to identify areas of opportunity where the City can improve its oversight of oil and gas drilling sites as it moves toward developing a modern and centralized framework.

We planned and performed the review to obtain sufficient, appropriate evidence to provide a reasonable basis for our observations and conclusions based on our objectives. Fieldwork was primarily conducted from September 2017 through January 2018.

In accordance with auditing standards and best practices, we conducted interviews and walkthroughs of processes, reviewed documents and performed benchmarking, as noted below:

Interviews and Walk-Throughs

We conducted multiple interviews with the Petroleum Administrator and representatives from other City Departments to assess current roles and responsibilities and to document the quality and extent of interdepartmental and interagency collaboration, and to gain perspective on areas of potential improvement in developing a centralized oversight framework.

Data Analysis and Documents Reviewed

Where available, we gathered and reviewed documentation on the activities of City Departments tasked with responsibilities related to oil and gas drilling sites. We reviewed the legal frameworks of State and local laws to determine the extent of the City's authority and evaluate whether it was effectively exercising that authority.

Benchmarking

We researched policies and processes in other municipalities to identify model practices the City should consider as it seeks to improve oversight of oil and gas drilling sites.

SUMMARY OF RECOMMENDATIONS

Recommendation		Pg #	Responsibility Entity	Priority
I.	**IMPROVING QUALITY OF LIFE AND PUBLIC SAFETY**			
1.1	Collaborate with DCP/OZA, the City Attorney, LAFD, and DBS to identify high-risk drilling sites and initiate targeted reviews to determine whether operators are in compliance with existing conditions of approval.	16	Petroleum Administrator	A
1.2	Engage residents and businesses near high-risk drilling sites to document evidence of nuisance operations.	16	Petroleum Administrator	A
1.3	Collaborate with DCP/OZA to implement modified conditions or corrective actions for those high-risk sites determined not to be in compliance with existing conditions of approval or responsible for nuisance operations. Prioritize modernization of drilling sites by requiring operators to install continuous air monitoring devices and other emerging technologies.	16	Petroleum Administrator	A
1.4	Prioritize annual Fire Code inspections using additional risk-based criteria such as: (1) proximity to residential and other non-industrial sites; (2) age and number of wells; and (3) number and severity of previous Fire Code inspections cited by LAFD.	16	Los Angeles Fire Department	A
1.5	Amend the LAMC to allow the City to undertake periodic reviews of conditions of approval at all drilling sites to consider public health risks and surrounding land use. Collaborate with the Petroleum Administrator to determine an appropriate interval for these reviews.	17	Policymakers	B

1.6	Consider developing an enhanced oversight program to proactively monitor and enforce compliance with conditions of approval at oil and gas drilling sites based on experience and data collected from the targeted reviews. In addition, determine whether annual inspections performed by City Departments such as LAFD and DBS should be incorporated into the proactive monitoring and enforcement program.	17	Policymakers	B
II.	**PROTECTING CITY TAXPAYERS' FINANCIAL INTERESTS**			
2.1	Amend the LAMC to require all operators of oil and gas drilling sites to maintain insurance coverage. Consult with the Risk Manager and Petroleum Administrator to determine appropriate types of insurance coverage and minimum coverage requirements.	24	Policymakers	A
2.2	Amend the LAMC to revise the surety bond amounts required from operators of oil & gas wells to reflect risk, including providing the Petroleum Administrator with discretionary authority to set bond amounts on a case-by-case basis, and allow for periodic reassessments to account for changing conditions.	24	Policymakers	A
2.3	Revise City practices to require operators of all active and idle wells to submit proof of active and adequate bond coverage as well as liability insurance as part of the application process to obtain or renew an LAFD operational permit.	24	Policymakers	A
2.4	Direct LAFD to submit/upload all bond and insurance documents to the system maintained by the CAO's Risk Management Division.	24	Policymakers	A
2.5	Work with the CAO Risk Management Division and DCP/OZA to periodically review the status of all oil and gas well surety bonds and insurance policies on file with the City. For operators and/or sites lacking the required and valid surety bond, consult with the City Attorney to evaluate options for resolution.	24	Petroleum Administrator	B

2.6	Work with responsible City Departments to file claims on surety bonds or insurance policies when drilling site operators demonstrate a pattern of noncompliance with legal requirements and conditions of approval.	25	Petroleum Administrator	B
III.	**GENERATING CITY REVENUE FROM OIL AND GAS WELLS**			
3.1	Amend the LAMC to allow the City to recover costs associated with enhanced oversight activities including: (1) issuing licenses and permits; (2) performing investigations, inspections, and audits; and (3) administrative enforcement and adjudication of oil and gas wells.	31	Policymakers	A
3.2	Perform a cost-benefit analysis to explore the feasibility of reintroducing a barrel tax for voter approval. At minimum, the cost-benefit analysis should consider: (1) projected extraction volume based on historical records and likelihood of future drilling activity in the City; (2) cost of placing the measure on the ballot; (3) ongoing administrative costs associated with imposing and collecting the tax; and (4) the appropriate per-barrel tax rate.	31	Policymakers	B
3.3	Direct all Departments to verify any oil or gas exploration on or under the real property they control. Once an inventory has been developed, determine whether to renew or renegotiate any expired lease agreements	32	Policymakers	A
3.4	Formally transfer the responsibility for oversight of oil and gas extracted from City-owned properties to the Petroleum Administrator.	32	Policymakers	B
3.5	For future lease agreements, consider adding terms that would require payments into a restoration/abandonment fund, modeled after the Rancho Park lease.	32	Policymakers	B
3.6	Perform title research to identify subsurface parcels whose mineral rights are owned by the City. For those related to oil fields with extraction activity, determine whether the City received appropriate royalty payments. For	32	Petroleum Administrator	A

	well operators who did not pay the City royalties it was owed, consult with the City Attorney to explore legal options.			
3.7	Collaborate with LAFD and DOGGR to determine whether former lessees fulfilled their obligations to plug and abandon wells on City-owned property in accordance with State law, and restore the site to its natural condition.	32	Petroleum Administrator	A
3.8	For lessees who did not fulfill their obligations to plug and abandon wells in accordance with DOGGR requirements, consult with the City Attorney to explore legal options, and propose any remedial actions that should be taken by the City.	32	Petroleum Administrator	A
3.9	Develop and implement an improved reporting process to provide assurance of compliance with extraction agreements with well operators, including periodic reviews of royalty payments.	32	Petroleum Administrator	B
IV.	**INCREASING TRANSPARENCY AND INFORMATION SHARING**			
4.1	Collaborate with responsible City Departments to develop short- and medium-term plans to identify and compile relevant records that are currently located in the City Archives or maintained by City Departments.	36	Petroleum Administrator	A
4.2	Consult the City Attorney to establish formal information sharing agreements with external regulatory entities.	36	Petroleum Administrator	A
4.3	Collaborate with responsible City Departments to determine whether existing technology platforms can be used to develop a centralized database of oil and gas drilling sites and relevant information. If not, the Petroleum Administrator should identify reasonable, cost-effective alternatives.	36	Petroleum Administrator	A
4.4	Develop a public-facing website to increase transparency and facilitate public engagement on issues related to oil and gas drilling sites.	36	Petroleum Administrator	B
4.5	Consider revising the LAMC to require operators of drilling sites to notify the	36	Policymakers	B

	Petroleum Administrator of communications submitted to and received from external regulatory agencies. City officials should consult with the Petroleum Administrator to identify sources and types of information to be reported. At minimum, the notification requirement should include a timeframe within which the information must be provided.			
4.6	Consider revising the LAMC to require oil and gas operators to notify the Petroleum Administrator when complaints are received. At minimum, the notification requirement should include a timeframe within which complaints should be forwarded to the Petroleum Administrator.	36	Policymakers	B

A –High Priority *- The recommendation pertains to a serious or materially significant audit finding or control weakness. Due to the seriousness or significance of the matter, immediate management attention and appropriate corrective action is warranted.*

B –Medium Priority *- The recommendation pertains to a moderately significant or potentially serious audit finding or control weakness. Reasonably prompt corrective action should be taken by management to address the matter. Recommendation should be implemented no later than six months.*

C –Lower Priority *- The recommendation pertains to an audit finding or control weakness of relatively minor significance or concern. The timing of any corrective action is left to management's discretion.*

N/A *- Not Applicable*

2021-22 SESSION

SENATE
THIRD READING PACKET

WEDNESDAY, MAY 26, 2021

JONAS AUSTIN
Director

OFFICE OF SENATE FLOOR ANALYSES
651-1520

SENATE THIRD READING PACKET

Attached are analyses of bills on the Daily File for Wednesday, May 26, 2021.

Note	Measure	Author	Location
+	SB 2	Bradford	Senate Bills - Third Reading File
+	SB 4	Gonzalez	Senate Bills - Third Reading File
RA	SB 9	Atkins	Senate Bills - Third Reading File
	SB 10	Wiener	Senate Bills - Third Reading File
	SB 12	McGuire	Senate Bills - Third Reading File
+	SB 14	Portantino	Senate Bills - Third Reading File
+	SB 15	Portantino	Senate Bills - Third Reading File
+	SB 16	Skinner	Senate Bills - Third Reading File
+	SB 17	Pan	Senate Bills - Third Reading File
+	SB 18	Skinner	Senate Bills - Third Reading File
	SB 19	Glazer	Special Consent Calendar No.3
	SB 20	Dodd	Senate Bills - Third Reading File
+	SB 22	Glazer	Senate Bills - Third Reading File
	SB 23	Rubio	Special Consent Calendar No.3
+	SB 26	Skinner	Senate Bills - Third Reading File
+	SB 27	Skinner	Senate Bills - Third Reading File
+	SB 34	Umberg	Senate Bills - Third Reading File
	SB 37	Cortese	Special Consent Calendar No.3
+	SB 38	Wieckowski	Senate Bills - Third Reading File
	SB 39	Grove	Senate Bills - Third Reading File
+	SB 40	Hurtado	Senate Bills - Third Reading File
	SB 41	Umberg	Senate Bills - Third Reading File
RA	SB 42	Wieckowski	Special Consent Calendar No.3
	SB 44	Allen	Senate Bills - Third Reading File
	SB 45	Portantino	Senate Bills - Third Reading File
	SB 47	Limón	Senate Bills - Third Reading File
	SB 48	Limón	Senate Bills - Third Reading File
RA	SB 49	Umberg	Special Consent Calendar No.3
+	SB 50	Limón	Senate Bills - Third Reading File
+	SB 53	Leyva	Senate Bills - Third Reading File
+	SB 56	Durazo	Senate Bills - Third Reading File
+	SB 61	Hurtado	Senate Bills - Third Reading File
	SB 63	Stern	Senate Bills - Third Reading File
+	SB 64	Leyva	Senate Bills - Third Reading File
	SB 66	Allen	Special Consent Calendar No.3
+	SB 68	Becker	Senate Bills - Third Reading File
	SB 69	McGuire	Special Consent Calendar No.3
+	SB 70	Rubio	Senate Bills - Third Reading File
	SB 72	Rubio	Special Consent Calendar No.3
	SB 76	Nielsen	Special Consent Calendar No.3
	SB 80	McGuire	Special Consent Calendar No.3
RA	SB 81	Skinner	Senate Bills - Third Reading File
+	SB 83	Allen	Senate Bills - Third Reading File
	SB 97	Roth	Special Consent Calendar No.3
+	SB 98	McGuire	Senate Bills - Third Reading File
	SB 107	Wiener	Senate Bills - Third Reading File

\+ ADDS
RA Revised Analysis
* Analysis pending

Office of Senate Floor Analyses
(916) 651-1520 Fax: (916) 327-4478

THIRD READING

Bill No: SB 47
Author: Limón (D)
Amended: 3/15/21
Vote: 21

SENATE NATURAL RES. & WATER COMMITTEE: 6-2, 4/13/21
AYES: Laird, Allen, Eggman, Hertzberg, Limón, Stern
NOES: Jones, Grove
NO VOTE RECORDED: Hueso

SENATE APPROPRIATIONS COMMITTEE: 5-2, 5/20/21
AYES: Portantino, Bradford, Kamlager, Laird, Wieckowski
NOES: Bates, Jones

SUBJECT: Oil and gas: hazardous and idle-deserted wells and production facilities: expenditure limitations

SOURCE: Author

DIGEST: This bill increases the annual expenditure limit from the Oil, Gas and Geothermal Administration Fund, the principal source of funding for the Geologic Energy Management Division from a production fee assessed on oil and gas production in the state, for the plugging and abandonment of hazardous or idle-deserted wells to $10 million, and provides that any of those funds not used annually for that purpose be retained, as specified.

ANALYSIS:

Existing law:

1) Establishes the Geologic Energy Management Division (CalGEM) in the Department of Conservation. CalGEM regulates oil and gas production in the state, and CalGEM's leader is the State Oil and Gas Supervisor (supervisor).

2) Provides that the purposes of the state's oil and gas conservation laws include protecting public health and safety and environmental quality, including the reduction and mitigation of greenhouse gas emissions associated with the development of hydrocarbon and geothermal resources in a manner that meets the energy needs of the state.

   a) The supervisor shall coordinate with other state agencies and others to further the goals of the California Global Warming Solutions Act of 2006 and to help support the state's clean energy goals. (Public Resources Code (PRC) §3011)

3) Directs the supervisor to so supervise the drilling, operation, maintenance, and abandonment of wells and the operation, maintenance, and removal or abandonment of tanks and facilities attendant to oil and gas production, as specified, so as to prevent, as far as possible, damage to life, health, property, and natural resources, as provided. (PRC §3106)

4) Classifies oil and gas wells based upon their use.

   a) An idle well is a well that is not in use, and has not been in use for at least 24 consecutive months, as specified. (PRC §3008)

   b) An idle well that has no operator or other responsible party to pay for its costs becomes an "idle-deserted" or "orphan" well, which is then the responsibility of the state to plug and abandon. (PRC §3251, §3206.3)

   c) Long-term idle wells are those wells that have been idle for at least eight years. (PRC §3008)

5) Holds the current operator, or the previous operator, as provided, of an orphan well that produced oil, gas, or other hydrocarbons or was used for injection, responsible for the proper plugging and abandonment of the well or the decommissioning of idle-deserted production facilities. (PRC §3237)

6) Authorizes the supervisor to order the plugging and abandonment, or decommissioning of a hazardous or idle-deserted well or facility, as specified. (PRC §3251, §3255)

7) Requires an operator to either file with the supervisor certain annual idle well fees per well that increase the longer the well has been idle, or file an idle well management plan with the supervisor that eliminates between 4% - 6% of the long-term idle wells each year. Failure to pay idle well fees or file a plan is sufficient evidence for the well to be considered legally deserted.

8) Prohibits CalGEM from expending no more than $3 million in any one fiscal year from FY 2018 - 2019 to FY 2021-2022, inclusive, for plugging and abandoning and decommissioning hazardous and idle-deserted wells, and hazardous or deserted facilities from the Oil, Gas and Geothermal Administration Fund (OGGAF).

   a) OGGAF is funded by fees paid by oil and gas well operators based upon the amount of oil and/or natural gas they produce annually, and is the principal source of funding for CalGEM.

   b) As of FY 2022-2023, the $3 million is reduced to $1 million. (PRC §3258).

9) Establishes the Oil and Gas Environmental Remediation (OGER) Account in the OGGAF to be administered and managed by CalGEM, and requires that the moneys in the OGER Account be used, upon appropriation by the Legislature, to plug and abandon oil and gas wells, decommission attendant facilities, or otherwise remediate sites that the supervisor determines could pose a danger to life, health, water quality, wildlife, or natural resources if there is no operator determined by the supervisor to be responsible for the remediation or who is able to respond. (PRC §§3260 *et seq*.)

This bill increases the annual expenditure limit from OGGAF for the plugging and abandonment of hazardous or idle-deserted wells to $10 million, and provides that any of those funds not used annually for that purpose be retained, as specified. In particular, this bill:

1) Increases the amount that CalGEM can spend to plug and abandon hazardous or idle-deserted wells and decommission hazardous or deserted facilities from OGGAF to $10 million annually starting with FY 2022-2023.

2) Provides, also commencing with FY 2022 – 2023, that in any fiscal year that CalGEM expends less than the $10 million to plug and abandon hazardous or idle-deserted wells and decommission hazardous or deserted facilities, the State Controller shall transfer from OGGAF to the OGER Account an amount equal to the difference of $10 million and what was spent for that fiscal year unless the OGER Account balance exceeds $100 million.

Background

According to data obtained from CalGEM's website, there are approximately 125,000 active and idle oil and gas wells in the state (2021 data) and related production facilities located in over 180 oil and gas fields. Of these wells, about 78,000 are active, and 47,500 are idle. Curiously, CalGEM has recently

reclassified numerous legacy wells previously identified as “buried” to “idle” without making much use of the (relatively new) “unknown” category.

Active wells are those currently in use that either produce or inject fluids related to hydrocarbon production. Wells are often expensive to drill and to seal (“plug and abandon”). Therefore, operators may prefer to keep wells idle – sometimes for extended periods of time. Idle wells are more likely to become orphan wells. Orphan wells are deserted wells that the state has to address because no responsible operator has been found to do so. Orphan wells are likely to not be maintained consistently, and emissions from wells that fail or are failing may be hazardous to the surrounding environment, and public health and safety.

CalGEM has multiple methods – once a well and/or related production facility has been identified as orphan, deserted and/or hazardous – to fund plugging and abandonment and/or decommissioning. These include any existing and available indemnity bond or other financial surety provided by an operator covering that well or facility, seeking funds from a previous operator, as applicable, and using certain moneys available from three separate accounts – OGGAF, certain idle well fees deposited in the Hazardous and Idle-Deserted Well Abatement Fund (HIDWAF), and from the OGER account.

In addition, in the May revise, the Newsom Administration proposed spending $200 million from the General Fund to plug and abandon orphan wells as part of its Climate Resilience Budget Change Proposal. This proposal is pending before the Legislature. Spending General Fund monies on the plugging and abandonment of onshore wells appears to be a considerable change from established practice.

At CalGEM’s request, the California Council on Science and Technology (CCST) investigated the status of the state’s oil and gas wells in order to estimate the potential cost to the state should these wells become orphaned. The CCST report was released in January 2020. The CCST report suggested that there were about 5,540 wells that were either likely to be orphaned or at high risk of becoming orphaned soon. The potential liability to the state was estimated to be roughly $500 million net for these two categories alone, and could be much higher if additional wells became orphaned.

In March 2021, CalGEM released the second annual idle well report for the 2019 calendar year. The number of long-term idle wells remained relatively stable from 2018 to 2019 (17,576 to 17,560) as existing idle wells aged into long-term idle status and 543 long-term idle wells were either returned to operation or plugged and abandoned. The total number of idle wells increased to 37,095 from 29,292, although CalGEM states that part of that increase may be from the transition to a

new database that may have delayed production reporting by some operators. During 2019 it appears that CalGEM identified 25 wells as orphan. CalGEM further identified 3,265 wells as potentially deserted due to failure to pay idle well fees by over 940 operators. CalGEM paid about $7.2 million on 14 contracts for the plugging and abandonment of 54 wells in FY 2017 – 2019.

As of June 30, 2020, the HIDWAF account had a balance of over $13 million. The Department of Finance subsequently made a temporary loan of $10 million from that account to the General Fund as steps were taken to address the pandemic.

Comments

The backlog of potentially deserted wells. Recent reforms at CalGEM have resulted in operators plugging and abandoning more wells and long-term idle wells. The reforms have also helped to identify what appear to be a few thousand potentially deserted wells that appear to have persisted from 2018 through 2019. An order-of-magnitude calculation (3,000 wells x the average Inland District 2019 well abandonment cost of about $87,000) suggests that the potential liability to address these wells could be easily over $100 million if all eventually become orphan. CalGEM's projections of plugging and abandoning up to 100 orphan wells annually with $3 million from OGGAF may well be optimistic unless all the orphan wells are shallow and are easy to plug and abandon. An increase in the annual amount available from OGGAF to fund plugging and abandonment of orphan wells and decommissioning attendant facilities would help to ensure that the state's taxpayers would not have to pay instead, depending upon the outcome of the May revise proposal to use General Fund monies for onshore wells. In addition, rolling over unspent funds to the OGER Account could help ensure that moneys are available in the event of very expensive plugging and abandonment operations – two recent wells in Los Angeles cost $1 million each.

The persistence of the backlog. In the 2019 idle well report, CalGEM reported the wells from 10 operators became orphan. While the time and effort for CalGEM to determine if there is a solvent operator or previous operator for a well or wells will vary, it seems reasonable to project that it will take an extended period of time for CalGEM to work through the 900+ operators that recent reform efforts have suggested may be defunct. The failure of a contract issued by CalGEM recently to plug and abandon orphan wells helps to explain why CalGEM spent somewhat less than authorized to plug and abandon wells from OGGAF a few years ago. The time required to determine whether a well is orphan suggests that this step is the limiting factor in how much plugging and abandonment the state can perform. The ability of CalGEM – even when using contractors to perform title searches or to

track down corporate ownership – to declare a well orphan in a consistent and defensible way is unclear.

FISCAL EFFECT: Appropriation: No Fiscal Com.: Yes Local: No

According to the Senate Appropriations Committee:

- Ongoing costs of $9 million annually (OGGAF) due to increasing the annual spending authority for the CalGEM to plug deserted wells.

- CalGEM estimates costs of $1,062,000 in the first year and $989,000 ongoing (OGGAF) for six positions and limited-term contract authority to administer and oversee the increased spending on plugging and abandonment of hazardous or idle-deserted wells.

- OGGAF is funded by fees on oil and natural gas produced in California. Any state costs supported by OGGAF are recovered from operators of oil and gas wells.

SUPPORT: (Verified 5/21/21)

1000 Grandmothers for Future Generations
350 Bay Area Action
350 Conejo/San Fernando Valley
350 Humboldt
350 South Bay Los Angeles
350 Ventura County Climate Hub
Alliance of Nurses for Healthy Environments
Audubon California
California Coastal Protection Network
California Interfaith Power & Light
California League of Conservation Voters
Center for Biological Diversity
Citizens' Climate Lobby – Ventura Chapter
Clean Water Action
Climate 911
Climate First: Replacing Oil & Gas
Climate Health Now
Conejo Climate Coalition
County of Los Angeles
County of Ventura
Earthjustice

Environmental Defense Center
Environmental Working Group
Families Advocating for Chemical & Toxins Safety
Food & Water Watch
Greenpeace USA
Indivisible California Green Team
Indivisible Together We Will Los Gatos
Indivisible Ventura
Interfaith Climate Action Network of Contra Costa County
Long Beach Alliance for Clean Energy
Los Padres Forestwatch
Mi Familia Vota
Natural Resources Defense Council
Normal Heights Indivisible
Rodeo Citizens Association
Rooted in Resistance (Indivisible)
San Francisco Bay Physicians for Social Responsibility
Santa Barbara County Action Network
Santa Barbara Standing Rock Coalition
Sierra Club California
SoCal 350 Climate Action
Sunflower Alliance
Surfrider Foundation
Take Back Our Planet

OPPOSITION: (Verified 5/21/21)

California Independent Petroleum Association
California State Pipe Trades Council
International Association of Sheet Metal, Air, Rail and Transportation Workers, Sheet Metal Workers' Local Union No. 104
State Building and Construction Trades Council of California
Western States Petroleum Association

ARGUMENTS IN SUPPORT: According to the author, "[w]ithout a responsible operator, taxpayers will be the funding source of last resort for environmental remediation. The 2018 California Council on Science and Technology Report estimated California might already have 5,540 wells without a viable operator, resulting in taxpayer costs ranging from $500 million to billions of dollars. These wells are hazardous both to surrounding communities and the environment.

"SB 47 will increase CalGEM's annual spending authority to plug deserted wells from $3 million to $10 million and save any unspent funds until the account reaches $100 million.

"SB 47 is a significant step to ensure that the oil and gas industry pays from the remediation of hazards that the industry has historically left behind and those the State and taxpayers continue to inherit."

ARGUMENTS IN OPPOSITION: The California Independent Petroleum Association (CIPA) writing in opposition notes that the state has HIDWAF, the existing annual expenditure authority from OGGAF and recent changes in law have provided for additional bonding authority to CalGEM to help fund orphan well and facilities. CIPA objects to the "raid" of HIDWAF funds by the Department of Finance as these are funds used to pay for addressing orphan wells, and states that "California's taxpayers have not been on the hook for the remediation of a single onshore orphaned oil well."

CIPA continues by stating that its members "believe that the current body of law surrounding remediating orphaned wells is working well and does not need to be modified. Instead, the state needs to fully reimburse the HIDWAF and allow CalGEM to do its job of remediating orphaned wells using the money oil producers have paid towards this important effort."

The Western States Petroleum Association (WSPA) also objects to the HIDWAF loan, notes that CalGEM has expended fewer funds recently to address orphan wells than it could have, and proposes several amendments that, among other things, reduce the $10 million and $100 million statutory caps proposed in this bill.

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5/22/21 9:52:36

****** END ******

Summary for Policymakers

SPM

Summary for Policymakers

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Introduction

This Summary for Policymakers (SPM) presents key findings of the Working Group I (WGI) contribution to the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6)[1] on the physical science basis of climate change. The report builds upon the 2013 Working Group I contribution to the IPCC's Fifth Assessment Report (AR5) and the 2018–2019 IPCC Special Reports[2] of the AR6 cycle and incorporates subsequent new evidence from climate science.[3]

This SPM provides a high-level summary of the understanding of the current state of the climate, including how it is changing and the role of human influence, the state of knowledge about possible climate futures, climate information relevant to regions and sectors, and limiting human-induced climate change.

Based on scientific understanding, key findings can be formulated as statements of fact or associated with an assessed level of confidence indicated using the IPCC calibrated language.[4]

The scientific basis for each key finding is found in chapter sections of the main Report and in the integrated synthesis presented in the Technical Summary (hereafter TS), and is indicated in curly brackets. The AR6 WGI Interactive Atlas facilitates exploration of these key synthesis findings, and supporting climate change information, across the WGI reference regions.[5]

A. The Current State of the Climate

Since AR5, improvements in observationally based estimates and information from paleoclimate archives provide a comprehensive view of each component of the climate system and its changes to date. New climate model simulations, new analyses, and methods combining multiple lines of evidence lead to improved understanding of human influence on a wider range of climate variables, including weather and climate extremes. The time periods considered throughout this section depend upon the availability of observational products, paleoclimate archives and peer-reviewed studies.

A.1 It is unequivocal that human influence has warmed the atmosphere, ocean and land. Widespread and rapid changes in the atmosphere, ocean, cryosphere and biosphere have occurred. {2.2, 2.3, Cross-Chapter Box 2.3, 3.3, 3.4, 3.5, 3.6, 3.8, 5.2, 5.3, 6.4, 7.3, 8.3, 9.2, 9.3, 9.5, 9.6, Cross-Chapter Box 9.1} (Figure SPM.1, Figure SPM.2)

A.1.1 Observed increases in well-mixed greenhouse gas (GHG) concentrations since around 1750 are unequivocally caused by human activities. Since 2011 (measurements reported in AR5), concentrations have continued to increase in the atmosphere, reaching annual averages of 410 parts per million (ppm) for carbon dioxide (CO_2), 1866 parts per billion (ppb) for methane (CH_4), and 332 ppb for nitrous oxide (N_2O) in 2019.[6] Land and ocean have taken up a near-constant proportion (globally about 56% per year) of CO_2 emissions from human activities over the past six decades, with regional differences (*high confidence*).[7]
{2.2, 5.2, 7.3, TS.2.2, Box TS.5}

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1 Decision IPCC/XLVI-2.

2 The three Special Reports are: Global Warming of 1.5°C: An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty (SR1.5); Climate Change and Land: An IPCC Special Report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems (SRCCL); IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC).

3 The assessment covers scientific literature accepted for publication by 31 January 2021.

4 Each finding is grounded in an evaluation of underlying evidence and agreement. A level of confidence is expressed using five qualifiers: very low, low, medium, high and very high, and typeset in italics, for example, *medium confidence*. The following terms have been used to indicate the assessed likelihood of an outcome or result: virtually certain 99–100% probability; very likely 90–100%; likely 66–100%; about as likely as not 33–66%; unlikely 0–33%; very unlikely 0–10%; and exceptionally unlikely 0–1%. Additional terms (extremely likely 95–100%; more likely than not >50–100%; and extremely unlikely 0–5%) are also used when appropriate. Assessed likelihood is typeset in italics, for example, *very likely*. This is consistent with AR5. In this Report, unless stated otherwise, square brackets [x to y] are used to provide the assessed *very likely* range, or 90% interval.

5 The Interactive Atlas is available at https://interactive-atlas.ipcc.ch

6 Other GHG concentrations in 2019 were: perfluorocarbons (PFCs) – 109 parts per trillion (ppt) CF_4 equivalent; sulphur hexafluoride (SF_6) – 10 ppt; nitrogen trifluoride (NF_3) – 2 ppt; hydrofluorocarbons (HFCs) – 237 ppt HFC-134a equivalent; other Montreal Protocol gases (mainly chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs)) – 1032 ppt CFC-12 equivalent). Increases from 2011 are 19 ppm for CO_2, 63 ppb for CH_4 and 8 ppb for N_2O.

7 Land and ocean are not substantial sinks for other GHGs.

A.1.2 Each of the last four decades has been successively warmer than any decade that preceded it since 1850. Global surface temperature[8] in the first two decades of the 21st century (2001–2020) was 0.99 [0.84 to 1.10] °C higher than 1850–1900.[9] Global surface temperature was 1.09 [0.95 to 1.20] °C higher in 2011–2020 than 1850–1900, with larger increases over land (1.59 [1.34 to 1.83] °C) than over the ocean (0.88 [0.68 to 1.01] °C). The estimated increase in global surface temperature since AR5 is principally due to further warming since 2003–2012 (+0.19 [0.16 to 0.22] °C). Additionally, methodological advances and new datasets contributed approximately 0.1°C to the updated estimate of warming in AR6.[10]
{2.3, Cross-Chapter Box 2.3} (Figure SPM.1)

A.1.3 The *likely* range of total human-caused global surface temperature increase from 1850–1900 to 2010–2019[11] is 0.8°C to 1.3°C, with a best estimate of 1.07°C. It is *likely* that well-mixed GHGs contributed a warming of 1.0°C to 2.0°C, other human drivers (principally aerosols) contributed a cooling of 0.0°C to 0.8°C, natural drivers changed global surface temperature by –0.1°C to +0.1°C, and internal variability changed it by –0.2°C to +0.2°C. It is *very likely* that well-mixed GHGs were the main driver[12] of tropospheric warming since 1979 and *extremely likely* that human-caused stratospheric ozone depletion was the main driver of cooling of the lower stratosphere between 1979 and the mid-1990s.
{3.3, 6.4, 7.3, TS.2.3, Cross-Section Box TS.1} (Figure SPM.2)

A.1.4 Globally averaged precipitation over land has *likely* increased since 1950, with a faster rate of increase since the 1980s (*medium confidence*). It is *likely* that human influence contributed to the pattern of observed precipitation changes since the mid-20th century and *extremely likely* that human influence contributed to the pattern of observed changes in near-surface ocean salinity. Mid-latitude storm tracks have *likely* shifted poleward in both hemispheres since the 1980s, with marked seasonality in trends (*medium confidence*). For the Southern Hemisphere, human influence *very likely* contributed to the poleward shift of the closely related extratropical jet in austral summer.
{2.3, 3.3, 8.3, 9.2, TS.2.3, TS.2.4, Box TS.6}

A.1.5 Human influence is *very likely* the main driver of the global retreat of glaciers since the 1990s and the decrease in Arctic sea ice area between 1979–1988 and 2010–2019 (decreases of about 40% in September and about 10% in March). There has been no significant trend in Antarctic sea ice area from 1979 to 2020 due to regionally opposing trends and large internal variability. Human influence *very likely* contributed to the decrease in Northern Hemisphere spring snow cover since 1950. It is *very likely* that human influence has contributed to the observed surface melting of the Greenland Ice Sheet over the past two decades, but there is only *limited evidence*, with *medium agreement*, of human influence on the Antarctic Ice Sheet mass loss.
{2.3, 3.4, 8.3, 9.3, 9.5, TS.2.5}

A.1.6 It is *virtually certain* that the global upper ocean (0–700 m) has warmed since the 1970s and *extremely likely* that human influence is the main driver. It is *virtually certain* that human-caused CO_2 emissions are the main driver of current global acidification of the surface open ocean. There is *high confidence* that oxygen levels have dropped in many upper ocean regions since the mid-20th century and *medium confidence* that human influence contributed to this drop.
{2.3, 3.5, 3.6, 5.3, 9.2, TS.2.4}

A.1.7 Global mean sea level increased by 0.20 [0.15 to 0.25] m between 1901 and 2018. The average rate of sea level rise was 1.3 [0.6 to 2.1] mm yr^{-1} between 1901 and 1971, increasing to 1.9 [0.8 to 2.9] mm yr^{-1} between 1971 and 2006, and further increasing to 3.7 [3.2 to 4.2] mm yr^{-1} between 2006 and 2018 (*high confidence*). Human influence was *very likely* the main driver of these increases since at least 1971.
{2.3, 3.5, 9.6, Cross-Chapter Box 9.1, Box TS.4}

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8 The term 'global surface temperature' is used in reference to both global mean surface temperature and global surface air temperature throughout this SPM. Changes in these quantities are assessed with *high confidence* to differ by at most 10% from one another, but conflicting lines of evidence lead to *low confidence* in the sign (direction) of any difference in long-term trend. {Cross-Section Box TS.1}

9 The period 1850–1900 represents the earliest period of sufficiently globally complete observations to estimate global surface temperature and, consistent with AR5 and SR1.5, is used as an approximation for pre-industrial conditions.

10 Since AR5, methodological advances and new datasets have provided a more complete spatial representation of changes in surface temperature, including in the Arctic. These and other improvements have also increased the estimate of global surface temperature change by approximately 0.1°C, but this increase does not represent additional physical warming since AR5.

11 The period distinction with A.1.2 arises because the attribution studies consider this slightly earlier period. The observed warming to 2010–2019 is 1.06 [0.88 to 1.21] °C.

12 Throughout this SPM, 'main driver' means responsible for more than 50% of the change.

A.1.8 Changes in the land biosphere since 1970 are consistent with global warming: climate zones have shifted poleward in both hemispheres, and the growing season has on average lengthened by up to two days per decade since the 1950s in the Northern Hemisphere extratropics (*high confidence*). {2.3, TS.2.6}

Human influence has warmed the climate at a rate that is unprecedented in at least the last 2000 years

Changes in global surface temperature relative to 1850–1900

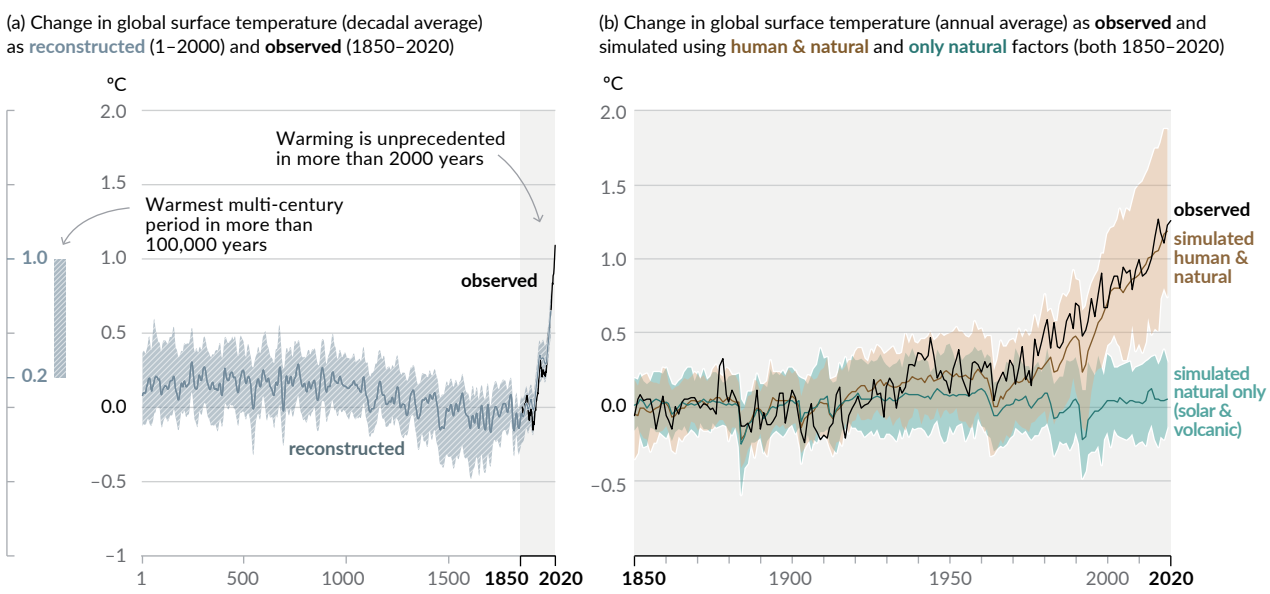

Figure SPM.1 | History of global temperature change and causes of recent warming

Panel (a) Changes in global surface temperature reconstructed from paleoclimate archives (solid grey line, years 1–2000) **and from direct observations** (solid black line, 1850–2020), both relative to 1850–1900 and decadally averaged. The vertical bar on the left shows the estimated temperature (*very likely* range) during the warmest multi-century period in at least the last 100,000 years, which occurred around 6500 years ago during the current interglacial period (Holocene). The Last Interglacial, around 125,000 years ago, is the next most recent candidate for a period of higher temperature. These past warm periods were caused by slow (multi-millennial) orbital variations. The grey shading with white diagonal lines shows the *very likely* ranges for the temperature reconstructions.

Panel (b) Changes in global surface temperature over the past 170 years (black line) relative to 1850–1900 and annually averaged, compared to Coupled Model Intercomparison Project Phase 6 (CMIP6) climate model simulations (see Box SPM.1) of the temperature response to both human and natural drivers (brown) and to only natural drivers (solar and volcanic activity, green). Solid coloured lines show the multi-model average, and coloured shades show the *very likely* range of simulations. (See Figure SPM.2 for the assessed contributions to warming).

{2.3.1; Cross-Chapter Box 2.3; 3.3; TS.2.2; Cross-Section Box TS.1, Figure 1a}

Observed warming is driven by emissions from human activities, with greenhouse gas warming partly masked by aerosol cooling

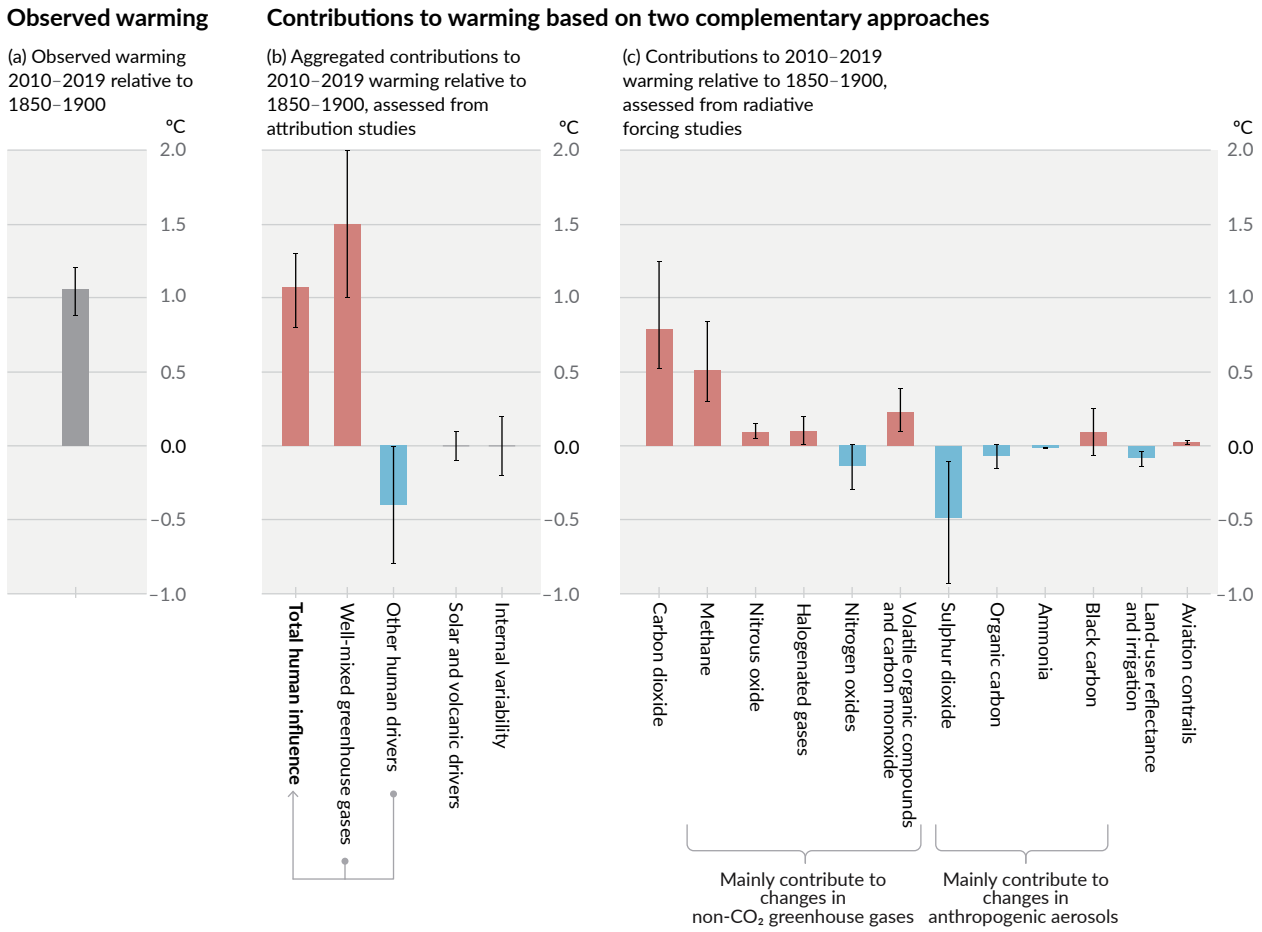

Figure SPM.2 | Assessed contributions to observed warming in 2010–2019 relative to 1850–1900

Panel (a) Observed global warming (increase in global surface temperature). Whiskers show the *very likely* range.

Panel (b) Evidence from attribution studies, which synthesize information from climate models and observations. The panel shows temperature change attributed to: total human influence; changes in well-mixed greenhouse gas concentrations; other human drivers due to aerosols, ozone and land-use change (land-use reflectance); solar and volcanic drivers; and internal climate variability. Whiskers show *likely* ranges.

Panel (c) Evidence from the assessment of radiative forcing and climate sensitivity. The panel shows temperature changes from individual components of human influence: emissions of greenhouse gases, aerosols and their precursors; land-use changes (land-use reflectance and irrigation); and aviation contrails. Whiskers show *very likely* ranges. Estimates account for both direct emissions into the atmosphere and their effect, if any, on other climate drivers. For aerosols, both direct effects (through radiation) and indirect effects (through interactions with clouds) are considered.

{Cross-Chapter Box 2.3, 3.3.1, 6.4.2, 7.3}

A.2 The scale of recent changes across the climate system as a whole – and the present state of many aspects of the climate system – are unprecedented over many centuries to many thousands of years. {2.2, 2.3, Cross-Chapter Box 2.1, 5.1} (Figure SPM.1)

A.2.1 In 2019, atmospheric CO_2 concentrations were higher than at any time in at least 2 million years (*high confidence*), and concentrations of CH_4 and N_2O were higher than at any time in at least 800,000 years (*very high confidence*). Since 1750, increases in CO_2 (47%) and CH_4 (156%) concentrations far exceed – and increases in N_2O (23%) are similar to – the natural multi-millennial changes between glacial and interglacial periods over at least the past 800,000 years (*very high confidence*). {2.2, 5.1, TS.2.2}

A.2.2 Global surface temperature has increased faster since 1970 than in any other 50-year period over at least the last 2000 years (*high confidence*). Temperatures during the most recent decade (2011–2020) exceed those of the most recent multi-century warm period, around 6500 years ago[13] [0.2°C to 1°C relative to 1850–1900] (*medium confidence*). Prior to that, the next most recent warm period was about 125,000 years ago, when the multi-century temperature [0.5°C to 1.5°C relative to 1850–1900] overlaps the observations of the most recent decade (*medium confidence*). {2.3, Cross-Chapter Box 2.1, Cross-Section Box TS.1} (Figure SPM.1)

A.2.3 In 2011–2020, annual average Arctic sea ice area reached its lowest level since at least 1850 (*high confidence*). Late summer Arctic sea ice area was smaller than at any time in at least the past 1000 years (*medium confidence*). The global nature of glacier retreat since the 1950s, with almost all of the world's glaciers retreating synchronously, is unprecedented in at least the last 2000 years (*medium confidence*). {2.3, TS.2.5}

A.2.4 Global mean sea level has risen faster since 1900 than over any preceding century in at least the last 3000 years (*high confidence*). The global ocean has warmed faster over the past century than since the end of the last deglacial transition (around 11,000 years ago) (*medium confidence*). A long-term increase in surface open ocean pH occurred over the past 50 million years (*high confidence*). However, surface open ocean pH as low as recent decades is unusual in the last 2 million years (*medium confidence*). {2.3, TS.2.4, Box TS.4}

A.3 Human-induced climate change is already affecting many weather and climate extremes in every region across the globe. Evidence of observed changes in extremes such as heatwaves, heavy precipitation, droughts, and tropical cyclones, and, in particular, their attribution to human influence, has strengthened since AR5. {2.3, 3.3, 8.2, 8.3, 8.4, 8.5, 8.6, Box 8.1, Box 8.2, Box 9.2, 10.6, 11.2, 11.3, 11.4, 11.6, 11.7, 11.8, 11.9, 12.3} (Figure SPM.3)

A.3.1 It is *virtually certain* that hot extremes (including heatwaves) have become more frequent and more intense across most land regions since the 1950s, while cold extremes (including cold waves) have become less frequent and less severe, with *high confidence* that human-induced climate change is the main driver[14] of these changes. Some recent hot extremes observed over the past decade would have been *extremely unlikely* to occur without human influence on the climate system. Marine heatwaves have approximately doubled in frequency since the 1980s (*high confidence*), and human influence has *very likely* contributed to most of them since at least 2006. {Box 9.2, 11.2, 11.3, 11.9, TS.2.4, TS.2.6, Box TS.10} (Figure SPM.3)

A.3.2 The frequency and intensity of heavy precipitation events have increased since the 1950s over most land area for which observational data are sufficient for trend analysis (*high confidence*), and human-induced climate change is *likely* the main driver. Human-induced climate change has contributed to increases in agricultural and ecological droughts[15] in some regions due to increased land evapotranspiration[16] (*medium confidence*). {8.2, 8.3, 11.4, 11.6, 11.9, TS.2.6, Box TS.10} (Figure SPM.3)

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13 As stated in section B.1, even under the very low emissions scenario SSP1-1.9, temperatures are assessed to remain elevated above those of the most recent decade until at least 2100 and therefore warmer than the century-scale period 6500 years ago.

14 As indicated in footnote 12, throughout this SPM, 'main driver' means responsible for more than 50% of the change.

15 Agricultural and ecological drought (depending on the affected biome): a period with abnormal soil moisture deficit, which results from combined shortage of precipitation and excess evapotranspiration, and during the growing season impinges on crop production or ecosystem function in general (see Annex VII: Glossary). Observed changes in meteorological droughts (precipitation deficits) and hydrological droughts (streamflow deficits) are distinct from those in agricultural and ecological droughts and are addressed in the underlying AR6 material (Chapter 11).

16 The combined processes through which water is transferred to the atmosphere from open water and ice surfaces, bare soils and vegetation that make up the Earth's surface (Glossary).

A.3.3 Decreases in global land monsoon precipitation[17] from the 1950s to the 1980s are partly attributed to human-caused Northern Hemisphere aerosol emissions, but increases since then have resulted from rising GHG concentrations and decadal to multi-decadal internal variability (*medium confidence*). Over South Asia, East Asia and West Africa, increases in monsoon precipitation due to warming from GHG emissions were counteracted by decreases in monsoon precipitation due to cooling from human-caused aerosol emissions over the 20th century (*high confidence*). Increases in West African monsoon precipitation since the 1980s are partly due to the growing influence of GHGs and reductions in the cooling effect of human-caused aerosol emissions over Europe and North America (*medium confidence*).
{2.3, 3.3, 8.2, 8.3, 8.4, 8.5, 8.6, Box 8.1, Box 8.2, 10.6, Box TS.13}

A.3.4 It is *likely* that the global proportion of major (Category 3–5) tropical cyclone occurrence has increased over the last four decades, and it is *very likely* that the latitude where tropical cyclones in the western North Pacific reach their peak intensity has shifted northward; these changes cannot be explained by internal variability alone (*medium confidence*). There is *low confidence* in long-term (multi-decadal to centennial) trends in the frequency of all-category tropical cyclones. Event attribution studies and physical understanding indicate that human-induced climate change increases heavy precipitation associated with tropical cyclones (*high confidence*), but data limitations inhibit clear detection of past trends on the global scale.
{8.2, 11.7, Box TS.10}

A.3.5 Human influence has *likely* increased the chance of compound extreme events[18] since the 1950s. This includes increases in the frequency of concurrent heatwaves and droughts on the global scale (*high confidence*), fire weather in some regions of all inhabited continents (*medium confidence*), and compound flooding in some locations (*medium confidence*).
{11.6, 11.7, 11.8, 12.3, 12.4, TS.2.6, Table TS.5, Box TS.10}

17 The global monsoon is defined as the area in which the annual range (local summer minus local winter) of precipitation is greater than 2.5 mm day^{-1} (Glossary). Global land monsoon precipitation refers to the mean precipitation over land areas within the global monsoon.

18 Compound extreme events are the combination of multiple drivers and/or hazards that contribute to societal or environmental risk (Glossary). Examples are concurrent heatwaves and droughts, compound flooding (e.g., a storm surge in combination with extreme rainfall and/or river flow), compound fire weather conditions (i.e., a combination of hot, dry and windy conditions), or concurrent extremes at different locations.

Climate change is already affecting every inhabited region across the globe, with human influence contributing to many observed changes in weather and climate extremes

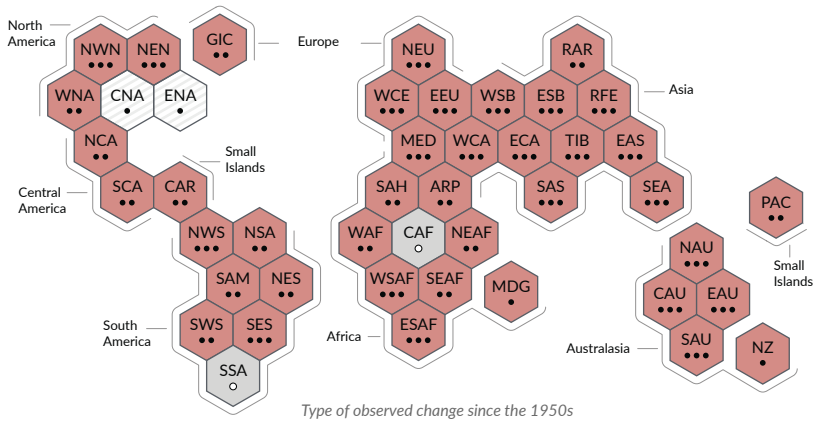
(a) Synthesis of assessment of observed change in **hot extremes** and confidence in human contribution to the observed changes in the world's regions

Type of observed change
in hot extremes

- Increase (41)
- Decrease (0)
- Low agreement in the type of change (2)
- Limited data and/or literature (2)

Confidence in human contribution
to the observed change

- ●●● High
- ●● Medium
- ● Low due to limited agreement
- ○ Low due to limited evidence



Type of observed change since the 1950s

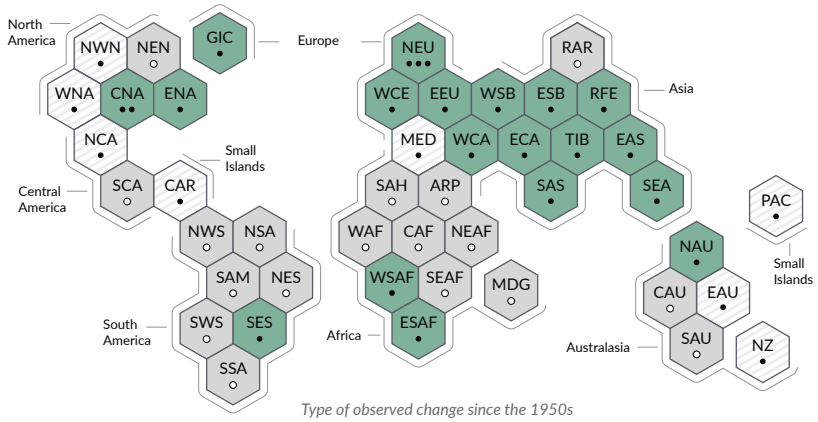
(b) Synthesis of assessment of observed change in **heavy precipitation** and confidence in human contribution to the observed changes in the world's regions

Type of observed change
in heavy precipitation

- Increase (19)
- Decrease (0)
- Low agreement in the type of change (8)
- Limited data and/or literature (18)

Confidence in human contribution
to the observed change

- ●●● High
- ●● Medium
- ● Low due to limited agreement
- ○ Low due to limited evidence



Type of observed change since the 1950s

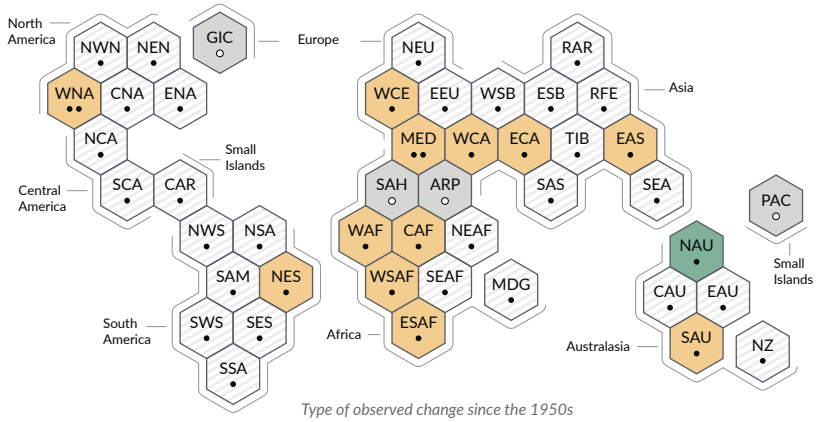
(c) Synthesis of assessment of observed change in **agricultural and ecological drought** and confidence in human contribution to the observed changes in the world's regions

Type of observed change
in agricultural and ecological drought

- Increase (12)
- Decrease (1)
- Low agreement in the type of change (28)
- Limited data and/or literature (4)

Confidence in human contribution
to the observed change

- ●●● High
- ●● Medium
- ● Low due to limited agreement
- ○ Low due to limited evidence



Type of observed change since the 1950s

Each hexagon corresponds to one of the IPCC AR6 WGI reference regions

NWN *North-Western North America*

IPCC AR6 WGI reference regions: **North America:** ***NWN*** *(North-Western North America),* ***NEN*** *(North-Eastern North America),* ***WNA*** *(Western North America),* ***CNA*** *(Central North America),* ***ENA*** *(Eastern North America),* **Central America:** ***NCA*** *(Northern Central America),* ***SCA*** *(Southern Central America),* ***CAR*** *(Caribbean),* **South America:** ***NWS*** *(North-Western South America),* ***NSA*** *(Northern South America),* ***NES*** *(North-Eastern South America),* ***SAM*** *(South American Monsoon),* ***SWS*** *(South-Western South America),* ***SES*** *(South-Eastern South America),* ***SSA*** *(Southern South America),* **Europe:** ***GIC*** *(Greenland/Iceland),* ***NEU*** *(Northern Europe),* ***WCE*** *(Western and Central Europe),* ***EEU*** *(Eastern Europe),* ***MED*** *(Mediterranean),* **Africa:** ***MED*** *(Mediterranean),* ***SAH*** *(Sahara),* ***WAF*** *(Western Africa),* ***CAF*** *(Central Africa),* ***NEAF*** *(North Eastern Africa),* ***SEAF*** *(South Eastern Africa),* ***WSAF*** *(West Southern Africa),* ***ESAF*** *(East Southern Africa),* ***MDG*** *(Madagascar),* **Asia:** ***RAR*** *(Russian Arctic),* ***WSB*** *(West Siberia),* ***ESB*** *(East Siberia),* ***RFE*** *(Russian Far East),* ***WCA*** *(West Central Asia),* ***ECA*** *(East Central Asia),* ***TIB*** *(Tibetan Plateau),* ***EAS*** *(East Asia),* ***ARP*** *(Arabian Peninsula),* ***SAS*** *(South Asia),* ***SEA*** *(South East Asia),* **Australasia:** ***NAU*** *(Northern Australia),* ***CAU*** *(Central Australia),* ***EAU*** *(Eastern Australia),* ***SAU*** *(Southern Australia),* ***NZ*** *(New Zealand),* **Small Islands:** ***CAR*** *(Caribbean),* ***PAC*** *(Pacific Small Islands)*

Figure SPM.3 | Synthesis of assessed observed and attributable regional changes

The IPCC AR6 WGI inhabited regions are displayed as **hexagons** with identical size in their approximate geographical location (see legend for regional acronyms). All assessments are made for each region as a whole and for the 1950s to the present. Assessments made on different time scales or more local spatial scales might differ from what is shown in the figure. The **colours** in each panel represent the four outcomes of the assessment on observed changes. Striped hexagons (white and light-grey) are used where there is *low agreement* in the type of change for the region as a whole, and grey hexagons are used when there is limited data and/or literature that prevents an assessment of the region as a whole. Other colours indicate at least *medium confidence* in the observed change. The **confidence level** for the human influence on these observed changes is based on assessing trend detection and attribution and event attribution literature, and it is indicated by the number of dots: three dots for *high confidence*, two dots for *medium confidence* and one dot for *low confidence* (single, filled dot: limited agreement; single, empty dot: limited evidence).

Panel (a) For hot extremes, the evidence is mostly drawn from changes in metrics based on daily maximum temperatures; regional studies using other indices (heatwave duration, frequency and intensity) are used in addition. Red hexagons indicate regions where there is at least *medium confidence* in an observed increase in hot extremes.

Panel (b) For heavy precipitation, the evidence is mostly drawn from changes in indices based on one-day or five-day precipitation amounts using global and regional studies. Green hexagons indicate regions where there is at least *medium confidence* in an observed increase in heavy precipitation.

Panel (c) Agricultural and ecological droughts are assessed based on observed and simulated changes in total column soil moisture, complemented by evidence on changes in surface soil moisture, water balance (precipitation minus evapotranspiration) and indices driven by precipitation and atmospheric evaporative demand. Yellow hexagons indicate regions where there is at least *medium confidence* in an observed increase in this type of drought, and green hexagons indicate regions where there is at least *medium confidence* in an observed decrease in agricultural and ecological drought.

For all regions, Table TS.5 shows a broader range of observed changes besides the ones shown in this figure. Note that Southern South America (SSA) is the only region that does not display observed changes in the metrics shown in this figure, but is affected by observed increases in mean temperature, decreases in frost and increases in marine heatwaves.

{11.9, Atlas 1.3.3, Figure Atlas.2, Table TS.5; Box TS.10, Figure 1}

A.4 Improved knowledge of climate processes, paleoclimate evidence and the response of the climate system to increasing radiative forcing gives a best estimate of equilibrium climate sensitivity of 3°C, with a narrower range compared to AR5. {2.2, 7.3, 7.4, 7.5, Box 7.2, 9.4, 9.5, 9.6, Cross-Chapter Box 9.1}

A.4.1 Human-caused radiative forcing of 2.72 [1.96 to 3.48] W m^{-2} in 2019 relative to 1750 has warmed the climate system. This warming is mainly due to increased GHG concentrations, partly reduced by cooling due to increased aerosol concentrations. The radiative forcing has increased by 0.43 W m^{-2} (19%) relative to AR5, of which 0.34 W m^{-2} is due to the increase in GHG concentrations since 2011. The remainder is due to improved scientific understanding and changes in the assessment of aerosol forcing, which include decreases in concentration and improvement in its calculation (*high confidence*). {2.2, 7.3, TS.2.2, TS.3.1}

A.4.2 Human-caused net positive radiative forcing causes an accumulation of additional energy (heating) in the climate system, partly reduced by increased energy loss to space in response to surface warming. The observed average rate of heating of the climate system increased from 0.50 [0.32 to 0.69] W m^{-2} for the period 1971–2006[19] to 0.79 [0.52 to 1.06] W m^{-2} for the period 2006–2018[20] (*high confidence*). Ocean warming accounted for 91% of the heating in the climate system, with land warming, ice loss and atmospheric warming accounting for about 5%, 3% and 1%, respectively (*high confidence*). {7.2, Box 7.2, TS.3.1}

A.4.3 Heating of the climate system has caused global mean sea level rise through ice loss on land and thermal expansion from ocean warming. Thermal expansion explained 50% of sea level rise during 1971–2018, while ice loss from glaciers contributed 22%, ice sheets 20% and changes in land-water storage 8%. The rate of ice-sheet loss increased by a factor of four between 1992–1999 and 2010–2019. Together, ice-sheet and glacier mass loss were the dominant contributors to global mean sea level rise during 2006–2018 (*high confidence*). {9.4, 9.5, 9.6, Cross-Chapter Box 9.1}

A.4.4 The equilibrium climate sensitivity is an important quantity used to estimate how the climate responds to radiative forcing. Based on multiple lines of evidence,[21] the *very likely* range of equilibrium climate sensitivity is between 2°C (*high confidence*) and 5°C (*medium confidence*). The AR6 assessed best estimate is 3°C with a *likely* range of 2.5°C to 4°C (*high confidence*), compared to 1.5°C to 4.5°C in AR5, which did not provide a best estimate. {7.4, 7.5, TS.3.2}

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19 Cumulative energy increase of 282 [177 to 387] ZJ over 1971–2006 (1 ZJ = 10^{21} joules).

20 Cumulative energy increase of 152 [100 to 205] ZJ over 2006–2018.

21 Understanding of climate processes, the instrumental record, paleoclimates and model-based emergent constraints (Glossary).

B. Possible Climate Futures

A set of five new illustrative emissions scenarios is considered consistently across this Report to explore the climate response to a broader range of greenhouse gas (GHG), land-use and air pollutant futures than assessed in AR5. This set of scenarios drives climate model projections of changes in the climate system. These projections account for solar activity and background forcing from volcanoes. Results over the 21st century are provided for the near term (2021–2040), mid-term (2041–2060) and long term (2081–2100) relative to 1850–1900, unless otherwise stated.

Box SPM.1 | Scenarios, Climate Models and Projections

Box SPM.1.1: This Report assesses the climate response to five illustrative scenarios that cover the range of possible future development of anthropogenic drivers of climate change found in the literature. They start in 2015, and include scenarios[22] with high and very high GHG emissions (SSP3-7.0 and SSP5-8.5) and CO_2 emissions that roughly double from current levels by 2100 and 2050, respectively, scenarios with intermediate GHG emissions (SSP2-4.5) and CO_2 emissions remaining around current levels until the middle of the century, and scenarios with very low and low GHG emissions and CO_2 emissions declining to net zero around or after 2050, followed by varying levels of net negative CO_2 emissions[23] (SSP1-1.9 and SSP1-2.6), as illustrated in Figure SPM.4. Emissions vary between scenarios depending on socio-economic assumptions, levels of climate change mitigation and, for aerosols and non-methane ozone precursors, air pollution controls. Alternative assumptions may result in similar emissions and climate responses, but the socio-economic assumptions and the feasibility or likelihood of individual scenarios are not part of the assessment.
{1.6, Cross-Chapter Box 1.4, TS.1.3} (Figure SPM.4)

Box SPM.1.2: This Report assesses results from climate models participating in the Coupled Model Intercomparison Project Phase 6 (CMIP6) of the World Climate Research Programme. These models include new and better representations of physical, chemical and biological processes, as well as higher resolution, compared to climate models considered in previous IPCC assessment reports. This has improved the simulation of the recent mean state of most large-scale indicators of climate change and many other aspects across the climate system. Some differences from observations remain, for example in regional precipitation patterns. The CMIP6 historical simulations assessed in this Report have an ensemble mean global surface temperature change within 0.2°C of the observations over most of the historical period, and observed warming is within the *very likely* range of the CMIP6 ensemble. However, some CMIP6 models simulate a warming that is either above or below the assessed *very likely* range of observed warming.
{1.5, Cross-Chapter Box 2.2, 3.3, 3.8, TS.1.2, Cross-Section Box TS.1} (Figure SPM.1b, Figure SPM.2)

Box SPM.1.3: The CMIP6 models considered in this Report have a wider range of climate sensitivity than in CMIP5 models and the AR6 assessed *very likely* range, which is based on multiple lines of evidence. These CMIP6 models also show a higher average climate sensitivity than CMIP5 and the AR6 assessed best estimate. The higher CMIP6 climate sensitivity values compared to CMIP5 can be traced to an amplifying cloud feedback that is larger in CMIP6 by about 20%.
{Box 7.1, 7.3, 7.4, 7.5, TS.3.2}

Box SPM.1.4: For the first time in an IPCC report, assessed future changes in global surface temperature, ocean warming and sea level are constructed by combining multi-model projections with observational constraints based on past simulated warming, as well as the AR6 assessment of climate sensitivity. For other quantities, such robust methods do not yet exist to constrain the projections. Nevertheless, robust projected geographical patterns of many variables can be identified at a given level of global warming, common to all scenarios considered and independent of timing when the global warming level is reached.
{1.6, 4.3, 4.6, Box 4.1, 7.5, 9.2, 9.6, Cross-Chapter Box 11.1, Cross-Section Box TS.1}

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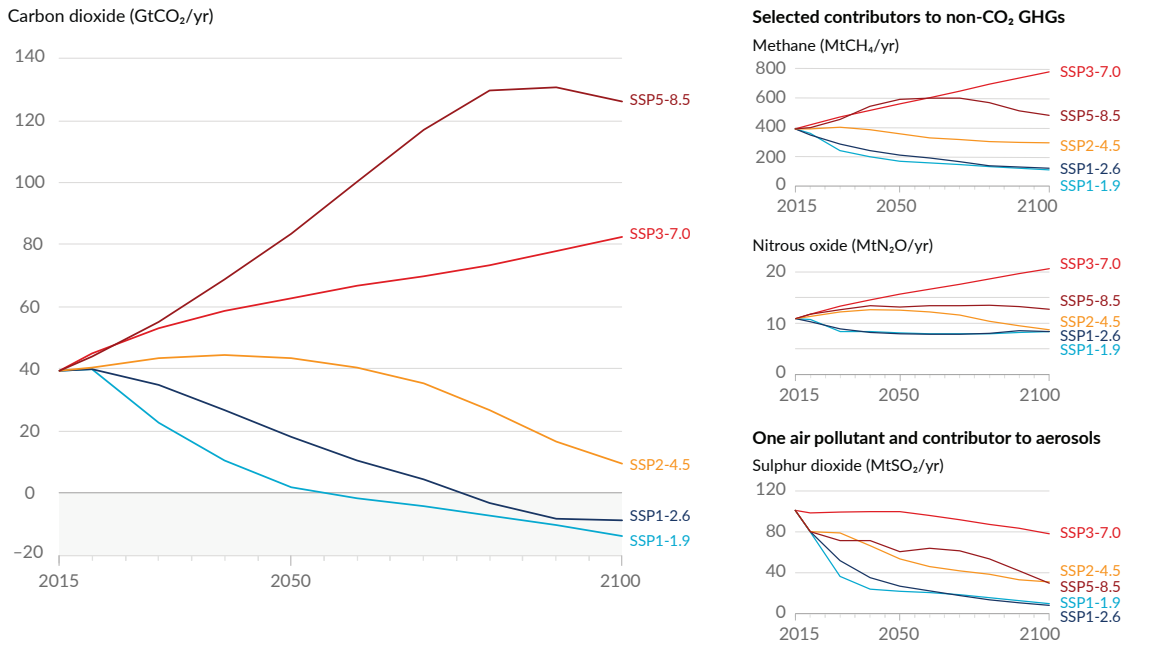
22 Throughout this Report, the five illustrative scenarios are referred to as SSPx-y, where 'SSPx' refers to the Shared Socio-economic Pathway or 'SSP' describing the socio-economic trends underlying the scenario, and 'y' refers to the approximate level of radiative forcing (in watts per square metre, or W m^{-2}) resulting from the scenario in the year 2100. A detailed comparison to scenarios used in earlier IPCC reports is provided in Section TS.1.3, and Sections 1.6 and 4.6. The SSPs that underlie the specific forcing scenarios used to drive climate models are not assessed by WGI. Rather, the SSPx-y labelling ensures traceability to the underlying literature in which specific forcing pathways are used as input to the climate models. IPCC is neutral with regard to the assumptions underlying the SSPs, which do not cover all possible scenarios. Alternative scenarios may be considered or developed.

23 Net negative CO_2 emissions are reached when anthropogenic removals of CO_2 exceed anthropogenic emissions (Glossary).

Box SPM.1 (continued)

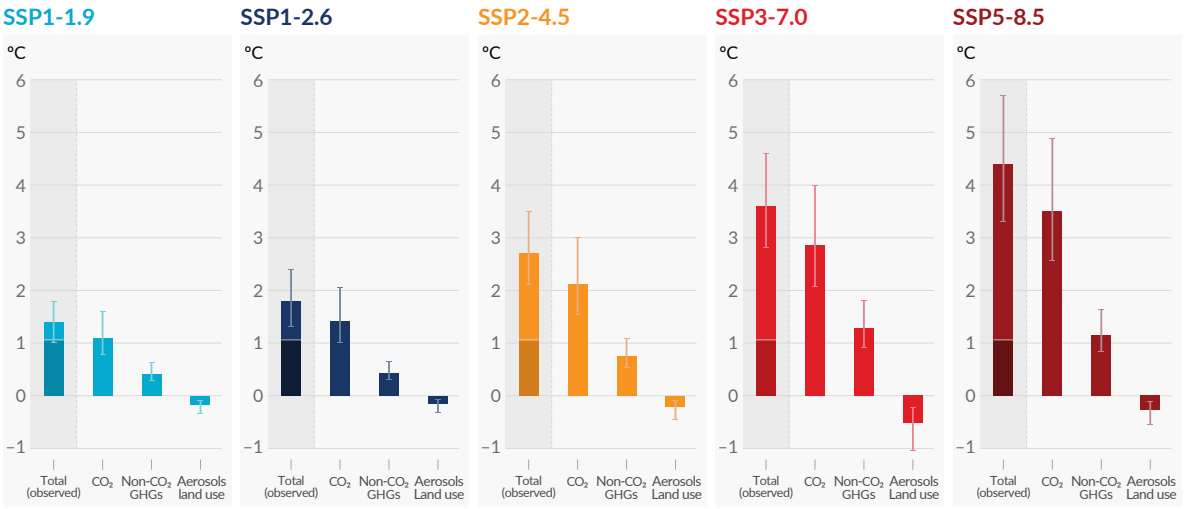
Future emissions cause future additional warming, with total warming dominated by past and future CO_2 emissions

(a) Future annual emissions of CO_2 (left) and of a subset of key non-CO_2 drivers (right), across five illustrative scenarios



(b) Contribution to global surface temperature increase from different emissions, with a dominant role of CO_2 emissions

Change in global surface temperature in 2081–2100 relative to 1850–1900 (°C)



Total warming (observed warming to date in darker shade), warming from CO_2, warming from non-CO_2 GHGs and cooling from changes in aerosols and land use

Figure SPM.4 | Future anthropogenic emissions of key drivers of climate change and warming contributions by groups of drivers for the five illustrative scenarios used in this report

The five scenarios are SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0 and SSP5-8.5.

Panel (a) Annual anthropogenic (human-caused) emissions over the 2015–2100 period. Shown are emissions trajectories for carbon dioxide (CO_2) from all sectors ($GtCO_2$/yr) (left graph) and for a subset of three key non-CO_2 drivers considered in the scenarios: methane (CH_4, $MtCH_4$/yr, top-right graph); nitrous oxide (N_2O, MtN_2O/yr, middle-right graph); and sulphur dioxide (SO_2, $MtSO_2$/yr, bottom-right graph, contributing to anthropogenic aerosols in panel (b).

Panel (b) Warming contributions by groups of anthropogenic drivers and by scenario are shown as the change in global surface temperature (°C) in 2081–2100 relative to 1850–1900, with indication of the observed warming to date. Bars and whiskers represent median values and the *very likely* range, respectively. Within each scenario bar plot, the bars represent: total global warming (°C; 'total' bar) (see Table SPM.1); warming contributions (°C) from changes in CO_2 ('CO_2' bar) and from non-CO_2 greenhouse gases (GHGs; 'non-CO_2 GHGs' bar: comprising well-mixed greenhouse gases and ozone); and net cooling from other anthropogenic drivers ('aerosols and land use' bar: anthropogenic aerosols, changes in reflectance due to land-use and irrigation changes, and contrails from aviation) (see Figure SPM.2, panel c, for the warming contributions to date for individual drivers). The best estimate for observed warming in 2010–2019 relative to 1850–1900 (see Figure SPM.2, panel a) is indicated in the darker column in the 'total' bar. Warming contributions in panel (b) are calculated as explained in Table SPM.1 for the total bar. For the other bars, the contribution by groups of drivers is calculated with a physical climate emulator of global surface temperature that relies on climate sensitivity and radiative forcing assessments.

{Cross-Chapter Box 1.4; 4.6; Figure 4.35; 6.7; Figures 6.18, 6.22 and 6.24; 7.3; Cross-Chapter Box 7.1; Figure 7.7; Box TS.7; Figures TS.4 and TS.15}

B.1 Global surface temperature will continue to increase until at least mid-century under all emissions scenarios considered. Global warming of 1.5°C and 2°C will be exceeded during the 21st century unless deep reductions in CO_2 and other greenhouse gas emissions occur in the coming decades. {2.3, Cross-Chapter Box 2.3, Cross-Chapter Box 2.4, 4.3, 4.4, 4.5} (Figure SPM.1, Figure SPM.4, Figure SPM.8, Table SPM.1, Box SPM.1)

B.1.1 Compared to 1850–1900, global surface temperature averaged over 2081–2100 is *very likely* to be higher by 1.0°C to 1.8°C under the very low GHG emissions scenario considered (SSP1-1.9), by 2.1°C to 3.5°C in the intermediate GHG emissions scenario (SSP2-4.5) and by 3.3°C to 5.7°C under the very high GHG emissions scenario (SSP5-8.5).[24] The last time global surface temperature was sustained at or above 2.5°C higher than 1850–1900 was over 3 million years ago (*medium confidence*).
{2.3, Cross-Chapter Box 2.4, 4.3, 4.5, Box TS.2, Box TS.4, Cross-Section Box TS.1} (Table SPM.1)

Table SPM.1 | Changes in global surface temperature, which are assessed based on multiple lines of evidence, for selected 20-year time periods and the five illustrative emissions scenarios considered. Temperature differences relative to the average global surface temperature of the period 1850–1900 are reported in °C. This includes the revised assessment of observed historical warming for the AR5 reference period 1986–2005, which in AR6 is higher by 0.08 [–0.01 to +0.12] °C than in AR5 (see footnote 10). Changes relative to the recent reference period 1995–2014 may be calculated approximately by subtracting 0.85°C, the best estimate of the observed warming from 1850–1900 to 1995–2014.
{Cross-Chapter Box 2.3, 4.3, 4.4, Cross-Section Box TS.1}

	Near term, 2021–2040		Mid-term, 2041–2060		Long term, 2081–2100	
Scenario	Best estimate (°C)	*Very likely* range (°C)	Best estimate (°C)	*Very likely* range (°C)	Best estimate (°C)	*Very likely* range (°C)
SSP1-1.9	1.5	1.2 to 1.7	1.6	1.2 to 2.0	1.4	1.0 to 1.8
SSP1-2.6	1.5	1.2 to 1.8	1.7	1.3 to 2.2	1.8	1.3 to 2.4
SSP2-4.5	1.5	1.2 to 1.8	2.0	1.6 to 2.5	2.7	2.1 to 3.5
SSP3-7.0	1.5	1.2 to 1.8	2.1	1.7 to 2.6	3.6	2.8 to 4.6
SSP5-8.5	1.6	1.3 to 1.9	2.4	1.9 to 3.0	4.4	3.3 to 5.7

B.1.2 Based on the assessment of multiple lines of evidence, global warming of 2°C, relative to 1850–1900, would be exceeded during the 21st century under the high and very high GHG emissions scenarios considered in this report (SSP3-7.0 and SSP5-8.5, respectively). Global warming of 2°C would *extremely likely* be exceeded in the intermediate GHG emissions scenario (SSP2-4.5). Under the very low and low GHG emissions scenarios, global warming of 2°C is *extremely unlikely* to be exceeded (SSP1-1.9) or *unlikely* to be exceeded (SSP1-2.6).[25] Crossing the 2°C global warming level in the mid-term period (2041–2060) is *very likely* to occur under the very high GHG emissions scenario (SSP5-8.5), *likely* to occur under the high GHG emissions scenario (SSP3-7.0), and *more likely than not* to occur in the intermediate GHG emissions scenario (SSP2-4.5).[26]
{4.3, Cross-Section Box TS.1} (Table SPM.1, Figure SPM.4, Box SPM.1)

24 Changes in global surface temperature are reported as running 20-year averages, unless stated otherwise.

25 SSP1-1.9 and SSP1-2.6 are scenarios that start in 2015 and have very low and low GHG emissions, respectively, and CO_2 emissions declining to net zero around or after 2050, followed by varying levels of net negative CO_2 emissions.

26 Crossing is defined here as having the assessed global surface temperature change, averaged over a 20-year period, exceed a particular global warming level.

B.1.3 Global warming of 1.5°C relative to 1850–1900 would be exceeded during the 21st century under the intermediate, high and very high GHG emissions scenarios considered in this report (SSP2-4.5, SSP3-7.0 and SSP5-8.5, respectively). Under the five illustrative scenarios, in the near term (2021–2040), the 1.5°C global warming level is *very likely* to be exceeded under the very high GHG emissions scenario (SSP5-8.5), *likely* to be exceeded under the intermediate and high GHG emissions scenarios (SSP2-4.5 and SSP3-7.0), *more likely than not* to be exceeded under the low GHG emissions scenario (SSP1-2.6) and *more likely than not* to be reached under the very low GHG emissions scenario (SSP1-1.9).[27] Furthermore, for the very low GHG emissions scenario (SSP1-1.9), it is *more likely than not* that global surface temperature would decline back to below 1.5°C toward the end of the 21st century, with a temporary overshoot of no more than 0.1°C above 1.5°C global warming.
{4.3, Cross-Section Box TS.1} (Table SPM.1, Figure SPM.4)

B.1.4 Global surface temperature in any single year can vary above or below the long-term human-induced trend, due to substantial natural variability.[28] The occurrence of individual years with global surface temperature change above a certain level, for example 1.5°C or 2°C, relative to 1850–1900 does not imply that this global warming level has been reached.[29]
{Cross-Chapter Box 2.3, 4.3, 4.4, Box 4.1, Cross-Section Box TS.1} (Table SPM.1, Figure SPM.1, Figure SPM.8)

B.2 Many changes in the climate system become larger in direct relation to increasing global warming. They include increases in the frequency and intensity of hot extremes, marine heatwaves, heavy precipitation, and, in some regions, agricultural and ecological droughts; an increase in the proportion of intense tropical cyclones; and reductions in Arctic sea ice, snow cover and permafrost.
{4.3, 4.5, 4.6, 7.4, 8.2, 8.4, Box 8.2, 9.3, 9.5, Box 9.2, 11.1, 11.2, 11.3, 11.4, 11.6, 11.7, 11.9, Cross-Chapter Box 11.1, 12.4, 12.5, Cross-Chapter Box 12.1, Atlas.4, Atlas.5, Atlas.6, Atlas.7, Atlas.8, Atlas.9, Atlas.10, Atlas.11} (Figure SPM.5, Figure SPM.6, Figure SPM.8)

B.2.1 It is *virtually certain* that the land surface will continue to warm more than the ocean surface (*likely* 1.4 to 1.7 times more). It is *virtually certain* that the Arctic will continue to warm more than global surface temperature, with *high confidence* above two times the rate of global warming.
{2.3, 4.3, 4.5, 4.6, 7.4, 11.1, 11.3, 11.9, 12.4, 12.5, Cross-Chapter Box 12.1, Atlas.4, Atlas.5, Atlas.6, Atlas.7, Atlas.8, Atlas.9, Atlas.10, Atlas.11, Cross-Section Box TS.1, TS.2.6} (Figure SPM.5)

B.2.2 With every additional increment of global warming, changes in extremes continue to become larger. For example, every additional 0.5°C of global warming causes clearly discernible increases in the intensity and frequency of hot extremes, including heatwaves (*very likely*), and heavy precipitation (*high confidence*), as well as agricultural and ecological droughts[30] in some regions (*high confidence*). Discernible changes in intensity and frequency of meteorological droughts, with more regions showing increases than decreases, are seen in some regions for every additional 0.5°C of global warming (*medium confidence*). Increases in frequency and intensity of hydrological droughts become larger with increasing global warming in some regions (*medium confidence*). There will be an increasing occurrence of some extreme events unprecedented in the observational record with additional global warming, even at 1.5°C of global warming. Projected percentage changes in frequency are larger for rarer events (*high confidence*).
{8.2, 11.2, 11.3, 11.4, 11.6, 11.9, Cross-Chapter Box 11.1, Cross-Chapter Box 12.1, TS.2.6} (Figure SPM.5, Figure SPM.6)

B.2.3 Some mid-latitude and semi-arid regions, and the South American Monsoon region, are projected to see the highest increase in the temperature of the hottest days, at about 1.5 to 2 times the rate of global warming (*high confidence*). The Arctic is projected to experience the highest increase in the temperature of the coldest days, at about three times the rate of global warming (*high confidence*). With additional global warming, the frequency of marine heatwaves will continue to increase (*high confidence*), particularly in the tropical ocean and the Arctic (*medium confidence*).
{Box 9.2, 11.1, 11.3, 11.9, Cross-Chapter Box 11.1, Cross-Chapter Box 12.1, 12.4, TS.2.4, TS.2.6} (Figure SPM.6)

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27 The AR6 assessment of when a given global warming level is first exceeded benefits from the consideration of the illustrative scenarios, the multiple lines of evidence entering the assessment of future global surface temperature response to radiative forcing, and the improved estimate of historical warming. The AR6 assessment is thus not directly comparable to the SR1.5 SPM, which reported *likely* reaching 1.5°C global warming between 2030 and 2052, from a simple linear extrapolation of warming rates of the recent past. When considering scenarios similar to SSP1-1.9 instead of linear extrapolation, the SR1.5 estimate of when 1.5°C global warming is first exceeded is close to the best estimate reported here.

28 Natural variability refers to climatic fluctuations that occur without any human influence, that is, internal variability combined with the response to external natural factors such as volcanic eruptions, changes in solar activity and, on longer time scales, orbital effects and plate tectonics (Glossary).

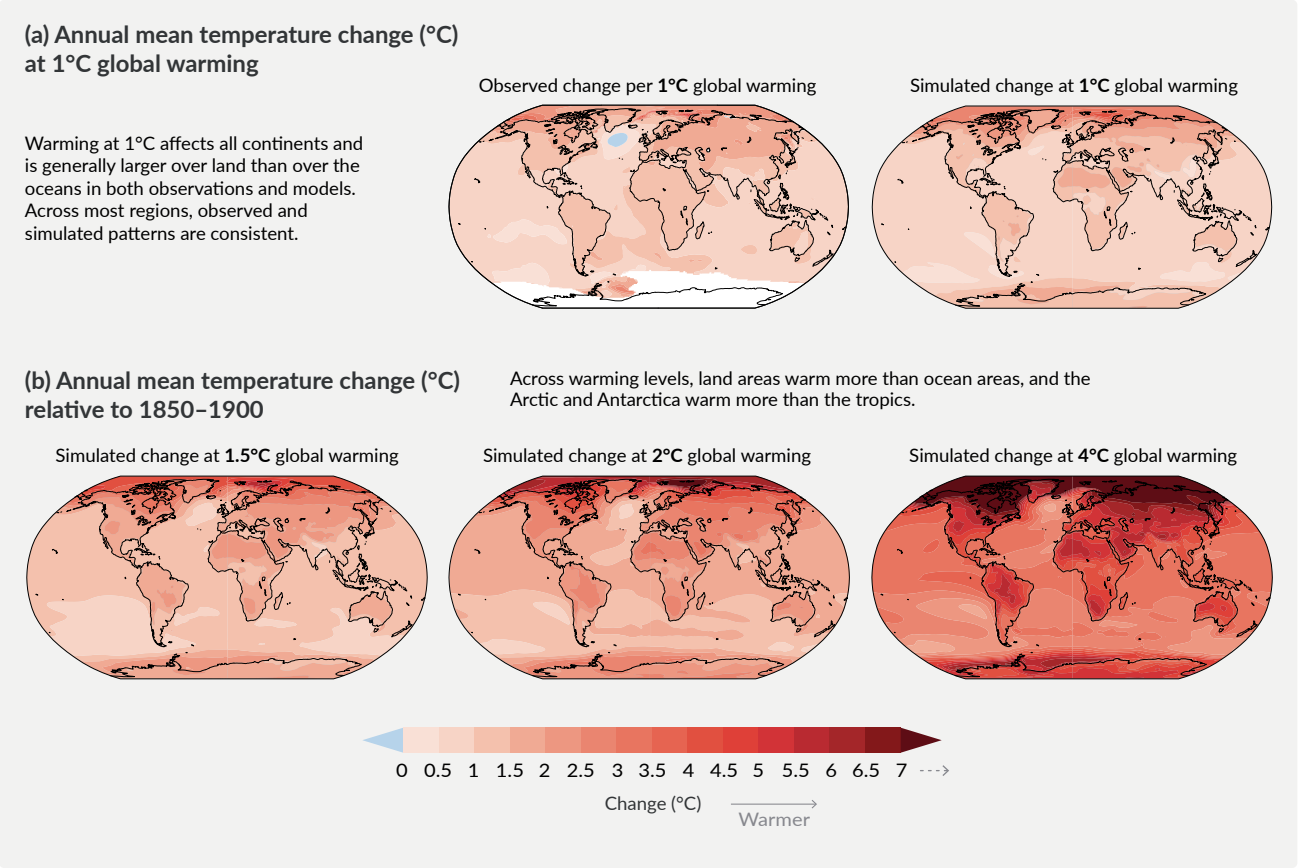
29 The internal variability in any single year is estimated to be about ±0.25°C (5–95% range, *high confidence*).

30 Projected changes in agricultural and ecological droughts are primarily assessed based on total column soil moisture. See footnote 15 for definition and relation to precipitation and evapotranspiration.

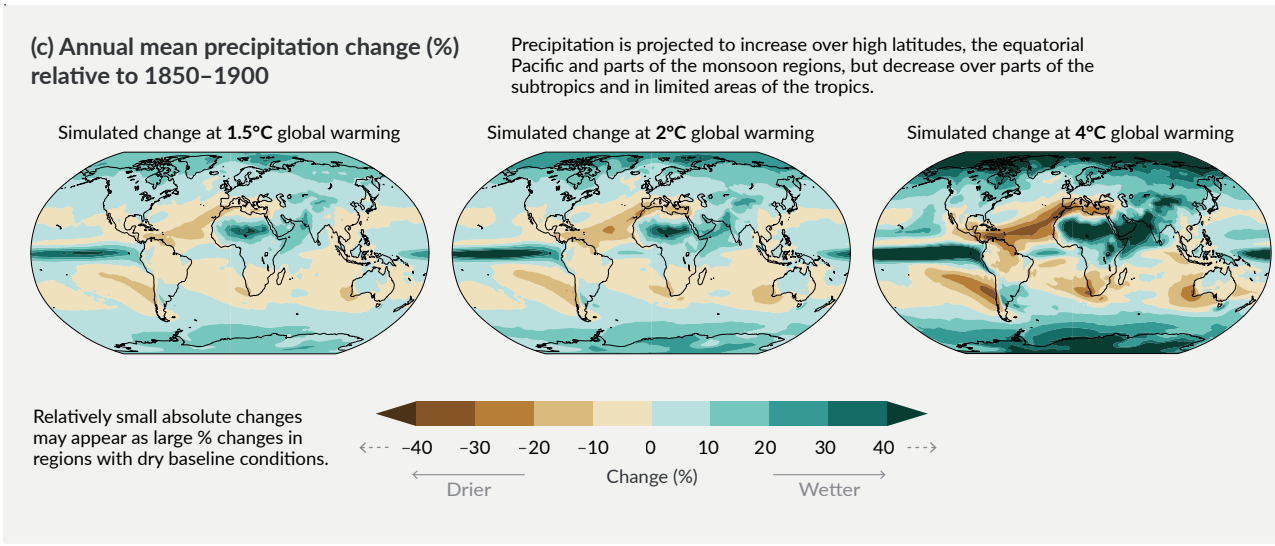
B.2.4 It is *very likely* that heavy precipitation events will intensify and become more frequent in most regions with additional global warming. At the global scale, extreme daily precipitation events are projected to intensify by about 7% for each 1°C of global warming (*high confidence*). The proportion of intense tropical cyclones (Category 4–5) and peak wind speeds of the most intense tropical cyclones are projected to increase at the global scale with increasing global warming (*high confidence*). {8.2, 11.4, 11.7, 11.9, Cross-Chapter Box 11.1, Box TS.6, TS.4.3.1} (Figure SPM.5, Figure SPM.6)

B.2.5 Additional warming is projected to further amplify permafrost thawing and loss of seasonal snow cover, of land ice and of Arctic sea ice (*high confidence*). The Arctic is *likely* to be practically sea ice-free in September[31] at least once before 2050 under the five illustrative scenarios considered in this report, with more frequent occurrences for higher warming levels. There is *low confidence* in the projected decrease of Antarctic sea ice. {4.3, 4.5, 7.4, 8.2, 8.4, Box 8.2, 9.3, 9.5, 12.4, Cross-Chapter Box 12.1, Atlas.5, Atlas.6, Atlas.8, Atlas.9, Atlas.11, TS.2.5} (Figure SPM.8)

With every increment of global warming, changes get larger in regional mean temperature, precipitation and soil moisture



31 Monthly average sea ice area of less than 1 million km², which is about 15% of the average September sea ice area observed in 1979–1988.



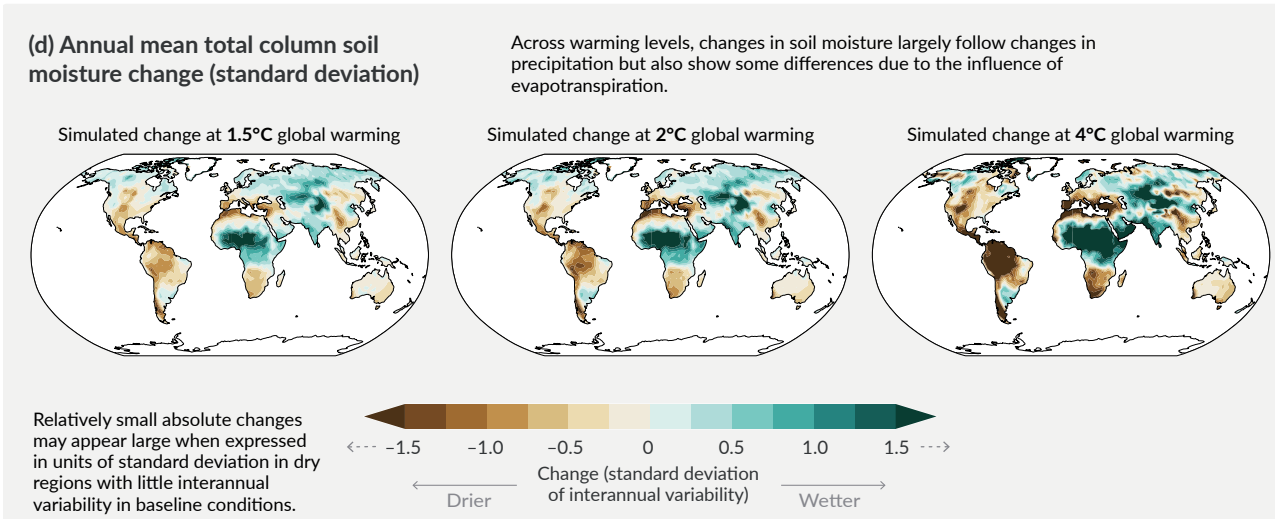


Figure SPM.5 | Changes in annual mean surface temperature, precipitation, and soil moisture

Panel (a) Comparison of observed and simulated annual mean surface temperature change. The **left map** shows the observed changes in annual mean surface temperature in the period 1850–2020 per °C of global warming (°C). The local (i.e., grid point) observed annual mean surface temperature changes are linearly regressed against the global surface temperature in the period 1850–2020. Observed temperature data are from Berkeley Earth, the dataset with the largest coverage and highest horizontal resolution. Linear regression is applied to all years for which data at the corresponding grid point is available. The regression method was used to take into account the complete observational time series and thereby reduce the role of internal variability at the grid point level. White indicates areas where time coverage was 100 years or less and thereby too short to calculate a reliable linear regression. The **right map** is based on model simulations and shows change in annual multi-model mean simulated temperatures at a global warming level of 1°C (20-year mean global surface temperature change relative to 1850–1900). The triangles at each end of the colour bar indicate out-of-bound values, that is, values above or below the given limits.

Panel (b) Simulated annual mean temperature change (°C), panel (c) precipitation change (%), and panel (d) total column soil moisture change (standard deviation of interannual variability) at global warming levels of 1.5°C, 2°C and 4°C (20-year mean global surface temperature change relative to 1850–1900). Simulated changes correspond to Coupled Model Intercomparison Project Phase 6 (CMIP6) multi-model mean change (median change for soil moisture) at the corresponding global warming level, that is, the same method as for the right map in panel (a).

In **panel (c)**, high positive percentage changes in dry regions may correspond to small absolute changes. In **panel (d)**, the unit is the standard deviation of interannual variability in soil moisture during 1850–1900. Standard deviation is a widely used metric in characterizing drought severity. A projected reduction in mean soil moisture by one standard deviation corresponds to soil moisture conditions typical of droughts that occurred about once every six years during 1850–1900. In panel (d), large changes in dry regions with little interannual variability in the baseline conditions can correspond to small absolute change. The triangles at each end of the colour bars indicate out-of-bound values, that is, values above or below the given limits. Results from all models reaching the corresponding warming level in any of the five illustrative scenarios (SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0 and SSP5-8.5) are averaged. Maps of annual mean temperature and precipitation changes at a global warming level of 3°C are available in Figure 4.31 and Figure 4.32 in Section 4.6. Corresponding maps of panels (b), (c) and (d), including hatching to indicate the level of model agreement at grid-cell level, are found in Figures 4.31, 4.32 and 11.19, respectively; as highlighted in Cross-Chapter Box Atlas.1, grid-cell level hatching is not informative for larger spatial scales (e.g., over AR6 reference regions) where the aggregated signals are less affected by small-scale variability, leading to an increase in robustness.

{Figure 1.14, 4.6.1, Cross-Chapter Box 11.1, Cross-Chapter Box Atlas.1, TS.1.3.2, Figures TS.3 and TS.5}

Projected changes in extremes are larger in frequency and intensity with every additional increment of global warming

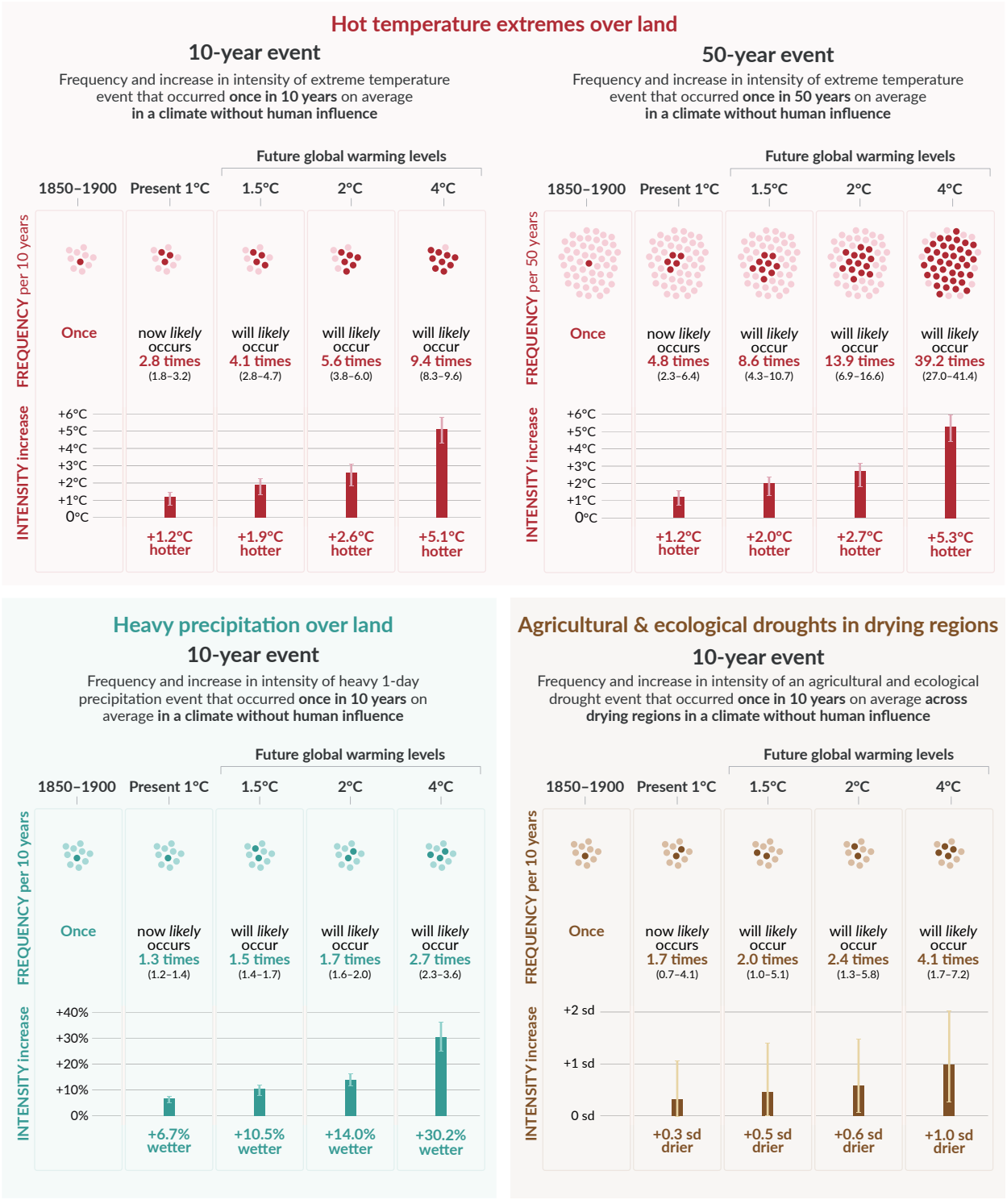


Figure SPM.6 | Projected changes in the intensity and frequency of hot temperature extremes over land, extreme precipitation over land, and agricultural and ecological droughts in drying regions

Projected changes are shown at global warming levels of 1°C, 1.5°C, 2°C, and 4°C and are relative to 1850–1900,[9] representing a climate without human influence. The figure depicts frequencies and increases in intensity of 10- or 50-year extreme events from the base period (1850–1900) under different global warming levels.

Hot temperature extremes are defined as the daily maximum temperatures over land that were exceeded on average once in a decade (10-year event) or once in 50 years (50-year event) during the 1850–1900 reference period. **Extreme precipitation events** are defined as the daily precipitation amount over land that

was exceeded on average once in a decade during the 1850–1900 reference period. **Agricultural and ecological drought events** are defined as the annual average of total column soil moisture below the 10th percentile of the 1850–1900 base period. These extremes are defined on model grid box scale. For hot temperature extremes and extreme precipitation, results are shown for the global land. For agricultural and ecological drought, results are shown for drying regions only, which correspond to the AR6 regions in which there is at least *medium confidence* in a projected increase in agricultural and ecological droughts at the 2°C warming level compared to the 1850–1900 base period in the Coupled Model Intercomparison Project Phase 6 (CMIP6). These regions include Western North America, Central North America, Northern Central America, Southern Central America, Caribbean, Northern South America, North-Eastern South America, South American Monsoon, South-Western South America, Southern South America, Western and Central Europe, Mediterranean, West Southern Africa, East Southern Africa, Madagascar, Eastern Australia, and Southern Australia (Caribbean is not included in the calculation of the figure because of the too-small number of full land grid cells). The non-drying regions do not show an overall increase or decrease in drought severity. Projections of changes in agricultural and ecological droughts in the CMIP Phase 5 (CMIP5) multi-model ensemble differ from those in CMIP6 in some regions, including in parts of Africa and Asia. Assessments of projected changes in meteorological and hydrological droughts are provided in Chapter 11.

In the **'frequency' section**, each year is represented by a dot. The dark dots indicate years in which the extreme threshold is exceeded, while light dots are years when the threshold is not exceeded. Values correspond to the medians (in bold) and their respective 5–95% range based on the multi-model ensemble from simulations of CMIP6 under different Shared Socio-economic Pathway scenarios. For consistency, the number of dark dots is based on the rounded-up median. In the **'intensity' section**, medians and their 5–95% range, also based on the multi-model ensemble from simulations of CMIP6, are displayed as dark and light bars, respectively. Changes in the intensity of hot temperature extremes and extreme precipitation are expressed as degree Celsius and percentage. As for agricultural and ecological drought, intensity changes are expressed as fractions of standard deviation of annual soil moisture.

{11.1; 11.3; 11.4; 11.6; 11.9; Figures 11.12, 11.15, 11.6, 11.7, and 11.18}

B.3 Continued global warming is projected to further intensify the global water cycle, including its variability, global monsoon precipitation and the severity of wet and dry events. {4.3, 4.4, 4.5, 4.6, 8.2, 8.3, 8.4, 8.5, Box 8.2, 11.4, 11.6, 11.9, 12.4, Atlas.3} (Figure SPM.5, Figure SPM.6)

B.3.1 There is strengthened evidence since AR5 that the global water cycle will continue to intensify as global temperatures rise (*high confidence*), with precipitation and surface water flows projected to become more variable over most land regions within seasons (*high confidence*) and from year to year (*medium confidence*). The average annual global land precipitation is projected to increase by 0–5% under the very low GHG emissions scenario (SSP1-1.9), 1.5–8% for the intermediate GHG emissions scenario (SSP2-4.5) and 1–13% under the very high GHG emissions scenario (SSP5-8.5) by 2081–2100 relative to 1995–2014 (*likely* ranges). Precipitation is projected to increase over high latitudes, the equatorial Pacific and parts of the monsoon regions, but decrease over parts of the subtropics and limited areas in the tropics in SSP2-4.5, SSP3-7.0 and SSP5-8.5 (*very likely*). The portion of the global land experiencing detectable increases or decreases in seasonal mean precipitation is projected to increase (*medium confidence*). There is *high confidence* in an earlier onset of spring snowmelt, with higher peak flows at the expense of summer flows in snow-dominated regions globally.
{4.3, 4.5, 4.6, 8.2, 8.4, Atlas.3, TS.2.6, TS.4.3, Box TS.6} (Figure SPM.5)

B.3.2 A warmer climate will intensify very wet and very dry weather and climate events and seasons, with implications for flooding or drought (*high confidence*), but the location and frequency of these events depend on projected changes in regional atmospheric circulation, including monsoons and mid-latitude storm tracks. It is *very likely* that rainfall variability related to the El Niño–Southern Oscillation is projected to be amplified by the second half of the 21st century in the SSP2-4.5, SSP3-7.0 and SSP5-8.5 scenarios.
{4.3, 4.5, 4.6, 8.2, 8.4, 8.5, 11.4, 11.6, 11.9, 12.4, TS.2.6, TS.4.2, Box TS.6} (Figure SPM.5, Figure SPM.6)

B.3.3 Monsoon precipitation is projected to increase in the mid- to long term at the global scale, particularly over South and South East Asia, East Asia and West Africa apart from the far west Sahel (*high confidence*). The monsoon season is projected to have a delayed onset over North and South America and West Africa (*high confidence*) and a delayed retreat over West Africa (*medium confidence*).
{4.4, 4.5, 8.2, 8.3, 8.4, Box 8.2, Box TS.13}

B.3.4 A projected southward shift and intensification of Southern Hemisphere summer mid-latitude storm tracks and associated precipitation is *likely* in the long term under high GHG emissions scenarios (SSP3-7.0, SSP5-8.5), but in the near term the effect of stratospheric ozone recovery counteracts these changes (*high confidence*). There is *medium confidence* in a continued poleward shift of storms and their precipitation in the North Pacific, while there is *low confidence* in projected changes in the North Atlantic storm tracks.
{4.4, 4.5, 8.4, TS.2.3, TS.4.2}

B.4 Under scenarios with increasing CO_2 emissions, the ocean and land carbon sinks are projected to be less effective at slowing the accumulation of CO_2 in the atmosphere. {4.3, 5.2, 5.4, 5.5, 5.6} (Figure SPM.7)

B.4.1 While natural land and ocean carbon sinks are projected to take up, in absolute terms, a progressively larger amount of CO_2 under higher compared to lower CO_2 emissions scenarios, they become less effective, that is, the proportion of emissions taken up by land and ocean decrease with increasing cumulative CO_2 emissions. This is projected to result in a higher proportion of emitted CO_2 remaining in the atmosphere (*high confidence*).
{5.2, 5.4, Box TS.5} (Figure SPM.7)

B.4.2 Based on model projections, under the intermediate GHG emissions scenario that stabilizes atmospheric CO_2 concentrations this century (SSP2-4.5), the rates of CO_2 taken up by the land and ocean are projected to decrease in the second half of the 21st century (*high confidence*). Under the very low and low GHG emissions scenarios (SSP1-1.9, SSP1-2.6), where CO_2 concentrations peak and decline during the 21st century, the land and ocean begin to take up less carbon in response to declining atmospheric CO_2 concentrations (*high confidence*) and turn into a weak net source by 2100 under SSP1-1.9 (*medium confidence*). It is *very unlikely* that the combined global land and ocean sink will turn into a source by 2100 under scenarios without net negative emissions (SSP2-4.5, SSP3-7.0, SSP5-8.5).[32]
{4.3, 5.4, 5.5, 5.6, Box TS.5, TS.3.3}

B.4.3 The magnitude of feedbacks between climate change and the carbon cycle becomes larger but also more uncertain in high CO_2 emissions scenarios (*very high confidence*). However, climate model projections show that the uncertainties in atmospheric CO_2 concentrations by 2100 are dominated by the differences between emissions scenarios (*high confidence*). Additional ecosystem responses to warming not yet fully included in climate models, such as CO_2 and CH_4 fluxes from wetlands, permafrost thaw and wildfires, would further increase concentrations of these gases in the atmosphere (*high confidence*).
{5.4, Box TS.5, TS.3.2}

The proportion of CO_2 emissions taken up by land and ocean carbon sinks is smaller in scenarios with higher cumulative CO_2 emissions

Total cumulative CO_2 emissions **taken up by land and ocean** (colours) and remaining in the atmosphere (grey) under the five illustrative scenarios from 1850 to 2100

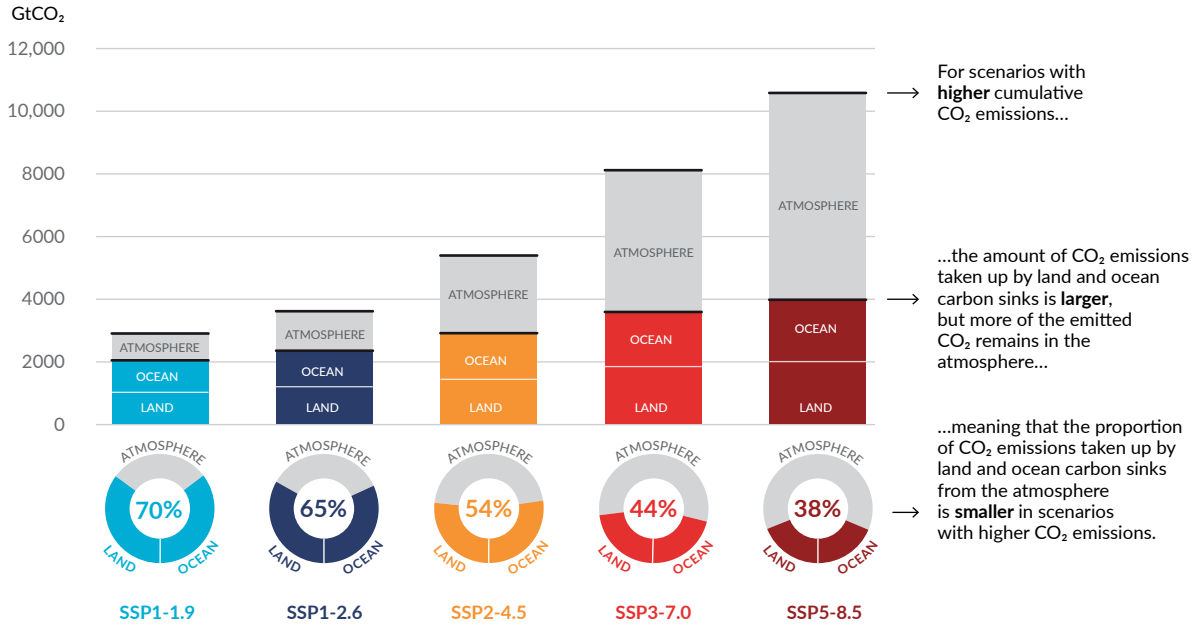


Figure SPM.7 | Cumulative anthropogenic CO_2 emissions taken up by land and ocean sinks by 2100 under the five illustrative scenarios

The cumulative anthropogenic (human-caused) carbon dioxide (CO_2) emissions taken up by the land and ocean sinks under the five illustrative scenarios (SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0 and SSP5-8.5) are simulated from 1850 to 2100 by Coupled Model Intercomparison Project Phase 6 (CMIP6) climate models in the concentration-driven simulations. Land and ocean carbon sinks respond to past, current and future emissions; therefore, cumulative sinks from 1850 to 2100 are presented here. During the historical period (1850–2019) the observed land and ocean sink took up 1430 $GtCO_2$ (59% of the emissions).

32 These projected adjustments of carbon sinks to stabilization or decline of atmospheric CO_2 are accounted for in calculations of remaining carbon budgets.

The bar chart illustrates the projected amount of cumulative anthropogenic CO_2 emissions ($GtCO_2$) between 1850 and 2100 remaining in the atmosphere (grey part) and taken up by the land and ocean (coloured part) in the year 2100. **The doughnut chart** illustrates the proportion of the cumulative anthropogenic CO_2 emissions taken up by the land and ocean sinks and remaining in the atmosphere in the year 2100. Values in % indicate the proportion of the cumulative anthropogenic CO_2 emissions taken up by the combined land and ocean sinks in the year 2100. The overall anthropogenic carbon emissions are calculated by adding the net global land-use emissions from the CMIP6 scenario database to the other sectoral emissions calculated from climate model runs with prescribed CO_2 concentrations.[33] Land and ocean CO_2 uptake since 1850 is calculated from the net biome productivity on land, corrected for CO_2 losses due to land-use change by adding the land-use change emissions, and net ocean CO_2 flux.

{5.2.1; Table 5.1; 5.4.5; Figure 5.25; Box TS.5; Box TS.5, Figure 1}

B.5 Many changes due to past and future greenhouse gas emissions are irreversible for centuries to millennia, especially changes in the ocean, ice sheets and global sea level. {2.3, Cross-Chapter Box 2.4, 4.3, 4.5, 4.7, 5.3, 9.2, 9.4, 9.5, 9.6, Box 9.4} (Figure SPM.8)

B.5.1 Past GHG emissions since 1750 have committed the global ocean to future warming (*high confidence*). Over the rest of the 21st century, *likely* ocean warming ranges from 2–4 (SSP1-2.6) to 4–8 times (SSP5-8.5) the 1971–2018 change. Based on multiple lines of evidence, upper ocean stratification (*virtually certain*), ocean acidification (*virtually certain*) and ocean deoxygenation (*high confidence*) will continue to increase in the 21st century, at rates dependent on future emissions. Changes are irreversible on centennial to millennial time scales in global ocean temperature (*very high confidence*), deep-ocean acidification (*very high confidence*) and deoxygenation (*medium confidence*).
{4.3, 4.5, 4.7, 5.3, 9.2, TS.2.4} (Figure SPM.8)

B.5.2 Mountain and polar glaciers are committed to continue melting for decades or centuries (*very high confidence*). Loss of permafrost carbon following permafrost thaw is irreversible at centennial time scales (*high confidence*). Continued ice loss over the 21st century is *virtually certain* for the Greenland Ice Sheet and *likely* for the Antarctic Ice Sheet. There is *high confidence* that total ice loss from the Greenland Ice Sheet will increase with cumulative emissions. There is *limited evidence* for low-likelihood, high-impact outcomes (resulting from ice-sheet instability processes characterized by deep uncertainty and in some cases involving tipping points) that would strongly increase ice loss from the Antarctic Ice Sheet for centuries under high GHG emissions scenarios.[34]
{4.3, 4.7, 5.4, 9.4, 9.5, Box 9.4, Box TS.1, TS.2.5}

B.5.3 It is *virtually certain* that global mean sea level will continue to rise over the 21st century. Relative to 1995–2014, the *likely* global mean sea level rise by 2100 is 0.28–0.55 m under the very low GHG emissions scenario (SSP1-1.9); 0.32–0.62 m under the low GHG emissions scenario (SSP1-2.6); 0.44–0.76 m under the intermediate GHG emissions scenario (SSP2-4.5); and 0.63–1.01 m under the very high GHG emissions scenario (SSP5-8.5); and by 2150 is 0.37–0.86 m under the very low scenario (SSP1-1.9); 0.46–0.99 m under the low scenario (SSP1-2.6); 0.66–1.33 m under the intermediate scenario (SSP2-4.5); and 0.98–1.88 m under the very high scenario (SSP5-8.5) (*medium confidence*).[35] Global mean sea level rise above the *likely* range – approaching 2 m by 2100 and 5 m by 2150 under a very high GHG emissions scenario (SSP5-8.5) (*low confidence*) – cannot be ruled out due to deep uncertainty in ice-sheet processes.
{4.3, 9.6, Box 9.4, Box TS.4} (Figure SPM.8)

B.5.4 In the longer term, sea level is committed to rise for centuries to millennia due to continuing deep-ocean warming and ice-sheet melt and will remain elevated for thousands of years (*high confidence*). Over the next 2000 years, global mean sea level will rise by about 2 to 3 m if warming is limited to 1.5°C, 2 to 6 m if limited to 2°C and 19 to 22 m with 5°C of warming, and it will continue to rise over subsequent millennia (*low confidence*). Projections of multi-millennial global mean sea level rise are consistent with reconstructed levels during past warm climate periods: *likely* 5–10 m higher than today around 125,000 years ago, when global temperatures were *very likely* 0.5°C–1.5°C higher than 1850–1900; and *very likely* 5–25 m higher roughly 3 million years ago, when global temperatures were 2.5°C–4°C higher (*medium confidence*).
{2.3, Cross-Chapter Box 2.4, 9.6, Box TS.2, Box TS.4, Box TS.9}

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33 The other sectoral emissions are calculated as the residual of the net land and ocean CO_2 uptake and the prescribed atmospheric CO_2 concentration changes in the CMIP6 simulations. These calculated emissions are net emissions and do not separate gross anthropogenic emissions from removals, which are included implicitly.

34 Low-likelihood, high-impact outcomes are those whose probability of occurrence is low or not well known (as in the context of deep uncertainty) but whose potential impacts on society and ecosystems could be high. A tipping point is a critical threshold beyond which a system reorganizes, often abruptly and/or irreversibly. (Glossary) {1.4, Cross-Chapter Box 1.3, 4.7}

35 To compare to the 1986–2005 baseline period used in AR5 and SROCC, add 0.03 m to the global mean sea level rise estimates. To compare to the 1900 baseline period used in Figure SPM.8, add 0.16 m.

Human activities affect all the major climate system components, with some responding over decades and others over centuries

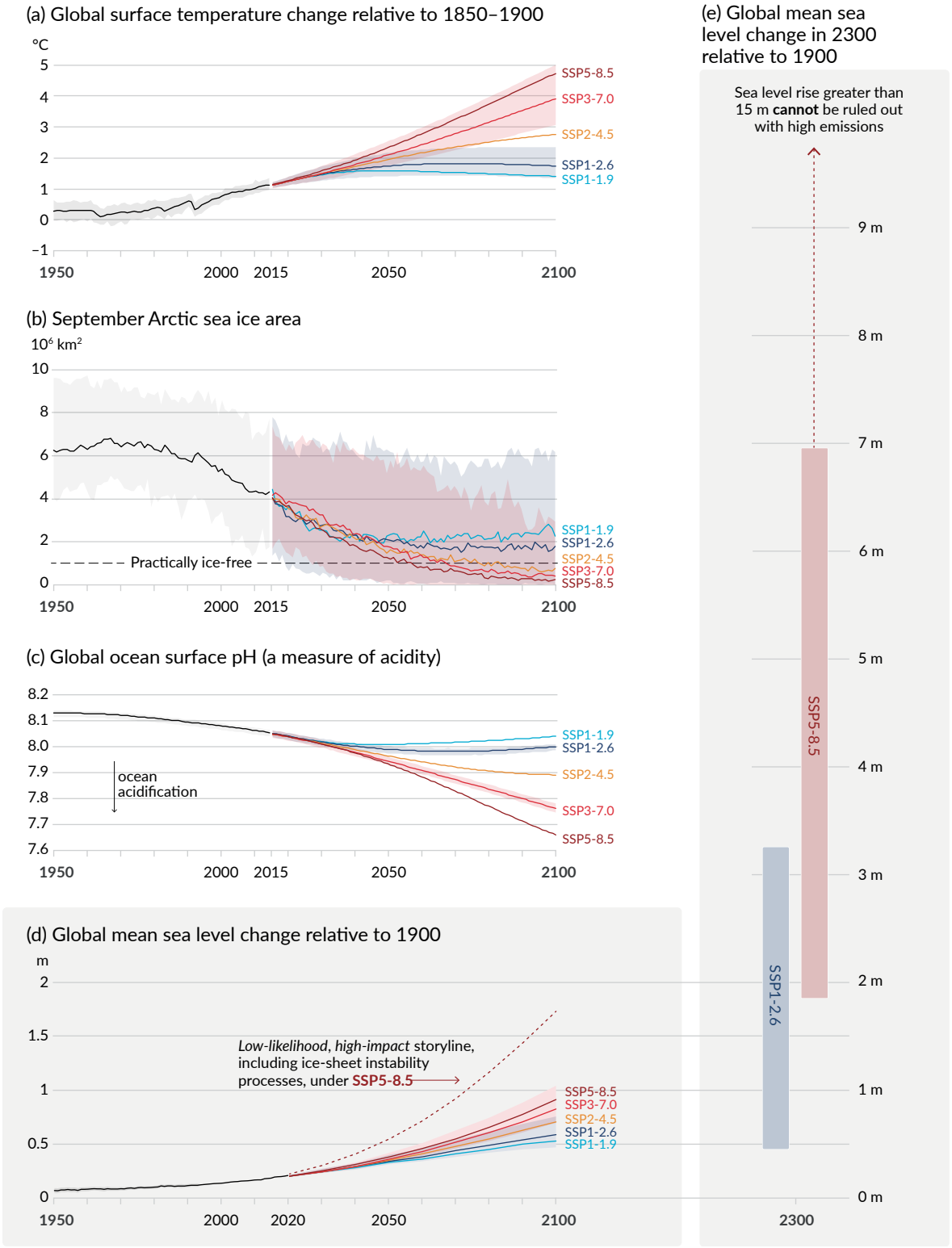

Figure SPM.8 | Selected indicators of global climate change under the five illustrative scenarios used in this Report

The projections for each of the five scenarios are shown in colour. Shades represent uncertainty ranges – more detail is provided for each panel below. The black curves represent the historical simulations (panels a, b, c) or the observations (panel d). Historical values are included in all graphs to provide context for the projected future changes.

Panel (a) Global surface temperature changes in °C relative to 1850–1900. These changes were obtained by combining Coupled Model Intercomparison Project Phase 6 (CMIP6) model simulations with observational constraints based on past simulated warming, as well as an updated assessment of equilibrium climate sensitivity (see Box SPM.1). Changes relative to 1850–1900 based on 20-year averaging periods are calculated by adding 0.85°C (the observed global surface temperature increase from 1850–1900 to 1995–2014) to simulated changes relative to 1995–2014. *Very likely* ranges are shown for SSP1-2.6 and SSP3-7.0.

Panel (b) September Arctic sea ice area in 10^6 km^2 based on CMIP6 model simulations. *Very likely* ranges are shown for SSP1-2.6 and SSP3-7.0. The Arctic is projected to be practically ice-free near mid-century under intermediate and high GHG emissions scenarios.

Panel (c) Global ocean surface pH (a measure of acidity) based on CMIP6 model simulations. *Very likely* ranges are shown for SSP1-2.6 and SSP3-7.0.

Panel (d) Global mean sea level change in metres, relative to 1900. The historical changes are observed (from tide gauges before 1992 and altimeters afterwards), and the future changes are assessed consistently with observational constraints based on emulation of CMIP, ice-sheet, and glacier models. *Likely* ranges are shown for SSP1-2.6 and SSP3-7.0. Only *likely* ranges are assessed for sea level changes due to difficulties in estimating the distribution of deeply uncertain processes. The dashed curve indicates the potential impact of these deeply uncertain processes. It shows the 83rd percentile of SSP5-8.5 projections that include low-likelihood, high-impact ice-sheet processes that cannot be ruled out; because of *low confidence* in projections of these processes, this curve does not constitute part of a *likely* range. Changes relative to 1900 are calculated by adding 0.158 m (observed global mean sea level rise from 1900 to 1995–2014) to simulated and observed changes relative to 1995–2014.

Panel (e) Global mean sea level change at 2300 in metres relative to 1900. Only SSP1-2.6 and SSP5-8.5 are projected at 2300, as simulations that extend beyond 2100 for the other scenarios are too few for robust results. The 17th–83rd percentile ranges are shaded. The dashed arrow illustrates the 83rd percentile of SSP5-8.5 projections that include low-likelihood, high-impact ice-sheet processes that cannot be ruled out.

Panels (b) and (c) are based on single simulations from each model, and so include a component of internal variability. Panels (a), (d) and (e) are based on long-term averages, and hence the contributions from internal variability are small.

{4.3; Figures 4.2, 4.8, and 4.11; 9.6; Figure 9.27; Figures TS.8 and TS.11; Box TS.4, Figure 1}

C. Climate Information for Risk Assessment and Regional Adaptation

Physical climate information addresses how the climate system responds to the interplay between human influence, natural drivers and internal variability. Knowledge of the climate response and the range of possible outcomes, including low-likelihood, high impact outcomes, informs climate services, the assessment of climate-related risks, and adaptation planning. Physical climate information at global, regional and local scales is developed from multiple lines of evidence, including observational products, climate model outputs and tailored diagnostics.

C.1 Natural drivers and internal variability will modulate human-caused changes, especially at regional scales and in the near term, with little effect on centennial global warming. These modulations are important to consider in planning for the full range of possible changes.

{1.4, 2.2, 3.3, Cross-Chapter Box 3.1, 4.4, 4.6, Cross-Chapter Box 4.1, Box 7.2, 8.3, 8.5, 9.2, 10.3, 10.4, 10.6, 11.3, 12.5, Atlas.4, Atlas.5, Atlas.8, Atlas.9, Atlas.10, Atlas.11, Cross-Chapter Box Atlas.2}

C.1.1 The historical global surface temperature record highlights that decadal variability has both enhanced and masked underlying human-caused long-term changes, and this variability will continue into the future (*very high confidence*). For example, internal decadal variability and variations in solar and volcanic drivers partially masked human-caused surface global warming during 1998–2012, with pronounced regional and seasonal signatures (*high confidence*). Nonetheless, the heating of the climate system continued during this period, as reflected in both the continued warming of the global ocean (*very high confidence*) and in the continued rise of hot extremes over land (*medium confidence*).
{1.4, 3.3, Cross-Chapter Box 3.1, 4.4, Box 7.2, 9.2, 11.3, Cross-Section Box TS.1} (Figure SPM.1)

C.1.2 Projected human-caused changes in mean climate and climatic impact-drivers (CIDs),[36] including extremes, will be either amplified or attenuated by internal variability (*high confidence*).[37] Near-term cooling at any particular location with respect to present climate could occur and would be consistent with the global surface temperature increase due to human influence (*high confidence*).
{1.4, 4.4, 4.6, 10.4, 11.3, 12.5, Atlas.5, Atlas.10, Atlas.11, TS.4.2}

36 Climatic impact-drivers (CIDs) are physical climate system conditions (e.g., means, events, extremes) that affect an element of society or ecosystems. Depending on system tolerance, CIDs and their changes can be detrimental, beneficial, neutral, or a mixture of each across interacting system elements and regions (Glossary). CID types include heat and cold, wet and dry, wind, snow and ice, coastal and open ocean.

37 The main internal variability phenomena include El Niño–Southern Oscillation, Pacific Decadal Variability and Atlantic Multi-decadal Variability through their regional influence.

C.1.3 Internal variability has largely been responsible for the amplification and attenuation of the observed human-caused decadal-to-multi-decadal mean precipitation changes in many land regions (*high confidence*). At global and regional scales, near-term changes in monsoons will be dominated by the effects of internal variability (*medium confidence*). In addition to the influence of internal variability, near-term projected changes in precipitation at global and regional scales are uncertain because of model uncertainty and uncertainty in forcings from natural and anthropogenic aerosols (*medium confidence*).
{1.4, 4.4, 8.3, 8.5, 10.3, 10.4, 10.5, 10.6, Atlas.4, Atlas.8, Atlas.9, Atlas.10, Atlas.11, Cross-Chapter Box Atlas.2, TS.4.2, Box TS.6, Box TS.13}

C.1.4 Based on paleoclimate and historical evidence, it is *likely* that at least one large explosive volcanic eruption would occur during the 21st century.[38] Such an eruption would reduce global surface temperature and precipitation, especially over land, for one to three years, alter the global monsoon circulation, modify extreme precipitation and change many CIDs (*medium confidence*). If such an eruption occurs, this would therefore temporarily and partially mask human-caused climate change.
{2.2, 4.4, Cross-Chapter Box 4.1, 8.5, TS.2.1}

C.2 With further global warming, every region is projected to increasingly experience concurrent and multiple changes in climatic impact-drivers. Changes in several climatic impact-drivers would be more widespread at 2°C compared to 1.5°C global warming and even more widespread and/or pronounced for higher warming levels.
{8.2, 9.3, 9.5, 9.6, Box 10.3, 11.3, 11.4, 11.5, 11.6, 11.7, 11.9, Box 11.3, Box 11.4, Cross-Chapter Box 11.1, 12.2, 12.3, 12.4, 12.5, Cross-Chapter Box 12.1, Atlas.4, Atlas.5, Atlas.6, Atlas.7, Atlas.8, Atlas.9, Atlas.10, Atlas.11} (Table SPM.1, Figure SPM.9)

C.2.1 All regions[39] are projected to experience further increases in hot climatic impact-drivers (CIDs) and decreases in cold CIDs (*high confidence*). Further decreases are projected in permafrost; snow, glaciers and ice sheets; and lake and Arctic sea ice (*medium* to *high confidence*).[40] These changes would be larger at 2°C global warming or above than at 1.5°C (*high confidence*). For example, extreme heat thresholds relevant to agriculture and health are projected to be exceeded more frequently at higher global warming levels (*high confidence*).
{9.3, 9.5, 11.3, 11.9, Cross-Chapter Box 11.1, 12.3, 12.4, 12.5, Cross-Chapter Box 12.1, Atlas.4, Atlas.5, Atlas.6, Atlas.7, Atlas.8, Atlas.9, Atlas.10, Atlas.11, TS.4.3} (Table SPM.1, Figure SPM.9)

C.2.2 At 1.5°C global warming, heavy precipitation and associated flooding are projected to intensify and be more frequent in most regions in Africa and Asia (*high confidence*), North America (*medium* to *high confidence*)[40] and Europe (*medium confidence*). Also, more frequent and/or severe agricultural and ecological droughts are projected in a few regions in all inhabited continents except Asia compared to 1850–1900 (*medium confidence*); increases in meteorological droughts are also projected in a few regions (*medium confidence*). A small number of regions are projected to experience increases or decreases in mean precipitation (*medium confidence*).
{11.4, 11.5, 11.6, 11.9, Atlas.4, Atlas.5, Atlas.7, Atlas.8, Atlas.9, Atlas.10, Atlas.11, TS.4.3} (Table SPM.1)

C.2.3 At 2°C global warming and above, the level of confidence in and the magnitude of the change in droughts and heavy and mean precipitation increase compared to those at 1.5°C. Heavy precipitation and associated flooding events are projected to become more intense and frequent in the Pacific Islands and across many regions of North America and Europe (*medium* to *high confidence*).[40] These changes are also seen in some regions in Australasia and Central and South America (*medium confidence*). Several regions in Africa, South America and Europe are projected to experience an increase in frequency and/or severity of agricultural and ecological droughts with *medium* to *high confidence*;[40] increases are also projected in Australasia, Central and North America, and the Caribbean with *medium confidence*. A small number of regions in Africa, Australasia, Europe and North America are also projected to be affected by increases in hydrological droughts, and several regions are projected to be affected by increases or decreases in meteorological droughts, with more regions displaying an increase (*medium confidence*). Mean precipitation is projected to increase in all polar, northern European and northern North American regions, most Asian regions and two regions of South America (*high confidence*).
{11.4, 11.6, 11.9, Cross-Chapter Box 11.1, 12.4, 12.5, Cross-Chapter Box 12.1, Atlas.5, Atlas.7, Atlas.8, Atlas.9, Atlas.11, TS.4.3} (Table SPM.1, Figure SPM.5, Figure SPM.6, Figure SPM.9)

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38 Based on 2500 year reconstructions, eruptions more negative than –1 W m^{-2} occur on average twice per century.

39 Regions here refer to the AR6 WGI reference regions used in this Report to summarize information in sub-continental and oceanic regions. Changes are compared to averages over the last 20–40 years unless otherwise specified. {1.4, 12.4, Atlas.1}.

40 The specific level of confidence or likelihood depends on the region considered. Details can be found in the Technical Summary and the underlying Report.

C.2.4 More CIDs across more regions are projected to change at 2°C and above compared to 1.5°C global warming (*high confidence*). Region-specific changes include intensification of tropical cyclones and/or extratropical storms (*medium confidence*), increases in river floods (*medium* to *high confidence*),[40] reductions in mean precipitation and increases in aridity (*medium* to *high confidence*),[40] and increases in fire weather (*medium* to *high confidence*).[40] There is *low confidence* in most regions in potential future changes in other CIDs, such as hail, ice storms, severe storms, dust storms, heavy snowfall and landslides.
{11.7, 11.9, Cross-Chapter Box 11.1, 12.4, 12.5, Cross-Chapter Box 12.1, Atlas.4, Atlas.6, Atlas.7, Atlas.8, Atlas.10, TS.4.3.1, TS.4.3.2, TS.5} (Table SPM.1, Figure SPM.9)

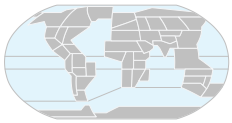
C.2.5 It is *very likely* to *virtually certain*[40] that regional mean relative sea level rise will continue throughout the 21st century, except in a few regions with substantial geologic land uplift rates. Approximately two-thirds of the global coastline has a projected regional relative sea level rise within ±20% of the global mean increase (*medium confidence*). Due to relative sea level rise, extreme sea level events that occurred once per century in the recent past are projected to occur at least annually at more than half of all tide gauge locations by 2100 (*high confidence*). Relative sea level rise contributes to increases in the frequency and severity of coastal flooding in low-lying areas and to coastal erosion along most sandy coasts (*high confidence*).
{9.6, 12.4, 12.5, Cross-Chapter Box 12.1, Box TS.4, TS.4.3} (Figure SPM.9)

C.2.6 Cities intensify human-induced warming locally, and further urbanization together with more frequent hot extremes will increase the severity of heatwaves (*very high confidence*). Urbanization also increases mean and heavy precipitation over and/or downwind of cities (*medium confidence*) and resulting runoff intensity (*high confidence*). In coastal cities, the combination of more frequent extreme sea level events (due to sea level rise and storm surge) and extreme rainfall/riverflow events will make flooding more probable (*high confidence*).
{8.2, Box 10.3, 11.3, 12.4, Box TS.14}

C.2.7 Many regions are projected to experience an increase in the probability of compound events with higher global warming (*high confidence*). In particular, concurrent heatwaves and droughts are *likely* to become more frequent. Concurrent extremes at multiple locations, including in crop-producing areas, become more frequent at 2°C and above compared to 1.5°C global warming (*high confidence*).
{11.8, Box 11.3, Box 11.4, 12.3, 12.4, Cross-Chapter Box 12.1, TS.4.3} (Table SPM.1)

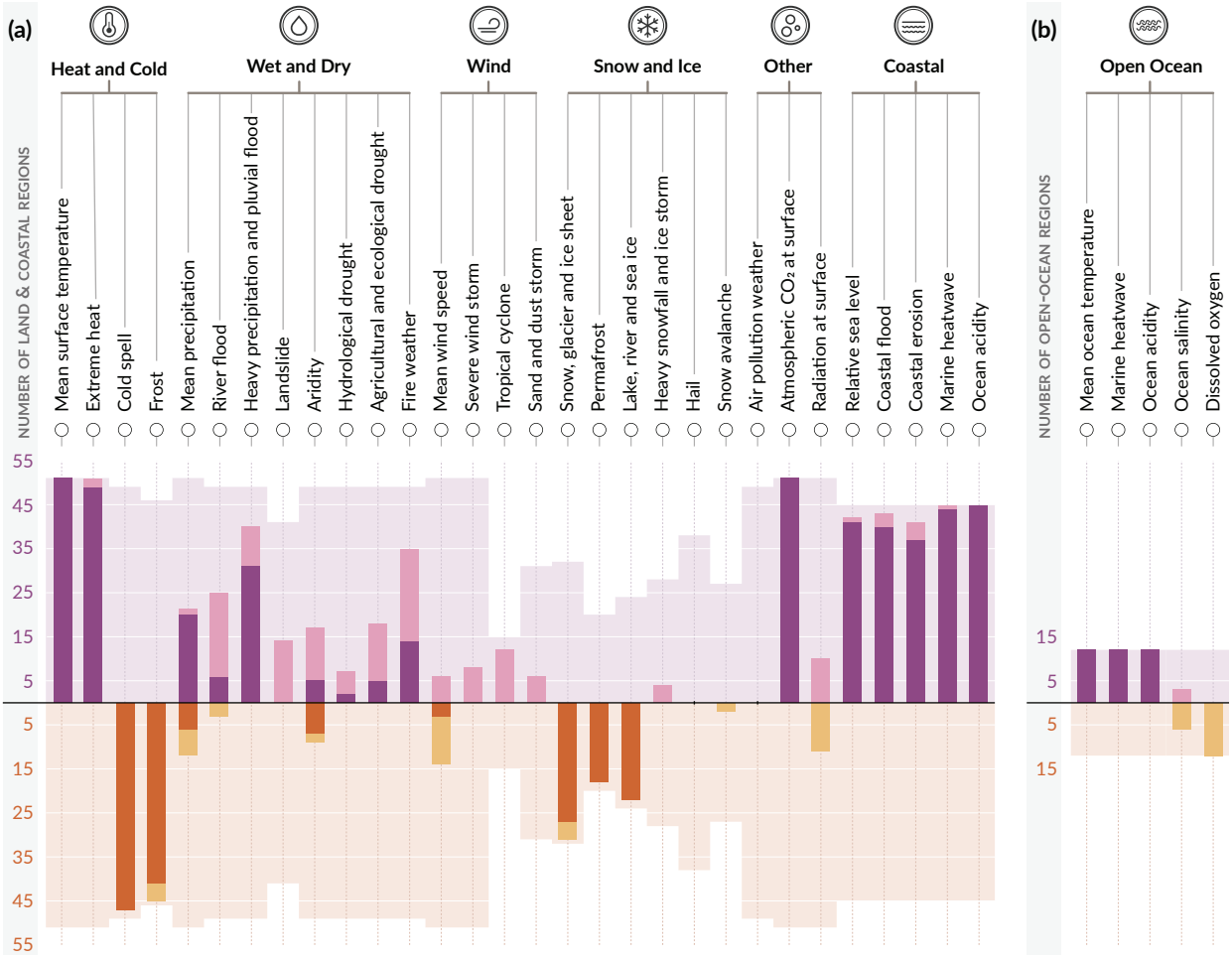
Multiple climatic impact-drivers are projected to change in all regions of the world

Climatic impact-drivers (CIDs) are physical climate system conditions (e.g., means, events, extremes) that affect an element of society or ecosystems. Depending on system tolerance, CIDs and their changes can be detrimental, beneficial, neutral, or a mixture of each across interacting system elements and regions. The CIDs are grouped into seven types, which are summarized under the icons in the figure. All regions are projected to experience changes in at least 5 CIDs. Almost all (96%) are projected to experience changes in at least 10 CIDs and half in at least 15 CIDs. For many CID changes, there is wide geographical variation, and so each region is projected to experience a specific set of CID changes. Each bar in the chart represents a specific geographical set of changes that can be explored in the WGI Interactive Atlas.



interactive-atlas.ipcc.ch

Number of land & coastal regions (a) and **open-ocean regions** (b) where each **climatic impact-driver** (CID) is projected to increase or decrease with ***high*** *confidence* (dark shade) or ***medium*** *confidence* (light shade)



BAR CHART LEGEND

- Regions with ***high*** *confidence* increase
- Regions with ***medium*** *confidence* increase
- Regions with ***high*** *confidence* decrease
- Regions with ***medium*** *confidence* decrease

LIGHTER-SHADED 'ENVELOPE' LEGEND

The height of the lighter shaded 'envelope' behind each bar represents the maximum number of regions for which each CID is relevant. The envelope is symmetrical about the x-axis showing the maximum possible number of relevant regions for CID increase (upper part) or decrease (lower part).

ASSESSED FUTURE CHANGES

Changes refer to a 20–30 year period centred around 2050 and/or consistent with 2°C global warming compared to a similar period within 1960–2014 or 1850–1900.

Figure SPM.9 | Synthesis of the number of AR6 WGI reference regions where climatic impact-drivers are projected to change

A total of 35 climatic impact-drivers (CIDs) grouped into seven types are shown: heat and cold; wet and dry; wind; snow and ice; coastal; open ocean; and other. For each CID, the bar in the graph below displays the number of AR6 WGI reference regions where it is projected to change. The **colours** represent the direction of change and the level of confidence in the change: purple indicates an increase while brown indicates a decrease; darker and lighter shades refer to *high* and *medium confidence*, respectively. Lighter background colours represent the maximum number of regions for which each CID is broadly relevant.

Panel (a) shows the 30 CIDs relevant to the **land and coastal regions**, while **panel (b)** shows the five CIDs relevant to the **open-ocean regions**. Marine heatwaves and ocean acidity are assessed for coastal ocean regions in panel (a) and for open-ocean regions in panel (b). Changes refer to a 20–30-year period centred around 2050 and/or consistent with 2°C global warming compared to a similar period within 1960–2014, except for hydrological drought and agricultural and ecological drought, which is compared to 1850–1900. Definitions of the regions are provided in Sections 12.4 and Atlas.1 and the Interactive Atlas (see https://interactive-atlas.ipcc.ch/).

{11.9, 12.2, 12.4, Atlas.1, Table TS.5, Figures TS.22 and TS.25} (Table SPM.1)

C.3 Low-likelihood outcomes, such as ice-sheet collapse, abrupt ocean circulation changes, some compound extreme events, and warming substantially larger than the assessed *very likely* range of future warming, cannot be ruled out and are part of risk assessment.
{1.4, Cross-Chapter Box 1.3, 4.3, 4.4, 4.8, Cross-Chapter Box 4.1, 8.6, 9.2, Box 9.4, 11.8, Box 11.2, Cross-Chapter Box 12.1} (Table SPM.1)

C.3.1 If global warming exceeds the assessed *very likely* range for a given GHG emissions scenario, including low GHG emissions scenarios, global and regional changes in many aspects of the climate system, such as regional precipitation and other CIDs, would also exceed their assessed *very likely* ranges (*high confidence*). Such low-likelihood, high-warming outcomes are associated with potentially very large impacts, such as through more intense and more frequent heatwaves and heavy precipitation, and high risks for human and ecological systems, particularly for high GHG emissions scenarios.
{Cross-Chapter Box 1.3, 4.3, 4.4, 4.8, Box 9.4, Box 11.2, Cross-Chapter Box 12.1, TS.1.4, Box TS.3, Box TS.4} (Table SPM.1)

C.3.2 Low-likelihood, high-impact outcomes[34] could occur at global and regional scales even for global warming within the *very likely* range for a given GHG emissions scenario. The probability of low-likelihood, high-impact outcomes increases with higher global warming levels (*high confidence*). Abrupt responses and tipping points of the climate system, such as strongly increased Antarctic ice-sheet melt and forest dieback, cannot be ruled out (*high confidence*).
{1.4, 4.3, 4.4, 4.8, 5.4, 8.6, Box 9.4, Cross-Chapter Box 12.1, TS.1.4, TS.2.5, Box TS.3, Box TS.4, Box TS.9} (Table SPM.1)

C.3.3 If global warming increases, some compound extreme events[18] with low likelihood in past and current climate will become more frequent, and there will be a higher likelihood that events with increased intensities, durations and/or spatial extents unprecedented in the observational record will occur (*high confidence*).
{11.8, Box 11.2, Cross-Chapter Box 12.1, Box TS.3, Box TS.9}

C.3.4 The Atlantic Meridional Overturning Circulation is *very likely* to weaken over the 21st century for all emissions scenarios. While there is *high confidence* in the 21st century decline, there is only *low confidence* in the magnitude of the trend. There is *medium confidence* that there will not be an abrupt collapse before 2100. If such a collapse were to occur, it would *very likely* cause abrupt shifts in regional weather patterns and water cycle, such as a southward shift in the tropical rain belt, weakening of the African and Asian monsoons and strengthening of Southern Hemisphere monsoons, and drying in Europe.
{4.3, 8.6, 9.2, TS2.4, Box TS.3}

C.3.5 Unpredictable and rare natural events not related to human influence on climate may lead to low-likelihood, high-impact outcomes. For example, a sequence of large explosive volcanic eruptions within decades has occurred in the past, causing substantial global and regional climate perturbations over several decades. Such events cannot be ruled out in the future, but due to their inherent unpredictability they are not included in the illustrative set of scenarios referred to in this Report
{2.2, Cross-Chapter Box 4.1, Box TS.3} (Box SPM.1)

D. Limiting Future Climate Change

Since AR5, estimates of remaining carbon budgets have been improved by a new methodology first presented in SR1.5, updated evidence, and the integration of results from multiple lines of evidence. A comprehensive range of possible future air pollution controls in scenarios is used to consistently assess the effects of various assumptions on projections of climate and air pollution. A novel development is the ability to ascertain when climate responses to emissions reductions would become discernible above natural climate variability, including internal variability and responses to natural drivers.

D.1 From a physical science perspective, limiting human-induced global warming to a specific level requires limiting cumulative CO_2 emissions, reaching at least net zero CO_2 emissions, along with strong reductions in other greenhouse gas emissions. Strong, rapid and sustained reductions in CH_4 emissions would also limit the warming effect resulting from declining aerosol pollution and would improve air quality.
{3.3, 4.6, 5.1, 5.2, 5.4, 5.5, 5.6, Box 5.2, Cross-Chapter Box 5.1, 6.7, 7.6, 9.6} (Figure SPM.10, Table SPM.2)

D.1.1 This Report reaffirms with *high confidence* the AR5 finding that there is a near-linear relationship between cumulative anthropogenic CO_2 emissions and the global warming they cause. Each 1000 $GtCO_2$ of cumulative CO_2 emissions is assessed to *likely* cause a 0.27°C to 0.63°C increase in global surface temperature with a best estimate of 0.45°C.[41] This is a narrower range compared to AR5 and SR1.5. This quantity is referred to as the transient climate response to cumulative CO_2 emissions (TCRE). This relationship implies that reaching net zero anthropogenic CO_2 emissions[42] is a requirement to stabilize human-induced global temperature increase at any level, but that limiting global temperature increase to a specific level would imply limiting cumulative CO_2 emissions to within a carbon budget.[43] {5.4, 5.5, TS.1.3, TS.3.3, Box TS.5} (Figure SPM.10)

Every tonne of CO_2 emissions adds to global warming

Global surface temperature increase since 1850–1900 (°C) as a function of cumulative CO_2 emissions ($GtCO_2$)

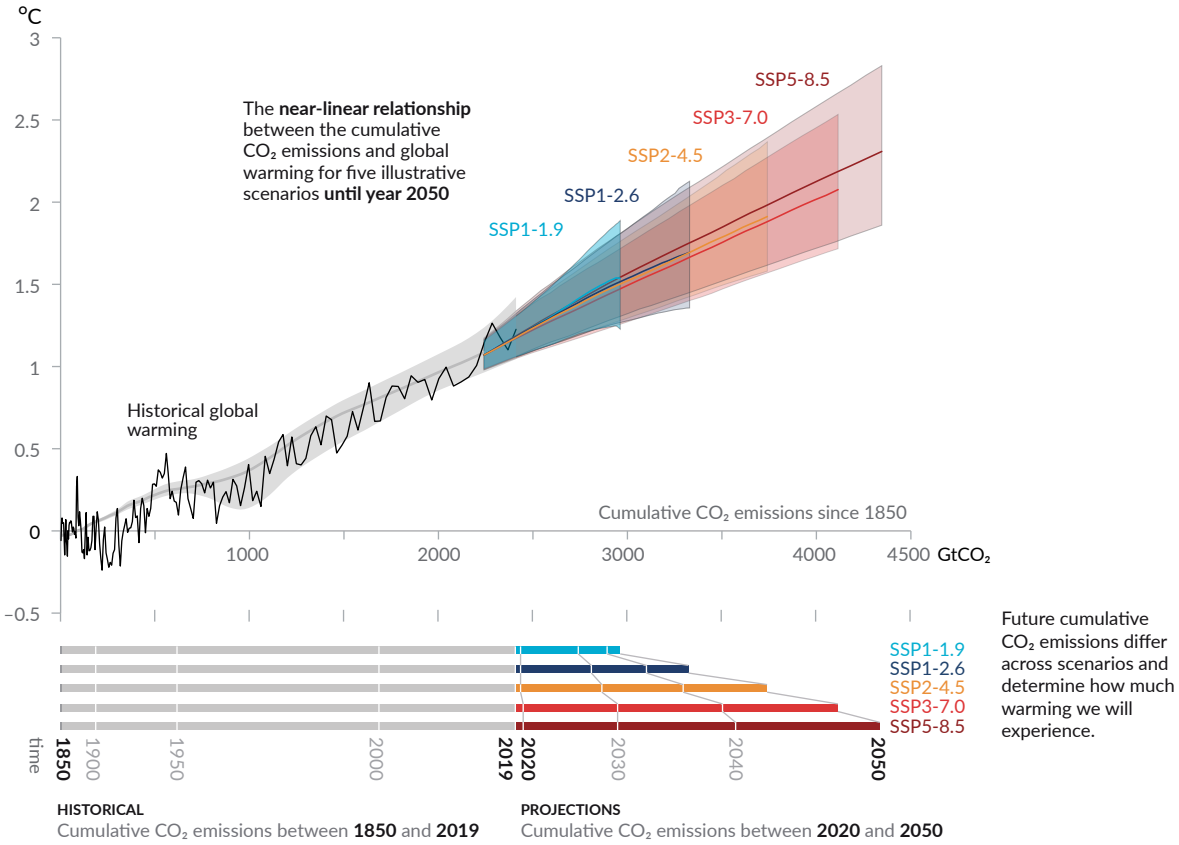


Figure SPM.10 | Near-linear relationship between cumulative CO_2 emissions and the increase in global surface temperature

Top panel: Historical data (thin black line) shows observed global surface temperature increase in °C since 1850–1900 as a function of historical cumulative carbon dioxide (CO_2) emissions in $GtCO_2$ from 1850 to 2019. The grey range with its central line shows a corresponding estimate of the historical human-caused surface warming (see Figure SPM.2). Coloured areas show the assessed *very likely* range of global surface temperature projections, and thick coloured central lines show the median estimate as a function of cumulative CO_2 emissions from 2020 until year 2050 for the set of illustrative scenarios (SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0, and SSP5-8.5; see Figure SPM.4). Projections use the cumulative CO_2 emissions of each respective scenario, and the projected global warming includes the contribution from all anthropogenic forcers. The relationship is illustrated over the domain of cumulative CO_2 emissions for which there is *high confidence* that the transient climate response to cumulative CO_2 emissions (TCRE) remains constant, and for the time period from 1850 to 2050 over which global CO_2 emissions remain net positive under all illustrative scenarios, as there is *limited evidence* supporting the quantitative application of TCRE to estimate temperature evolution under net negative CO_2 emissions.

Bottom panel: Historical and projected cumulative CO_2 emissions in $GtCO_2$ for the respective scenarios.

{Section 5.5, Figure 5.31, Figure TS.18}

41 In the literature, units of °C per 1000 PgC (petagrams of carbon) are used, and the AR6 reports the TCRE ***likely*** range as 1.0°C to 2.3°C per 1000 PgC in the underlying report, with a best estimate of 1.65°C.

42 The condition in which anthropogenic carbon dioxide (CO_2) emissions are balanced by anthropogenic CO_2 removals over a specified period (Glossary).

43 The term 'carbon budget' refers to the maximum amount of cumulative net global anthropogenic CO_2 emissions that would result in limiting global warming to a given level with a given probability, taking into account the effect of other anthropogenic climate forcers. This is referred to as the total carbon budget when expressed starting from the pre-industrial period, and as the remaining carbon budget when expressed from a recent specified date (Glossary). Historical cumulative CO_2 emissions determine to a large degree warming to date, while future emissions cause future additional warming. The remaining carbon budget indicates how much CO_2 could still be emitted while keeping warming below a specific temperature level.

D.1.2 Over the period 1850–2019, a total of 2390 ± 240 (*likely* range) $GtCO_2$ of anthropogenic CO_2 was emitted. Remaining carbon budgets have been estimated for several global temperature limits and various levels of probability, based on the estimated value of TCRE and its uncertainty, estimates of historical warming, variations in projected warming from non-CO_2 emissions, climate system feedbacks such as emissions from thawing permafrost, and the global surface temperature change after global anthropogenic CO_2 emissions reach net zero.
{5.1, 5.5, Box 5.2, TS.3.3} (Table SPM.2)

Table SPM.2 | Estimates of historical carbon dioxide (CO_2) emissions and remaining carbon budgets. Estimated remaining carbon budgets are calculated from the beginning of 2020 and extend until global net zero CO_2 emissions are reached. They refer to CO_2 emissions, while accounting for the global warming effect of non-CO_2 emissions. Global warming in this table refers to human-induced global surface temperature increase, which excludes the impact of natural variability on global temperatures in individual years.
{Table 3.1, 5.5.1, 5.5.2, Box 5.2, Table 5.1, Table 5.7, Table 5.8, Table TS.3}

Global Warming Between 1850–1900 and 2010–2019 (°C)		Historical Cumulative CO_2 Emissions from 1850 to 2019 ($GtCO_2$)					
1.07 (0.8–1.3; likely range)		2390 (± 240; likely range)					
Approximate global warming relative to 1850–1900 until temperature limit (°C)[a]	Additional global warming relative to 2010–2019 until temperature limit (°C)	Estimated remaining carbon budgets from the beginning of 2020 ($GtCO_2$) *Likelihood of limiting global warming to temperature limit*[b]					Variations in reductions in non-CO_2 emissions[c]
		17%	*33%*	*50%*	*67%*	*83%*	
1.5	0.43	900	650	500	400	300	Higher or lower reductions in accompanying non-CO_2 emissions can increase or decrease the values on the left by 220 $GtCO_2$ or more
1.7	0.63	1450	1050	850	700	550	
2.0	0.93	2300	1700	1350	1150	900	

[a] Values at each 0.1°C increment of warming are available in Tables TS.3 and 5.8.

[b] This likelihood is based on the uncertainty in transient climate response to cumulative CO_2 emissions (TCRE) and additional Earth system feedbacks and provides the probability that global warming will not exceed the temperature levels provided in the two left columns. Uncertainties related to historical warming (±550 $GtCO_2$) and non-CO_2 forcing and response (±220 $GtCO_2$) are partially addressed by the assessed uncertainty in TCRE, but uncertainties in recent emissions since 2015 (±20 $GtCO_2$) and the climate response after net zero CO_2 emissions are reached (±420 $GtCO_2$) are separate.

[c] Remaining carbon budget estimates consider the warming from non-CO_2 drivers as implied by the scenarios assessed in SR1.5. The Working Group III Contribution to AR6 will assess mitigation of non-CO_2 emissions.

D.1.3 Several factors that determine estimates of the remaining carbon budget have been re-assessed, and updates to these factors since SR1.5 are small. When adjusted for emissions since previous reports, estimates of remaining carbon budgets are therefore of similar magnitude compared to SR1.5 but larger compared to AR5 due to methodological improvements.[44]
{5.5, Box 5.2, TS.3.3} (Table SPM.2)

D.1.4 Anthropogenic CO_2 removal (CDR) has the potential to remove CO_2 from the atmosphere and durably store it in reservoirs (*high confidence*). CDR aims to compensate for residual emissions to reach net zero CO_2 or net zero GHG emissions or, if implemented at a scale where anthropogenic removals exceed anthropogenic emissions, to lower surface temperature. CDR methods can have potentially wide-ranging effects on biogeochemical cycles and climate, which can either weaken or strengthen the potential of these methods to remove CO_2 and reduce warming, and can also influence water availability and quality, food production and biodiversity[45] (*high confidence*).
{5.6, Cross-Chapter Box 5.1, TS.3.3}

D.1.5 Anthropogenic CO_2 removal (CDR) leading to global net negative emissions would lower the atmospheric CO_2 concentration and reverse surface ocean acidification (*high confidence*). Anthropogenic CO_2 removals and emissions are partially

44 Compared to AR5, and when taking into account emissions since AR5, estimates in AR6 are about 300–350 $GtCO_2$ larger for the remaining carbon budget consistent with limiting warming to 1.5°C; for 2°C, the difference is about 400–500 $GtCO_2$.

45 Potential negative and positive effects of CDR for biodiversity, water and food production are methods-specific and are often highly dependent on local context, management, prior land use, and scale. IPCC Working Groups II and III assess the CDR potential and ecological and socio-economic effects of CDR methods in their AR6 contributions.

compensated by CO_2 release and uptake respectively, from or to land and ocean carbon pools (*very high confidence*). CDR would lower atmospheric CO_2 by an amount approximately equal to the increase from an anthropogenic emission of the same magnitude (*high confidence*). The atmospheric CO_2 decrease from anthropogenic CO_2 removals could be up to 10% less than the atmospheric CO_2 increase from an equal amount of CO_2 emissions, depending on the total amount of CDR (*medium confidence*).
{5.3, 5.6, TS.3.3}

D.1.6 If global net negative CO_2 emissions were to be achieved and be sustained, the global CO_2-induced surface temperature increase would be gradually reversed but other climate changes would continue in their current direction for decades to millennia (*high confidence*). For instance, it would take several centuries to millennia for global mean sea level to reverse course even under large net negative CO_2 emissions (*high confidence*).
{4.6, 9.6, TS.3.3}

D.1.7 In the five illustrative scenarios, simultaneous changes in CH_4, aerosol and ozone precursor emissions, which also contribute to air pollution, lead to a net global surface warming in the near and long term (*high confidence*). In the long term, this net warming is lower in scenarios assuming air pollution controls combined with strong and sustained CH_4 emissions reductions (*high confidence*). In the low and very low GHG emissions scenarios, assumed reductions in anthropogenic aerosol emissions lead to a net warming, while reductions in CH_4 and other ozone precursor emissions lead to a net cooling. Because of the short lifetime of both CH_4 and aerosols, these climate effects partially counterbalance each other, and reductions in CH_4 emissions also contribute to improved air quality by reducing global surface ozone (*high confidence*).
{6.7, Box TS.7} (Figure SPM.2, Box SPM.1)

D.1.8 Achieving global net zero CO_2 emissions, with anthropogenic CO_2 emissions balanced by anthropogenic removals of CO_2, is a requirement for stabilizing CO_2-induced global surface temperature increase. This is different from achieving net zero GHG emissions, where metric-weighted anthropogenic GHG emissions equal metric-weighted anthropogenic GHG removals. For a given GHG emissions pathway, the pathways of individual GHGs determine the resulting climate response,[46] whereas the choice of emissions metric[47] used to calculate aggregated emissions and removals of different GHGs affects what point in time the aggregated GHGs are calculated to be net zero. Emissions pathways that reach and sustain net zero GHG emissions defined by the 100-year global warming potential are projected to result in a decline in surface temperature after an earlier peak (*high confidence*).
{4.6, 7.6, Box 7.3, TS.3.3}

D.2 Scenarios with very low or low GHG emissions (SSP1-1.9 and SSP1-2.6) lead within years to discernible effects on greenhouse gas and aerosol concentrations and air quality, relative to high and very high GHG emissions scenarios (SSP3-7.0 or SSP5-8.5). Under these contrasting scenarios, discernible differences in trends of global surface temperature would begin to emerge from natural variability within around 20 years, and over longer time periods for many other climatic impact-drivers (*high confidence*).
{4.6, 6.6, 6.7, Cross-Chapter Box 6.1, 9.6, 11.2, 11.4, 11.5, 11.6, Cross-Chapter Box 11.1, 12.4, 12.5} (Figure SPM.8, Figure SPM.10)

D.2.1 Emissions reductions in 2020 associated with measures to reduce the spread of COVID-19 led to temporary but detectable effects on air pollution (*high confidence*) and an associated small, temporary increase in total radiative forcing, primarily due to reductions in cooling caused by aerosols arising from human activities (*medium confidence*). Global and regional climate responses to this temporary forcing are, however, undetectable above natural variability (*high confidence*). Atmospheric CO_2 concentrations continued to rise in 2020, with no detectable decrease in the observed CO_2 growth rate (*medium confidence*).[48]
{Cross-Chapter Box 6.1, TS.3.3}

D.2.2 Reductions in GHG emissions also lead to air quality improvements. However, in the near term,[49] even in scenarios with strong reduction of GHGs, as in the low and very low GHG emissions scenarios (SSP1-2.6 and SSP1-1.9), these improvements

46 A general term for how the climate system responds to a radiative forcing (Glossary).

47 The choice of emissions metric depends on the purposes for which gases or forcing agents are being compared. This Report contains updated emissions metric values and assesses new approaches to aggregating gases.

48 For other GHGs, there was insufficient literature available at the time of the assessment to assess detectable changes in their atmospheric growth rate during 2020.

49 Near term: 2021–2040.

are not sufficient in many polluted regions to achieve air quality guidelines specified by the World Health Organization (*high confidence*). Scenarios with targeted reductions of air pollutant emissions lead to more rapid improvements in air quality within years compared to reductions in GHG emissions only, but from 2040, further improvements are projected in scenarios that combine efforts to reduce air pollutants as well as GHG emissions, with the magnitude of the benefit varying between regions (*high confidence*).
{6.6, 6.7, Box TS.7}.

D.2.3 Scenarios with very low or low GHG emissions (SSP1-1.9 and SSP1-2.6) would have rapid and sustained effects to limit human-caused climate change, compared with scenarios with high or very high GHG emissions (SSP3-7.0 or SSP5-8.5), but early responses of the climate system can be masked by natural variability. For global surface temperature, differences in 20-year trends would *likely* emerge during the near term under a very low GHG emissions scenario (SSP1-1.9), relative to a high or very high GHG emissions scenario (SSP3-7.0 or SSP5-8.5). The response of many other climate variables would emerge from natural variability at different times later in the 21st century (*high confidence*).
{4.6, Cross-Section Box TS.1} (Figure SPM.8, Figure SPM.10)

D.2.4 Scenarios with very low and low GHG emissions (SSP1-1.9 and SSP1-2.6) would lead to substantially smaller changes in a range of CIDs[36] beyond 2040 than under high and very high GHG emissions scenarios (SSP3-7.0 and SSP5-8.5). By the end of the century, scenarios with very low and low GHG emissions would strongly limit the change of several CIDs, such as the increases in the frequency of extreme sea level events, heavy precipitation and pluvial flooding, and exceedance of dangerous heat thresholds, while limiting the number of regions where such exceedances occur, relative to higher GHG emissions scenarios (*high confidence*). Changes would also be smaller in very low compared to low GHG emissions scenarios, as well as for intermediate (SSP2-4.5) compared to high or very high GHG emissions scenarios (*high confidence*).
{9.6, 11.2, 11.3, 11.4, 11.5, 11.6, 11.9, Cross-Chapter Box 11.1, 12.4, 12.5, TS.4.3}

Rte	Desig Status (OD= Officially Designated; E= Eligible)	County	Caltrans Dist	"OD" or "E" State Scenic Highway Location (from/to)	Begin County	*Post Mile	End County	*Post Mile	Length Designated (miles)	Official Des #	Official Desig Date
33	E	Ventura	7	Route 101 near Ventura/Route l50	Ventura	0.0	Ventura	11.2			
33	E	Ven/SB/SLO	7/5	Route 150/Route 166 in Cuyama Valley	Ventura	11.2	SLO	11.5			
33	OD	VENTURA	7	FR 6.4 MI NO Route 150 TO 23.3 MI NO Route 150	VENTURA	17.6	VENTURA	34.5	16.9	32	February 18, 1972
33	OD	VENTURA	7	FR 23.3 MI NO Route 150 TO 30.5 MI NO Route 150	VENTURA	34.5	VENTURA	41.7	7.2	50	July 11, 1988
33	OD	VENTURA	7	FR 30.5 MI NO Route 150 TO 36.8 MI NO Route 150	VENTURA	41.7	VENTURA	48.0	6.3	32	February 18, 1972
33	OD	VENTURA	7	FR 36.8 MI NO Route 150 TO SANTA BARBARA CL	VENTURA	48.0	VENTURA	57.5	9.5	50	July 11, 1988

*Post Miles for eligible segments are approximate; legal limits of State Scenic Highways are described in the Streets Highways Code
(For limits of federal byways, visit FHWA "America's Bways" or USFS Scenic Byway programs).

Note:

Postmiles provided for eligible segments througout this spreadsheet are approximate. If any dicrepancy exists between the spreadsheet postmiles and the text description in the Streets and Highways Code, the SHC text prevails.

Notes about updates:

October 2015	State Route 180, Fresno County, added as OD
February 2016	State Route 52, in San Diego, added as OD
December 2016	*Gaviota Coast State Scenic Hwy* added as OD
March 22, 2017	*Topanga Canyon State Scenic Highwa* y added as OD
March 2017	Official Designation Dates added to this collated spreadsheet (which shows "E" and "OD" routes).
August 2017	Formatting change: begin/end county postmiles separated into separate columns.
October 2018	Note added in footer "post miles are estimates;" legal limits are described in CA SHC.
July 2019	Route 128 (entire length) added to eligibility list by legislation (AB 998)

Sussman, Shelley

From: Fogg, Mindy
Sent: Monday, July 11, 2022 8:03 AM
To: Sussman, Shelley
Cc: Curtis, Susan; Ward, Dave
Subject: FW: One well abandon for one dril LA County.pdf
Attachments: One well abandon for one dril LA County.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

FYI-

From: Carol Holly <carol.holly2@gmail.com>
Sent: Sunday, July 10, 2022 4:04 PM
To: Fogg, Mindy <Mindy.Fogg@ventura.org>
Subject: One well abandon for one dril LA County.pdf

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July 10, 2022

Re: PL21-0099 – PL21-0100

Hi Mindy,

(I sent this email to both you and Shelly Sussman but her email blocked the receipt of the message. I was not sure if your email blocked it also, so I am resending. Can you please forward this to Shelly also?)

Thank you for releasing the main elements of the proposed amendment to the oil and gas ordinance and the questions and answers for same. I am writing this to you because I question the answer given by staff to questions #3 and #7 as they apply to jurisdiction over long term idle wells. The answer broadly states that idle wells are under the sole purview and jurisdiction of CalGem and thus the County is responsible for only that which is above ground.

Los Angeles County addressed the long-term idle well problem in 2014 with a simple solution during a permit renewal. Attached you will find a permit renewal that was issued in 2014 by Los Angeles County in which the County required that one idle well be abandoned prior to the drilling of one new well. Note condition (n) of said permit. As you can see, new wells are referred to as replacement wells because the permit has a hard cap of 34 wells (the number of existing wells including idle wells). There is also a total limit of the number of new wells that may be drilled (4) regardless of their status as replacement wells.

This simple strategy of limiting the total number of wells including active and idle wells to a certain number – in this case the existing number of idle and active wells on the permit – requires the operator to abandon an idle well for each well that he/she wants to drill. A former CalGem supervisor, Anneliese Anderle, told me that in that capacity she personally oversaw the abandonment of a well on this permit so that the operator could drill a new one.

County of Ventura
Planning Commission Hearing
PL21-0099 and PL21-0100
Exhibit 9 - Written comments submitted as of July 20, 2022, at 12:00 p.m.

As I am not an attorney, I don't know if this simple approach could be construed to apply to re-drills as well as new wells. I'm sure County Counsel could advise the planning department as to that possibility.

The County certainly has the power to limit the size of a conditional use permit. It also has the power to limit the use on that conditional use permit. This simple "one for one" approach to renewal permits guarantees that the permitted number of wells will not increase unless the number of idle wells decreases. Since the County today is home to more idle than active wells by a significant margin, this approach, while not going far enough toward solving the idle well problem, is at least something the planning department could implement, likely without putting a new ordinance in place.

Respectively Submitted,

Carol Holly

Sussman, Shelley

From: keith@castle-light.com
Sent: Tuesday, July 12, 2022 2:26 PM
To: Shelley.Sussman@ventura.org.
Cc: Citizens Journal
Subject: FW: VENTURA COUNTY PLANNING DIVISION - PROPOSED OIL AND GAS ORDINANCE AMENDMENTS AVAILABLE FOR REVIEW

WARNING: If you believe this message may be malicious use the Phish Alert Button to report it or forward the message to Email.Security@ventura.org.

Hi Shelley:

What's going on??

I thought this program had been voted on ..... and turned down??

Subject: VENTURA COUNTY PLANNING DIVISION - PROPOSED OIL AND GAS ORDINANCE AMENDMENTS AVAILABLE FOR REVIEW

View this email in your browser

NOTICE OF PUBLIC HEARING FOR PL21-0099 and PL21-0100: VENTURA COUNTY-

INITIATED ADOPTION OF AN ORDINANCE AMENDING ARTICLE 7 OF THE VENTURA COUNTY NON-COASTAL ZONING ORDINANCE AND AN ORDINANCE AMENDING ARTICLE 5 OF THE VENTURA COUNTY COASTAL ZONING ORDINANCE PERTAINING TO OIL AND GAS OPERATIONS

NOTICE IS HEREBY given that a public hearing, as provided by law, will be held by the **Planning Commission of Ventura County on Thursday, July 28, 2022, at 8:30 a.m.**, at 800 S. Victoria Avenue, Ventura CA 93009, County Government Center, Hall of Administration, Board of Supervisors Hearing Room, to consider the matter below.

In accordance with Government Code section 54953(e)(1)(A) the Planning Commission is allowing for both in-person participation and electronic participation through Zoom. To find out how you may electronically attend the Planning Commission hearing and provide public comment, please refer to the instructions on our website at https://vcrma.org/en/public-comments-for-planning-commission-hearings.

CASE NUMBERS: PL21-0099 and PL21-0100

APPLICANT: County of Ventura, Resource Management Agency, Planning Division

PROJECT LOCATION: Countywide

Sussman, Shelley

From: Todd Collart <collart@west.net>
Sent: Monday, July 18, 2022 4:16 PM
To: Richard Baldwin; Phil White
Cc: Sussman, Shelley
Subject: Fwd: Anthony Ingraffea on well integrity

Follow Up Flag: Follow up
Flag Status: Flagged

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Hi,

I recalled this info from A&B days, but needed a more direct link to it for the recent CEC actions and pending Planning Dept. proposal to up bonding amounts for abandoning wells.

TODD

Begin forwarded message:

From: Merrill Berge <merrillberge@gmail.com>
Subject: Fwd: Anthony Ingraffea on well integrity
Date: July 18, 2022 at 11:30:09 AM PDT
To: Todd Collart <collart@west.net>

Here you go, Todd!
Good thinking,
M

---------- Forwarded message ---------
From: <rawitt@verizon.net>
Date: Sun, Sep 26, 2021 at 10:17 PM
Subject: Anthony Ingraffea on well integrity
To: merrillberge@gmail.com <merrillberge@gmail.com>
Cc: jdietrick9@gmail.com <jdietrick9@gmail.com>, faithagrant@aol.com <faithagrant@aol.com>

Hi Merrill,

In follow-up to our 350 Climate Hub/CFROG meeting today, below I've pasted the quote I mentioned as well as some additional information on Anthony Ingraffea for you.

Rose Ann

"As a longtime oil and gas engineer who helped develop shale fracking techniques for the Energy Department, I know these technological advancements have not equated to making oil and gas development a cleaner extractive industry. … Multiple industry studies show that about 5 percent of all oil and gas wells leak immediately because of integrity issues, with increasing rates of leakage over time. … According to a review of industry's own data, 60 percent of oil and gas wells failed within 28 years." (Casper Star-Tribune, 10/2013)

Ingraffea believes safe hydraulic fracturing is simply a myth, and advises, "Where shale gas development has not yet occurred, ban it. Period. Where it is occurring, enact ironclad regulations, inspect for compliance with them with dogged diligence, and enforce them relentlessly with fines that really mean something."

Gangplank to a Warm Future

https://www.nytimes.com/2013/07/29/opinion/gangplank-to-a-warm-future.html

INTERVIEW

Meet Anthony Ingraffea – From Industry Insider to Implacable Fracking Opponent

https://truthout.org/articles/meet-anthony-ingraffea-from-industry-insider-to-implacable-fracking-opponent/

Assessment and risk analysis of casing and cement impairment in oil and gas wells in Pennsylvania, 2000–2012

https://www.pnas.org/content/111/30/10955

Shale Gas: The Technological Gamble That Should Not Have Been Taken by Anthony Ingraffea
https://www.youtube.com/watch?v=PGfIjCG-zB4

Sussman, Shelley

From: Marc Traut <marc@renpetllc.com>
Sent: Friday, July 15, 2022 6:47 AM
To: Sussman, Shelley
Cc: Fogg, Mindy; Marc Traut
Subject: Re: Ventura County Planning Division Proposes Oil and Gas Ordinance Amendments

WARNING: If you believe this message may be malicious use the Phish Alert Button to report it or forward the message to Email.Security@ventura.org.

Ms. Sussman,

I have reviewed the draft document of the proposed amendments to the NCZO concerning oil and gas operations, specifically Sections 8107-5.6.5 (sureties) and 8107-5.6.12 (insurance). Sections 8107-5.6.5 and 8107-5.6.12.c address the implementation of the amended requirements for sureties and insurance, respectively. According to Sec. 8107-5.6.5.h all sureties required are to be provided to the Planning Division within 180 days after 60 days following the effective date of the amended ordinance and according to Sec. 8107-5.6.12.c certificates of insurance for the required amounts are to be provided to the Planning Division within 90 days following the effective date of the amended ordinance.

What is not clear to me is what will trigger the implementation of these two new requirements for existing permits. Will the new requirements discussed above be triggered by some future modification to an existing CUP?

Thanks in advance.

Marc Traut

Renaissance Petroleum, LLC

On Friday, July 8, 2022 at 11:20:46 AM PDT, Sussman, Shelley <shelley.sussman@ventura.org> wrote:

July 8, 2022

Dear Stakeholder,

The County of Ventura is providing information related to the following proposed project:

PROJECT DESCRIPTION: The proposed project consists of the County's adoption and implementation of Non-Coastal Zoning Ordinance (NCZO) and Coastal Zoning Ordinance (CZO) amendments related to establishing a 15-year term for new and extended conditional use permits for oil and gas operations, updated surety and insurance requirements for oil and gas operations, and a request for a professional study to identify idle wells in unincorporated Ventura County that should be prioritized for plugging and abandonment. To learn more about the project and review the proposed ordinance amendments, visit the Planning Division webpage at:

https://vcrma.org/en/proposed-oil-and-gas-regulations

A public hearing will be held by the **Planning Commission of Ventura County on Thursday, July 28, 2022, at 8:30 a.m.**, at 800 S. Victoria Avenue, Ventura CA 93009, County Government Center, Hall of Administration, Board of Supervisors Hearing Room, to consider the matter below. Inquiries on this item may be directed to Case Planner, Shelley Sussman, at (805) 654-2493 or by e-mail to Shelley.Sussman@ventura.org.

The Planning Commission staff report will be available on the Planning Division's website at https://vcrma.org/en/planning-commission or at the Planning Division, a week before the public hearing.

PROVIDING PUBLIC COMMENTS: Public comments may be provided using the following options:

In Advance of Hearing - If you wish to submit your comments in advance of the meeting, please submit your comment to the Case Planner, Shelley Sussman, by email at Shelley.Sussman@ventura.org by 3:30 p.m. on the day prior to the hearing. Please indicate in the Subject Line of your email, the Agenda Item Number on which you are commenting. Your email will be distributed to the Planning Commissioners and placed into the item's record at the Planning Commission hearing.

In Person During Hearing – If you wish to make a comment in-person, you must be present at the meeting location and provide your comment prior to the close of the public comment period for the item you wish to speak on.

On Zoom During Hearing– Register at https://vcrma.org/public-comments-for-planning-commission-hearings before the close of the Commission hearing regarding this project. Please provide your name, email, and the phone number you will be calling in from. Once your registration has been approved, you will receive an email with the Zoom meeting link and password. The participation information is unique to you; please do not share as it may cause issues with your ability to join the meeting. ***Pre-registration is strongly encouraged.*** Registration opens when the Planning Commission's July 28, 2022 meeting agenda is posted, which is projected to occur on July 21, 2022 at 5:00 p.m.

TO LISTEN AND PARTICIPATE IN SPANISH: If you would like to listen and participate in Spanish using video or telephone during the hearing, you can receive Zoom credentials by registering at https://vcrma.org/public-comments-for-planning-commission-hearings. While registering, please check the box for "Spanish Participation." An email with the Zoom meeting link and password will be sent once your registration has been approved. You can then watch the meeting in Spanish through the Spanish channel during this agenda item.

In addition to the upcoming Planning Commission hearing, a public hearing will be held before the Ventura County Board of Supervisors on a future date. Any person may attend and be heard on this matter. If you challenge the above-described action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this Notice, or in written correspondence delivered to the County of Ventura at, or prior to, the public hearing.

County of Ventura
Planning Commission Hearing
PL21-0099 and PL21-0100
Attachment A – Footnote References for
Staff Report and Exhibit 8

2. "Capital Investment Amortization Study of City of Culver City Portion of the Inglewood Oil Field", May 2020. Baker & O'Brien, Inc., at p. 33

3. CalGEM PowerPoint presentation: "CalGEM Oil and Gas State Abandonment Planning"; April 6, 2022.

5. CalGEM WellSTAR Data Dashboard. https://www.conservation.ca.gov/calgem/Online_Data/Pages/WellSTAR-Data-Dashboard.aspx. Accessed June 1, 2022.

6. CalGEM. 2022. Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955. Accessed June 14, 2022.

7. Bill Analysis for AB 2729. April 4, 2016. Assembly Committee on Natural Resources. Available at: http://www.leginfo.ca.gov/pub/15-16/bill/asm/ab_2701-750/ab_2729_cfa_20160331_163551_asm_comm.html

8. Estimates of well counts are based on the number of active and idle wells per operators with active CUPs in the county. Active wells per CalGEM AllWell data downloaded on June 2, 2022, available at https://gis.conservation.ca.gov/portal/home/item.html?id=0d30c4d9ac8f4f84a53a145e7d68eb6b and idle wells per CalGEM. 2022. Preliminary 2022 IWMP Inventory. Includes only wells that were idle on January 1, 2022. Available online: https://filerequest.conservation.ca.gov/RequestFile/2843955.

9. Haynes Boone. Oil Patch Bankruptcy Monitor. January 31, 2022. https://www.haynesboone.com/-/media/project/haynesboone/haynesboone/pdfs/energy_bankruptcy_reports/oil_patch_bankruptcy_monitor.pdf?rev=61c2606a5be547598c8d716d1a795c39&hash=97ECA4B149560404B19497FA37CB2B50

10. US Energy Information Administration. California Field Production of Crude Oil. https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=MCRFPCA2&f=M

11. Ventura County Star, "Oil bankruptcies leave environmental cleanup bills to California taxpayers." June 27, 2021, M. Olalde.

13. https://www.conservation.ca.gov/index/Pages/News/CalGEM-Oversee-Plugging-Abandonment-56-Oil-Gas-Wells-LA-County.aspx

14. California Council on Science and Technology (CCST). 2018. Orphan Wells in California: An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells. pp. ix and 29.

19. CRC. 2021. https://investors.crc.com/news/news-details/2021/California-Resources-Corporation-Reports-Second-Quarter-2021-Results-Increases-Free-Cash-Flow-Guidance-Raises-Share-Repurchase-Program-to-250-Million-and-Announces-Strategic-AD-Transactions/default.aspx.

20. CalGEM. 2021. Idle Well Management Program Report. Idle and Long-Term Idle Wells in California. Reporting Period: January 1, 2019, to December 31, 2019. Prepared Pursuant to Assembly Bill 2729 (Ch.272, Stats. Of 2016).

23. https://www.pacbiztimes.com/2015/06/27/refugio-oil-spill-cleanup-costs-near-100-million/

24. https://www.reuters.com/article/us-sempra-alisocanyon-natgas/socalgas-raises-estimated-cost-of-alisocanyon-natgas-leak-to-1-07-billion-idUSKCN1SE27E

25. American Geosciences Institute. 2018. Abandoned Wells. https://www.americangeosciences.org/geoscience-currents/abandoned-wells

26. USEPA. 2021. Primary Sources of Methane Emissions. https://www.epa.gov/natural-gas-starprogram/primary-sources-methane-emissions. Accessed October 18, 2021.

29. Estimate is based on 50 barrels per day for a 10-well operation at an average market price of $66 per barrel. An estimated production of 5 barrels per well is derived from *U.S. Energy Information Administration. 2020.The Distribution of U.S. Oil and Natural Gas Wells by Production Rate. December.*

30. https://www.reuters.com/business/energy/oil-prices-rise-after-falling-3-previous-session-2022-07-01/

34. Ventura County Star, January 18, 2020, Cheri Carlson. “Earth just wrapped up its second warmest years. Here’s what happened in Ventura County.”

Capital Investment Amortization Study for the City of Culver City Portion of the Inglewood Oil Field

Prepared by:
William D. Cheek
Donald L. Flessner
Charles G. Kemp

May 29, 2020

BAKER & O'BRIEN
INCORPORATED

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1. LEGAL NOTICE

The City of Culver City (the "City"), located in Los Angeles County, California, retained Baker & O'Brien, Inc. ("Baker & O'Brien") to prepare a study of the amortization of capital investment in the Culver City portion of the Inglewood Oil Field. This report presents the basis and conclusions of this study as of the Effective Date. Baker & O'Brien makes no warranties; either expressed or implied, and assumes no liability with respect to the use of any information or methods disclosed herein.

The analysis, opinions, and findings in this report are based on the experience, expertise, and skill of Baker & O'Brien consultants, as well as their research, analysis, discussions, and related work to date. In preparing this report, Baker & O'Brien has relied upon public and proprietary information available for use in this assignment. All conclusions, forecasts, and projections presented in this report represent Baker & O'Brien's best judgment based upon information available as of the Effective Date of this report, and are inherently uncertain due to the potential impact of factors or future events that are unforeseeable or which are beyond Baker & O'Brien's control. Baker & O'Brien reserves the right to supplement or amend this report if additional information should subsequently become available that is material to the conclusions presented herein.

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2. INTRODUCTION

Baker & O'Brien has been retained by the City to prepare a study of the amortization of capital investment in oil and gas operations located in the approximately 78-acre portion of the Inglewood Oil Field ("IOF") that is located in the City (the "City IOF"). The oil and gas facilities within the IOF are owned and operated by Sentinel Peak Resources LLC ("SPR"). SPR acquired its interest in the City IOF in 2017 from Freeport McMoRan Oil and Gas LLC ("FCX") as part of a portfolio of California oil and gas assets. SPR is a private company that is an affiliate of Quantum Energy Partners, a private equity investor. The information developed by this study will be considered by the City in its review of the possible termination of oil and gas operations within the City IOF.

The Effective Date of this study is January 1, 2020. The Effective Date represents the cut-off date for information used in the study as the basis for representing historical oil and gas operations and projections of future operations in the City IOF.

This report refers to a number of terms and abbreviations that are used in the oil and gas industry. For convenience, a Glossary is provided in **Exhibit A** that lists many of these terms and abbreviations and provides a brief definition for each.

2.1 QUALIFICATIONS

Baker & O'Brien is an independent professional consulting firm that serves clients with interests in the upstream and downstream oil and gas industries. The firm was founded in 1993 and has completed more than 1,500 assignments in the United States ("U.S.") and around the world. These engagements have included asset valuations, due diligence studies for transactions, land use issues, commercial disputes, and construction disputes. In these assignments, Baker & O'Brien consultants have provided expert services to law firms, lenders, insurers, municipalities, operating companies, and manufacturers of transportation fuels and chemical products.

Baker & O'Brien consultants are experienced engineering and finance professionals who offer significant technical and commercial expertise in the oil and gas industry. The firm's consultants have provided technical and commercial support in resolving a variety of valuation

and land use assignments in California and other U.S. and local jurisdictions, including disputes involving ad valorem taxes, buffer land, rights of way, and land use regulations.

This report was jointly prepared by Mr. William Cheek, Mr. Donald Flessner, and Mr. Charles Kemp. Baker & O'Brien also retained Mr. Donald LeBlanc to provide independent subject-matter expertise in reservoir engineering and management. The qualifications of Baker & O'Brien consultants are provided in **Exhibit B**.

2.2 SCOPE OF WORK

Baker & O'Brien has been engaged to prepare an income model for use in determining amortization of capital investment ("ACI") in existing oil and gas production facilities within the City IOF based upon financial principles. In addition to preparing the income model, Baker & O'Brien's scope of work includes the collection and validation of technical and commercial data used as the basis for determining capital expenditures, revenues, royalties, operating costs, and reasonable returns on capital investment for oil and gas operations in the City IOF.

Baker & O'Brien's analysis and conclusions are presented in this report. In preparing this report, Baker & O'Brien has relied upon public and proprietary information available about oil and gas operations in the City IOF that was available at the Effective Date. Reference materials that have been considered in developing the ACI analysis and preparing this report are listed in **Exhibit C**.

2.3 STRUCTURE OF REPORT

The basis for the income analysis and the conclusions from this analysis are set forth in the remainder of this report, which is organized into the following sections.

- *Section 3* provides an Executive Summary of the study;
- *Section 4* provides background information about the history and operation of the IOF;
- *Section 5* summarizes the methodology and baseline assumptions used in the income model to determine the time required for ACI;

- *Section 6* summarizes an analysis of the amortization of capital investment for SPR's acquisition of the City IOF and specific assumptions related to this analysis;

- *Section 7* summarizes an analysis of the amortization of initial capital investment to drill and complete wells in the City IOF and specific assumptions related to this analysis; and

- *Section 8* summarizes sensitivity cases that were developed to test certain assumptions used in the income model.

3. EXECUTIVE SUMMARY

Baker & O'Brien has been retained by the City to prepare a study of the amortization of capital investment ("ACI") in oil and gas production facilities existing as of the Effective Date within the approximately 78-acre portion of the IOF that is located within the City.

SPR acquired the City IOF in January 2017 when it purchased a portfolio of California oil and gas properties from FCX. At the time of the acquisition, there were 41 wells located within the City IOF and supporting infrastructure. During 2017, 21 wells were in operation to produce oil and gas, 10 production wells were idle, and 10 wells were used for injection of water into the reservoir. These wells were drilled and completed between 1925 and 2002.

This study uses a standard financial analysis to determine the time required for ACI. An income model is used to account for capital investment and variables that determine net income for facilities in the City IOF, which are organized into annual income statements. Financial metrics are calculated for each annual period to test for ACI. ACI occurs when cumulative income from an investment is sufficient to offset the initial capital investment and to provide a return on that investment to the owner. The income model uses the Internal Rate of Return and Net Present Value as tests to determine when ACI would occur.

In one scenario, the income model is used to determine the time required for ACI for SPR's capital acquisition of the City IOF. SPR's capital investment in the City IOF was a small portion of the acquisition price that SPR paid in 2017 to acquire FCX's portfolio of California oil and gas production properties. Since there is no public allocation of the acquisition price that was attributable to the City IOF, the income model uses a fair market value of $4.65 million for the City IOF, which is an indicative value for an arm's-length exchange of the property between a willing buyer and a willing seller. The income model determines that ACI would occur within four years of SPR's purchase of the City IOF.

In a second scenario, the income model is used to determine the time required for ACI for costs by other operators to drill and complete individual wells in the City IOF since 1977. This analysis confirms that ACI for individual wells is typically achieved within a few years, although there is significant variability among individual wells. For the six production wells drilled in the

City IOF since 1977, four wells achieved ACI within five years, while two wells generated returns that fell short of the targets. When individual wells are considered together, these results show that high returns from performing wells offset poor returns from marginal wells. These findings confirm that it is appropriate to aggregate individual wells to determine the time required for ACI for facilities within the City IOF. These results for original investment in individual wells also confirm that the time required to achieve ACI for SPR's acquisition of the property is reasonable.

The use of the income model was limited to wells drilled since 1977 because historical data was incomplete or not available to determine income or capital investment for wells drilled prior to 1977. For these wells, operating economics were evaluated for different periods to determine the time for ACI in historical periods. When wells drilled during various historical periods are aggregated, wells drilled prior to 1977 have similar economics as the individual wells evaluated with the income model. Even though capital investment between 1925 and 1977 occurred during a range of market conditions, the economic performance of these wells indicates that wells drilled prior to 1977 achieved ACI within the first several years of operation and well before 2016.

Finally, a sensitivity analysis was conducted to test the impact of potential changes in key baseline assumptions on the time required to achieve ACI for SPR's acquisition of the City IOF. Within reasonable ranges of baseline assumptions, the ACI has a modest sensitivity to changes in SPR's acquisition cost, but ACI has little sensitivity to changes in the crude oil quality discount or the industry return on capital.

4. BACKGROUND

The IOF surface boundary covers approximately 1,000 acres of land in the Baldwin Hills area of Los Angeles County and represents one of the largest contiguous urban oil fields in the U.S.[1] Most of the land within the IOF is in an unincorporated area of Los Angeles County (the "County IOF"). Approximately 78 acres of the IOF is located within the City, which borders the IOF on its northern and western boundaries.[2] The land within the boundaries of the City IOF is owned by numerous entities.[3] A map that shows the boundaries of the City IOF and the locations of oil and water injection wells is presented in **Exhibit D**.

4.1 INGLEWOOD OIL FIELD

Oil and natural gas resources were discovered within the current boundaries of the IOF in 1924. The Standard Oil Company of California (a predecessor to Chevron Corp., "Chevron") began to produce commercial quantities of oil from the field in 1925, with oil and gas production continuing to present day. Between 1924 and 1977, numerous operators produced oil and natural gas from the IOF.[4]

Chevron had consolidated ownership and became the sole operator of the IOF by the late 1970s. Stocker Resources purchased Chevron's interests in the IOF in 1991.[5] Plains Resources, Inc. (a predecessor to Plains Exploration & Production, "PXP") acquired Stocker Resources in 1992.[6] FCX acquired PXP in 2013.[7] SPR became the sole operator of the IOF when it acquired FCX's interest in the IOF and other California oil fields in a portfolio transaction that closed on January 1, 2017.[8]

While subject to common State regulatory requirements, the County IOF and City IOF have separate local regulatory requirements. Oil and gas operations in the County IOF are

[1] Analysis of Oil and Gas Well Stimulation Treatments in California, Section 11, Jun 2015, pg. 11.0-4.
[2] Final Environmental Impact Report, Baldwin Hills Community Standards District, Oct 2008; pg. 1-1, pg. 3-4.
[3] Final Environmental Impact Report, Baldwin Hills Community Standards District, Oct 2008; pg. 1-1, pg. 2-4, 2-5.
[4] https://inglewoodoilfield.com/history-future/history-inglewood-oilfield.
[5] https://inglewoodoilfield.com/history-future/history-inglewood-oilfield.
[6] https://www.upi.com/Archives/1992/05/13/Plains-Resources-to-acquire-Stocker-Resources/8780705729600/
[7] https://investors.fcx.com/investors/news-releases/news-release-details/2013/FCX-Completes-Acquisition-of-Plains-Exploration--Production-Co/default.aspx.
[8] https://sentinelpeakresources.com/240-2/.

regulated by the Baldwin Hills Community Standards District (CSD), which became effective in November 2008, while oil and gas operations in the City IOF are regulated separately by the City. The County requires SPR to submit an annual *Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan* ("Plan") each November. These plans provide overview information about the IOF as well as specific plans for drilling new wells, plug and abandonment of wells, and other field activities within the County IOF.

In November 2017, SPR issued its first plan under the CSD for field activities in the County IOF during 2018 (the "2018 Plan"). In the 2018 Plan, SPR stated that the IOF produced 5,520 barrels per day ("B/D") of crude oil in 2017.[9] Although SPR noted that it was unlikely to drill new wells in 2018, the 2018 Plan proposed to drill 9 new wells, to redrill 1 well, and to plug and abandon 13 wells.[10] The 2018 Plan also noted that the CSD allows the operator to drill up to 53 new wells each year until 2028, as long as the total number of new wells in the CSD does not exceed 500 from inception of the CSD.[11]

In November 2019, SPR issued its most recent plan under the CSD for field activities in the County IOF during 2020 (the "2020 Plan"). The 2020 Plan stated that the IOF produced 5,200 B/D of crude oil in 2019, 6% less than in 2017.[12] SPR noted that it was unlikely to drill any new wells in the County IOF during 2020, but proposed to drill 9 new wells, to redrill 1 well, and to plug and abandon 12 wells.[13] The 2020 Plan showed that 132 wells had been drilled in the County IOF since inception of the CSD in 2008 and that no new wells had been drilled since 2014.[14] The 2020 Plan also showed that 27 wells had been plugged and abandoned between 2014 and September of 2019, of which 2 were abandoned during 2018 and 7 were abandoned in 2019.[15] Comparing SPR's 2018 Plan and 2020 Plan for plug and abandonment, four of the wells proposed for abandonment in 2018 had been carried over to the 2020 Plan.[16] Although SPR planned to complete an in-depth reservoir assessment during 2018 as a basis for its drilling

[9] 2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 1.
[10] 2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 5.
[11] 2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 4.
[12] 2020 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 1.
[13] 2020 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 1.
[14] 2020 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 5.
[15] 2020 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 13-17.
[16] 2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017, pg 13; 2020 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017, pg 13.

program in the County IOF,[17] no such plan for development of the County IOF has been proposed.

In addition to production and water injection wells, surface equipment used in oil and gas production activities includes pump jacks, water injection pumps, pipelines, roadways, small buildings, and tanks. This equipment is located throughout the IOF, although most of this surface equipment is located in the County IOF. Facilities used to prepare crude oil and natural gas to marketable quality for delivery to pipelines is also located in the County IOF. Surface equipment located in the City IOF includes pump jacks, water injection pumps, pipelines, roadways, small buildings, and four tanks.

4.2 CITY IOF

SPR has not issued any drilling plans for the City IOF that present information about historical production, planned drilling of new wells, or planned abandonment of wells. This study relies on data available from the California Department of Conservation's Geologic Energy Management Division ("CalGEM") for the status of wells and production volumes of oil, natural gas, and water produced from each well in the City IOF.[18]

Operators are required to report the status of each California oil well to CalGEM, and this information is available to the public through the CalGEM public portal.[19] The CalGEM data provides a monthly "snap shot" of individual well status and activity, as this information is reported by the oil field operator. As of January 1, 2020, this information was available for wells in the City IOF from 1977 through April 2018. CalGEM provides information for the 41 production and injection wells that were located in the City IOF during 2016, which is summarized in **Exhibit E**.

The CalGEM database shows that the status of wells within the City IOF has changed over time.[20] In 2013, 25 wells in the City IOF produced oil and gas, while 6 wells were idle or

[17] 2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 1.
[18] Data obtained from the CalGEM public portal as of January 2020 provided incomplete historical data prior to 1977 and incomplete data since April 2018. Well data after April 2018 was unavailable while CalGEM performed updates to its public portal.
[19] CalGEM was known as the Division of Oil, Gas, and Geothermal Resources ("DOGGR") prior to January 2020.
[20] https://www.conservation.ca.gov/calgem/Pages/Index.aspx.

shut-in (these wells were available but did not produce oil or gas), and 10 wells were used for water injection. During SPR's first year of operation in 2017, 21 wells produced oil and gas, 10 wells were idle, and 10 wells were used for water injection. CalGEM reports that the last new oil well drilled within the City IOF was completed in 2002.[21]

During 2017, the 21 production wells located in the City IOF produced about 211 B/D of crude oil, 16 barrels of oil equivalent per day[22] ("BOE/D") of natural gas, and 12,023 B/D of water. The 211 B/D of crude oil produced from wells in the City IOF represented about 3.8% of the 5,520 B/D of crude oil produced from the IOF in 2017.[23] As a percentage of the 12,250 B/D of total production fluids produced from wells in the City IOF in 2017, crude oil was less than 2% and water comprised more than 98% of fluids produced from wells in the City IOF.

SPR has provided no plan to the City that proposes a program for the future development of oil and gas operations in the City IOF. Based on the annual plans that SPR has issued to the County under the CSD, it appears unlikely that SPR will drill new wells in the City IOF or plans to plug and abandon wells that are currently idle or shut in.

[21] https://www.conservation.ca.gov/calgem/Pages/Index.aspx.
[22] Natural gas is measured in cubic feet and converted to barrels of oil equivalent, or BOE, based on the relative heating value of crude oil and natural gas.
[23] 2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 1.

5. INCOME MODEL

This study uses a standard financial analysis to determine the time required for ACI in oil and gas production facilities within the City IOF. This financial analysis has been organized into an income model that can be utilized to validate the assumptions used and to evaluate potential changes in assumptions. The methodology, application, test for ACI, and baseline assumptions used in the income model are summarized in the following discussion.

5.1 METHODOLOGY

Amortization is a common accounting concept that refers to the allocation of a capital account over time. For the amortization of a loan, the loan is often amortized by making regular payments of principal and interest over a fixed term. For investments in capital assets, the investment is amortized for accounting and tax purposes by allocating the capital investment to specific periods over the life of the asset. In these examples, the initial value of the loan or the capital investment are known and the purpose is to determine the amount of payment or accounting depreciation for each period.

The income analysis in this study uses the same conceptual framework of offsetting a capital investment with periodic receipt of income to determine the time required for ACI. ACI occurs when cumulative income from an investment is sufficient to offset the initial capital investment and provide a return on that investment to the owner. In this analysis, the initial capital investment and the periodic income are known, or can be reasonably estimated, and the purpose is to determine the time required for ACI.

5.2 APPLICATION

In the application of an income model to a simple use, such as a sign or billboard, the time required for ACI may be determined by offsetting the capital investment to install the fixture with rental income until the land owner achieves a fair rate of return. Net income (rent less expenses and taxes) is accumulated until the cumulative net income exceeds the original capital investment and a fair rate of return, at which time ACI has occurred.

In the application of an income model to complex uses, such as an oil field, the analysis often involves many more variables over longer periods of time. An income analysis of an oil field may consider the impact of distinct ownership rights for surface use and mineral extraction, and changes in ownership of these rights. An income analysis of oil and gas facilities also considers numerous variables that change over time, both historically and into the future. These variables include the following:

- Capital investments;
- Sustaining capital investments required to maintain production capacity;
- Revenues;
- Changes in revenues due to market events or changes in production;
- Operating expenses;
- Income taxes; and
- Market rates of return.

For complex situations, an income model is often used to account for capital investment and variables that determine net income. Historical information and projections are organized into annual income statements. The income statements begin with revenues and deduct operating expenses, income taxes, and sustaining capital investment to determine net cash flow available to offset all capital investment and to provide a fair rate of return on capital. Financial metrics are calculated for each annual period to test for ACI.

5.3 TESTS FOR AMORTIZATION OF CAPITAL INVESTMENT

An income model for oil and gas facilities is organized around financial concepts used in discounted cash flow analysis. A discounted cash flow analysis is commonly used in the oil and gas industry to evaluate capital investments, to make operating decisions, and to evaluate exit strategies. The tests for economic viability generally used in discounted cash flow analysis can also be applied as tests for occurrence of ACI. These tests include the Internal Rate of Return ("IRR") and the Net Present Value ("NPV").

When the IRR is used as a test, ACI occurs in the year when the IRR exceeds a market return on capital for companies in the oil and gas industry. The income model calculates a cumulative IRR for each year of the analysis. A market return on capital is determined by reviewing financial results for a peer group of companies with similar businesses. ACI occurs when the cumulative IRR from the time of the original investment exceeds the market return on capital for oil and gas companies.

When the NPV is used as a test, ACI occurs in the year when the NPV exceeds zero. The income model calculates a cumulative NPV for each year of the analysis by discounting income from the time of the original investment. The discount rate used to determine NPV is the market return on capital for oil and gas companies. ACI occurs when the cumulative NPV exceeds zero.

The market return on capital provides for a return of capital investment and a fair rate return on capital. For this study, the market return is an industry rate of return characteristic of oil and gas production companies. The IRR and NPV tests are expected to provide the same conclusion for ACI, since the definition of IRR is the return on capital when NPV is equal to zero. However, these tests provide different insights into ACI. The comparison of IRR to a market return on capital provides a relative measure that can change from time to time. The NPV serves as an absolute measure of ACI from year to year when the market return on capital is used to discount cash flows.

5.4 BASELINE ASSUMPTIONS

An income model used for analysis of oil and gas facilities requires certain baseline assumptions. Specific information about the oil and gas facilities is needed to prepare a representative income model, including the amount of initial capital investment and net cash flow based upon production rates, crude oil quality, netback prices for crude oil and natural gas royalty costs, operating costs, and sustaining capital expenditures. Historical information, projections of future operations, and changes in market environments are also used in developing the baseline assumptions for an income model.

Baker & O'Brien has prepared the income model for this study using public information to develop baseline assumptions. This public information includes data that is specific to the wells that are operated in the City IOF and public disclosures by other operators with similar

operations in California. Where public information was not available (such as future production rates from wells in the City IOF), Baker & O'Brien has developed reasonable estimates based upon our consultants' experience and proprietary information available to us.

Proprietary information about the oil and gas operations in the City IOF was not available from SPR for this study. While such information would have been helpful, it is not necessary for development of the income model used in this study. If SPR records were available, they would have been used for validation purposes and possibly to extend the analysis to historical periods prior to the availability of public data for the City IOF.

5.4.1 INFORMATION SOURCES

Public information used in developing the baseline assumptions for the income model includes the following:[24]

- CalGEM's public portal, which provides historical production data for individual wells in the City IOF for the period from 1977 through 2017;[25]
- Public reports of capital investment and operating costs issued by other operators of water-flood fields in California, including CRC and PXP;
- Historical market prices published by World Bank, the U.S. Federal Reserve, and S&P Global Platts;
- Price forecasts published by the U.S. Department of Energy's U.S. Energy Information Administration ("EIA");
- Income tax rates and depreciation schedules published by the U.S. Internal Revenue Service ("IRS") and the State of California; and
- Inflation indices published by the U.S. Department of Commerce, Bureau of Economic Analysis.

[24] Public information includes general reference information as well as information available to Baker & O'Brien and other subscribers under license.
[25] https://www.conservation.ca.gov/calgem/Pages/Index.aspx.

Certain proprietary information was used in combination with our consultants' experience and engineering judgement to develop certain baseline assumptions for the income model. This information includes the following:

- Capital expenditures were estimated for drilling and completion costs, workover costs, and plug and abandonment costs;
- Future production rates from individual wells were estimated using a proprietary software package often used in petroleum engineering applications, including reservoir management;
- Operating costs were estimated for oil and gas production and for water injection; and
- The quality of Inglewood crude oil.

Data obtained from CalGEM's public portal for the wells located in the City IOF is detailed and forms the basis for historical and projected production rates of oil, natural gas, and water in the income model. The CalGEM public portal provides individual well data from 1977 through April 2018 in a searchable database format, as it was reported by operators. The CalGEM records for the City IOF contain some minor anomalies in well status and production rates, which appear to be reporting errors that are not material to this study.

5.4.2 INITIAL CAPITAL INVESTMENT

Initial capital investment generally refers to the owner's original investment to acquire mineral rights and commence production of oil and gas. This study considers two scenarios for initial capital investment. In the first scenario, SPR's initial capital investment in the City IOF occurred when it closed its acquisition with FCX in 2017. In the second scenario, initial capital investment is the original costs to drill and complete the wells and infrastructure in the City IOF that were made by previous operators between 1925 and 2016.

Since there is no common basis in the amount and timing of the initial capital investment during SPR's ownership and initial capital investment in the actual drilling and completion of wells in the IOF prior to SPR's ownership, the initial capital investment is evaluated separately for each scenario.

5.4.3 SUSTAINING CAPITAL INVESTMENT

Sustaining capital investment is required for every oil and gas property to maintain its productive capacity. For the City IOF, sustaining capital investment in well workovers is required to replace and renew surface and down-hole equipment to maintain mechanical integrity and production rates.

Historical and projected sustaining capital investment is included in the income model by making an allowance for a workover in each producing well at seven-year intervals. CalGEM production data for individual wells between 1977 and 2018 was analyzed to determine that a seven-year workover interval is characteristic of wells in the City IOF. The income model uses workover costs that are estimated to be $180,000 per well in 2018,[26] with adjustment for cost escalation prior to and subsequent to 2018.[27]

5.4.4 PLUG AND ABANDONMENT COSTS

Plug and abandonment costs are required to safely and permanently remove a well from service and to restore the immediate area to its natural condition. These costs are considered to be capital investment.

The income model used to determine the timing of ACI does not include plug and abandonment costs based upon SPR's actual activity. The income model only considers wells in the City IOF that were in production or available for production when SPR purchased the IOF. CalGEM indicates that these wells remained in production or available for production into early 2018, and SPR has proposed no plan to plug and abandon any wells in the City IOF.

5.4.5 PRODUCTION VOLUMES

Historical production volumes of crude oil and natural gas are reported by CalGEM between 1977 and April 2018 for individual wells in the City IOF. This information was compiled in the income model to calculate the total amount of crude oil and natural gas produced from the City IOF.

[26] *Value-Driven November Corporate Presentation*, California Resources Corp., Nov 2018, pg 40.
[27] Cost factors were adjusted for escalation using the Personal Consumption Expenditures: Chain-type Price Index, published by the U.S. Department of Commerce, Bureau of Economic Analysis.

Future production volumes of crude oil and natural gas were projected using a software package often used in oil and gas reservoir management. The projections rely upon historical production volumes reported by CalGEM that are used to calculate future volumes based on a characteristic decline curve. Projections were checked to confirm that well economics support workover and operating costs needed to produce the projected volumes.

The income model uses the production history and forecast for crude oil and natural gas shown in **Exhibit F**.

5.4.6 NETBACK CRUDE OIL PRICES

Netback prices for crude oil are the prices received for delivery at the County IOF. Inglewood crude oil is injected into a Chevron pipeline for delivery to Los Angeles area refineries.

There is no independent market price assessment for Inglewood crude oil. Historical prices are available for Line 63 crude oil delivered from the San Joaquin Valley by Plains All American Pipeline to its terminal in Long Beach, California. Inglewood crude is assumed to be priced competitively with Line 63 crude delivered to Long Beach, with adjustments for differences in quality. Inglewood crude quality has been reported as 24.4 degrees API ("°API")[28] with a sulfur content of 1.77%. Inglewood crude is lower quality and less valuable than Line 63 crude, which is reported to be 28 °API with a sulfur content of 1.02%. The income model assumes that Inglewood crude is discounted by $1.75 per barrel ("/B") from the price for Line 63 crude to represent the difference in market value for crude quality. The netback price received by SPR for Inglewood crude is estimated to be the price for Line 63 crude at Long Beach, less the quality discount, less an estimated pipeline transportation cost of $0.25/B to move Inglewood crude approximately 20 miles from the IOF to Long Beach.

Inglewood crude oil prices are projected based upon future prices for Brent crude oil provided in the Department of Energy's Annual Energy Outlook for 2019 ("AEO 2019"). Brent crude prices serve as a global benchmark for crude oil prices. The outlook for Brent prices is

[28] The abbreviation "°API" refers to API Gravity, which is a standard method of measuring the density of crude oil and petroleum products.

used to project Line 63 prices, which are discounted to determine projected netback prices for Inglewood crude oil.

Netback prices for Inglewood crude oil are shown in **Exhibit G**.

5.4.7 NETBACK NATURAL GAS PRICES

Netback prices for natural gas are the prices received for delivery at the County IOF. Inglewood natural gas is treated to pipeline quality and injected into the Southern California Natural Gas Co. ("SoCalGas") system. Historical price assessments for natural gas are available for delivery to the SoCalGas "City Gate," which is a virtual trading location. No discounts are applied to Inglewood natural gas for transportation or quality for delivery at City Gate.

Natural gas prices are projected based upon future prices for natural gas delivered at Henry Hub provided in the AEO 2019. Henry Hub serves as a benchmark for North American natural gas prices. The outlook for Henry Hub natural gas is used to project City Gate natural gas prices. No adjustments are applied to projected City Gate prices to project netback prices for Inglewood natural gas.

Netback prices for Inglewood natural gas are shown in **Exhibit G**.

5.4.8 ROYALTIES

Owners of mineral rights earn a royalty on commercial volumes of oil and gas produced from their property. Royalty terms are provided in lease agreements between landowners and oil and gas companies, which vary from lease to lease and are often confidential. The income model deducts royalties on oil and gas production from revenues to determine net cash flow.

A listing of IOF landowners in 2008 shows that at least six landowners owned parcels within the City IOF, but the listing does not indicate if these landowners also owned mineral rights.[29] No further information is readily available that provides royalty rates or other terms of leases between landowners and SPR or its predecessors. No public information is available

[29] Final Environmental Impact Report, Baldwin Hills Community Standards District, Oct 2008; pg. 2-4, 2-5.

about royalties that have actually been paid to landowners for oil and gas production from the City IOF.

The income model assumes a 15% royalty rate as an allowance for royalties and other land lease costs paid to owners of mineral rights. This discount is applied to the market value of oil and natural gas produced from the City IOF. This rate is within the range of a 12.5% royalty rate that is generally applicable to federal leases and the 16.66% royalty rate applicable to leases for oil and gas extraction for California state lands.

To the extent that SPR acquired mineral rights in the City IOF in 2017, royalties would not be applied to oil and gas produced from SPR's ownership interest. If SPR's ownership interests include mineral rights, the income model is conservative since it applies the royalty rate to all production, extending the time required to achieve ACI.

5.4.9 OPERATING COSTS

Oil field operating costs include labor, utilities, operating materials, maintenance materials, spare parts, general and administrative expenses, insurance, property taxes, and permits. The income model deducts operating costs from available income, which are estimated as the cost per barrel of crude oil, the cost per BOE for natural gas, and the cost per barrel of produced water. These estimated operating costs for the City IOF include costs for operations to separate production fluids into oil, gas, and produced water, as well as to treat crude oil and natural gas for delivery to local pipelines, which are all conducted in the County IOF.

CRC owns and operates oil and gas field developments in California, some of which are similar to the IOF. In a presentation to investors, CRC reported operating costs in 2018 for its oil and gas operations in California. CRC reported that operating expenses for an infill well were $8/BOE[30] and total operating expenses for a waterflood redevelopment well were $19/BOE.[31] These wells are similar in operation to the wells in the City IOF.

The income model uses estimated operating costs of $8.00/B for oil production, $8.00/BOE for gas production, and $0.25/B for water injection as of 2018, with adjustments for

[30] *Value-Driven November Corporate Presentation*, California Resources Corp., Nov 2018,, pg 57.
[31] *Value-Driven November Corporate Presentation*, California Resources Corp., Nov 2018,, pg 53.

cost escalation prior to and subsequent to 2018. These operating costs amount to total operating costs of $24/BOE, which are conservative when compared to total operating expenses of $19/BOE reported by CRC.

5.4.10 INCOME TAXES

Income taxes are deducted from income to determine the cash flow available for ACI. The income model deducts federal and state income taxes from revenues produced by the City IOF. Income before taxes is adjusted for depreciation of capital investment and for tax loss carry-forward (where applicable). The analysis assumes a federal income tax rate of 35% prior to 2018 and 21% in 2018 and later years, which represent the highest corporate federal tax brackets in effect. The income model assumes a California income tax rate of 9%, which is the highest corporate tax bracket in effect.

Two depreciation schedules are used in the income model for calculation of income taxes. The following depreciation schedules are provided by the IRS:

- *Drilling of new wells*: The IRS provides a depreciation schedule for drilling of new oil and gas wells, which provides a straight-line depreciation schedule over four years; and

- *Other capital investment, including work-overs and plug and abandonment of wells*: The IRS provides its Modified Accelerated Cost Recovery System ("MACRS") depreciation schedule that is applicable for most business and investment property placed in service after 1986. The MACRS schedule for "*assets used by petroleum and natural gas producers for drilling wells and production of petroleum and natural gas, including gathering pipelines and related storage facilities…separation equipment, compression or pumping equipment, and liquid holding or storage facilities…*"[32] provides an accelerated depreciation schedule over eight years.

It is noted that these depreciation schedules allocate capital investment over a defined period for purposes of determining applicable deductions for income tax purposes. In the

[32] IRS MACRS Asset Class 13.2.

income model, deduction of depreciation to determine taxable income increases the amount of net cash flow and reduces the time required to achieve ACI.

5.4.11 INDUSTRY RATE OF RETURN ON INVESTMENT

As noted above, the tests for ACI are compared to an industry rate of return on investment. The industry return on investment is a total rate of return that is generally realized by oil and gas production companies.

A "market" industry rate of return on investment is estimated by evaluating the weighted average cost of capital ("WACC") typical of production and exploration companies in the oil and gas industry. The WACC represents the combined cost of equity capital and debt capital used to finance a company. Equity capital earns a market return on equity and debt capital receives market rates of interest.

Estimates of the WACC for oil and gas companies are available from various public sources. One analysis of WACC for oil production and exploration companies considers 269 public companies, which are mainly structured as corporations.[33] For this group, the WACC has ranged between 7% and 8.5% since 2016, as shown in **Exhibit H**.[34] The income model assumes an industry rate of return of 8%, which is above the average of companies engaged in oil and gas operations from 2016 through 2019. This industry rate of return is characteristic of returns on capital investment to an owner that is organized as a corporation that pays income taxes on net operating income.

It is noted that SPR is organized as a limited liability company ("LLC"), which is a "pass-through" corporate structure sometimes used by companies engaged in oil and gas operations. As a pass-through corporation, an LLC does not pay corporate income taxes, but distributes income to LLC partners that pay income taxes based on each partners' particular tax situation.[35] The income model is not structured to calculate ACI for a pass-through corporate structure, which would also require further changes to calculations of income taxes, as well as information about cash distributions to SPR partners that is not available to the public.

[33] http://pages.stern.nyu.edu/~adamodar/New_Home_Page/.
[34] http://pages.stern.nyu.edu/~adamodar/New_Home_Page/.
[35] *MLP Primer Fifth Edition*, Wells Fargo Securities, October 31, 2013; pg. 19.

6. SPR ACQUISITION

The income model was used to determine the time required for ACI for SPR's capital investment to acquire its interest in the City IOF and projected sustaining capital investment after the acquisition. This analysis developed annual cash flow statements that begin with SPR's initial investment in 2016 and continue through 2026. The income model uses the baseline assumptions listed in Section 5.4 above for this analysis, except as noted in the following discussion.

The City IOF was a small portion of SPR's much larger acquisition of a portfolio of FCX's interests in the IOF and other California onshore oil and gas properties, which included properties in the Los Angeles Basis, coastal zones, and the San Joaquin Basin that produced a total of 28,000 B/D of crude oil.[36] Oil production of 211 B/D from the City IOF in 2017 amounted to 0.75% of the total crude oil produced from the FCX properties. No public information is available that provides an allocation of SPR's purchase price to either of the IOF or the City IOF. Baker & O'Brien has valued SPR's initial capital investment to purchase the City IOF as an arm's length transaction between a buyer and seller in accordance with California State Board of Equalization guidelines for determining the fair market value of oil and gas production properties.[37]

6.1 INITIAL CAPITAL INVESTMENT

SPR's initial capital investment is the portion of its acquisition price that can be attributed to the City IOF. Since there is no public information concerning an allocation of the acquisition price to the City IOF, SPR's initial cost to acquire this portion of the IOF is estimated by considering the three standard indications of value, using the income approach, the cost approach, and the market approach.

[36] https://www.globenewswire.com/news-release/2016/10/14/1194556/0/en/Sentinel-Peak-Resources-Announces-the-Acquisition-of-Freeport-McMoRan-… .
[37] California State Board of Equalization, Assessor's Handbook Section 566 Assessment of Petroleum Properties, August 1996.

6.1.1 INCOME INDICATION OF VALUE

The income approach evaluates the present value of future income from a property at the time of the transaction using a discounted cash flow analysis. For the City IOF, this analysis considers projections of oil and gas production, the outlook for commodity prices, and projections of operating costs and capital expenditures for 10 years from the purchase date. Projections were developed based upon the market outlook in 2016, when SPR announced its intention to acquire the FCX properties. Projected annual net cash flow is discounted to present value as of January 1, 2017, using the oil and gas industry return on capital of 8%. The present value of this discounted cash flow analysis provides an income indication of value for the City IOF of $5.34 million as of January 1, 2017.

6.1.2 COST INDICATION OF VALUE

The cost approach determines a deferred replacement value ("DRV") for a property, which is the value to a buyer of deferring capital investment in new facilities until the service life of existing facilities is exhausted. The cost approach considers the original capital cost of facilities in place and the remaining life of these facilities based upon the current condition and normal maintenance activities. For the oil and gas production wells in the City IOF, the functional replacement value was $15.1 million in 2017, and the DRV cost indication of value was $3.00 million. It is noted that Baker & O'Brien consultants have not visited the site as of the Effective Date, and this analysis assumes that the wells are in normal condition relative to in-service dates reported by CalGEM.

6.1.3 MARKET INDICATION OF VALUE

The market approach evaluates the value of a property by reference to sales prices for similar properties that were sold near the valuation date. For the City IOF, Baker & O'Brien researched: 1) transactions of small oil and gas properties in California that produce heavy-sour crude oil; and 2) transactions involving transfer of ownership in the IOF.

A search for transactions involving properties similar to the City IOF identified a small number of potential comparisons. However, there is insufficient public information available to establish comparability or to make suitable adjustments to cash equivalent prices ("CEP") and no useful sales comparisons were identified.

Review of transactions involving transfers of ownership in the IOF provided no allocations of purchase prices to the City IOF. However, public information is available that can be used to estimate a CEP realized for SPR's purchase of the FCX California properties. The CEP may be allocated based upon crude oil production, as shown in **Exhibit I** and summarized below:

- The parties announced a total sales price for the FCX portfolio properties of $742 million, including contingent payments, but omitting the value of liabilities transferred to SPR.

- The announced price is adjusted to CEP as follows: 1) contingent payments for 2019 and 2020 are deducted since the floor price of Brent crude was not achieved;[38] and 2) the transfer of liability for abandonment is added to the sales price. These adjustments are offsetting and the CEP for the FCX properties was $742 million.

- The CEP is allocated to the City IOF, according to crude oil production. For 2017, crude production from the City IOF represented 0.75% of the total crude production of 28,000 B/D from the FCX portfolio properties.

This analysis provides a market indication of value of $5.59 million for the City IOF, based upon its pro-rata share of total crude oil production from the FCX properties.

6.1.4 FAIR MARKET VALUE

The three indications of value are weighted to determine a conclusion of fair market value for the property:

- The income indication of value is based on projected income from the production of oil and gas from wells in the City IOF at the time of the acquisition, using information available to SPR or any buyer in 2016. This information includes the market value of oil and gas production, operating costs that are higher than typical

[38]These adjustments are retrospective as of the Effective Date. In September 2019, quoted prices for futures contracts for delivery for Brent crude oil indicated prices of less than $70/B during 2020. See *This Week in Petroleum*, EIA, Oct. 9, 2019.

costs for water flood operations, typical levels of sustaining capital, and an industry return on capital.

- The DRV indication of value is based on the cost to replace the oil and gas production wells in the City IOF and the remaining life of existing wells using information available to SPR or any buyer in 2016 from CalGEM. It is noted that the DRV does not reflect any impact on value from production declines, depletion of reserves, or the ratio of oil to water production. The DRV also implicitly assumes that economics are sufficient to replace facilities. Assuming that wells in the City IOF are in normal condition for their age, nearly all were operating far beyond the typical service life in 2017. The DRV indication of value is consistent with little remaining life in these assets without new capital investment.

- The market indication of value for the City IOF is based on the CEP that SPR paid for a much larger portfolio of properties. The allocation of 0.75% of the value to the City IOF assumes that the production from these wells is equivalent in value to the 99% of production generated by all of the other properties. However, the high water cut, above average operating costs, and the need for capital investment associated with wells in the City IOF indicates that the market indication of value may be less reliable for the City IOF than for other properties that SPR acquired.

The conclusion of the fair market value of the City IOF in an arm's-length transaction on January 1, 2017, is $4,642,000, as shown in the table below. This conclusion equally weights the three indications of value and reflects the age and status of wells in the City IOF. The income model uses $4.65 million to represent SPR's initial capital investment in the City IOF.

	Indicated, $	*Weighting, %*	*Value, $*
Income	5,341,000	33.3	1,778,553
Cost	2,997,000	33.4	1,000,998
Market	5,592,000	33.3	1,862,136
Weighted		100	4,641,687

6.2 SUSTAINING CAPITAL INVESTMENT

The income model includes sustaining capital investment in workovers during the projection period. These workovers are related to 1) returning idle wells to oil and gas production; and 2) renovation of operating production wells at seven-year intervals.

6.3 MODEL RESULTS

The income model demonstrates that ACI for SPR's capital investment in the City IOF is achieved during 2020, within four years of the acquisition date. Achievement of ACI within four years of SPR's acquisition is demonstrated by the cumulative IRR exceeding the industry rate of return during 2020 (as shown in **Exhibit J**) and by the cumulative NPV achieving a positive value during 2020 (as shown in **Exhibit K**).

7. DRILLING AND COMPLETION INVESTMENT

Initial capital investment to drill and complete production wells in the City IOF is also evaluated, beginning with the first wells in 1925 and extending to the last wells that were drilled in 2002. To evaluate ACI for existing oil and gas facilities in the City IOF, an income model would consider the following historical information:

- The 95-year history of oil and gas operations;
- Multiple changes of ownership interests;
- Records of capital investment for drilling and completion, workovers, well stimulations, and plug and abandonment;
- Records of oil and gas production rates, revenue realized for sales of crude oil and natural gas, and operating expenses; and
- Operation of the City IOF as a small part of a much larger oil field development.

For wells drilled since 1977, this information is available or can be reasonably estimated. The income model was used to determine the time required to achieve ACI for six individual production wells drilled in the City IOF at various times since 1977.

For wells drilled prior to 1977, public records needed to develop baseline assumptions for capital investment and revenue extending back to 1925 are generally incomplete or unavailable for use in an income model. However, estimates of capital investment, production volumes, oil prices, and operating costs are used in an income model to develop aggregate economics for wells completed during various periods prior to 1977. These economics can be compared to similar benchmarks for the six wells completed since 1977 to determine if payback of capital investment for older wells is similar to that for newer wells.

7.1 WELLS DRILLED SINCE 1977

The income model was used to determine the time required to achieve ACI for individual wells in the City IOF that were drilled and completed in the City IOF since 1977. Since these wells were completed and began production during the period in which historical records are

generally available, baseline assumptions needed for an income model are available or can be reasonably estimated. Baseline assumptions for this analysis include the following:

- Capital costs are current costs adjusted for escalation in costs reported by EIA for drilling and completion of the wells and workovers;[39]
- Production rates for crude oil, natural gas, and water are from CalGEM;
- Netback values for crude oil and natural gas are based on price assessments; and
- Operating costs are current costs adjusted for inflation.

The results of this analysis are summarized below and tabulated in **Exhibit L**.

- For two wells completed in 1977 and 1979, ACI was achieved within three years;
- For two wells completed in 1982 and 1985, ACI was not achieved; and
- For two wells completed in 2002, ACI was achieved within five years.

These results illustrate that productive wells achieve ACI quickly, while unproductive wells may never realize ACI. Several metrics are presented in **Exhibit L** that are based upon the average of the first five years of operation for each of the wells.

- *O&G BBL*: This is the average volume of crude oil and natural gas for each of the first five years of operation. Oil production is strongly correlated with IRR. Wells that produce more oil and gas achieve higher IRR.
- *Water BBL*: This is the average volume of water produced for each of the first five years of operation. Higher water production results in higher operating costs.

[39] U.S. Nominal Cost per Foot of Crude Oil Wells Drilled, EIA, December 17, 2019.

- *Water Cut %*: This the portion of water produced from well fluids.[40] Wells that have lower water cuts achieve higher IRR.

- *Oil Price, $/B*: This is the average netback price for Inglewood crude over the first five years of operation.

- *Capex Avg. $/B Oil*: This is the investment cost divided by the volume of oil and gas produced over the first five years of operation.

- *Opex $/B Oil*: This is the total of operating costs and royalties divided by the volume of oil and gas produced over the first five years of operation.

- *Oil Price / Capex + Opex*: This ratio divides the oil price by total expenses for the first five years of operation. This ratio is highly correlated with IRR. Wells with a higher ratio of oil price to total expenses achieve higher IRR.

- *Simple Payback Yr*: This is the ratio of capital investment to average earnings during the first five years before interest, taxes, depreciation, and amortization. Simple payback usually occurs more quickly than ACI since simple payback does not consider tax effects or return on capital investment.

These metrics confirm that the time required for ACI depends mainly upon high production rates and the ratio of oil prices to total expenses over the first several years of operation. Although two of the six wells drilled in the early 1980s did not achieve the target industry return on capital used in this analysis, these wells were ultimately profitable, generating IRR of between 5.0% and 6.5% by 2016. When compared to the other wells that achieved ACI within five years, these two wells produced much less oil, produced much more water, and started operation during a period of low oil prices.

Four of the six wells achieved ACI within an average time of three years. The simple payback for these four wells averaged 1.7 years. Although completed at different times and with much different capital investment and operating expenses, oil prices averaged twice the total

[40] The water cut is the fraction of production fluids from the well that is water. For example, a 96.5% water cut means that 96.5% of the production fluids are water.

expenses during the first five years of operation, and these wells delivered an average IRR in excess of 40%. For these wells, ACI occurred no later than 2006.

7.2 WELLS DRILLED PRIOR TO 1977

Development of an income model to evaluate initial investment in drilling and completion costs requires the same type of information used to evaluate SPR's initial capital investment, including capital investment, production rates, operating expenses, and industry rates of return. For wells in the City IOF drilled between 1925 and 1977, much of this information is not available and independent data is generally not available to validate estimates prior to 1980.

Oil and gas production economics in California have been subject to competing market forces since the IOF began to produce oil in 1925. First, demand for crude oil and market prices for crude oil in California have trended upwards since the 1950s, supporting capital investment in expanding production of oil and gas. Second, technological advancements in the science of finding oil, evaluating reservoirs, and managing production from reservoirs have raised costs for these activities, but have also increased the success rate of new wells and the economic life of old wells. Third, increased regulatory and operational oversight by federal, state, and local governments have resulted in rising cost burdens for operators to manage regulatory affairs.

7.2.1 HISTORICAL CONTEXT

For purposes of evaluating initial economics for wells drilled in the City IOF between 1925 and 1977, it is useful to consider the following periods:

- *1925 to 1949*: During this period, demand for petroleum expanded with increasing number of light vehicles and response to two world wars. Drilling for oil and gas depended mainly upon an operator's individual experience and skill in developing and operating a particular oil field. During this time, numerous individual operators drilled for oil in the IOF. Although records are not available for specific wells, peak oil production of 90,000 B/D of crude oil was produced from the IOF in 1925,[41] 15 times production levels in 2017. Regulatory burdens were minimal and localized. Drilling costs and operating costs were much less than modern costs, and are

[41] Final Environmental Impact Report, Baldwin Hills Community Standards District, Oct 2008; pg. 1-1, pg. ES-5.

estimated to have been 50% of modern costs during this period, after adjustment for inflation.

- *1950 to 1976*: During this period, demand for petroleum expanded with post-war economic activity, while price levels were low by modern standards. Significant technical advancement in petroleum engineering applications increased drilling costs per well, but provided large economic benefits, including a higher success rate and improved recovery of oil and natural gas. Regulatory frameworks for resource management were established during this time, but there was little regulatory burden related to environmental protection. During this period, ownership rights in the IOF were consolidated with Chevron becoming the sole operator during the 1970s. Drilling costs and operating costs had increased from levels prior to 1950, and are estimated to have been 75% of modern costs during this period, after adjustment for inflation.

- *1977 to 2016*: This is the modern period, beginning with the OPEC oil embargo, continuing with development of world-wide trade in petroleum, and more recently subject to extensive regulation related to water quality, air quality, and carbon dioxide emissions. Demand for petroleum increased globally during this time with economic development, resulting in periods of high prices followed by periods of low prices in response to market disruptions and geopolitical events. Technical advancements in oil field development continued with computer-aided reservoir visualization and management tools. With passage of much more restrictive environmental protections to preserve clean water and clean air in the late 1970s, implementation of increasingly stringent regulations has resulted in much higher cost burdens for regulatory compliance at all levels of government. Modern costs for drilling and oil field operations are assumed to be characteristic of this period with adjustment for inflation.

7.2.2 ANALYSIS

Since detailed information is not available, wells drilled prior to 1977 are analyzed in the aggregate, with 6 wells drilled from 1925 to 1949 and 16 wells drilled from 1950 to 1976. The second period was subdivided to evaluate 6 wells drilled from 1950 to 1959 and 10 wells drilled

from 1960 to 1977. Although wells are drilled at different times during these periods, production was estimated from the first year of operation for each well and then aggregated for all of the wells drilled during the period. Metrics are calculated for each group of wells, including IRR, the ratio of oil price to total expenses, and simple payback. These metrics may be compared to the same metrics for the individual wells drilled between 1977 and 2002.

For all of the wells, production of crude oil, natural gas, and water was estimated for the first fifteen years of operation based upon actual production rates for the five-year period from 1977 to 1982. A "type-curve" was used for estimating production rates for each of the wells using historical production data reported by CalGEM for four of the six wells drilled between 1977 and 2002. Production from each of these wells during the first fifteen years of operation was normalized to the first year of production and the aggregated production was used to estimate the relationship of production over time. This relationship is the type-curve for these wells. Although the type-curve used in this analysis is similar to type-curves published for waterflood operations in other fields, this type-curve represents the relationship of initial production to long-term production for wells drilled in the City IOF subsequent to 1977.

To value estimated production rates, netback prices and operating costs were estimated by "back-casting" from more recent data. Back-casting assumes that trends observed in available historical data can be applied retrospectively. Assumptions used in this analysis for estimating historical market prices and operating costs are summarized:

- *Netback prices*: Netback prices for Inglewood crude oil and natural gas were back-casted using reported market prices for benchmark commodities, including WTI crude, Brent crude, and Henry Hub natural gas. Differentials to benchmarks were trended for inflation and estimated prior to 1950.

- *Operating Costs*: Operating costs in 1977 were back-casted by adjusting for historical inflation. In addition, operating costs were reduced from modern costs by 25% from 1950 to 1977 and by 50% from 1925 to 1949.

- *Drilling and Completion Costs*: Drilling costs in 1977 were back-casted by adjusting for historical inflation. In addition, operating costs were reduced from modern costs by 25% from 1950 to 1977 and by 50% from 1925 to 1949.

7.2.3 CONCLUSION

This analysis demonstrates that wells in the City IOF that were drilled prior to 1977 have similar economics to the six individual wells evaluated using the income model. The results of this analysis are summarized in **Exhibit M** and shows that the simple payback on the older wells was about five years. Other metrics, including water cut and the ratio of oil price to total expenses, are similar to the four individual wells drilled after 1977 that achieved ACI. This analysis demonstrates that initial investment in the City IOF between 1925 and 1977 achieved ACI well before 2016.

7.3 SUMMARY

The income model was used to determine the time required for ACI for six individual wells in the City IOF that were drilled after 1977. These wells were evaluated because complete production history was available for fifteen years following well completion and other information was available to support baseline assumptions for most of the period. This analysis confirms that ACI in drilling and completion of oil wells in the City IOF has typically been achieved within a short time, although there is significant variability among individual wells. While IRR for two of the wells did not exceed the target industry rate of return, four of the six wells achieved ACI within five years. It is reasonable to expect that performance of individual wells will be variable, but will achieve ACI in aggregate.

This expectation is confirmed by analysis of economics for wells in the City IOF that were drilled prior to 1977. For wells drilled in each of the four periods evaluated, the simple payback was less than six years and the aggregate production volumes were sufficient to generate returns in excess of current industry rates of return. The detailed economic factors for the aggregate performance of older wells are comparable to the six individual wells that are evaluated using the income model, indicating that the older wells achieved ACI in a similar period of time.

8. SENSITIVITY ANALYSIS

The income model was used to test the impact of changes in key assumptions used in determining the time required to achieve ACI for SPR's acquisition of the City IOF. The Base Case assumptions used in the model are shown in **Exhibit N**. The following sensitivities were evaluated:

SPR Acquisition Cost: The income model was used to test the impact of a change in SPR's initial capital investment on the time required to achieve ACI. The fair market value of $4.65 million for the City IOF was replaced with the income indication of value of $5.34 million. Using a market value of $5.34 million, ACI occurs during 2021 and is achieved within five years of SPR's acquisition, as shown in **Exhibit O**. This analysis demonstrates that the time to achieve ACI has modest sensitivity to reasonable changes in the acquisition cost.

Crude Oil Quality Discount: The income model was used to test the impact of a change in the quality discount for Inglewood crude oil on the time required to achieve ACI. The quality discount for Inglewood crude of $1.75/B was replaced with a potential quality discount of $0.50/B. The discount of $0.50/B was selected based on declining production rates for San Joaquin Basin crudes and higher netback prices for Los Angeles Basin crudes relative to Line 63 crude. The lower quality discount increases the income indication of value and the weighted conclusion of value for the City IOF from $4.65 million to $4.73 million. Using a quality discount for Inglewood crude of $0.50/B, ACI occurs during 2020 and is achieved within four years of SPR's acquisition, as shown in **Exhibit P**. This analysis demonstrates that the time required to achieve ACI has little sensitivity to reasonable changes in the crude quality discount.

Return on Capital: The income model was used to test the impact of changes in the rate of return on capital on the time required to achieve ACI. The 8% industry rate of return in the income model was replaced with a rate of return of 12%, which was selected as the highest cost of equity for oil and gas companies since 2016.[42] The higher industry rate of return reduces the income indication of value and the weighted conclusion of value for the City IOF from $4.65 million to $4.27 million. Using a rate of return on capital of 12%, ACI occurs during 2021 and is

[42] See Exhibit H.

achieved within five years of SPR's acquisition, as shown in **Exhibit Q**. Although the graphs in **Exhibit Q** appear to indicate ACI during 2020, the model calculates an IRR of 11.9% and an NPV of $(8,000) during 2020, both of which are slightly short of the targets. This analysis demonstrates that the time required to achieve ACI has little sensitivity to reasonable changes in the rate of return.

EXHIBIT A: ABBREVIATIONS AND GLOSSARY

ABBREVIATIONS

°API	API Gravity
/B	Per Barrel
/BOE	Per Barrel of Oil Equivalent
ACI	Amortization of Capital Investment
AEO	Department of Energy's Annual Energy Outlook
API	American Petroleum Institute
B/D	Barrels per day
BBL	Barrel containing 42 U.S. gallons
BOE	Barrel of Oil Equivalent
BOE/D	Barrels of Oil Equivalent per day
CalGEM	California Department of Conservation's California Geologic Energy Management Division
CAPEX	Capital Expenditures
CEP	Cash Equivalent Price
City	City of Culver City
City IOF	Culver City portion of the Inglewood Oil Field
County IOF	Los Angeles County portion of the Inglewood Oil Field
CRC	California Resources Corporation
CSD	Baldwin Hills Community Standards District
DOGGR	California Department of Conservation's Division of Oil, Gas, and Geothermal Resources
DRV	Deferred Replacement Value
EIA	The U.S. Energy Information Administration, a division of the U.S. Department of Energy.
FCX	Freeport-McMoRan Oil & Gas LLC
IOF	Inglewood Oil Field
IRR	Internal Rate of Return
IRS	Internal Revenue Service

LLC	Limited Liability Company
MACRS	Modified Accelerated Cost Recovery System
NPV	Net Present Value
O&G	Oil & Gas
OPEX	Operating Expenses
Plan	Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan
PXP	Plains Exploration & Production Company
SoCalGas	Southern California Gas Company
SPR	Sentinel Peak Resources LLC
WACC	Weighted Cost of Capital
WTI	West Texas Intermediate

GLOSSARY

American Petroleum Institute (API): U.S. trade association for the oil and natural gas industry.

Annual Energy Outlook (AEO): An annual report published by the U.S. Energy Information Administration (EIA) that provides an outlook for energy markets.

API Gravity (°API): Measurement of the density of a petroleum liquid compared to the density of water.

Back-cast: A projection backwards in history based on trends in available data. Back-casts are prepared in cases where historical data is not readily available.

Baldwin Hills Community Standards District (CSD): The Baldwin Hills CSD was adopted by the Los Angeles County Board of Supervisors to establish regulations for oil and gas production operations in the unincorporated County portion of the Inglewood Oil Field. The City of Culver City portion of the IOF is not subject to the Baldwin Hills CSD regulations.

Barrel of Oil Equivalent (BOE): A measure of energy equivalent to burning one barrel of crude oil. BOE is commonly used to compare the energy contents of differing types of energy**.**

Brent Crude Oil: Crude oil produced and delivered at the Brent Complex located in the North Sea. Brent crude is the leading global price benchmark for crude oil and is used to set the price for two-thirds of internationally traded crude oil.

Bureau of Economic Analysis (BEA): The Bureau of Economic Analysis is a division of the U.S. Department of Commerce.

California Geologic Energy Management Division (CalGEM): CalGEM is the California oversight agency responsible for the regulation of the drilling, operation, and permanent closure of energy resource (i.e., oil, natural gas and geothermal) wells throughout the state. Formerly known as the Division of Oil, Gas, and Geothermal Resources.

California Resources Corporation (CRC): A publicly-traded oil and natural gas exploration and production company that develops properties exclusively in the State of California, primarily in the San Joaquin, Los Angeles, Ventura and Sacramento oil basins. CRC is California's largest oil and natural gas producer.

California State Board of Equalization (SBOE): The public agency charged with tax administration and fee collection in the State of California.

Capital Investment: Money spent by businesses to acquire assets that produce income.

Cash Equivalent Price (CEP): The sales price for a property that is measured in cash or money. In market transactions the CEP recognizes non-cash consideration in a transaction, such as the buyer's assumption of long-term debt obligations or environmental liabilities, as cash at the time of the transaction. The CEP is the cash value of all consideration exchanged in the purchase of a property.

Chevron Corporation: One of the successor companies to the Standard Oil Company (of California). Chevron is headquartered in San Ramon, California, and was a

principal operator of the Inglewood Oil Field between 1977 and 1991. Chevron's interests in the Inglewood Oil Field were purchased by Stocker Resources.

Citygate (SoCalGas Citygate or California Citygate): Citygate is any point at which the mainline natural gas transmission system connects to a local transmission and distribution system. SoCalGas Citygate or California Citygate are not physical locations, but represent virtual trading points on the California Gas Transmission (CGT) system that is referenced as a delivery point for natural gas. The SoCalGas Citygate and California Citygate price assessments are often referenced as benchmark prices for natural gas in California.

City IOF: The approximately 78-acre portion of the IOF within the boundary of the City of Culver City.

City of Culver City: The City of Culver City is a municipal corporation within the County of Los Angeles, California.

Corporation: A corporation is a company or group of people collection of individuals or a that is authorized by a state government to act as a single entity (legally a person) and recognized as such in law.

County IOF: The approximately 900-acre portion of the Inglewood Oil Field contained within the County of Los Angeles, exclusive of the City IOF.

Crude Oil: A naturally occurring complex mixture of hydrocarbon found in geological formations beneath the Earth's surface. It is referred to as a crude oil because it must be refined to produce various types of fuels and products.

Cumulative Internal Rate of Return (Cumulative IRR): The internal rate of return generated by an asset at a specified point in time based on the cumulative net cash flows generated from the time of investment.

Cumulative Net Present Value (Cumulative NPV): The present value of the net cash flows for an asset at a specified point in time based on the cumulative net cash flows generated from the time of investment.

Decline Curve: The trend in production of oil, natural gas, and water from an operating production well.

Deferred Replacement Value (DRV): The value to an owner of deferring capital investment until the remaining service life of an existing asset has been exhausted.

Discounted Cash Flow Analysis: An analysis that discounts future cashflows to present value. A discount rate is applied to cashflows to determine present value that represents the return of and return on capital investment.

Division of Oil, Gas, and Geothermal Resources (DOGGR): Effective January 1, 2020, DOGGR was reorganized into the California Geologic Energy Management Division (CalGEM).

Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan (Plan): The Baldwin Hills Community Standards District requires the Operator of the Inglewood Oil Field to prepare and submit an annual Drilling, Redrilling, Well Abandonment, and Well Pad Restoration Plan. The plan describes all oil field activities that may be conducted during the upcoming calendar year. The requirements of this Plan are set forth in Section 22.310.050.Z of the Los Angeles County's Code of Ordinances.

Economic Life: The amount of time an asset is able to generate income in excess of maintenance and operating costs.

Effective Date: January 1, 2020, the cut-off date for information used in the amortization study as the basis for representing historical oil and gas operations and projections of future operations in the City IOF.

Fair Market Value: The value in exchange of a property between a willing buyer and a willing seller in an arm's length, open market transaction.

Fair Rate of Return: The rate of return that a regulatory agency allows rate-regulated companies to achieve on capital invested in the assets providing the regulated service.

Freeport-McMoRan Oil & Gas LLC (FCX): A principal operator on the Inglewood Oil Field in Los Angeles County between 2013 and 2016. FCX acquired Plains Exploration & Production Company's (PXP) interests in the Inglewood Oil Field in 2013.

Henry Hub: A distribution hub for natural gas in Erath, Louisiana that is owned by Sabine Pipe Line LLC. It serves as the delivery location for natural gas futures traded on the New York Mercantile Exchange (NYMEX).

Idle Well: As defined by CalGEM, a production well that has not been used for two years or more, but has not been plugged and abandoned.

Income Model: A simulation of the financial relationships between capital investment associated with a particular asset and income generated by the asset.

Industry Return on Capital: The total return on capital characteristic of companies operating in an industry sector.

Initial Capital Investment: Expenditures associated with creation or acquisition of an asset. For example, costs to drill and complete a production well to produce oil and gas is an initial capital investment.

Injection Well: A well that is used to inject water into a reservoir. Injection wells are used in water-flood operations as a means to enhance oil recovery.

Inglewood Oil Field (IOF): The approximate 1000-acre oil field located within and straddling the jurisdiction of the City of Culver City and the unincorporated area of the County of Los Angeles known as Baldwin Hills. Sentinel Peak Resources currently operates the Inglewood Oil Field.

Internal Rate of Return (IRR): The Internal Rate of Return is the rate required to discount future cash flows to a Net Present Value of zero.

Limited Liability Company (LLC): A form of business structure that pays no corporate income tax. LLC income is passed through to owners, which pay income taxes based on individual tax situations. The LLC is provided with the limited liability protection of a traditional corporation.

Line 63 Crude Oil: Crude oil delivered by the Plains All American Pipeline System to Los Angeles refineries and its terminal in Long Beach. Line 63 crude oil is a blend of crude oils produced in the San Joaquin Valley and the outer continental shelf offshore of California to refineries.

Maintenance: The diagnosis, repair or replacement of machinery, equipment, apparatus, structures, and facilities used in connection with oil and gas operations. Maintenance does not include costs to drill new wells, to redrill wells, or to rework existing wells.

Market Return on Capital: The total return on capital earned in aggregate by companies in a particular market sector.

Mineral Rights: Property rights to exploit an area for the minerals contained within a property beneath the Earth's surface.

Modified Accelerated Cost Recovery System (MACRS): The Modified Accelerated Cost Recovery System provided in the U.S. Internal Revenue Service tax code for calculating depreciation for income tax purposes**.**

Netback Price: The price realized by the seller for crude oil or natural gas at its location of production.

Net Cash Flow: The amount of cash generated after deducting operating expenses, interest expenses, income taxes, and capital expenditures from revenues.

Net Present Value (NPV): The cumulative value of future net cash flows generated by an asset, discounted to a specific time.

Oil: Crude oil or a petroleum liquid derived from crude oil.

Operating Costs and Expenses: Cash expenses associated with operation of an asset or a business. Operating costs typically include costs for labor, marketing, general, and administrative overhead, insurance, property taxes, operating materials, and maintenance.

Pass-Through Corporation: A pass-through corporation does not pay income taxes, but distributes (or passes through) income to owners of the pass-through corporation, which pay income taxes based on their particular individual tax situation.

Petroleum: A mineral deposit that naturally occurs beneath the earth's surface. Petroleum includes crude oil, natural gas, and natural gas liquids that may be extracted from rock formations.

Plains Resources, Inc.: A predecessor to Plains Exploration & Production Company (PXP). Plains Resources, Inc. acquired Stocker Resources' interests in the Inglewood Oil Field in 1992.

Plains Exploration & Production Company (PXP): A petroleum and natural gas exploration and production company based in Houston, Texas. PXP was a principal operator of the Inglewood Oil Field between 2002 and 2013. In 2013, Freeport-McMoRan Oil & Gas LLC acquired PXP, then owner/operator of the Inglewood Oil Field.

Plug and Abandon: The permanent plugging of a production well that includes the removal of all equipment related to the well and restoration of the well site to natural conditions. Plug and Abandon activities in California are regulated by CalGEM.

Price Assessment: The price of a commodity reported by a service organization that surveys market participants at a particular market location. Price assessments are often used to settle contracts that require market pricing.

Produced Water: Water that is produced from oil and gas wells. The fluids from a well typically include a mixture of crude oil, natural gas, and water, which must be separated for treatment and disposal.

Rate of Return: The profit on an investment over a period of time, expressed as a proportion of the original investment.

Remaining Life: The amount of time that an asset is expected to remain in operation without extensive renovation or replacement, based on its age and condition.

Royalty: The portion of oil and gas resource or revenue that the owner of the mineral rights is entitled to receive from production. Oil and gas operators enter into leases with owners of mineral rights that gives the operator permission to extract oil and gas and provide a monetary royalty payment to the owner.

Sensitivity Analysis: Simulation analysis in which key quantitative assumptions and computations (such as an underlying a decision, estimate, or project) are changed systematically to assess their effect on the final outcome.

Service Life: The amount of time an asset may physically remain in operation without extensive renovation or replacement.

Shut-in Well: A production well where surface equipment, wellhead, or subsurface equipment have been closed to halt the flow either into or out of the well. A shut-in well may be returned to operation.

Southern California Gas Company (SoCalGas): The Southern California Gas Company is the primary provider of natural gas to the region of Southern California.

Sentinel Peak Resources LLC (SPR): Sentinel Peak Resources LLC, the current operator of the Inglewood Oil Field.

Standard Oil Company of California: Considered the original developer to first commercially produce oil from the Inglewood Oil Field and a predecessor company of Chevron Corporation.

Stocker Resources: A principal operator of the Inglewood Oil Field between 1991 and 2002. Stocker Resources purchased Chevron Corporation's interests in the Inglewood Oil Field in 1991.

Sustaining Capital Investment: Capital investment required to maintain the productive capacity of an asset.

Tax Loss Carry-Forward: An accounting method that allows a company to carry forward losses from prior tax years to offset future profits, affording the firm an opportunity to lower its future income tax obligation.

Water Cut: The fraction of production fluids from a well that is water.

Waterflood: A method used in oil and gas production where water is injected into a reservoir to increase well pressure and displace petroleum to production wells.

Weighted Average Cost of Capital (WACC): A rate of return at which a firm is able to finance the purchase and operation of assets. It is typically comprised of the cost of equity capital and the cost debt capital, weighted by the relative proportions of capital used in the business.

Well: A hole sunk into the earth for use in oil and gas operations. A production well produces reservoir fluids including crude oil, natural gas, and water. An injection well is used to inject water or steam into a reservoir. A disposal well is used to dispose of waste fluids into deep rock formations. Each type of well is specifically engineered for its intended purpose.

West Texas Intermediate (WTI): A light, sweet crude oil priced at Cushing, Oklahoma that serves as a benchmark price for crude oil in North America.

Workover: Major renovations to an existing oil or gas well, which may include liner replacement or renewal and replacement of completion or production hardware in order to restore mechanical integrity and extend the life of a well.

EXHIBIT B

BAKER & O'BRIEN
INCORPORATED

DONALD L. FLESSNER

President

CAREER HIGHLIGHTS

Don Flessner is President of Baker & O'Brien, Inc., and serves on the firm's Board of Directors. He has more than 30 years of technical and commercial experience in the petroleum, chemicals, and fertilizers industries. After beginning his career in specialty chemicals, Don's experience at Sohio and BP Oil included technical services, capital project evaluation and management, operations management, wholesale marketing, supply logistics, and strategic planning. Don's responsibilities at BP Oil included implementation of several refinery capital projects and the preparation of capital investment strategies for its five U.S. refineries.

Since becoming a consultant in 1992, Don has completed a wide range of assignments in the upstream oil & gas, refining and marketing, gas processing, chemicals, and fertilizer industries. These engagements have included due diligence on behalf of investors and financial institutions for acquisitions and construction projects around the world. He has prepared valuations of refinery, transportation, and chemical manufacturing assets for companies, financial institutions, and government agencies. He has served as a consulting expert and testifying expert in litigation involving major construction projects, commercial matters, product quality and testing, insurance claims, and industry standards and practices on behalf of operating companies, contractors, and insurers involved in the hydrocarbon and chemical process industries. Don has testified as an expert witness in depositions, public hearings, jury trials, and international arbitrations.

PREVIOUS POSITIONS

1992-1994: Purvin & Gertz, Inc.,
Associate Consultant

1979-1992: BP Oil/Standard Oil Co. of Ohio,
Technical Specialist, Refining Department
Operations Planner, Products Supply & Trading
Senior Process Engineer, Refining Department

1977-1979: Scott & Fetzer Corp.,
Plant Chemist

SERVICES

- Expert Witness and Dispute Support
- Asset Valuations
- Technology Assessment
- Engineering, Procurement, and Construction (EPC)
- Commercial Contracts
- Standard of Care
- Due Diligence and Advisor to Lenders and Investors

INDUSTRIES

- Petrochemical / Chemical
- Oil and Gas Production
- Gas Processing
- Petroleum Refining
- Additional Process Industries
- Renewable / Alternative Energy

EXPERIENCE

- Gas to Liquids
- Fertilizers
- Arbitration
- Expert Witness/Testimony
- Ad Valorem Taxes
- Environmental
- Intellectual Property
- Toxic Tort
- Offshore
- LNG
- Gasification
- EPC-related
- Industry Practice/Standard of Care
- Forensic Analysis
- Commercial Terms Review

EDUCATION

- Cleveland State University, M.B.A. Finance (1989)
- Cleveland State University, Post Graduate Work - Chemical Engineering (1979)
- Mount Union College, B.S. Chemistry and Biology (1977) Magna Cum Laude

BAKER & O'BRIEN
INCORPORATED

SERVICES

- Expert Witness and Dispute Support
- Asset Valuations
- Strategic Consulting and Industry Advisory Services
- Merger and Acquisition Support
- Property Damage and Business Interruption Insurance Claims
- Markets and Strategy
- Due Diligence and Advisor to Lenders and Investors

INDUSTRIES

- Petrochemical / Chemical
- Transportation and Storage
- Oil and Gas Production
- Petroleum Refining
- Gas Processing

EXPERIENCE

- Arbitration
- Expert Witness/Testimony
- Ad Valorem Taxes
- LP/Planning Practice
- Physical Asset Appraisal
- Business Interruption
- Offshore
- Pipeline
- Product Quality
- Project Feasibility
- Pricing
- Commercial Terms Review
- Crude Oil Valuation

EDUCATION

- Kellogg School of Management Executive Education, Corporate Entrepreneurship (1996)
- Oklahoma State University, B.S. Chemical Engineering (1989)

CHARLES G. KEMP

Vice President, Business Development Manager

CAREER HIGHLIGHTS

Charles Kemp's expertise combines experience at three major energy corporations in natural gas/oil production, refining, petrochemicals, natural gas liquids, economics, planning, training, human resources, and engineering.

Charles' consulting assignments have included petroleum asset valuations, shale oil refining/logistics, purchase price allocations, and expert testimony presented in international arbitration, district, and federal courts regarding supply disputes, plant operations, natural gas production, business interruption, safety, and environmental issues. His work includes advising legal teams on costs related to numerous business interruption claims in the Exploration & Production and related industries. Charles has experience in fire investigation, pipeline operations, hydrocarbon measurement, prudent operations, and safety procedures.

Prior to joining Baker & O'Brien, Charles provided leadership in strategic planning, economic modeling, price setting mechanisms, business development, logistics management, fuel specifications, competitive analysis, and cost reduction. In a career of over 25 years, Charles gained significant hands-on experience in petrochemical supply chain management, refinery linear programs, feedstock optimization, and turnaround planning.

PREVIOUS POSITIONS

2007-2008: Valero Energy Corp.,
Director-Planning, Economics and Laboratory

1998-2007: CITGO Refining and Chemicals,
Strategic Planning Engineer
Economics Analyst

1989-1998: Koch Industries,
Director-Business Development, Koch Hydrocarbon Co.
Business Associate-Koch Capital Services
Business and Economics Consultant-Koch Corporate Development Group
Project Manager-Koch Chemical Co.
Process Engineer-Koch Refining Co.

BAKER & O'BRIEN
INCORPORATED

WILLIAM D. CHEEK

Analyst

EDUCATION

- Southern Methodist University, Cox School of Business, M.B.A. (2009)
- Baylor University, B.A. (2002)

CAREER HIGHLIGHTS

After graduating in 2002, William joined The Perryman Group as an Economic Analyst. He was responsible for creating and preparing economic damage models, impact assessments, and forecast models for a diversity of clients. William, under the direction of Dr. Ray M. Perryman, primarily worked on economic and liquidated damage models for antitrust litigation. In addition, William was a contributor to *The Perryman Report*, which provided economic analysis of topics relating to the economies of the United States and Texas.

In 2004, William joined Parks Associates, a market research and consulting firm focused on digital product and service market segments. While at Parks Associates, William conducted primary consumer survey research, authored syndicated primary research reports, conducted company briefings, provided consulting services for Fortune 500 companies, and presented at industry seminars and conferences.

Since joining Baker & O'Brien in June 2005, William has completed a wide range of assignments in the upstream, midstream, refining, and chemical industries. These projects have included asset valuation, cost of capital calculation, business interruption, purchase price allocations, and due diligence projects for industry and litigation purposes. He has assisted in the preparation of valuations of upstream, midstream, and downstream assets for companies, financial institutions, and for government agencies. Additionally, he has co-authored expert valuation reports of upstream, midstream, and refining assets. William has testified as an expert witness regarding the cost of capital in property tax hearings.

PREVIOUS POSITIONS

2004 - 2005: Parks Associates,
Analyst

2002 - 2004: The Perryman Group,
Economic Analyst

Exhibit C

Reference Materials

Seq No.	*Title*	*Date*	*Organization*
1	Plains Resources to Acquire Stocker Resources	May 13, 1992	
2	Assessor's Handbook Section 566 Assessment of Petroleum Properties	August-96	California SBOE
3	Final Environmental Impact Report, Baldwin Hills Community Standards District	October-08	
4	IOF Hydraulic Fracturing Report	July 13, 2012	Halliburton
5	FCX Completes Acquisition of Plains Exploration & Production Co.	May 31, 2013	
6	MLP Primer Fifth Edition	October 31, 2013	Wells Fargo Securities
7	Analysis of Oil and Gas Well Stimulation Treatments in California, EIR Section 11	June-15	
8	Annual Energy Outlook 2016	May-16	EIA
9	FCX Announces Ageement to Sell Onshore California Oil & Gas Properties	October 14, 2016	
10	SPR Announces the Acquisition of FCX Onshore California Assets for $742 Million	October 14, 2016	
11	Sentinel Peak Resources Announces Closing of Acquistion of FCX Properties	January 3, 2017	
12	2018 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan	November-17	SPR
13	Value-Driven November Corporate Presentation	November-18	CRC
14	Annual Energy Outlook 2019	January-19	EIA
15	World Bank Commodity Price Data	September 4, 2019	World Bank
16	This Week In Petroleum	October 9, 2019	EIA
17	2020 Drilling, Re-drilling, Well Abandonment, and Well Pad Restoration Plan	November-19	SPR
18	U.S. Nominal Cost per Foot of Crude Oil Wells Drilled	December 17, 2019	EIA
19	History of Inglewood Oil Field	May 27, 2020	SPR
20	CalGem Public Portal Website: https://www.conservation.ca.gov/calgem/Pages/Index.aspx		CalGem
21	Natural Gas City Gate Price in California		EIA
22	Aswath Damodaran, Ph.D., http://pages.stern.nyu.edu/~adamodar/New_Home_Page/		NYU Stern School
23	Platts Price Assessments		SPG Global
24	Personal Consumption Expenditures Chain-type Price Index		US Dept. Commerce

Exhibit D

Map of City IOF

Well status as of December 2018

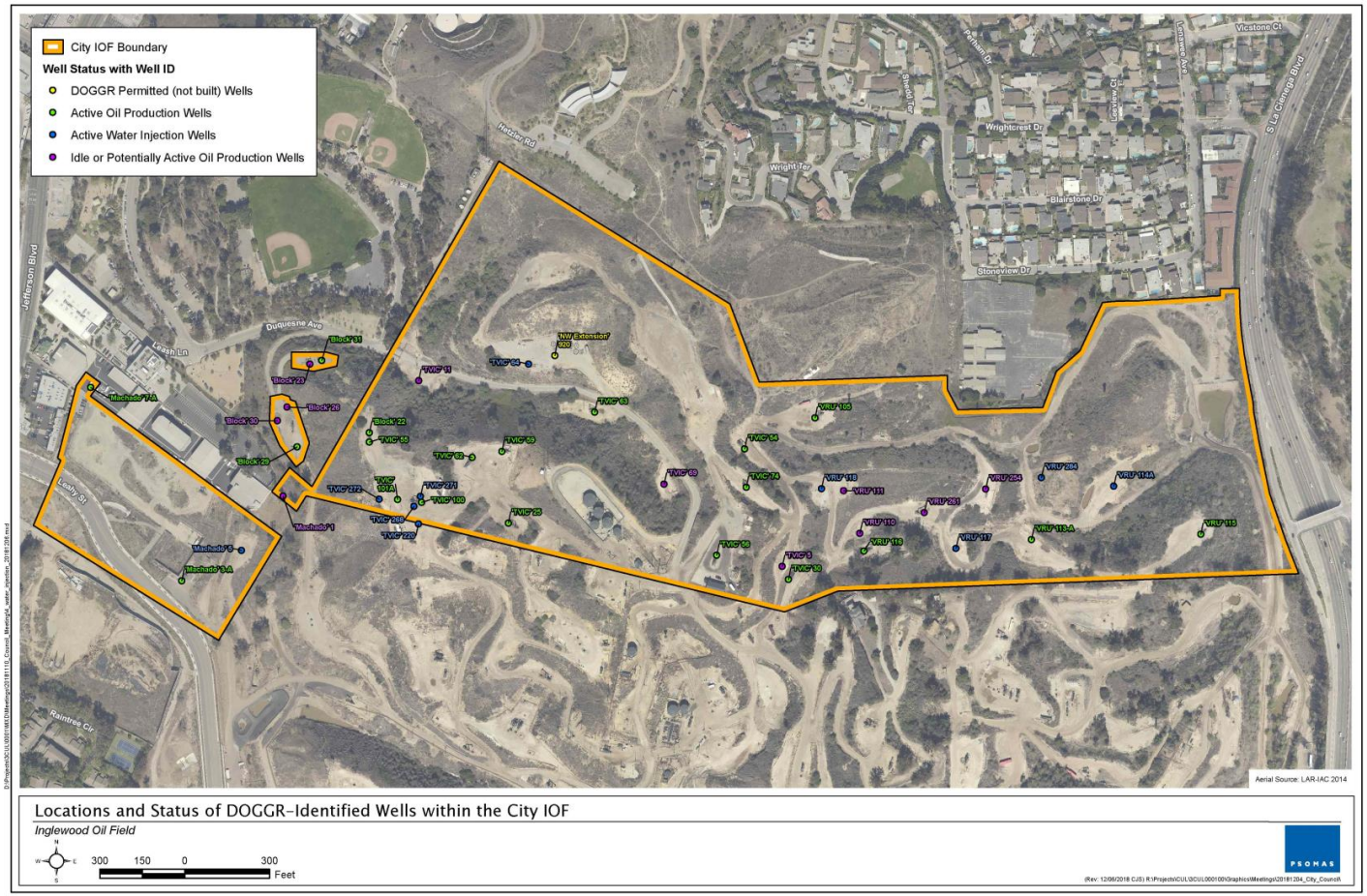

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Exhibit E

CITY OF CULVER CITY
CAPITAL INVESTMENT AMORTIZATION STUDY

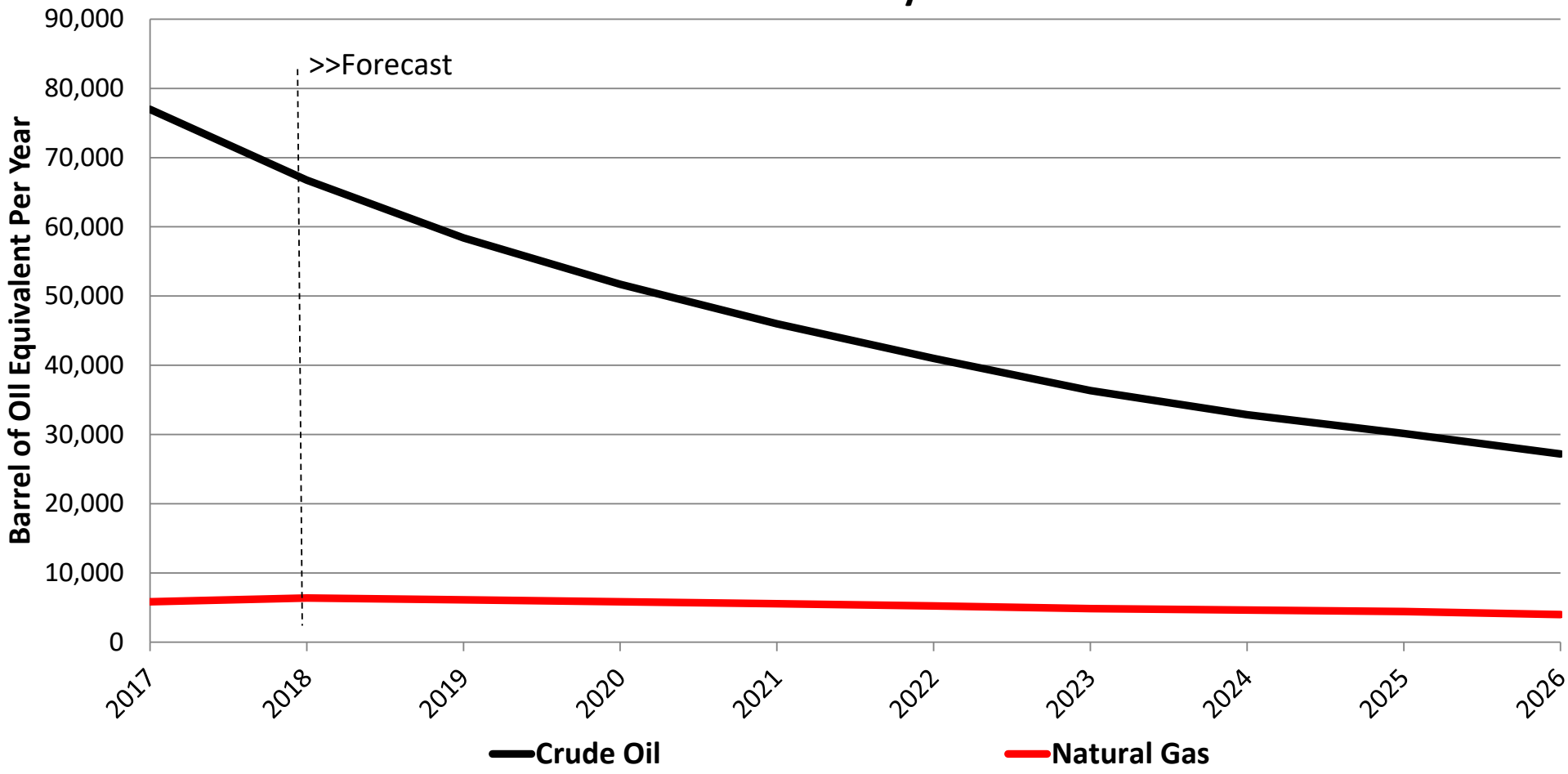
Listing of Wells in Culver City
Well Status as of 2016

Well Identification				*CalGEM Data*														
Model #	Drill Year	2016 Status	CalGEM Docs	API #	Lease Name	Well #	Operator Name	County Name	Field Name	Area Name	Area Code	District #	Section	Township	Range	Base Meridian	Latitude	Longitude
3700248	1966	Operating	Yes	03700248	TVIC	59	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013046374	-118.382934168
3700249	1966	Operating	Yes	03700249	TVIC	63	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013428911	-118.381852035
3707468	1947	Operating	Yes	03707468	Block	22	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01322237	-118.384481215
3707469	1941	Idle	Yes	03707469	Block	23	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013882724	-118.385177459
3707472	1953	Idle	Yes	03707472	Block	26	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01346482	-118.38544087
3707475	1961	Operating	Yes	03707475	Block	29	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013080309	-118.385322593
3707476	1963	Idle	Yes	03707476	Block	30	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013334161	-118.385552524
3707477	1964	Operating	Yes	03707477	Block	31	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013918791	-118.385040271
3707867	1941	Idle	Yes	03707867	Machado	1	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012606179	-118.385484864
3707873	1941	Operating	Yes	03707873	Machado	3-A	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.011784052	-118.386663436
3707876	1957	Injection	Yes	03707876	Machado	5	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012079452	-118.385966601
3707881	1952	Operating	Yes	03707881	Machado	7-A	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013648338	-118.387732487
3708129	1954	Operating	Yes	03708129	VRU	105	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013380198	-118.379281486
3709080	1926	Idle	Yes	03709080	VRU	111	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	0	1	7	02S	14W	SB	34.012677596	118.378946071
3709082	1979	Operating	Yes	03709082	VRU	113-A	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.01221268	-118.376751489
3709083	1977	Injection	Yes	03709083	VRU	114A	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.012731485	-118.375792225
3709084	1977	Idle	Yes	03709084	VRU	115	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.01226998	-118.374775336
3709086	1953	Operating	Yes	03709086	VRU	116	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.012096325	-118.378702719
3709087	1954	Injection	Yes	03709087	VRU	117	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.01212473	-118.3776319
3709088	1954	Injection	Yes	03709088	VRU	118	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01269724	-118.3792035
3709090	1925	Idle	Yes	03709090	VRU	111	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012677596	-118.378946071
3709097	1926	Idle	Yes	03709097	TVIC	5	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.011944135	-118.37965694
3709101	1926	Idle	Yes	03709101	TVIC	11	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01372627	-118.383906155
3709113	1925	Operating	Yes	03709113	TVIC	25	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012352837	-118.38285481
3709118	1953	Operating	Yes	03709118	TVIC	30	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.011819565	-118.379585629
3709139	1961	Operating	Yes	03709139	TVIC	55	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013130572	-118.384480037
3709140	1962	Operating	Yes	03709140	TVIC	56	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01204947	-118.380421955
3709145	1957	Operating	Yes	03709145	TVIC	62	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012986001	-118.38327733
3709149	1966	Operating	Yes	03709149	TVIC	74	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012706729	-118.380081407
3720042	1967	Injection	Yes	03720042	TVIC	64	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013890759	-118.382625834
3720069	1967	Operating	Yes	03720069	TVIC	54	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.013078006	-118.380101738
3720462	1968	Idle	Yes	03720462	TVIC	69	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012736232	-118.381038844
3722281	1980	Injection		03722281	TVIC	220	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01234122	-118.383903094
3722541	1982	Idle	Yes	03722541	VRU	254	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.012701135	-118.37728821
3723170	1985	Idle	Yes	03723170	VRU	261	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.012470902	-118.378002869
3725079	1998	Injection		03725079	TVIC	268	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012512605	-118.383956364
3725221	2000	Injection		03725221	VRU	284	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	8	02S	14W	SB	34.012811	-118.376637
3725222	2000	Injection		03725222	TVIC	271	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012608	-118.383881
3725256	2000	Injection		03725256	TVIC	272	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.01258	-118.384362
3725342	2002	Operating	Yes	03725342	TVIC	100	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012549725	-118.383866459
3725375	2002	Operating	Yes	03725375	TVIC	101A	Sentinel Peak Resources California LLC	Los Angeles	Inglewood	Any Area	00	1	7	02S	14W	SB	34.012577086	-118.384146957

Baker & O'Brien, Inc.
May 2020

BAKER & O'BRIEN
INCORPORATED

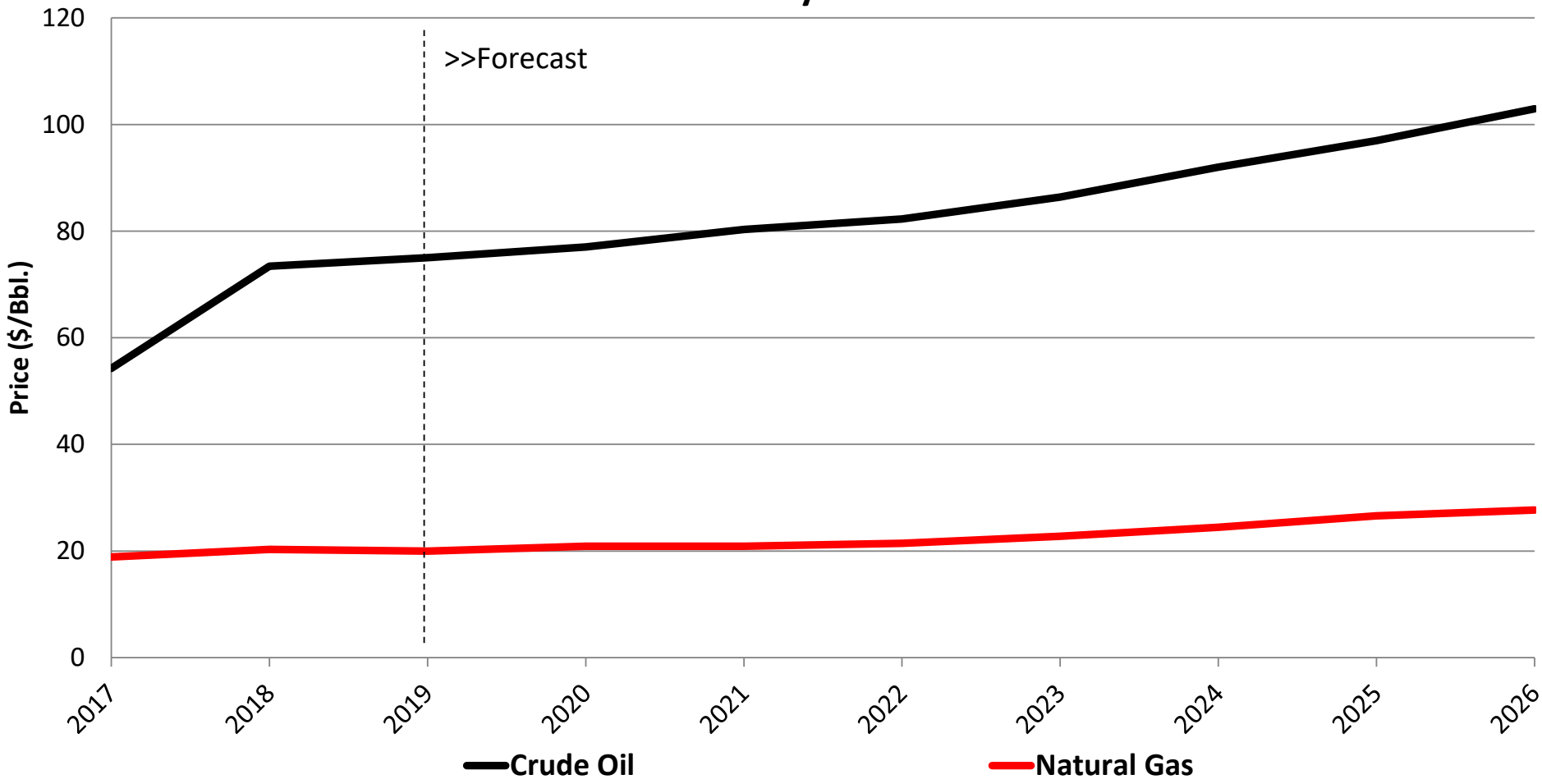
Exhibit F
Oil and Gas Production History and Forecast



Baker O'Brien, Inc.
May 2020

BAKER & O'BRIEN INCORPORATED

Exhibit G
Netback Price History and Forecast



Baker O'Brien, Inc.
May 2020

BAKER & O'BRIEN INCORPORATED

Exhibit H
Industry Sector WACC as of January 1
Oil & Gas Production and Exploration

Year	Cost of Equity	Equity %	Cost of Debt [1]	Debt %	WACC
2016	12.05%	54.80%	3.91%	45.20%	8.37%
2017	10.29%	68.03%	3.12%	31.97%	8.00%
2018	8.80%	70.47%	5.25%	29.53%	7.76%
2019	11.34%	64.44%	3.42%	35.56%	8.52%
2020	9.61%	63.94%	2.75%	36.06%	7.14%

Note 1: After-tax cost of debt.

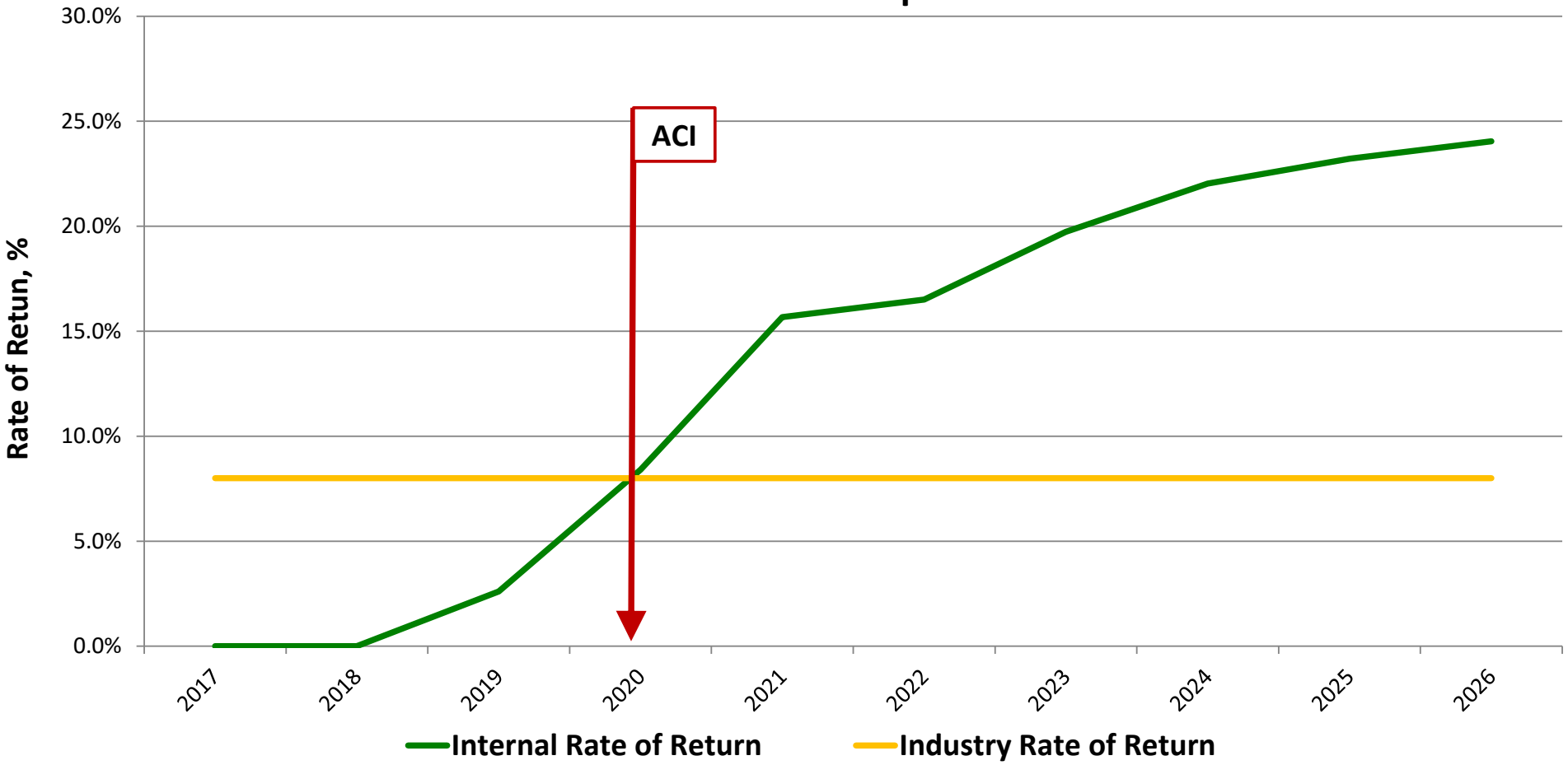
Exhibit I
Allocation of FCX Transaction Value

	Announced Price		*Adjusted Price*	
Transaction Value [1]				
Price at Closing	592,000,000		592,000,000	
Contingent Price				
2018	50,000,000	Brent >$70/B	50,000,000	Brent=71.04 [2]
2019	50,000,000	Brent >$70/B	0	Brent=64.26 [2]
2020	50,000,000	Brent >$70/B	0	Brent=58.00 [3]
Assumed Liabilities				
Abandonment			100,000,000	
Cash Equivalent Price	742,000,000		742,000,000	
Crude Oil Production, B/D				
FCX Properties [4]	28,000	100.00%	28,000	100.00%
IOF [5]	5,520	19.71%	5,520	19.71%
City IOF [6]	211	0.75%	211	0.75%
Allocation of Cash Equivalent Price				
FCX Properties	742,000,000	100.00%	742,000,000	100.00%
IOF	146,280,000	19.71%	146,280,000	19.71%
City IOF	5,591,500	0.75%	5,591,500	0.75%

Sources:

1. *Freeport-McMoRan Announces Agreement to Sell Onshore California Oil & Gas Properties for $742 Million, Including Contingent Consideration* ; Oct. 14, 2016
2. Platt's price assessment for Dated Brent.
3. *This Week in Petroleum* , EIA, Oct. 9, 2019
4. *Sentinel Peak Resources Announces the Acquisition of FreeportMcMoRan's Onshore California Assets for $742 Million* ; Oct 14, 2016
5. 2018 Drilling, Re-drilling, Well abandonment, and Well Pad Restoration Plan, SPR, Nov 2017; pg 1
6. CalGEM

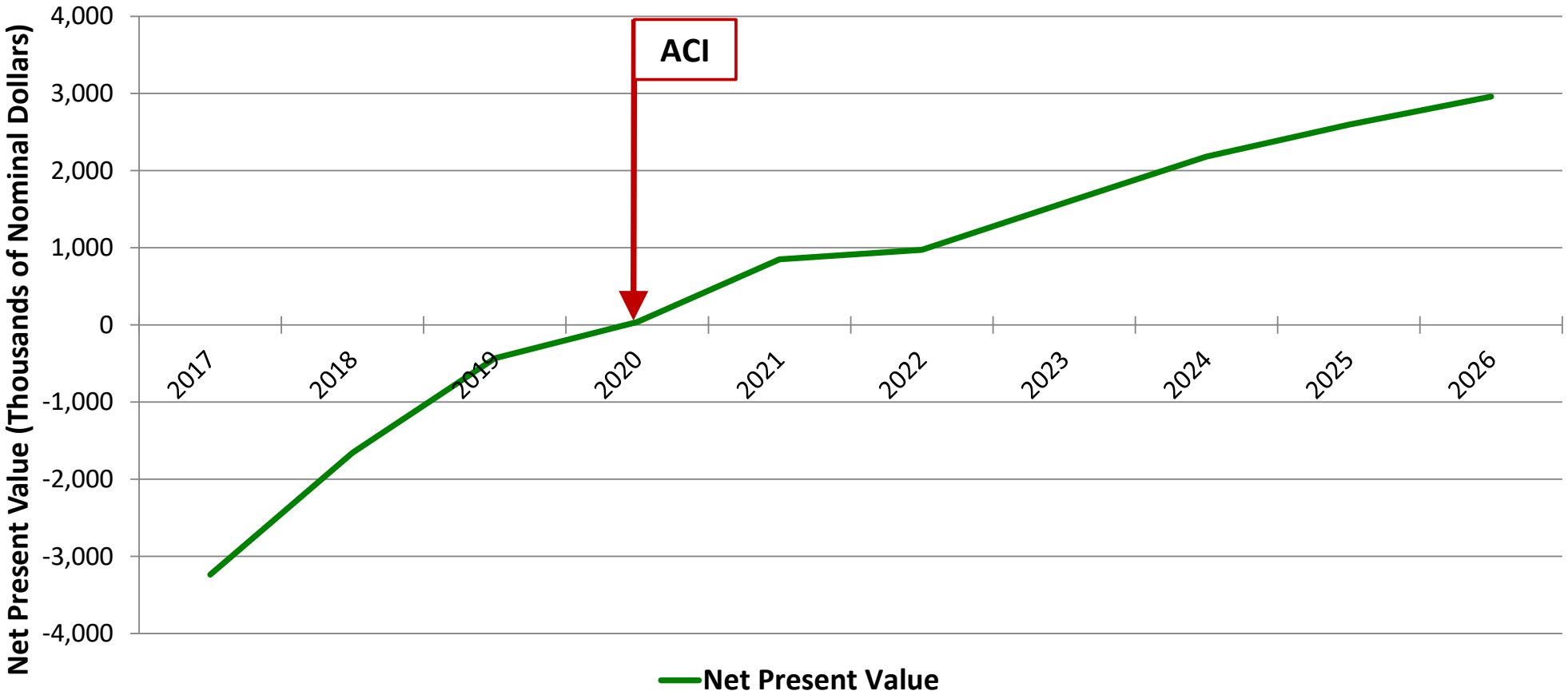
Exhibit J
IRR Test for Amortization of Capital Investment



Baker O'Brien, Inc.
May 2020

BAKER & O'BRIEN INCORPORATED

Exhibit K
NPV Test for Amortization of Capital Investment



Baker O'Brien, Inc.
May 2020

BAKER & O'BRIEN INCORPORATED

Exhibit L

Amortization of Capital Investment for Individual Wells

					First 5 yrs							
Well No	*Complete*	*Amort*	*Years*	*2016 IRR*	*O&G BBL*	*Water BBL*	*Water Cut %*	*Oil Price $/B*	*Capex Avg. $/B Oil*	*Opex $/B Oil*	*Oil Price/ Capex + Opex*	*Simple Payback Yr*
3709084	1977	1979	3	36.0%	13,086	105,514	89.0%	25.59	4.25	7.59	2.2	1
3709082	1979	1980	2	52.8%	16,003	241,377	93.8%	31.24	4.36	9.50	2.3	1
3722541	1982	None	None	5.1%	6,518	309,739	97.9%	23.56	9.77	11.77	1.1	4
3723170	1985	None	None	6.4%	9,770	395,551	97.6%	15.56	7.18	11.82	0.8	19
3725342	2002	2004	3	47.7%	18,204	211,772	92.1%	38.78	6.30	13.83	1.9	2
3725375	2002	2006	5	30.2%	10,158	266,794	96.3%	38.78	11.29	17.04	1.4	3

Exhibit M

Economics for Wells Drilled Prior to 1977

			First 5 yrs							
Period	*Wells*	*Year 15 IRR*	*O&G BBL*	*Water BBL*	*Water Cut %*	*Oil Price $/B*	*Capex Avg. $/B Oil*	*Opex $/B Oil*	*Oil Price/ Capex + Opex*	*Simple Payback Yr*
1925-1949	9	14.2%	66,940	472,682	87.6%	1.42	1.01	0.66	0.8	5
1950-1976	16	14.2%	202,761	3,217,333	94.1%	3.85	1.89	2.12	1.0	5
1950-1959	6	15.0%	86,934	666,545	88.5%	2.74	1.36	1.47	1.0	5
1960-1976	10	11.9%	115,827	2,550,788	95.7%	4.52	2.29	2.61	0.9	6

Exhibit N

CITY OF CULVER CITY
CAPITAL INVESTMENT AMORTIZATION STUDY

Base Case Assumptions and ACI

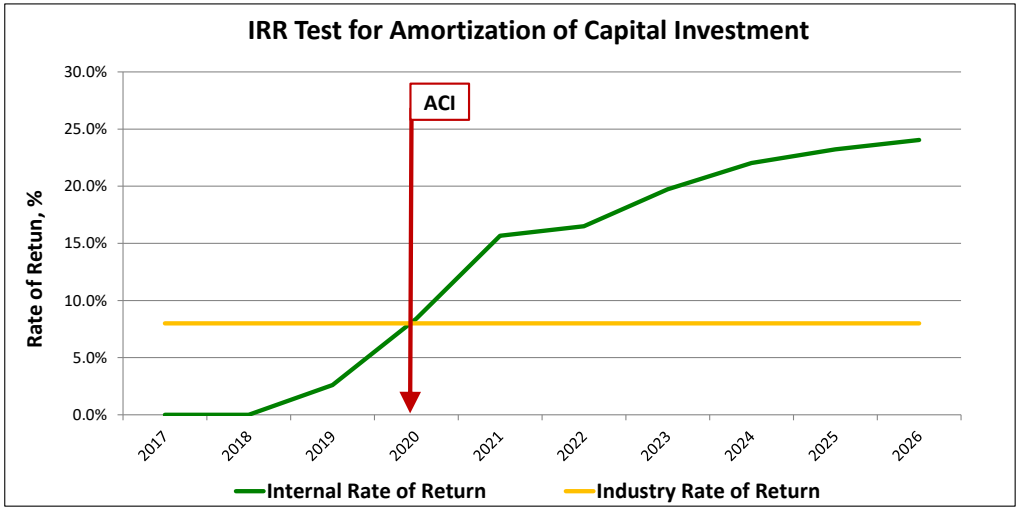
Model Assumptions

Industry Return on Investment	**8.00%**
Investment Year	**2016**
Initial Capital Investment, $M	**4,650**
Price Adjustments: 2018 Dollars/Bbl	
Crude Oil Transportation - Inglewood to LB	**0.25**
Crude Oil Quality Differential	**(1.75)**
Natural Gas Quality Differential	**0.00**
Btu Equivalent: 5.8 MMBtu per BOE	**0.172**
Royalties	
Royalty Percentage	**15.00%**
Operating Costs: 2018$/Bbl	
Oil & Gas Wells	**8.00**
Produced Water	**0.25**
Capital Expenditures: 2018$M	
Workover Interval (Years)	**7**
Workover Cost per Event	**180**
Drilling and Completion Cost per Well	**2,500**
Plug & Abandonment Cost per Well	**375**

Model Results

Years for Amortization of Capital Investment	**4**
Amortization of Capital Investment by	**2020**
Maximum IRR	**24.05%**
Period 2017-2026	
Total Revenues, $M	**37,547**
Total OPEX, $M	**19,934**
Total CAPEX, $M	**3,434**
Total Taxes, $M	**3,017**
Total Net Cash Flow, $M	**11,162**
Cumulative IRR at 2026	**24.05%**

Tests for Amortization of Capital Investment



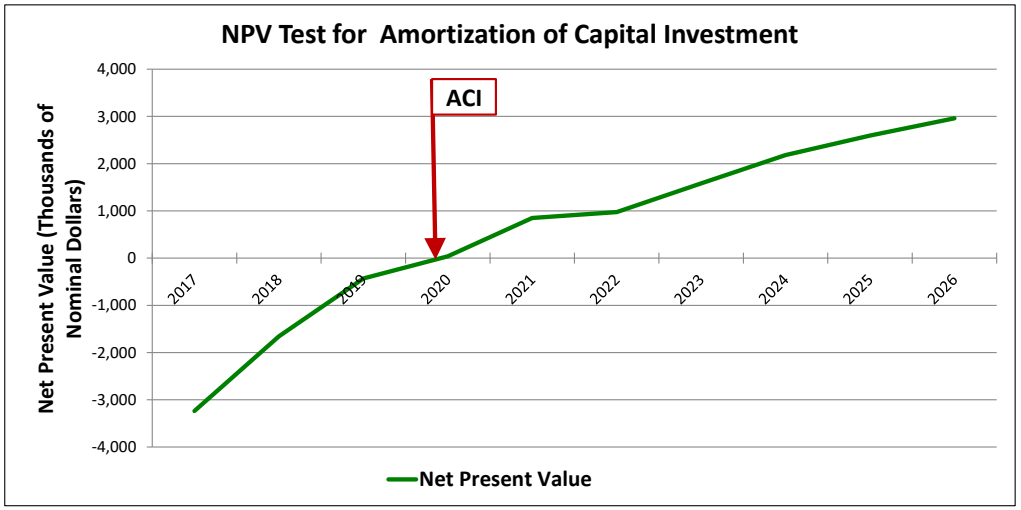


Exhibit O

CITY OF CULVER CITY
CAPITAL INVESTMENT AMORTIZATION STUDY

Sensitivity Case: SPR Acquisition Cost of $5.34 million

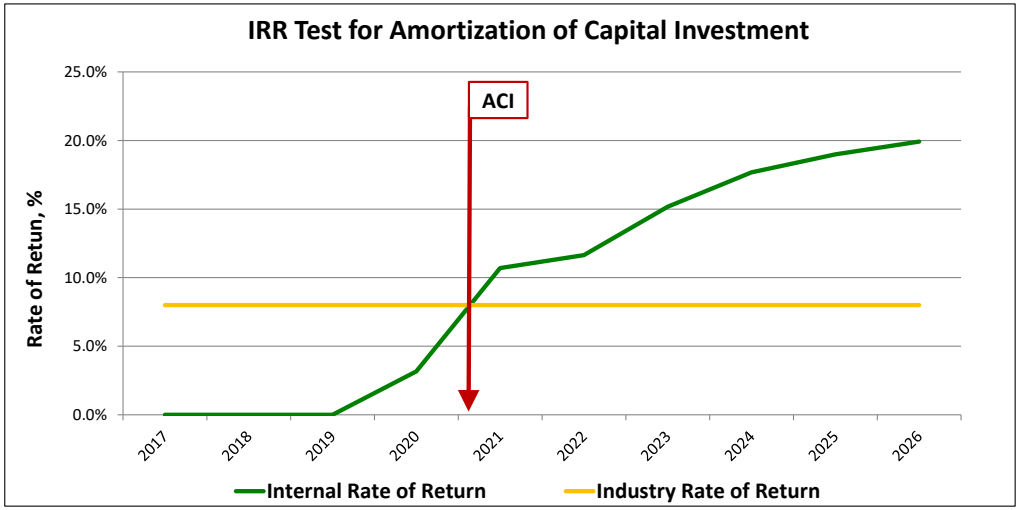
Model Assumptions

Industry Return on Investment	**8.00%**
Investment Year	**2016**
Initial Capital Investment, $M	**5,340**
Price Adjustments: 2018 Dollars/Bbl	
Crude Oil Transportation - Inglewood to LB	**0.25**
Crude Oil Quality Differential	**(1.75)**
Natural Gas Quality Differential	**0.00**
Btu Equivalent: 5.8 MMBtu per BOE	**0.172**
Royalties	
Royalty Percentage	**15.00%**
Operating Costs: 2018$/Bbl	
Oil & Gas Wells	**8.00**
Produced Water	**0.25**
Capital Expenditures: 2018$M	
Workover Interval (Years)	**7**
Workover Cost per Event	**180**
Drilling and Completion Cost per Well	**2,500**
Plug & Abandonment Cost per Well	**375**

Model Results

Years for Amortization of Capital Investment	**5**
Amortization of Capital Investment by	**2021**
Maximum IRR	**19.92%**
Period 2017-2026	
Total Revenues, $M	**37,547**
Total OPEX, $M	**19,934**
Total CAPEX, $M	**3,434**
Total Taxes, $M	**2,811**
Total Net Cash Flow, $M	**11,368**
Cumulative IRR at 2026	**19.92%**

Tests for Amortization of Capital Investment



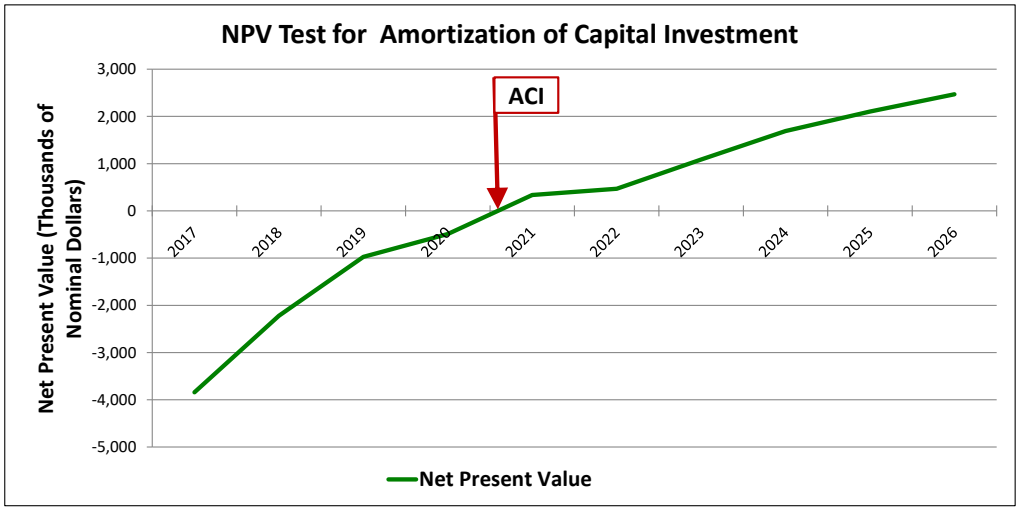


Exhibit P

CITY OF CULVER CITY
CAPITAL INVESTMENT AMORTIZATION STUDY

Sensitivity Case: Crude Oil Quality Discount

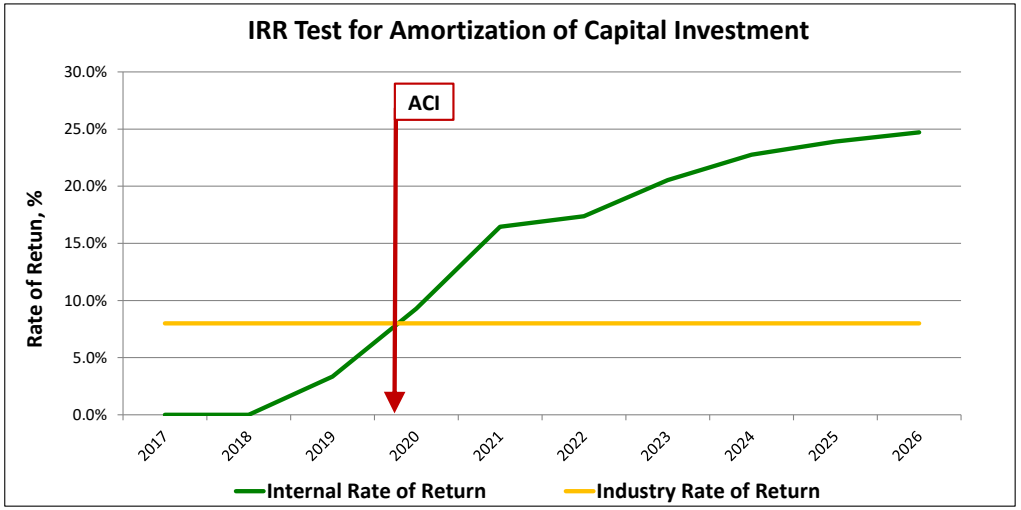
Model Assumptions

Industry Return on Investment	**8.00%**
Investment Year	**2016**
Initial Capital Investment, $M	**4,730**
Price Adjustments: 2018 Dollars/Bbl	
Crude Oil Transportation - Inglewood to LB	**0.25**
Crude Oil Quality Differential	**(0.50)**
Natural Gas Quality Differential	**0.00**
Btu Equivalent: 5.8 MMBtu per BOE	**0.172**
Royalties	
Royalty Percentage	**15.00%**
Operating Costs: 2018$/Bbl	
Oil & Gas Wells	**8.00**
Produced Water	**0.25**
Capital Expenditures: 2018$M	
Workover Interval (Years)	**7**
Workover Cost per Event	**180**
Drilling and Completion Cost per Well	**2,500**
Plug & Abandonment Cost per Well	**375**

Model Results

Years for Amortization of Capital Investment	**4**
Amortization of Capital Investment by	**2020**
Maximum IRR	**24.71%**
Period 2017-2026	
Total Revenues, $M	**38,157**
Total OPEX, $M	**20,025**
Total CAPEX, $M	**3,434**
Total Taxes, $M	**3,148**
Total Net Cash Flow, $M	**11,550**
Cumulative IRR at 2026	**24.71%**

Tests for Amortization of Capital Investment



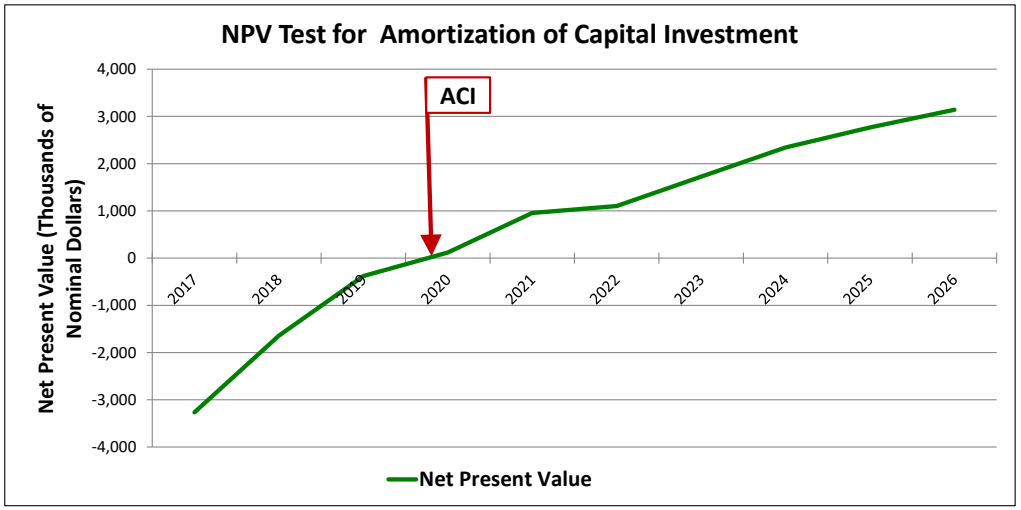


Exhibit Q

CITY OF CULVER CITY
CAPITAL INVESTMENT AMORTIZATION STUDY

Sensitivity Case: Return on Capital

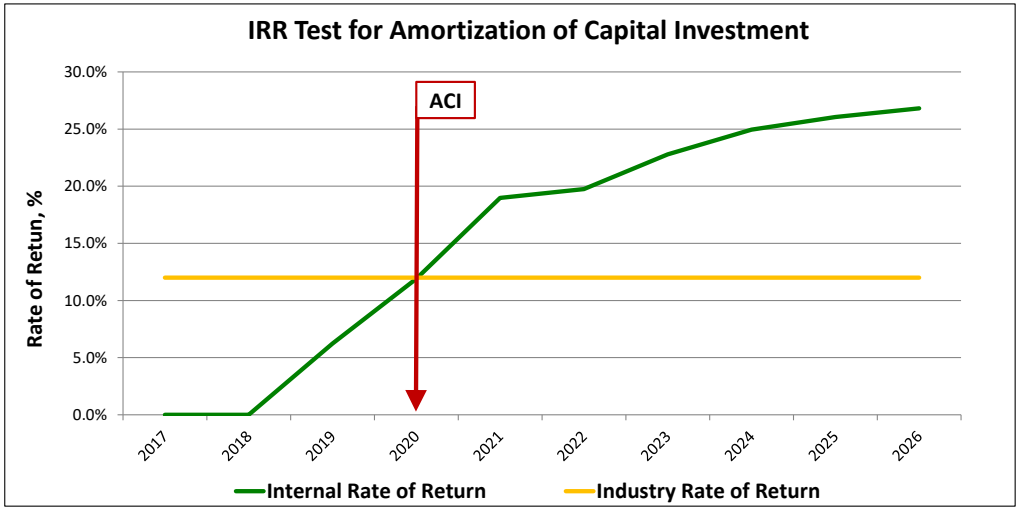
Model Assumptions

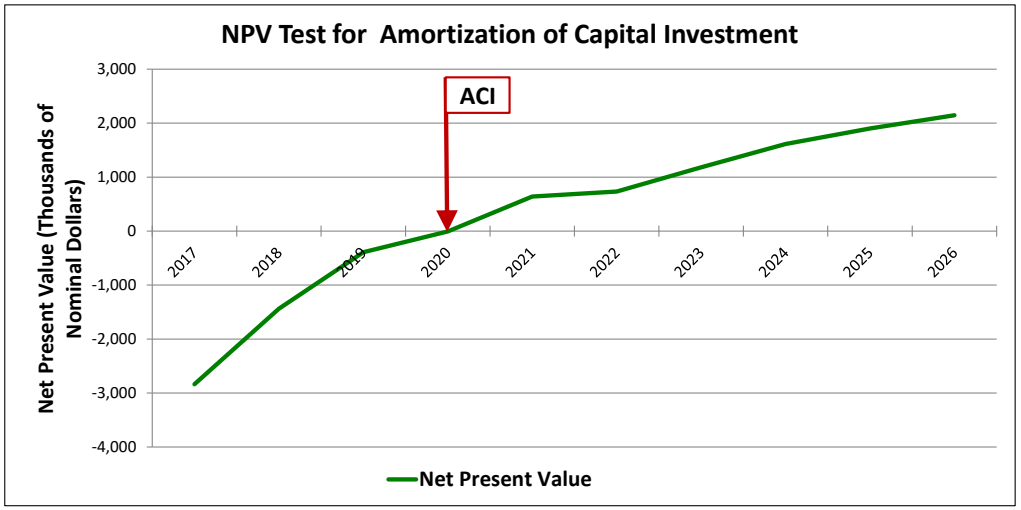
Industry Return on Investment	**12.00%**
Investment Year	**2016**
Initial Capital Investment, $M	**4,270**
Price Adjustments: 2018 Dollars/Bbl	
Crude Oil Transportation - Inglewood to LB	**0.25**
Crude Oil Quality Differential	**(1.75)**
Natural Gas Quality Differential	**0.00**
Btu Equivalent: 5.8 MMBtu per BOE	**0.172**
Royalties	
Royalty Percentage	**15.00%**
Operating Costs: 2018$/Bbl	
Oil & Gas Wells	**8.00**
Produced Water	**0.25**
Capital Expenditures: 2018$M	
Workover Interval (Years)	**7**
Workover Cost per Event	**180**
Drilling and Completion Cost per Well	**2,500**
Plug & Abandonment Cost per Well	**375**

Model Results

Years for Amortization of Capital Investment	**5**
Amortization of Capital Investment by	**2021**
Maximum IRR	**26.81%**
Period 2017-2026	
Total Revenues, $M	**37,547**
Total OPEX, $M	**19,934**
Total CAPEX, $M	**3,434**
Total Taxes, $M	**3,130**
Total Net Cash Flow, $M	**11,049**
Cumulative IRR at 2026	**26.81%**

Tests for Amortization of Capital Investment





California
Department of
Conservation
Geologic Energy Management
Division

CalGEM Oil and Gas State Abandonment Planning

April 6, 2022
9:30 a.m.

Agenda

I. Welcome & Introductions

II. Overview of CalGEM State Abandonments

III. Federal Orphan Well Program

IV. Demonstration of Screening/Prioritization Methodology (15 minutes)

V. Discussion Session (45 minutes)

Overview of CalGEM State Abandonments

CalGEM State Abandonments

California Department of Conservation

- CalGEM is authorized to expend funds on contracts to plug and abandon orphan and deserted wells that have no responsible, solvent operator.

- Two primary accounts:
  - *Oil, Gas, and Geothermal Administrative (OGGA) Fund* –$3 million cap in FY 2021-2022; $5 million cap in FY 2022-2023 and thereafter.
  - *Hazardous and Idle-deserted Well Abatement Fund (HIDWAF)* –$8 million ($10 MM loan) funded by idle well fees and continuously appropriated.

- Between 2011 to 2019, CalGEM plugged and abandoned 117 wells (and some attendant facilities) across the state at a total cost of over $13 million.

- Currently carrying out the largest state abandonment project in state history at the Placerita Oil Field – 56 wells at a cost of more than $3 million.

CalGEM State Abandonments (cont'd)

California Department of Conservation

- Recent CalGEM analysis found approximately 5,356 orphaned, deserted, and potentially deserted wells across the state. Estimated cost to plug and abandon these wells is $974 million.

- At current funding levels, it will take decades for CalGEM to address the thousands of wells that do not have a responsible operator.

- CalGEM can take steps to recoup funds where a responsible operator is found – the Division now has strengthened authorities to place liens on real or personal property and establish a collections unit.

Federal Orphan Well Program

Energy Communities Revitalization Program (ECRP) – Two Program Areas

- Federal Program
  - Under the Pres. Budget/DOI appropriations, Federal orphaned oil and gas wells and abandoned hardrock mines must be on DOI Lands
  - Under Infrastructure Bill, funding must be shared with USDA for orphaned oil and gas wells; possible funding for abandoned hardrock mines

- Grant Program
  - The Infrastructure bill (IIJA) provides $4.7B in grants for Orphaned Oil and Gas Wells; $1.5B authorized for hardrock abandoned mine reclamation grants (not in the appropriation section)
  - The bill provides grant funding for States and Tribes to address orphaned oil and gas wells and abandoned hardrock mines

State Grants Program

California Department of Conservation

- Three Types of Grants for States
  1. Initial
  2. Formula
  3. Performance – regulatory improvement and matching funds

- Provides broad authority to use the money for various relevant uses including, but not limited to:
  - Plugging and abandonments;
  - Site remediation;
  - Identifying, screening, and prioritizing wells;
  - Data transparency

CalGEM's Work to Leverage New Federal Funding

California Department of Conservation

- Setup a cross-functional team with staff from Programs and Operations, as well as DOC Legal.

- The team thus far has focused on:
  - Well inventories (orphan/deserted/potentially deserted wells)
  - Screening/Prioritization methodology for identified wells
  - Methane emission monitoring protocols
  - Groundwater monitoring
  - An updated state abandonment contract template to be consistent with requirements for federal grant funding
  - Preparing Federal grant applications

Screening and Prioritization Criteria

Screening Criteria for State Abandonment Prioritization

California Department of Conservation

Proposal

Establish a risk-based initial screening criteria system to identify high-priority wells quickly and accurately for plug and abandonment.

Purpose

Prioritize wells to ensure wells that may pose greater risks are prioritized for plug and abandonment in disadvantaged communities.

Authorities

California Code of Regulations § 1772.4. Prioritization of Idle Wells for Testing and Plugging and Abandonment.

Public Resources Code § 3016, 3106, 3206 and 3206.1.

Methodology

1. Develop initial screening criteria as per Prioritization of Idle Wells for Testing and Plugging and Abandonment specified in California Code of Regulations § 1772.4.
2. Assign point valuation to criteria based on regulations and Division goals.
3. Automate retrieval of digital data available through WellSTAR and GIS.
4. Engineering Geologists fill gaps in data using physical/scanned well files and technical reports.
5. Combine with the most recent CalEnviroScreen data.
6. Aggregate scoring and rank wells with highest points as priority for plug and abandonment.
7. Conduct secondary screening that factors in feedback from local jurisdictions (cities and counties), accessibility (including the ability to locate the well if HUD tagged), and future development plans.

Criteria Example

Well Information:

		Well Information												
Field Engineer	API 10	API 8	Field	Well Designation	Operator Code	Operator Name	District	Spud Date	Last Active Date	Latitude	Longitude	Lat/Long	Corner Call	Well Mgmt. Map

Data pulled from WellSTAR using API10 or API8. Well Management Map link for provided for each API to use in the Surface Study.

Surface Study:

§ 1772.4.(a)(1)	§ 1772.4.(a)(2)	§ 1772.4.(a)(3)	§ 3205.3.(b)(2) § 1772.4.(a)(4)		
Surface Study					
Wellhead Location	Geologic Hazards	Wellhead Pressure	Wellsite Accessiblity	Facilities Present	BLM, Tribal, State Lands
CA Costal Commission Map					
USGS Protected Areas Database					

Please refer to California Code of Regulations § 1772.4. section for Surface Study reasons.

Surface Study Criteria

Criteria	Regulation	Risk Parameters	Risk Scoring/ Points	Data Source
Wellhead Location	§ 1772.4.(a)(1) § 1720.(a) § 1760.(f) § 1760.(y)	None Critical Environmental Sensitive Urban Multiple	0 2 2 2 3	WellSTAR GIS
Geologic Hazards	§ 1772.4.(a)(2)	None Near Fault Zones Near Landslide Areas Other Near Multiple	0 1 1 1 2	Hazard Management GIS Map
Wellhead Pressure	§ 1772.4.(a)(3)	No Info No Pressure <200 psi >200 psi Open to Atmosphere	0 0 1 2 3	WellSTAR Inspection Reports
Wellsite Accessibility	§ 1772.4.(a)(4)	Accessible Possible Access Restrictions to Site No Discernible Road Access Wellhead Not Visible	0 1 2 3	Well Management GIS Map
Facilities Present	§ 1772.4.(a)(9)	Yes No	1 0	Well Management GIS Map
BLM, Tribal, State Lands	§ 1772.4.(a)(9)	None BLM Tribal State Lands	0 1 1 1	WellSTAR GIS

Criteria Example

California Department of Conservation

Downhole Study:

	§ 1772.4.(a)(5)			§ 3205.3.(b)(3) § 1772.4.(a)(6)	§ 1772.4.(a)(6)		§ 3205.3.(b)(1) §
Downhole Study							
Well File Path	Top Perf	Damage Depth	Fish Depth	BFW Depth	USDW Depth	Plug Back	Total Depth

Please refer to California Code of Regulations § 1772.4. section for Downhole Study reasons.

Criteria	Regulation	Risk Parameters	Risk Scoring/ Points	Data Source
Well File Path				Link to Digital Well File
Top Perf		Enter depth		WellSTAR, Physical/Digital Well File
Damage Depth	§ 1772.4.(a)(5)	Enter depth	1	WellSTAR, Physical/Digital Well File
Fish/Junk Depth	§ 1772.4.(a)(5)	Enter depth	1	WellSTAR, Physical/Digital Well File
BFW Depth	§ 1772.4.(a)(6)	Enter depth	Used in Idle Well Fluid Level Test Result calculation	WellSTAR, Physical/Digital Well File, CALIFORNIA OIL & GAS FIELDS Volume 1
USDW Depth	§ 1772.4.(a)(7)	Enter depth	Used in Idle Well Fluid Level Test Result calculation	WellSTAR, Physical/Digital Well File
Plug Back, Partial Abandonment Depth		Enter depth	Used in estimated P&A cost per ft calculation	WellSTAR, Physical/Digital Well File
Total Depth	§ 1772.4.(a)(9)	Enter depth	Used in estimated P&A cost per ft calculation	WellSTAR, Physical/Digital Well File

Criteria Example

California Department of Conservation

Other Potential Hazards:

§ 3205.3.(b)(3)

1772.4.(a)(6)&(7) § 1772.4.(a)(8)

Other Potential Hazards									
IW Fluid Level	IW Cleanout	IW CIT	Well Idle (years)	Well Age (years)	Inside Proposed AE?	Total Population Percentile	CalEnviroScreen 4.0 Pollution Burden Percentile	CalEnviroScreen 4.0 Population Charactersitic Percentile	SB 535 Disadvantaged Community

Please refer to California Code of Regulations § 1772.4. section for Other Potential Hazards reasons.

Criteria	Regulation	Risk Parameters	Risk Scoring/ Points	Data Source
Idle Well Fluid Level Test Result	§ 1772.4.(a)(6) § 1772.4.(a)(7)	Enter depth	1	WellSTAR
Idle Well Cleanout Tag Result	§ 1772.4.(a)(9)	Enter depth	1	WellSTAR
Idle Well Casing Integrity Test Result	§ 1772.4.(a)(9)	Pass Fail Overdue	0 1 0.5	WellSTAR
Years Idle	§ 1772.4.(a)(9)	Idle Years > 15	1	WellSTAR, Physical/Digital Well File
Age of Well	§ 1772.4.(a)(8)	Age > 25 Age > 50	1 2	WellSTAR, Physical/Digital Well File
Inside Proposed Aquifer Exemption	§ 1772.4.(a)(9)	Yes No	2 0	Aquifer Exemption team
Total Population Percentile	§ 1772.4.(a)(9)	Percentile value	Percentile/40	CalEnviroScreen 4.0
CalEnviroScreen 4.0 Pollution Burden Percentile	§ 1772.4.(a)(9)	Percentile value	Percentile/20	CalEnviroScreen 4.0
CalEnviroScreen 4.0 Population Characteristic Percentile	§ 1772.4.(a)(9)	Percentile value	Percentile/20	CalEnviroScreen 4.0
CalEnviroScreen 3.0 SB 535 Disadvantaged Community	§ 1772.4.(a)(9)	Yes No	5 0	CalEnviroScreen 3.0

Criteria Example

California Department of Conservation

Evaluation, Rank and Comments:

Evaluation	Rank (Out of 5)	§ 1772.4.(a)(9) Rank	§ 3205.3.(a) Est. P&A Cost	Comments

Criteria	Regulation
Evaluation	Aggregate scoring of Surface Study, Downhole Study and Other Potential Hazards.
Rank (Out of 5)	Groups all wells reviewed into 5 bins. Highest score group is Rank 1.
Rank	Numerical ranks wells based on Evaluation. Highest aggregate score is Rank 1.
Est P&A Cost	Quick estimate using Total Depth or Partial Plug Back Abandonment Depth Times District Historical State Abandonment Cost per ft.
Comments	Any relevant, important details not capturable in present criteria

Discussion

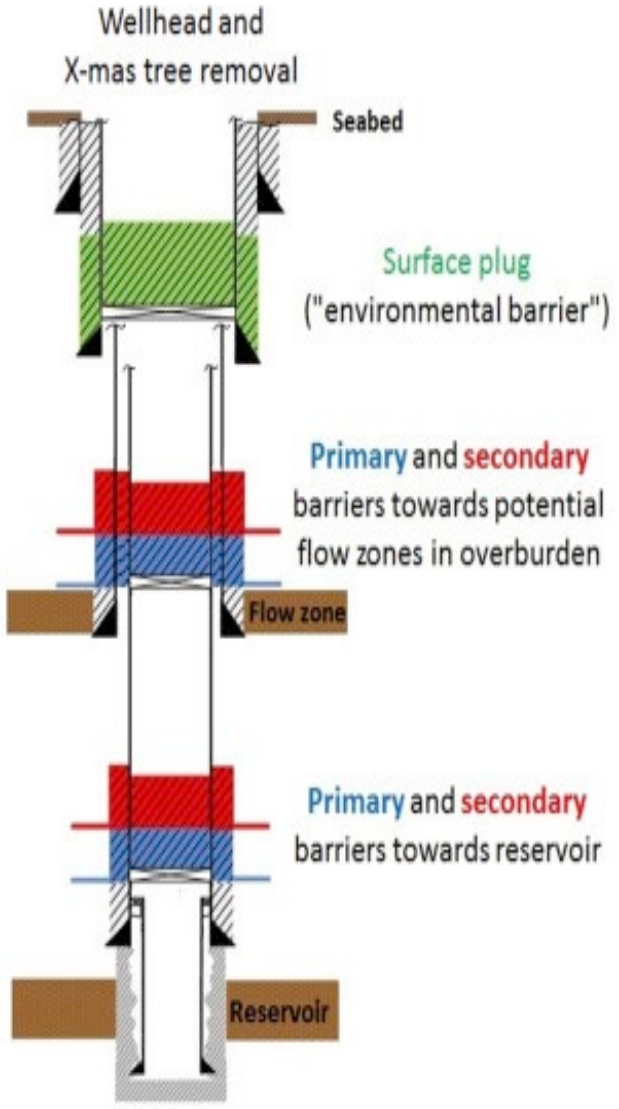
Upcoming CalGEM Outreach Workshops

Workshop #1: March 24, 2022 - 11 – 12 p.m.
Region: LA / Orange County
JOIN HERE

Workshop #2: March 30, 2022 - 9:30 – 10:30 AM
Region: Northern / Sac
JOIN HERE

Workshop #3: April 6, 2022 – 1-2 PM
Region: Central Valley / Kern / Coastal District area – Ventura and Santa Barbara
JOIN HERE

Workshop #4: April 13, 2022 - 6 – 6:45 p.m.
No designated region.
JOIN HERE



After P&A

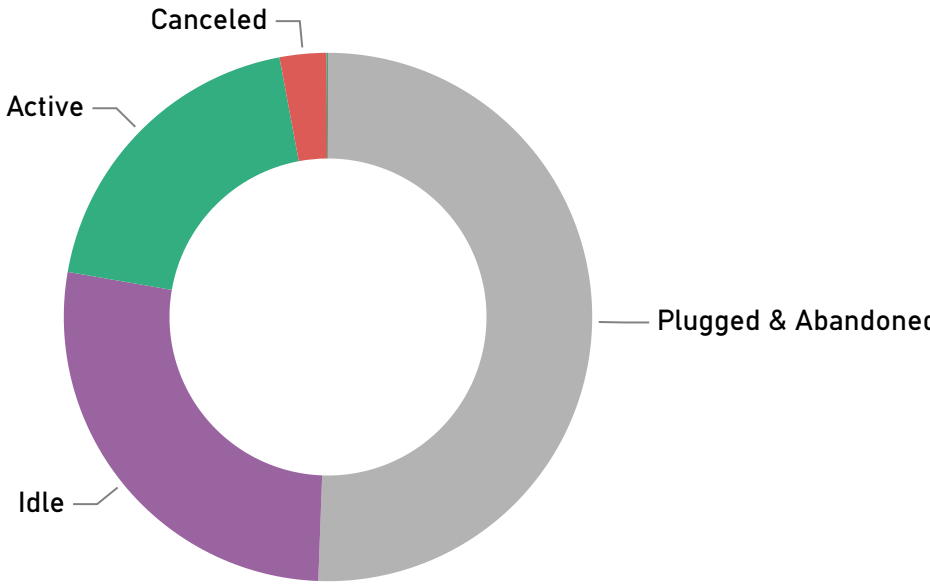
California
Department of Conservation
California Geologic Energy
Management Division

THANK YOU

For questions, please contact the CalGEM Public Transparency Office at:
CalGEMPublicTransparencyOffice@conservation.ca.gov.

WellStatusDesc

- Plugged & Abandoned
- Idle
- Active
- Canceled
- Permitted



WellStatusDesc	Count of WellApi
Plugged & Abandoned	4396
Idle	2359
Active	1679
Canceled	249
Permitted	7

Rev 1.1: Updated: 4/5/2022

Preliminary 2022 Idle Well Management Plan (IWMP Inventory). Includes only wells that were idle on January 1, 2022.

API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11121944	0411121944	Well No. 2	00081	A. J. Singer	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106164	0411106164	Well No. 1	00154	Adams Drilling & Oil Co.	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	3/1/1922	99.84	Y	N
11106165	0411106165	Well No. 2	00154	Adams Drilling & Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	8/1/1922	99.42	Y	N
11105586	0411105586	Well No. 1	00259	Alpine Petro.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106458	0411106458	Well No. 2	00293	America Oil Co.	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100520	0411100520	Well No. 1	00306	American Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	Y
11106261	0411106261	Well No. 6	00306	American Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121788	0411121788	Well No. 5	00306	American Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121658	0411121658	Well No. 2	00415	Arctic Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106431	0411106431	Well No. 1	00432	Arizona Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105639	0411105639	Well No. 1	00519	Austin Well	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100523	0411100523	Well No. 1	00528	B & B Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100524	0411100524	Well No. 2	00528	B & B Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100525	0411100525	Well No. 3	00528	B & B Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100526	0411100526	Well No. 4	00528	B & B Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100527	0411100527	Well No. 5	00528	B & B Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106122	0411106122	Big Chief 1	00545	B. A. Laselle & J.L. Van Disse	Dry Hole	Any Field	000	Big Chief	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100307	0411100307	Unspecified 1	00633	Bardsdale Oil Co.	Oil & Gas	Bardsdale	036	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106275	0411106275	Well No. 1	00674	Beach Oil	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121892	0411121892	Well No. ?	00823	Black Pearl Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100665	0411100665	Unspecified 1	00966	Buena Ventura Oil Co.	Dry Hole	Holser	304	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105565	0411105565	Well No. 2	00967	Buena Vista Oil	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100540	0411100540	Viking 4	00984	Burns Oil Co.	Oil & Gas	Conejo (ABD)	170	Viking	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106095	0411106095	Well No. ?	01256	California Reliance	Dry Hole	Any Field	000	Well No.	Southern	Any Area	Ventura	2/1/1902	119.92	Y	N
11101437	0411101437	Well No. 1	01271	Califranco Oil Co.	Oil & Gas	Ramona	586	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11101438	0411101438	Well No. 2	01271	Califranco Oil Co.	Dry Hole	Ramona	586	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100546	0411100546	Unspecified 3	01319	Camerillo Refining Co.	Oil & Gas	Conejo (ABD)	170	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100548	0411100548	Unspecified 5	01319	Camerillo Refining Co.	Oil & Gas	Conejo (ABD)	170	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105591	0411105591	Well No. 1	01387	Carleton, Nelles & Greer	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100554	0411100554	Well No. 1	01505	Charles E. Clinton	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106370	0411106370	Well No. ?	01572	Chicago Ferndale Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11101109	0411101109	Well No. ?	01574	Chicago Petro. Co.	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	2/1/1902	119.92	Y	N
11105646	0411105646	Well No. 1	01672	Cline & Clemson	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100552	0411100552	Well No. 1	01806	Conejo Syndicate	Dry Hole	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102619	0411102619	Well No. 4	01870	Cosmopolitan Oil Co.	Oil & Gas	Sespe	694	Well No.	Northern	Tar Creek-Topatopa	Ventura	6/10/1917	104.56	Y	N
11105621	0411105621	Flanagan 1	01909	Crinklaw, Smith, & Larson	Oil & Gas	Any Field	000	Flanagan	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121880	0411121880	Well No. 1	01920	Crown Oil Company	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121897	0411121897	Well No. ?	02012	D. S. White	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102213	0411102213	Well No. 14	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121696	0411121696	Well No. 1	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121697	0411121697	Well No. 2	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121698	0411121698	Well No. 3	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121699	0411121699	Well No. 4	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121700	0411121700	Well No. 5	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121701	0411121701	Well No. 6	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121702	0411121702	Well No. 7	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121703	0411121703	Well No. 8	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121704	0411121704	Well No. 9	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121705	0411121705	Well No. 10	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121706	0411121706	Well No. 11	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121707	0411121707	Well No. 12	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121708	0411121708	Well No. 13	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121709	0411121709	Well No. 15	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121710	0411121710	Well No. 16	02263	Dr. J. Von Gal-Scale	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11101210	0411101210	Well No. 11	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101211	0411101211	Well No. 12	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101213	0411101213	Well No. 14	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101214	0411101214	Well No. 15	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101217	0411101217	Well No. 18	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101218	0411101218	Well No. 19	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101219	0411101219	Well No. 20	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	7/11/2010	11.48	Y	N
11101220	0411101220	Well No. 21	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101222	0411101222	Well No. 23	02434	E. L. Henthorn	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11105590	0411105590	Well No. 1	02458	E. R. Carey	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105702	0411105702	Vaqueros 1	02511	Eastern Interion Oil Co.	Oil & Gas	Any Field	000	Vaqueros	Northern	Any Area	Ventura	3/1/1970	51.84	Y	N
11120703	0411120703	Mahannah 1	02664	Energy Expl. Co. Inc.	Dry Hole	Any Field	000	Mahannah	Northern	Any Area	Ventura	11/1/1978	43.17	Y	N
11121663	0411121663	Equity 1	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N

Rev 1.1: Updated: 4/5/2022

Preliminary 2022 Idle Well Management Plan (IWMP Inventory). Includes only wells that were idle on January 1, 2022.

API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11121664	0411121664	Equity 2	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121665	0411121665	Equity 3	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121666	0411121666	Equity 4	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121667	0411121667	Equity 5	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121668	0411121668	Equity 6	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121669	0411121669	Equity 7	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121670	0411121670	Equity 8	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121671	0411121671	Equity 9	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121672	0411121672	Equity 10	02676	Equity Petro. Co.	Oil & Gas	Conejo (ABD)	170	Equity	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102623	0411102623	Supreme 1	02699	Estate of A. B. Cross	Oil & Gas	Sespe	694	Supreme	Northern	Foot of The Hills	Ventura	1/1/1979	43.00	Y	N
11101177	0411101177	Well No. ?	02922	Ferndale Oil & Petro. Co.	Dry Hole	Ojai	520	Well No.	Northern	Silverthread	Ventura	2/1/1902	119.92	Y	N
11101179	0411101179	Well No. 1	02965	Fleisher Oil Co.	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	2/1/1902	119.92	Y	N
11121891	0411121891	Well No. ?	03482	Golden West Crude Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105806	0411105806	Well No. 1	03503	Gordon Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106082	0411106082	Well No. 1	03503	Gordon Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106083	0411106083	Well No. 2	03503	Gordon Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106089	0411106089	Well No. 3	03503	Gordon Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105666	0411105666	Well No. 1	03633	H. C. Turnham	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105564	0411105564	Well No. 1	03671	H. L. & W.P. Bidelman	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106306	0411106306	Well No. 1	03825	Harris Oil Co.	Oil & Gas	Hopper Canyon	310	Well No.	Northern	Main	Ventura	2/1/1902	119.92	Y	N
11105648	0411105648	Well No. G-1	03951	Henry Renshaw Dabney	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	3/20/1934	87.79	Y	N
11121801	0411121801	Well No. 1	04154	Huntington Diamond Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102220	0411102220	Well No. 2	04167	Hutchinson Bros. & Teel	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102235	0411102235	Well No. 16	04237	International Oil Devel Inc. Lt	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102236	0411102236	Well No. 17	04237	International Oil Devel Inc. Lt	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102251	0411102251	Well No. 18	04237	International Oil Devel Inc. Lt	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100613	0411100613	Well No. 1-A	04311	J.B. Hebrick	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	2/1/1979	42.92	Y	N
11104614	0411104614	Diablo 1	04514	Jack Marantz, Ltd. Partnership	Oil & Gas	Any Field	000	Diablo	Northern	Any Area	Ventura	9/5/1966	55.32	Y	N
11103878	0411103878	Well No. 1	04777	Joseph B. Dabney	Oil & Gas	Ventura	814	Well No.	Northern	Any Area	Ventura	3/1/1949	72.84	Y	N
11105871	0411105871	Well No. 1	04840	K. A. P. Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	5/1/1988	33.67	Y	N
11105589	0411105589	Well No. 1	05077	L. E. Belger	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	9/1/1924	97.33	Y	N
11105955	0411105955	Well No. 1	05204	Lancaster Midway Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105956	0411105956	Well No. 2	05204	Lancaster Midway Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105957	0411105957	Well No. 3	05204	Lancaster Midway Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105958	0411105958	Well No. 4	05204	Lancaster Midway Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121685	0411121685	Well No. 1	05384	Logsdon & Sloan Syndicate No 1	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121686	0411121686	Well No. 2	05384	Logsdon & Sloan Syndicate No 1	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121687	0411121687	Well No. 3	05384	Logsdon & Sloan Syndicate No 1	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121688	0411121688	Well No. 4	05384	Logsdon & Sloan Syndicate No 1	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121689	0411121689	Well No. 5	05384	Logsdon & Sloan Syndicate No 1	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121690	0411121690	Well No. 6	05384	Logsdon & Sloan Syndicate No 1	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105577	0411105577	Well No. 1	05888	Mex Cal Oil & Refining Co.,Ltd	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121881	0411121881	?	06029	Monarch Oil	Oil & Gas	Any Field	000	?	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121884	0411121884	?	06038	Montana Petro. Corp.	Oil & Gas	Any Field	000	?	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11103013	0411103013	Strathearn 10	06063	Moreland Investment Co.	Oil & Gas	Simi	710	Strathearn	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102257	0411102257	Well No. 52	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102258	0411102258	Well No. 51	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102259	0411102259	Well No. 56	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102260	0411102260	Well No. 53	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102261	0411102261	Well No. 54	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102262	0411102262	Well No. 55	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102263	0411102263	Well No. 59	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102264	0411102264	Well No. 63	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102265	0411102265	Well No. 67	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121673	0411121673	Well No. 57	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121674	0411121674	Well No. 58	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121675	0411121675	Well No. 60	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121676	0411121676	Well No. 61	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121677	0411121677	Well No. 62	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121678	0411121678	Well No. 64	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121679	0411121679	Well No. 65	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121680	0411121680	Well No. 66	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121681	0411121681	Well No. 68	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121682	0411121682	Well No. 69	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121683	0411121683	Well No. 70	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121684	0411121684	Well No. 71	06178	National Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106354	0411106354	1	06368	Oak Ridge Oil Co.	Dry Hole	Any Field	000	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11106438	0411106438	Well No. 1	06411	Oil King Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106439	0411106439	Well No. 2	06411	Oil King Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11101380	0411101380	Lyon Canyon 1	06431	Ojai Oil	Oil & Gas	Ojai	520	Lyon Canyon	Northern	Lion Mountain	Ventura	2/1/1902	119.92	Y	N
11106429	0411106429		06716	Paxton Gold Bond Oil Co.	Dry Hole	Any Field	000	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105631	0411105631	Well No. 1	06946	Progressive Oil and Refining	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121734	0411121734	Well No. 4	07327	Rio Virgin Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102267	0411102267	Well No. 1	07328	Rio Virgin Oil Syndicate	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102268	0411102268	Well No. 2	07328	Rio Virgin Oil Syndicate	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102269	0411102269	Well No. 3	07328	Rio Virgin Oil Syndicate	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11105644	0411105644	Core Hole 1	07362	Robert Cannell	Core Hole	Any Field	000	Core Hole	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121800	0411121800	Well No. 2	07502	Ruth J. Bishop & Buckeye Union	Oil & Gas	Sespe	694	Well No.	Northern	Little Sespe Creek	Ventura	2/1/1903	118.92	Y	N
11106056	0411106056	1	07655	Santa Clara Oil & Dev. Co.	Dry Hole	Any Field	000	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11102740	0411102740	Four Forks 2	07785	Sespe Explorations	Oil & Gas	Sespe	694	Four Forks	Northern	Foot of The Hills	Ventura	2/1/1902	119.92	Y	N
11102742	0411102742	Four Forks 5	07785	Sespe Explorations	Oil & Gas	Sespe	694	Four Forks	Northern	Foot of The Hills	Ventura	2/1/1902	119.92	Y	N
11121799	0411121799	Well No. 1	07785	Sespe Explorations	Oil & Gas	Sespe	694	Well No.	Northern	Tar Creek-Topatopa	Ventura	2/1/1903	118.92	Y	N
11103198	0411103198	Richardson Ranch 1	07802	Shamrock Drilling Co.	Oil & Gas	South Mountain	714	Richardson Ranch	Northern	Main	Ventura	1/1/1979	43.00	Y	N
11101546	0411101546	Hobson State 8	08073	State Lands Commission	Oil & Gas	Rincon	600	Hobson State	Northern	Offshore	Ventura	7/1/2019	2.51	N	N
11121887	0411121887	Well No. 1	08093	Stockholders Oil Co.	Oil & Gas	Sespe	694	Well No.	Northern	Foot of The Hills	Ventura	2/1/1902	119.92	Y	N
11101591	0411101591	Well No. 1	08123	Summit Oil Co.	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	4/3/1921	100.75	Y	N
11101592	0411101592	Well No. 2	08123	Summit Oil Co.	Oil & Gas	Ojai	520	Well No.	Northern	Oakview (ABD)	Ventura	2/2/1922	99.91	Y	N
11102273	0411102273	Well No. 1	08446	Thompson & Stever	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121691	0411121691	Well No. 5	08558	Trinitas Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121692	0411121692	Well No. 4	08558	Trinitas Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121693	0411121693	Well No. 3	08558	Trinitas Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121694	0411121694	Well No. 2	08558	Trinitas Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121695	0411121695	Well No. 1	08558	Trinitas Oil Co.	Oil & Gas	Conejo (ABD)	170	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11106047	0411106047	Well No. 1	08687	Utah California Consolidated Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	12/1/1921	100.09	Y	N
11102789	0411102789	Well No. B	09050	Wasibi Oil Co.	Oil & Gas	Sespe	694	Well No.	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11121885	0411121885	Unknown	09074	Webfoot Oil Co.	Oil & Gas	Any Field	000	Unspecified	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121895	0411121895	Well No. ?	09192	Whittier Fillmore Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11121896	0411121896	Well No. ?	09192	Whittier Fillmore Oil Co.	Dry Hole	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11101573	0411101573	Well No. ?	09360	Woods	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	2/1/1902	119.92	Y	N
11103176	0411103176	Well No. 1	09420	W. W. Lange	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11100317	0411100317	Burson 1	09421	Hardly Able Oil Co. (Pre 1977)	Dry Hole	Bardsdale	036	Burson	Northern	Any Area	Ventura	8/15/2002	19.38	Y	N
11100318	0411100318	Burson 2	09421	Hardly Able Oil Co. (Pre 1977)	Dry Hole	Bardsdale	036	Burson	Northern	Any Area	Ventura	8/15/2002	19.38	Y	N
11100512	0411100512	ACL 2	10460	Hammond Canyon I, Inc.	Oil & Gas	Canada Larga	102	ACL	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11101499	0411101499	4	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	8/1/2013	8.42	Y	N
11101500	0411101500	6	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101501	0411101501	8	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101502	0411101502	9	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	3/1/2019	2.84	N	N
11101503	0411101503	10	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101505	0411101505	14	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	9/1/2012	9.33	Y	N
11101506	0411101506	15	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101507	0411101507	16	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	2/1/2015	6.92	N	N
11101508	0411101508	17	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101509	0411101509	19	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11101510	0411101510	20	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	11/1/2012	9.17	Y	N
11101513	0411101513	25	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101514	0411101514	26	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11101515	0411101515	33	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	7/1/2012	9.50	Y	N
11101516	0411101516	35	11109	West Energy Operating, LLC	Water Disposal	Ramona	586	None	Northern	Any Area	Ventura	8/1/2016	5.42	N	N
11101517	0411101517	37	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11101518	0411101518	40	11109	West Energy Operating, LLC	Oil & Gas	Ramona	586	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11120010	0411120010	2	11109	West Energy Operating, LLC	Waterflood	Big Mountain	056	None	Northern	Any Area	Ventura	7/1/1982	39.51	Y	N
11120044	0411120044	3	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11120193	0411120193	1	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11120315	0411120315	5	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	10/1/2021	0.25	N	N
11120337	0411120337	9	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11120338	0411120338	10	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11120339	0411120339	11	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	6/1/2009	12.59	Y	N
11120340	0411120340	12	11109	West Energy Operating, LLC	Water Disposal	Oak Park	512	None	Northern	Any Area	Ventura	10/1/2021	0.25	N	N
11120369	0411120369	1-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11120419	0411120419	2-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120493	0411120493	14	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	4/1/2018	3.75	N	N
11121521	0411121521	4-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11121643	0411121643	6-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	7/1/2012	9.50	Y	N
11121644	0411121644	7-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11121645	0411121645	9-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	9/1/2019	2.34	N	N
11121831	0411121831	10-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	56	None	Northern	Any Area	Ventura	1/1/2022	0.00	N	N
11121834	0411121834	12-19	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	11/1/2012	9.17	Y	N
11122138	0411122138	24H	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11122272	0411122272	1	11109	West Energy Operating, LLC	Oil & Gas	Oak Park	512	None	Northern	Any Area	Ventura	10/1/2016	5.25	N	N
11122273	0411122273	1	11109	West Energy Operating, LLC	Oil & Gas	Big Mountain	056	None	Northern	Any Area	Ventura	11/1/2016	5.17	N	N
11122187	0411122187	Joseph-Maulhardt 2	A0150	ABA Energy Corporation	Oil & Gas	Oxnard	530	Joseph-Maulhardt	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11122360	0411122360	Joseph-Maulhardt 9	A0150	ABA Energy Corporation	Oil & Gas	Oxnard	530	Joseph-Maulhardt	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11101471	0411101471	Adams-Aguirre 104	A0380	T. E. Adams Petroleum Corp.	Oil & Gas	Ramona	586	Adams-Aguirre	Northern	Any Area	Ventura	2/1/2007	14.92	Y	N
11101473	0411101473	Adams-Aguirre 106	A0380	T. E. Adams Petroleum Corp.	Oil & Gas	Ramona	586	Adams-Aguirre	Northern	Any Area	Ventura	10/1/1993	28.25	Y	N
11101476	0411101476	Adams-Aguirre 109	A0380	T. E. Adams Petroleum Corp.	Oil & Gas	Ramona	586	Adams-Aguirre	Northern	Any Area	Ventura	2/1/2003	18.92	Y	N
11101477	0411101477	Adams-Aguirre 110	A0380	T. E. Adams Petroleum Corp.	Oil & Gas	Ramona	586	Adams-Aguirre	Northern	Any Area	Ventura	11/1/2013	8.17	Y	N
11100061	0411100061	Taylor 510	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100128	0411100128	V. L. & W. 27	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	8/1/2006	15.42	Y	N
11100145	0411100145	V.L. & W. 141	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11100160	0411100160	Lloyd Corp. 73	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	9/1/2010	11.34	Y	N
11100268	0411100268	Taylor 399	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100272	0411100272	Taylor 515	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	5/1/1980	41.67	Y	N
11100279	0411100279	Taylor 368	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/1995	26.51	Y	N
11100282	0411100282	Taylor 428	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100286	0411100286	Taylor 492	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1980	42.00	Y	N
11100287	0411100287	Taylor 516	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/1980	41.75	Y	N
11100296	0411100296	V. L. & W. 135	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/1988	33.67	Y	N
11100298	0411100298	Taylor 488	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2019	2.51	N	N
11100509	0411100509	Taylor 337	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/1980	41.75	Y	N
11102198	0411102198	Taylor 86	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1981	41.00	Y	N
11102199	0411102199	Taylor 282	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/1984	37.84	Y	N
11102279	0411102279	V. L. & W. 65	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	10/1/1988	33.25	Y	N
11102452	0411102452	Taylor 403	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102453	0411102453	McGonigle 29	A0610	Aera Energy LLC	Waterflood	Ventura	814	McGonigle	Northern	Any Area	Ventura	2/1/2009	12.92	Y	N
11103880	0411103880	RBU Orton 1	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Orton	Northern	Any Area	Ventura	7/1/2018	3.50	N	N
11103882	0411103882	RBU Orton 3	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Orton	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103883	0411103883	RBU Orton 4	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Orton	Northern	Any Area	Ventura	8/1/2013	8.42	Y	N
11103884	0411103884	RBU Orton 5	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Orton	Northern	Any Area	Ventura	7/1/2009	12.50	Y	N
11103890	0411103890	RBU Orton 10	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Orton	Northern	Any Area	Ventura	2/1/2021	0.92	N	N
11103897	0411103897	RBU Willett 2	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Willett	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11103914	0411103914	Hartmann 18	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartmann	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11103919	0411103919	Hartmann-Barnard Unit 1	A0610	Aera Energy LLC	Waterflood	Ventura	814	Hartmann-Barnard Unit	Northern	Any Area	Ventura	2/1/2015	6.92	N	N
11103923	0411103923	Lloyd Corp. 1	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1983	39.00	Y	N
11103926	0411103926	Lloyd Corp. 3	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103927	0411103927	Lloyd Corporation 4	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103928	0411103928	Lloyd Corp. 5	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103929	0411103929	Lloyd Corporation 6	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103930	0411103930	Lloyd Corp. 8	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	9/1/2008	13.33	Y	N
11103931	0411103931	Lloyd Corp. 9	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103932	0411103932	Lloyd Corp. 10	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103933	0411103933	Lloyd Corporation 11	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103934	0411103934	Lloyd Corporation 12	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	9/1/2005	16.34	Y	N
11103935	0411103935	Lloyd Corporation 13	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	9/1/2005	16.34	Y	N
11103937	0411103937	Lloyd Corp. 15	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103938	0411103938	Lloyd Corp. 16	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	7/1/2005	16.51	Y	N
11103940	0411103940	Lloyd Corp. 18	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11103942	0411103942	Lloyd Corp. 20	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	10/1/2018	3.25	N	N
11103943	0411103943	Lloyd Corporation 21	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11103944	0411103944	Lloyd Corp. 22	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	5/1/2014	7.67	N	N
11103945	0411103945	Lloyd Corporation 23	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11103947	0411103947	Lloyd Corp. 25	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	4/1/1992	29.75	Y	N
11103949	0411103949	Lloyd Corp. 27	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11103950	0411103950	Lloyd Corp. 28	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	8/1/2020	1.42	N	N
11103951	0411103951	Lloyd Corp. 29A	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11103952	0411103952	Lloyd Corporation 30	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103953	0411103953	Lloyd Corp. 31	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103954	0411103954	Lloyd Corp. 32	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11103955	0411103955	Lloyd Corp. 33	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	9/1/2000	21.33	Y	N
11103956	0411103956	Lloyd Corp. 34	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11103957	0411103957	Lloyd Corp. 35	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/1994	27.92	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11103958	0411103958	Lloyd Corp. 36	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	5/1/1999	22.67	Y	N
11103960	0411103960	Lloyd Corp. 38	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	8/1/1999	22.42	Y	N
11103961	0411103961	Lloyd Corp. 39	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103962	0411103962	Lloyd Corp. 40	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	11/1/2013	8.17	Y	N
11103963	0411103963	Lloyd Corp. 41	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/2000	22.00	Y	N
11103964	0411103964	Lloyd Corp. 42	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11103965	0411103965	Lloyd Corp. 43	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103966	0411103966	Lloyd Corporation 44	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	10/1/2017	4.25	N	N
11103967	0411103967	Lloyd Corp. 46	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	4/1/2014	7.75	N	N
11103968	0411103968	Lloyd Corp. 47	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	4/1/2003	18.75	Y	N
11103969	0411103969	Lloyd Corp. 48	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103970	0411103970	Lloyd Corp. 49	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11103971	0411103971	Lloyd Corp. 51	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11103972	0411103972	Lloyd Corp. 52	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11103973	0411103973	Lloyd Corporation 53	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	2/1/1994	27.92	Y	N
11103974	0411103974	Lloyd Corp. 54	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11103975	0411103975	Lloyd Corp. 56	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	9/1/2004	17.33	Y	N
11103976	0411103976	Lloyd Corp 57	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp	Northern	Any Area	Ventura	2/1/2002	19.92	Y	N
11103977	0411103977	Lloyd Corp. 58	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103978	0411103978	Lloyd Corp. 60	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1996	26.00	Y	N
11103979	0411103979	Lloyd Corp. 61	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11103980	0411103980	Lloyd Corp. 62	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	4/1/1992	29.75	Y	N
11103981	0411103981	Lloyd Corp. 63	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11103982	0411103982	Lloyd Corp. 66	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/1984	37.92	Y	N
11103983	0411103983	Lloyd Corp 68	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11103984	0411103984	Lloyd Corp. 69	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	11/1/1989	32.17	Y	N
11103985	0411103985	Lloyd Corp 70	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp	Northern	Any Area	Ventura	7/1/1989	32.51	Y	N
11103986	0411103986	Lloyd Corp 71	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11103987	0411103987	Lloyd Corp. 72	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	11/1/1998	23.17	Y	N
11103988	0411103988	Lloyd 29	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103990	0411103990	Lloyd 130	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	8/1/1995	26.42	Y	N
11103991	0411103991	Lloyd 201	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	7/1/1988	33.50	Y	N
11104000	0411104000	V. L. & W. 142	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	7/1/2002	19.51	Y	N
11104201	0411104201	V. L. & W. 63	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104242	0411104242	Taylor 194	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11104244	0411104244	Taylor 434	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/1980	41.50	Y	N
11104245	0411104245	Lloyd Corp. 74	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	5/1/2003	18.67	Y	N
11104246	0411104246	Lloyd Corp. 75	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11104247	0411104247	Lloyd Corp. 76	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	3/1/2000	21.84	Y	N
11104248	0411104248	Lloyd Corp. 82	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	5/1/1983	38.67	Y	N
11104249	0411104249	Lloyd Corp. 83	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	9/1/1999	22.34	Y	N
11104251	0411104251	Lloyd Corp. 85	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/1991	30.59	Y	N
11104252	0411104252	Lloyd Corp. 89	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	4/1/1990	31.75	Y	N
11104253	0411104253	Lloyd Corp. 90	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	5/1/1992	29.67	Y	N
11104254	0411104254	Lloyd Corp. 91	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	6/1/1990	31.59	Y	N
11104255	0411104255	Lloyd Corp. 93	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/1991	30.92	Y	N
11104256	0411104256	Lloyd Corp. 92	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	2/1/1991	30.92	Y	N
11104257	0411104257	Lloyd Corp. 94	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	8/1/1993	28.42	Y	N
11104258	0411104258	Lloyd Corporation 801	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	9/1/2016	5.33	N	N
11104259	0411104259	Lloyd Corp. 802	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104263	0411104263	Shell-Lloyd 1A	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Shell-Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104264	0411104264	Shell-Lloyd 2A	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Shell-Lloyd	Northern	Any Area	Ventura	9/1/1998	23.34	Y	N
11104276	0411104276	Barnard 4	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Barnard	Northern	Any Area	Ventura	10/1/1924	97.25	Y	N
11104287	0411104287	Barnard 15A	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Barnard	Northern	Any Area	Ventura	1/1/2021	1.00	N	N
11104293	0411104293	Barnard 21	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Barnard	Northern	Any Area	Ventura	5/1/1993	28.67	Y	N
11104324	0411104324	Citrus 3	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Citrus	Northern	Any Area	Ventura	1/1/1988	34.00	Y	N
11104333	0411104333	Edison 8	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Edison	Northern	Any Area	Ventura	11/1/2020	1.17	N	N
11104342	0411104342	RBU Edison 18	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Edison	Northern	Any Area	Ventura	1/1/2003	19.00	Y	N
11104346	0411104346	RBU Edison 23	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Edison	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104348	0411104348	RBU Edison 25	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Edison	Northern	Any Area	Ventura	2/1/1991	30.92	Y	N
11104351	0411104351	V.L. & W. 90	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11104375	0411104375	Edison 52	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Edison	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11104384	0411104384	Edison 61	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Edison	Northern	Any Area	Ventura	9/1/2021	0.33	N	N
11104406	0411104406	RBU Gosnell 12	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	1/1/2011	11.00	Y	N
11104418	0411104418	RBU Gosnell 24	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104420	0411104420	RBU Gosnell 27	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	7/1/1995	26.51	Y	N
11104427	0411104427	RBU Gosnell 34	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	5/1/2018	3.67	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11104428	0411104428	Gosnell 35	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Gosnell	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11104429	0411104429	RBU Gosnell 36	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	11/1/2020	1.17	N	N
11104438	0411104438	Hartman 2	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104440	0411104440	Hartman 4	A0610	Aera Energy LLC	Waterflood	Ventura	814	Hartman	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11104448	0411104448	Hartman 12	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11104499	0411104499	Taylor 48	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11104522	0411104522	Taylor 74	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104537	0411104537	Taylor 91	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11104540	0411104540	Taylor 94	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104541	0411104541	Taylor 96	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Taylor	Northern	Any Area	Ventura	7/1/1997	24.51	Y	N
11104543	0411104543	Taylor 98	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	8/1/2021	0.42	N	N
11104566	0411104566	Taylor 124	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2017	4.34	N	N
11104571	0411104571	Taylor 129	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104578	0411104578	Taylor 137	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11104583	0411104583	Taylor 143	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2009	12.92	Y	N
11104593	0411104593	Taylor 135	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2017	4.50	N	N
11104604	0411104604	Taylor 165	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/2021	0.25	N	N
11104616	0411104616	Taylor 193	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2017	4.34	N	N
11104622	0411104622	Hartman East 5	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	2/1/2016	5.92	N	N
11104626	0411104626	Taylor 252	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/1993	28.59	Y	N
11104635	0411104635	Hartman East 15	A0610	Aera Energy LLC	Waterflood	Ventura	814	Hartman East	Northern	Any Area	Ventura	11/1/2014	7.17	N	N
11104641	0411104641	Hartman East 21	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11104642	0411104642	Hartman East 22	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	4/1/2004	17.75	Y	N
11104644	0411104644	Hartman East 25	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	2/1/1983	38.92	Y	N
11104645	0411104645	Hartman East 26	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	7/1/1994	27.51	Y	N
11104653	0411104653	Hartman East 34	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11104655	0411104655	Hartman East 36	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11104659	0411104659	Hartman East 40	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11104668	0411104668	Hartman East 50	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104670	0411104670	Hartman East 53	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11104695	0411104695	Lloyd 21	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1990	32.00	Y	N
11104697	0411104697	Lloyd 23	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104698	0411104698	Lloyd 24	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104699	0411104699	Lloyd 25	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104700	0411104700	Lloyd 26	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104703	0411104703	Lloyd 30	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/1998	23.59	Y	N
11104718	0411104718	Lloyd 47	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104723	0411104723	Lloyd 53	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104730	0411104730	Lloyd 60	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	5/1/2016	5.67	N	N
11104731	0411104731	Lloyd 61	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	4/1/1993	28.75	Y	N
11104732	0411104732	Lloyd 62	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	12/1/2016	5.08	N	N
11104737	0411104737	Lloyd 67	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11104738	0411104738	Lloyd 68	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	9/1/1990	31.34	Y	N
11104744	0411104744	Lloyd 74	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	7/1/1989	32.51	Y	N
11104746	0411104746	Lloyd 76	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	8/1/2003	18.42	Y	N
11104749	0411104749	Lloyd 79	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104758	0411104758	V.L. & W. 122	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104759	0411104759	V. L. & W. 126	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104762	0411104762	Lloyd 82	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	2/1/1994	27.92	Y	N
11104765	0411104765	Lloyd 85	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104766	0411104766	Lloyd 86	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	10/1/1990	31.25	Y	N
11104769	0411104769	Lloyd 89	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11104770	0411104770	Lloyd 90	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1991	31.00	Y	N
11104776	0411104776	Lloyd 96	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	10/1/1990	31.25	Y	N
11104777	0411104777	Lloyd 97	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	3/1/1995	26.84	Y	N
11104778	0411104778	Lloyd 98	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/2018	3.59	N	N
11104779	0411104779	Lloyd 99	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	12/1/1993	28.09	Y	N
11104784	0411104784	Lloyd 104	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/2014	8.00	Y	N
11104787	0411104787	Lloyd 107	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104801	0411104801	Lloyd 123	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/2008	13.17	Y	N
11104803	0411104803	Lloyd 125	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11104809	0411104809	Lloyd 133	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	7/1/1998	23.51	Y	N
11104814	0411104814	Lloyd 151	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/1993	28.59	Y	N
11104815	0411104815	Lloyd 140	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/2007	14.17	Y	N
11104816	0411104816	Lloyd 141	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	5/1/1988	33.67	Y	N
11104821	0411104821	Lloyd 146	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11104822	0411104822	Lloyd 147	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N

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Preliminary 2022 Idle Well Management Plan (IWMP Inventory). Includes only wells that were idle on January 1, 2022.

API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11104833	0411104833	Lloyd 159	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	5/1/2015	6.67	N	N
11104835	0411104835	Lloyd 161	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	2/1/1980	41.92	Y	N
11104838	0411104838	Lloyd 164	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	8/1/1993	28.42	Y	N
11104852	0411104852	Lloyd 178	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/2017	4.59	N	N
11104854	0411104854	Lloyd 180	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104856	0411104856	Lloyd 183	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/2017	5.00	N	N
11104857	0411104857	Lloyd 184	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	7/1/1996	25.50	Y	N
11104858	0411104858	Lloyd 185	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/1997	24.59	Y	N
11104860	0411104860	Lloyd 191	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	4/1/1990	31.75	Y	N
11104868	0411104868	Taylor 179	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/1994	27.84	Y	N
11104872	0411104872	McGonigle 2	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104875	0411104875	McGonigle 4	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104876	0411104876	McGonigle 5	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104879	0411104879	McGonigle 10	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	4/1/1993	28.75	Y	N
11104881	0411104881	McGonigle 12	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	10/1/2017	4.25	N	N
11104882	0411104882	McGonigle 14	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/2014	8.00	Y	N
11104883	0411104883	McGonigle 15	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	11/1/2015	6.17	N	N
11104884	0411104884	McGonigle 16	A0610	Aera Energy LLC	Waterflood	Ventura	814	McGonigle	Northern	Any Area	Ventura	11/1/2020	1.17	N	N
11104885	0411104885	McGonigle 18	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104889	0411104889	McGonigle 22	A0610	Aera Energy LLC	Waterflood	Ventura	814	McGonigle	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11104890	0411104890	McGonigle 23	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104891	0411104891	McGonigle 24	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104893	0411104893	McGonigle 26	A0610	Aera Energy LLC	Waterflood	Ventura	814	McGonigle	Northern	Any Area	Ventura	9/1/1993	28.34	Y	N
11104894	0411104894	McGonigle 27	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	11/1/2015	6.17	N	N
11104897	0411104897	McGonigle 31	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11104900	0411104900	McGonigle 34	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	McGonigle	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11104908	0411104908	V. L. & W. 1	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104916	0411104916	V.L. & W. 9A	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	5/1/1986	35.67	Y	N
11104917	0411104917	V. L. & W. 10	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104919	0411104919	V. L. & W. 12	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104921	0411104921	V. L. & W. 16	A0610	Aera Energy LLC	Water Source	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11104924	0411104924	V.L. & W. 19	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	3/1/1988	33.84	Y	N
11104925	0411104925	V. L. & W. 20	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104926	0411104926	Taylor 189	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104927	0411104927	Taylor 536	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/1997	24.25	Y	N
11104931	0411104931	Taylor 366	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1994	28.00	Y	N
11104937	0411104937	V. L. & W. 21	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	9/1/1988	33.33	Y	N
11104938	0411104938	V. L. & W. 22	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	9/1/1980	41.33	Y	N
11104939	0411104939	V. L. & W. 23	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11104940	0411104940	V. L. & W. 24	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104944	0411104944	V. L. & W. 29	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	12/1/1982	39.09	Y	N
11104947	0411104947	V. L. & W. 32	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	9/1/1986	35.34	Y	N
11104948	0411104948	V. L. & W. 33	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	10/1/2005	16.25	Y	N
11104949	0411104949	V. L. & W. 34	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	9/1/1986	35.34	Y	N
11104950	0411104950	V. L. & W. 35	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/2018	3.17	N	N
11104951	0411104951	V. L. & W. 36	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	3/1/1982	39.84	Y	N
11104955	0411104955	V. L. & W. 40	A0610	Aera Energy LLC	Water Source	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11104956	0411104956	V. L. & W. 41	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104958	0411104958	V.L. & W. 44	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	6/1/1998	23.59	Y	N
11104959	0411104959	V. L. & W. 45	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	8/1/1980	41.42	Y	N
11104960	0411104960	V. L. & W. 46	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/2014	7.67	N	N
11104961	0411104961	V. L. & W. 47	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/2005	16.17	Y	N
11104962	0411104962	V. L. & W. 48	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	7/1/1984	37.50	Y	N
11104963	0411104963	V. L. & W. 49	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104965	0411104965	V. L. & W. 51	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/1984	37.17	Y	N
11104966	0411104966	V. L. & W. 52	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	4/1/2020	1.75	N	N
11104967	0411104967	V. L. & W. 53	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2014	8.00	Y	N
11104968	0411104968	V. L. & W. 54	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	6/1/1997	24.59	Y	N
11104969	0411104969	V.L. & W. 55	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11104973	0411104973	V. L. & W. 59	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/2015	6.67	N	N
11104976	0411104976	V. L. & W. 62	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	10/1/1986	35.25	Y	N
11104977	0411104977	V. L. & W. 64	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104978	0411104978	V. L. & W. 66	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	7/1/2005	16.51	Y	N
11104979	0411104979	V.L. & W. 67	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11104981	0411104981	V.L. & W. 69	A0610	Aera Energy LLC	Multi-Purpose	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104983	0411104983	V. L. & W. 71	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/1999	22.67	Y	N
11104986	0411104986	V. L. & W. 105	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1997	25.00	Y	N

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**Preliminary 2022 Idle Well Management Plan (IWMP Inventory). Includes only wells that were idle on January 1, 2022.*

API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11104987	0411104987	V. L. & W. 75	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11104989	0411104989	V. L. & W. 77	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2004	18.00	Y	N
11104990	0411104990	V. L. & W. 78	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/1995	26.67	Y	N
11104991	0411104991	V. L. & W. 79	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	7/1/2003	18.51	Y	N
11104992	0411104992	V. L. & W. 80	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	10/1/1988	33.25	Y	N
11104993	0411104993	V. L. & W. 81	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	7/1/2003	18.51	Y	N
11104998	0411104998	V. L. & W. 86	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	8/1/1979	42.42	Y	N
11105000	0411105000	V. L. & W. 88	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/2005	16.67	Y	N
11105001	0411105001	V. L. & W. 89	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	4/1/1999	22.75	Y	N
11105002	0411105002	V.L. & W. 91	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	9/1/2004	17.33	Y	N
11105005	0411105005	V.L. & W. 94	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	6/1/1994	27.59	Y	N
11105006	0411105006	V.L. & W. 95	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11105007	0411105007	V. L. & W. 96	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	12/1/2016	5.08	N	N
11105008	0411105008	V.L. & W. 97	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11105009	0411105009	V. L. & W. 98	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/2002	19.17	Y	N
11105010	0411105010	V. L. & W. 99	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	12/1/2003	18.09	Y	N
11105011	0411105011	V.L. & W. 100	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11105012	0411105012	V. L. & W. 101	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11105013	0411105013	V. L. & W. 102	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	3/1/1999	22.84	Y	N
11105015	0411105015	V.L. & W. 104	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	8/1/1980	41.42	Y	N
11105016	0411105016	V. L. & W. 106	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	12/1/2000	21.08	Y	N
11105019	0411105019	V.L. & W. 109	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	11/1/1998	23.17	Y	N
11105023	0411105023	V. L. & W. 113	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	3/1/2006	15.84	Y	N
11105026	0411105026	V.L. & W. 117	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	9/1/1991	30.34	Y	N
11105028	0411105028	V.L. & W. 119	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	9/1/1999	22.34	Y	N
11105030	0411105030	V. L. & W. 121	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105031	0411105031	V.L. & W. 123	A0610	Aera Energy LLC	Waterflood	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	8/1/2004	17.42	Y	N
11105036	0411105036	V.L. & W. 132	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	6/1/2014	7.59	N	N
11105037	0411105037	V. L. & W. 137	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	12/1/2003	18.09	Y	N
11105041	0411105041	V.L. & W. 144	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	4/1/1985	36.75	Y	N
11105042	0411105042	V. L. & W. 145	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105043	0411105043	V.L. & W. 146	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V.L. & W.	Northern	Any Area	Ventura	3/1/2002	19.84	Y	N
11105048	0411105048	Taylor 509	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/1998	23.92	Y	N
11105050	0411105050	Taylor 291	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11105051	0411105051	Taylor 176	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/2017	4.59	N	N
11105058	0411105058	Taylor 188	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2019	2.92	N	N
11105059	0411105059	Taylor 190	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11105062	0411105062	Taylor 196	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105064	0411105064	Taylor 198	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105068	0411105068	Taylor 201	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2018	3.50	N	N
11105069	0411105069	Taylor 202	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105079	0411105079	Taylor 212	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105084	0411105084	Taylor 217	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11105092	0411105092	Taylor 227	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11105101	0411105101	Taylor 236	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11105110	0411105110	Taylor 247	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2017	4.92	N	N
11105113	0411105113	Taylor 250	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2005	16.17	Y	N
11105124	0411105124	Taylor 265	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11105127	0411105127	Taylor 268	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	5/1/1991	30.67	Y	N
11105138	0411105138	Taylor 280	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/1996	25.33	Y	N
11105141	0411105141	Taylor 298	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11105150	0411105150	Taylor 297	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11105164	0411105164	Taylor 313	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11105166	0411105166	Taylor 315	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11105172	0411105172	Taylor 322	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/1996	25.25	Y	N
11105175	0411105175	Taylor 325	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2019	2.84	N	N
11105176	0411105176	Taylor 326	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2016	5.17	N	N
11105185	0411105185	Taylor 335	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2006	15.75	Y	N
11105195	0411105195	Taylor 348	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2006	15.34	Y	N
11105197	0411105197	Taylor 350	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2001	20.75	Y	N
11105198	0411105198	Taylor 351	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/2006	15.25	Y	N
11105200	0411105200	Taylor 353	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2017	4.17	N	N
11105205	0411105205	Taylor 357	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	8/1/2015	6.42	N	N
11105210	0411105210	Taylor 363	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2021	0.33	N	N
11105214	0411105214	Taylor 369	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/1999	22.59	Y	N
11105217	0411105217	Taylor 372	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/1987	34.09	Y	N
11105219	0411105219	Taylor 374	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11105227	0411105227	Taylor 382	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/1995	26.09	Y	N
11105230	0411105230	Taylor 386	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11105237	0411105237	Taylor 395	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2020	1.75	N	N
11105239	0411105239	Taylor 398	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/1985	36.34	Y	N
11105240	0411105240	Taylor 401	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/2018	3.25	N	N
11105241	0411105241	Taylor 402	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2016	5.50	N	N
11105246	0411105246	Taylor 408	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105249	0411105249	Taylor 411	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11105262	0411105262	Taylor 425	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105267	0411105267	Taylor 433	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11105269	0411105269	Taylor 436	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11105271	0411105271	Taylor 440	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	5/1/1991	30.67	Y	N
11105278	0411105278	Taylor 448	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/1999	22.17	Y	N
11105279	0411105279	Taylor 449	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2015	6.84	N	N
11105281	0411105281	Taylor 451	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2018	3.75	N	N
11105284	0411105284	Taylor 454	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1977	45.00	Y	N
11105286	0411105286	Taylor 456	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/1997	24.75	Y	N
11105297	0411105297	Taylor 470	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11105298	0411105298	Taylor 472	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105299	0411105299	Taylor 473	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/1985	36.92	Y	N
11105302	0411105302	Taylor 480	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2009	12.34	Y	N
11105305	0411105305	Taylor 483	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11105312	0411105312	Taylor 494	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105313	0411105313	Taylor 496	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105314	0411105314	Taylor 497	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/1979	42.17	Y	N
11105317	0411105317	Taylor 504	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11105320	0411105320	Taylor 507	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2020	1.33	N	N
11105323	0411105323	Taylor 512	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2001	20.75	Y	N
11105341	0411105341	Taylor 535	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2008	13.92	Y	N
11105343	0411105343	Taylor 538	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11105351	0411105351	Taylor 539	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	5/1/2003	18.67	Y	N
11105359	0411105359	Taylor 556	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	2/1/2020	1.92	N	N
11105366	0411105366	Taylor 563	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11105375	0411105375	Taylor 572	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11105376	0411105376	Taylor 573	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2010	11.34	Y	N
11105377	0411105377	Taylor 574	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105378	0411105378	Taylor 575	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/1992	29.08	Y	N
11105385	0411105385	Taylor 582	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105388	0411105388	Taylor 585	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2021	0.75	N	N
11105393	0411105393	Taylor 591	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/2020	1.58	N	N
11105396	0411105396	Taylor 594	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/2005	16.59	Y	Y
11105407	0411105407	Taylor 605	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2006	15.34	Y	N
11105425	0411105425	Taylor 802	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2013	8.84	Y	N
11105426	0411105426	Taylor 804	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	7/1/2018	3.50	N	N
11105429	0411105429	Taylor 810	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2014	7.17	N	N
11105430	0411105430	Taylor 811	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2019	2.75	N	N
11105492	0411105492	Lloyd Corporation 55	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corporation	Northern	Any Area	Ventura	2/1/2002	19.92	Y	N
11105494	0411105494	Lloyd Corp. 803	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd Corp.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105536	0411105536	Taylor 430	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N
11106202	0411106202	RBU Edison 21	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Edison	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11120054	0411120054	Taylor 631	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11120156	0411120156	V. L. & W. W.S. 1	A0610	Aera Energy LLC	Water Source	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11120157	0411120157	V. L. & W. W.S. 2	A0610	Aera Energy LLC	Water Source	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11120178	0411120178	V. L. & W. W.S. 4	A0610	Aera Energy LLC	Water Source	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11120186	0411120186	V. L. & W. W.S. 3	A0610	Aera Energy LLC	Water Source	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11120250	0411120250	Lloyd 198	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	8/1/2019	2.42	N	N
11120251	0411120251	Lloyd 204	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	10/1/2004	17.25	Y	N
11120253	0411120253	Lloyd 203	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120258	0411120258	Lloyd 205	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120266	0411120266	Lloyd 221	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	12/1/2003	18.09	Y	N
11120269	0411120269	V. L. & W. 159	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11120271	0411120271	Hartman East 56	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	8/1/2021	0.42	N	N
11120327	0411120327	Lloyd W.S. 6	A0610	Aera Energy LLC	Water Source	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1992	30.00	Y	N
11120360	0411120360	Lloyd W.S. 7	A0610	Aera Energy LLC	Water Source	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1992	30.00	Y	N
11120362	0411120362	Lloyd 210	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	10/1/1984	37.25	Y	N
11120385	0411120385	Taylor 649	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/2011	11.00	Y	N
11120465	0411120465	V. L. & W. 147	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	9/1/1993	28.34	Y	N

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**Preliminary 2022 Idle Well Management Plan (IWMP Inventory). Includes only wells that were idle on January 1, 2022.*

API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11120518	0411120518	Lloyd 228	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/2000	21.17	Y	N
11120521	0411120521	V. L. & W. 161	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120565	0411120565	V. L. & W. 162	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	9/1/1998	23.34	Y	N
11120656	0411120656	Taylor 656	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/2/2000	21.58	Y	N
11120667	0411120667	Lloyd 217	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120756	0411120756	Taylor 657	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/1994	27.34	Y	N
11120794	0411120794	Hartman East 62	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	2/1/1989	32.92	Y	N
11120849	0411120849	Lloyd 230	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	2/1/2020	1.92	N	N
11120927	0411120927	Lloyd 232	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11120937	0411120937	Lloyd 234	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11121023	0411121023	RBU Willett 7	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Willett	Northern	Any Area	Ventura	5/1/2001	20.67	Y	N
11121064	0411121064	RBU Gosnell 44	A0610	Aera Energy LLC	Waterflood	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	6/1/2013	8.59	Y	N
11121065	0411121065	Lloyd 241	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	7/1/2020	1.50	N	N
11121091	0411121091	Lloyd 239	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11121117	0411121117	Lloyd 243	A0610	Aera Energy LLC	Waterflood	Ventura	814	Lloyd	Northern	Any Area	Ventura	8/1/2021	0.42	N	N
11121212	0411121212	RBU Gosnell 45	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	11/1/2017	4.17	N	N
11121224	0411121224	Lloyd 213	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	11/1/1995	26.17	Y	N
11121228	0411121228	Lloyd 303	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	6/1/1989	32.59	Y	N
11121232	0411121232	V. L. & W. 164	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	3/1/2002	19.84	Y	N
11121260	0411121260	Taylor 663	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	8/1/2021	0.42	N	N
11121311	0411121311	V. L. & W. 165	A0610	Aera Energy LLC	Waterflood	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	5/1/2017	4.67	N	N
11121398	0411121398	RBU Edison 69	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Edison	Northern	Any Area	Ventura	6/1/2003	18.59	Y	N
11121405	0411121405	Hartman East 69	A0610	Aera Energy LLC	Waterflood	Ventura	814	Hartman East	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121408	0411121408	Hartman East 68	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman East	Northern	Any Area	Ventura	5/1/1990	31.67	Y	N
11121409	0411121409	RBU Gosnell 50	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Gosnell	Northern	Any Area	Ventura	7/1/2013	8.50	Y	N
11121416	0411121416	McGonigle 50	A0610	Aera Energy LLC	Waterflood	Ventura	814	McGonigle	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11121417	0411121417	V. L. & W. 166	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/1996	25.17	Y	N
11121434	0411121434	RBU Taylor 691	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	RBU Taylor	Northern	Any Area	Ventura	4/1/2016	5.75	N	N
11121457	0411121457	Lloyd 250	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	4/1/2019	2.75	N	N
11121488	0411121488	Taylor 704	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2015	6.75	N	N
11121517	0411121517	Taylor 713	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11121550	0411121550	Taylor 714	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/1996	25.33	Y	N
11121552	0411121552	Taylor 115R	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/2018	3.59	N	N
11121605	0411121605	Taylor 722	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/2017	4.25	N	N
11121608	0411121608	Taylor 735	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	1/1/1993	29.00	Y	N
11121614	0411121614	Lloyd 248	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121618	0411121618	Taylor 737	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11121624	0411121624	Taylor 738	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	5/1/1993	28.67	Y	N
11121626	0411121626	Taylor 739	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	10/1/2010	11.25	Y	N
11121627	0411121627	Hartman 24	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Hartman	Northern	Any Area	Ventura	10/1/2021	0.25	N	N
11121651	0411121651	AWS 1	A0610	Aera Energy LLC	Water Source	Ventura	814	AWS	Northern	Any Area	Ventura	5/1/2002	19.67	Y	N
11121843	0411121843	Taylor 741	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	9/1/2017	4.34	N	N
11121948	0411121948	Taylor 766	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/2018	3.09	N	N
11121949	0411121949	Taylor 764	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	8/1/2021	0.42	N	N
11122002	0411122002	Taylor 785	A0610	Aera Energy LLC	Waterflood	Ventura	814	Taylor	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11122010	0411122010	Lloyd 266	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	10/1/2014	7.25	N	N
11122012	0411122012	Taylor 789	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	4/1/2018	3.75	N	N
11122013	0411122013	Taylor 790	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	8/1/2019	2.42	N	N
11122024	0411122024	Lloyd 274	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Lloyd	Northern	Any Area	Ventura	1/1/2018	4.00	N	N
11122039	0411122039	Taylor 821	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	6/1/2017	4.59	N	N
11122109	0411122109	V. L. & W. 183	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	V. L. & W.	Northern	Any Area	Ventura	11/1/2015	6.17	N	N
11122128	0411122128	Taylor 837	A0610	Aera Energy LLC	Oil & Gas	Ventura	814	Taylor	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11104076	0411104076	Hidden 1	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Hidden	Northern	Any Area	Ventura	9/1/2002	19.34	Y	N
11104079	0411104079	Snow 1A	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Snow	Northern	Any Area	Ventura	1/1/2021	1.00	N	N
11104080	0411104080	Snow 2	A2490	Ample Resources, Inc.	Water Disposal	Temescal	764	Snow	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11104081	0411104081	Snow 3	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Snow	Northern	Any Area	Ventura	2/1/1999	22.92	Y	N
11104082	0411104082	Snow 4	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Snow	Northern	Any Area	Ventura	5/1/2011	10.67	Y	N
11104083	0411104083	Snow 5	A2490	Ample Resources, Inc.	Water Disposal	Temescal	764	Snow	Northern	Any Area	Ventura	8/1/2003	18.42	Y	N
11121634	0411121634	Temescal 9-1	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121635	0411121635	Temescal 9-2	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121649	0411121649	Temescal 9-4	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121652	0411121652	Temescal 9-3	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121653	0411121653	Temescal 9-5	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11121662	0411121662	Temescal 9-6	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121820	0411121820	Temescal 9-7	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11121909	0411121909	Temescal 9-8	A2490	Ample Resources, Inc.	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	3/1/2021	0.84	N	N
11101334	0411101334	Diedrich 6	A3227	Anterra Energy Services, Inc.	Oil & Gas	Oxnard	530	Diedrich	Northern	Any Area	Ventura	12/1/2021	0.08	N	N

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Preliminary 2022 Idle Well Management Plan (IWMP Inventory). Includes only wells that were idle on January 1, 2022.

API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11100696	0411100696	Well No. 17-B	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Well No.	Northern	Any Area	Ventura	8/12/2006	15.39	Y	N
11100705	0411100705	Hopper 4	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Any Area	Ventura	11/28/2004	17.09	Y	N
11100713	0411100713	Cates 4	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Cates	Northern	Main	Ventura	7/21/2002	19.45	Y	N
11100714	0411100714	Cates 5	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Cates	Northern	Main	Ventura	7/21/2002	19.45	Y	N
11101564	0411101564	Hillside 1	A3500	Argo Petroleum Corp.	Oil & Gas	Ojai	520	Hillside	Northern	Silverthread	Ventura	6/20/1964	57.53	Y	N
11101570	0411101570	Hillside 2	A3500	Argo Petroleum Corp.	Oil & Gas	Ojai	520	Hillside	Northern	Silverthread	Ventura	10/1/1963	58.25	Y	N
11106292	0411106292	Unspecified 3	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Unspecified	Northern	Main	Ventura	7/19/2002	19.46	Y	N
11106307	0411106307	Unspecified 2-F	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Unspecified	Northern	Main	Ventura	7/19/2002	19.46	Y	N
11106308	0411106308	Unspecified 1	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Unspecified	Northern	Main	Ventura	7/19/2002	19.46	Y	N
11121899	0411121899	Hopper 102	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	2/1/1903	118.92	Y	N
11121900	0411121900	Hopper 14-B	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	11/28/2004	17.09	Y	N
11121901	0411121901	Hopper 15-B	A3500	Argo Petroleum Corp.	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	11/28/2004	17.09	Y	N
11100221	0411100221	Hanna 1	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	Hanna	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11100222	0411100222	Hanna 2	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	Hanna	Northern	Any Area	Ventura	5/1/2017	4.67	N	N
11100234	0411100234	N. L. & F. 0-1	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	7/1/2017	4.50	N	N
11100235	0411100235	N. L. & F. 0-3	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	12/1/2011	10.09	Y	N
11100236	0411100236	N. L. & F. 0-4	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11100237	0411100237	N. L. & F. 0-6	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11100238	0411100238	N. L. & F. 0-8	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11100240	0411100240	N. L. & F. 0-21	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11100241	0411100241	N. L. & F. 0-31	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11100249	0411100249	N. L. & F. W-4	A4050	Patriot Resources, LLC	Water Disposal	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11100253	0411100253	N. L. & F. W-17	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11120084	0411120084	Hanna 3	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	Hanna	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11120199	0411120199	N. L. & F. G-1	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11120559	0411120559	N. L. & F. 10A	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11120578	0411120578	N. L. & F. 2	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11120600	0411120600	N. L. & F. 3	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11120672	0411120672	N. L. & F. 0-23	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11120839	0411120839	N. L. & F. 0-24	A4050	Patriot Resources, LLC	Oil & Gas	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11101243	0411101243	Astarta 1	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	1/1/1979	43.00	Y	N
11101244	0411101244	Astarta 2	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	7/20/2002	19.45	Y	N
11101245	0411101245	Astarta 3	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	3/1/1995	26.84	Y	N
11101246	0411101246	Astarta 4	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	6/30/2002	19.51	Y	N
11101247	0411101247	Astarta 5	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	9/1/2014	7.34	N	N
11101249	0411101249	Astarta 8	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	9/1/2013	8.34	Y	N
11101250	0411101250	Astarta 12	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	9/1/2013	8.34	Y	N
11101389	0411101389	Pyramid 1	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Pyramid	Northern	Silverthread	Ventura	7/1/2018	3.50	N	N
11101390	0411101390	Pyramid 2	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Pyramid	Northern	Silverthread	Ventura	4/1/2018	3.75	N	N
11101391	0411101391	Pyramid 3	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Pyramid	Northern	Silverthread	Ventura	7/1/2018	3.50	N	N
11101392	0411101392	Pyramid 4	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Pyramid	Northern	Silverthread	Ventura	4/1/2018	3.75	N	N
11106210	0411106210	Astarta 7	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	7/1/2016	5.50	N	N
11106211	0411106211	Astarta 9	A4100	Astarta Alexander Oil Co. LLC	Water Disposal	Ojai	520	Astarta	Northern	Silverthread	Ventura	7/1/2018	3.50	N	N
11106212	0411106212	Astarta 10	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Astarta	Northern	Silverthread	Ventura	9/1/2013	8.34	Y	N
11106213	0411106213	Astarta 11	A4100	Astarta Alexander Oil Co. LLC	Water Disposal	Ojai	520	Astarta	Northern	Silverthread	Ventura	7/1/2018	3.50	N	N
11106214	0411106214	Astarta 13	A4100	Astarta Alexander Oil Co. LLC	Water Disposal	Ojai	520	Astarta	Northern	Silverthread	Ventura	7/1/2018	3.50	N	N
11120473	0411120473	Alexander 1	A4100	Astarta Alexander Oil Co. LLC	Oil & Gas	Ojai	520	Alexander	Northern	Silverthread	Ventura	7/1/2018	3.50	N	N
11100933	0411100933	Vogel 7	A4500	Arco Oil and Gas Co.	Dry Hole	Ojai	520	Vogel	Northern	Vogel	Ventura	6/20/2002	19.54	Y	N
11100938	0411100938	Ojai 21	A4500	Arco Oil and Gas Co.	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	11/1/1978	43.17	Y	N
11100939	0411100939	Ojai 22	A4500	Arco Oil and Gas Co.	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	11/1/1978	43.17	Y	N
11101006	0411101006	Ojai 8	A4500	Arco Oil and Gas Co.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	6/1/1992	29.58	Y	N
11100945	0411100945	Ojai 28	A4550	Arco Western Energy Co.	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	9/1/1990	31.34	Y	N
11100999	0411100999	Ojai 1	A4550	Arco Western Energy Co.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	7/19/2002	19.46	Y	N
11101005	0411101005	Ojai 7	A4550	Arco Western Energy Co.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	6/1/1992	29.58	Y	N
11101008	0411101008	Ojai 10	A4550	Arco Western Energy Co.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	1/1/1979	43.00	Y	N
11101013	0411101013	Ojai 15	A4550	Arco Western Energy Co.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	8/1/1990	31.42	Y	N
11100125	0411100125	Patterson Ranch 1	B1725	Clarence R. Barnett Inc.	Oil & Gas	Simi	710	Patterson Ranch	Northern	Old	Ventura	11/1/2015	6.17	N	N
11100126	0411100126	Patterson Ranch 2	B1725	Clarence R. Barnett Inc.	Oil & Gas	Simi	710	Patterson Ranch	Northern	Old	Ventura	11/1/2015	6.17	N	N
11101102	0411101102	2	B3527	Bentley Family Limited Partnership	Oil & Gas	Ojai	520	None	Northern	Lion Mountain	Ventura	2/1/2005	16.92	Y	N
11101103	0411101103	Hammond 3	B3527	Bentley Family Limited Partnership	Oil & Gas	Ojai	520	Hammond	Northern	Lion Mountain	Ventura	2/1/1998	23.92	Y	N
11101351	0411101351	Bailey 1	B3527	Bentley Family Limited Partnership	Oil & Gas	Ojai	520	Bailey	Northern	Lion Mountain	Ventura	6/1/2010	11.59	Y	N
11122342	0411122342	16X 2	B6127	Pacific Coast Energy Company LP	Oil & Gas	Tapo Canyon, South	746	16X	Northern	Any Area	Ventura	5/1/2017	4.67	N	N
11101450	0411101450	Ramona 14	C0075	Cbase Corporation	Oil & Gas	Ramona	586	Ramona	Northern	Any Area	Ventura	4/1/1999	22.75	Y	N
11101453	0411101453	Aguirre 202	C0075	Cbase Corporation	Water Disposal	Ramona	586	Aguirre	Northern	Any Area	Ventura	9/1/2000	21.33	Y	N
11101454	0411101454	Aguirre 203	C0075	Cbase Corporation	Oil & Gas	Ramona	586	Aguirre	Northern	Any Area	Ventura	8/1/2015	6.42	N	N
11101481	0411101481	Black 1-A	C0075	Cbase Corporation	Oil & Gas	Ramona	586	Black	Northern	Any Area	Ventura	10/1/1998	23.25	Y	N
11101490	0411101490	Black 9A	C0075	Cbase Corporation	Oil & Gas	Ramona	586	Black	Northern	Any Area	Ventura	1/1/2020	2.00	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11100159	0411100159	Mel Blanc 2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Mel Blanc	Northern	Tar Creek-Topatopa	Ventura	2/1/1988	33.92	Y	N
11100201	0411100201	Hansen 65-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	2/1/2016	5.92	N	N
11100668	0411100668	Cooke 2	C0557	Carbon California Operating Company, LLC	Water Disposal	Holser	304	Cooke	Northern	Any Area	Ventura	3/1/2015	6.84	N	N
11100676	0411100676	Holser 4	C0557	Carbon California Operating Company, LLC	Oil & Gas	Holser	304	Holser	Northern	Any Area	Ventura	12/1/2013	8.09	Y	N
11100678	0411100678	Jackson 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Holser	304	Jackson	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11101066	0411101066	Ojai 63	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Ojai	Northern	North Sulphur Mountai	Ventura	6/1/2016	5.58	N	Y
11101068	0411101068	Ojai 65	C0557	Carbon California Operating Company, LLC	Water Disposal	Ojai	520	Ojai	Northern	North Sulphur Mountai	Ventura	1/1/2020	2.00	N	N
11101574	0411101574	White Star 25	C0557	Carbon California Operating Company, LLC	Water Source	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11101859	0411101859	Strand 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Strand	Northern	Tar Creek-Topatopa	Ventura	12/1/1993	28.09	Y	N
11102456	0411102456	Seltzer 3	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Seltzer	Northern	Tar Creek-Topatopa	Ventura	1/1/2020	2.00	N	N
11102610	0411102610	Higgins 2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Higgins	Northern	Tar Creek-Topatopa	Ventura	1/1/1995	27.00	Y	N
11102615	0411102615	Twilight 2	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Twilight	Northern	Tar Creek-Topatopa	Ventura	9/1/2017	4.34	N	N
11102616	0411102616	Twilight 3	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Twilight	Northern	Tar Creek-Topatopa	Ventura	9/1/1990	31.34	Y	N
11102627	0411102627	Bonebrake A 2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Bonebrake A	Northern	Tar Creek-Topatopa	Ventura	10/1/2000	21.25	Y	N
11102628	0411102628	Bonebrake A 3	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Bonebrake A	Northern	Tar Creek-Topatopa	Ventura	9/1/1998	23.34	Y	N
11102629	0411102629	Bonebrake A 4	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Bonebrake A	Northern	Tar Creek-Topatopa	Ventura	1/1/2001	21.00	Y	N
11102637	0411102637	Well No. 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Well No.	Northern	Foot of The Hills	Ventura	7/26/2008	13.43	Y	N
11102638	0411102638	Frankel 1	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Frankel	Northern	Tar Creek-Topatopa	Ventura	9/1/2002	19.34	Y	N
11102641	0411102641	Four Forks 4	C0557	Carbon California Operating Company, LLC	Waterflood	Sespe	694	Four Forks	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11102649	0411102649	Hogshead 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hogshead	Northern	Tar Creek-Topatopa	Ventura	7/5/2002	19.49	Y	N
11102650	0411102650	Hogshead 3	C0557	Carbon California Operating Company, LLC	Water Source	Sespe	694	Hogshead	Northern	Tar Creek-Topatopa	Ventura	7/5/2002	19.49	Y	N
11102651	0411102651	Hogshead 2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hogshead	Northern	Tar Creek-Topatopa	Ventura	7/5/2002	19.49	Y	N
11102652	0411102652	Hogshead 4	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hogshead	Northern	Tar Creek-Topatopa	Ventura	7/5/2002	19.49	Y	N
11102656	0411102656	Seltzer 2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Seltzer	Northern	Tar Creek-Topatopa	Ventura	11/1/1996	25.17	Y	N
11102657	0411102657	Seltzer 4	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Seltzer	Northern	Tar Creek-Topatopa	Ventura	2/1/2000	21.92	Y	N
11102700	0411102700	Tar Creek 32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	6/1/1978	43.59	Y	N
11102745	0411102745	Hi-Ko 1	C0557	Carbon California Operating Company, LLC	Water Source	Sespe	694	Hi-Ko	Northern	Tar Creek-Topatopa	Ventura	1/1/1997	25.00	Y	N
11102749	0411102749	Red Rock 82-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Red Rock	Northern	Tar Creek-Topatopa	Ventura	8/1/2012	9.42	Y	N
11102752	0411102752	Shale Ridge 88-29	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Shale Ridge	Northern	Tar Creek-Topatopa	Ventura	10/1/2018	3.25	N	N
11102755	0411102755	Topa Topa 11-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Topa Topa	Northern	Tar Creek-Topatopa	Ventura	9/1/1998	23.34	Y	N
11102756	0411102756	Topa Topa 11A-33	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Topa Topa	Northern	Tar Creek-Topatopa	Ventura	6/1/1987	34.59	Y	N
11102759	0411102759	Tar Creek 43	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	7/1/1951	70.51	Y	N
11102762	0411102762	Tar Creek 56	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	9/1/1963	58.34	Y	N
11102763	0411102763	Tar Creek 57	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	2/1/1965	56.92	Y	N
11102764	0411102764	Tar Creek 58	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	3/1/2003	18.84	Y	N
11102796	0411102796	Hansen 75-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	2/1/2008	13.92	Y	N
11102797	0411102797	Hansen-U.S.L. 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen-U.S.L.	Northern	Tar Creek-Topatopa	Ventura	4/1/1988	33.75	Y	N
11102806	0411102806	Tar Creek 21	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	1/1/1900	122.00	Y	N
11102807	0411102807	Tar Creek 22	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	1/1/1900	122.00	Y	N
11102808	0411102808	Tar Creek 23	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	1/1/1900	122.00	Y	N
11102811	0411102811	Tar Creek 25-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	4/1/2006	15.75	Y	N
11102813	0411102813	Tar Creek 26-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	5/1/2005	16.67	Y	N
11102816	0411102816	Tar Creek 29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	1/1/1900	122.00	Y	N
11102818	0411102818	Tar Creek 31	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	1/1/1900	122.00	Y	N
11102819	0411102819	Tar Creek 33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	6/30/2002	19.51	Y	N
11102825	0411102825	Tar Creek 46-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	11/1/1996	25.17	Y	N
11102831	0411102831	Tar Creek 51V-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	11/1/2005	16.17	Y	N
11102837	0411102837	White Star 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	6/24/2002	19.52	Y	N
11102838	0411102838	White Star 3	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1957	65.00	Y	N
11102839	0411102839	White Star 4	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1957	65.00	Y	N
11102842	0411102842	White Star 7	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1957	65.00	Y	N
11102843	0411102843	White Star 8	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1957	65.00	Y	N
11102844	0411102844	White Star 9	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11102845	0411102845	White Star 10	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1980	42.00	Y	N
11102850	0411102850	White Star 14	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	2/1/1916	105.92	Y	N
11102852	0411102852	White Star 15-33	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1981	41.00	Y	N
11102853	0411102853	White Star 15-S-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11102854	0411102854	White Star 16	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	2/1/1985	36.92	Y	N
11102855	0411102855	White Star 17	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	11/1/1998	23.17	Y	N
11102859	0411102859	White Star 23-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	7/1/2000	21.50	Y	N
11102865	0411102865	Hansen 75-S-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	2/1/1995	26.92	Y	N
11104099	0411104099	E. P. Clark 15	C0557	Carbon California Operating Company, LLC	Water Disposal	Timber Canyon	774	E. P. Clark	Northern	Main	Ventura	6/1/2000	21.58	Y	N
11104102	0411104102	E. P. Clark 18	C0557	Carbon California Operating Company, LLC	Water Disposal	Timber Canyon	774	E. P. Clark	Northern	Main	Ventura	3/1/1982	39.84	Y	N
11106195	0411106195	Frankel 3	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Frankel	Northern	Tar Creek-Topatopa	Ventura	3/1/2005	16.84	Y	N
11120023	0411120023	Rossi 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Rossi	Northern	Tar Creek-Topatopa	Ventura	2/1/1994	27.92	Y	N
11120024	0411120024	Orcutt 83B-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Orcutt	Northern	Tar Creek-Topatopa	Ventura	11/1/1996	25.17	Y	N
11120033	0411120033	Cal Pac 86-30	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Cal Pac	Northern	Tar Creek-Topatopa	Ventura	4/1/2000	21.75	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11120041	0411120041	Arundell 72A-5	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Arundell	Northern	Tar Creek-Topatopa	Ventura	3/1/2016	5.84	N	N
11120045	0411120045	Orcutt 83D-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Orcutt	Northern	Tar Creek-Topatopa	Ventura	9/1/2017	4.34	N	N
11120047	0411120047	Cal Pac 88-31	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Cal Pac	Northern	Tar Creek-Topatopa	Ventura	3/1/2018	3.84	N	N
11120062	0411120062	Frankel B 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	12/1/1996	25.08	Y	N
11120065	0411120065	Tar Creek 76-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	5/1/2005	16.67	Y	N
11120069	0411120069	Arundell 72B-5	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Arundell	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11120073	0411120073	Hansen 56-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	5/1/1993	28.67	Y	N
11120088	0411120088	Hansen 57-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	7/1/2010	11.51	Y	N
11120137	0411120137	Hansen 66-32	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	1/1/1981	41.00	Y	N
11120138	0411120138	White Star 46-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	6/1/2000	21.58	Y	N
11120152	0411120152	White Star 35-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	10/1/2020	1.25	N	N
11120164	0411120164	Hansen 77-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Hansen	Northern	Tar Creek-Topatopa	Ventura	11/1/1993	28.17	Y	N
11120169	0411120169	White Star 36-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	11/1/2007	14.17	Y	N
11120170	0411120170	White Star 85-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	1/1/1981	41.00	Y	N
11120173	0411120173	Bonebrake B 82-6	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Bonebrake B	Northern	Tar Creek-Topatopa	Ventura	4/1/2007	14.75	Y	N
11120176	0411120176	Basenberg 3	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Basenberg	Northern	Tar Creek-Topatopa	Ventura	2/1/2005	16.92	Y	N
11120187	0411120187	Basenberg 4	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Basenberg	Northern	Tar Creek-Topatopa	Ventura	12/1/1994	27.09	Y	N
11120204	0411120204	Mel Blanc 5	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Mel Blanc	Northern	Tar Creek-Topatopa	Ventura	4/1/1992	29.75	Y	N
11120212	0411120212	White Star 18-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	White Star	Northern	Tar Creek-Topatopa	Ventura	12/1/1994	27.09	Y	N
11120222	0411120222	Bonebrake B 61-6	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Bonebrake B	Northern	Tar Creek-Topatopa	Ventura	1/1/2006	16.00	Y	N
11120277	0411120277	Mel Blanc 8	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Mel Blanc	Northern	Tar Creek-Topatopa	Ventura	12/1/1997	24.09	Y	N
11120319	0411120319	Shale Ridge 81-32	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Shale Ridge	Northern	Tar Creek-Topatopa	Ventura	6/1/2018	3.59	N	N
11120322	0411120322	Orcutt 83I-33	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Orcutt	Northern	Tar Creek-Topatopa	Ventura	2/1/2017	4.92	N	N
11120433	0411120433	Harth 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Harth	Northern	Silverthread	Ventura	8/1/2009	12.42	Y	N
11120439	0411120439	Hamp 99	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Hamp	Northern	Silverthread	Ventura	5/1/2010	11.67	Y	N
11120525	0411120525	Shale Ridge 78-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Shale Ridge	Northern	Tar Creek-Topatopa	Ventura	2/1/1991	30.92	Y	N
11120561	0411120561	Hamp 59	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Hamp	Northern	Silverthread	Ventura	2/1/1986	35.92	Y	N
11120582	0411120582	Federal 27-1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Federal	Northern	Tar Creek-Topatopa	Ventura	9/1/2002	19.34	Y	N
11120589	0411120589	Shale Ridge 85-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Shale Ridge	Northern	Tar Creek-Topatopa	Ventura	1/1/2010	12.00	Y	N
11120611	0411120611	Red Rock 56-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Red Rock	Northern	Tar Creek-Topatopa	Ventura	12/1/1992	29.08	Y	N
11120644	0411120644	Rossi 8	C0557	Carbon California Operating Company, LLC	Water Source	Sespe	694	Rossi	Northern	Tar Creek-Topatopa	Ventura	8/1/2019	2.42	N	N
11120677	0411120677	Frankel B 12	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	1/1/1979	43.00	Y	N
11120693	0411120693	Federal 27-2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Federal	Northern	Tar Creek-Topatopa	Ventura	8/1/1979	42.42	Y	N
11120696	0411120696	Agnew 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Agnew	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11120704	0411120704	Rossi 10	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Rossi	Northern	Tar Creek-Topatopa	Ventura	12/1/1998	23.09	Y	N
11120715	0411120715	T.G. - R.R. 1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	T.G. - R.R.	Northern	Tar Creek-Topatopa	Ventura	12/1/1996	25.08	Y	N
11120777	0411120777	Thornbury-Geis 72-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Thornbury-Geis	Northern	Tar Creek-Topatopa	Ventura	3/1/2011	10.84	Y	N
11120802	0411120802	Agnew 2	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Agnew	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11120817	0411120817	Ojai 501	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	3/1/1996	25.84	Y	N
11120835	0411120835	Thornbury-Geis 62-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Thornbury-Geis	Northern	Tar Creek-Topatopa	Ventura	7/1/2010	11.51	Y	N
11120841	0411120841	Rossi 11	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Rossi	Northern	Tar Creek-Topatopa	Ventura	11/1/1999	22.17	Y	N
11120844	0411120844	Tar Creek 59V-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	4/1/2016	5.75	N	N
11120881	0411120881	Thornbury-Geis 52-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Thornbury-Geis	Northern	Tar Creek-Topatopa	Ventura	6/1/2017	4.59	N	N
11120882	0411120882	T.G. - R.R. 63-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	T.G. - R.R.	Northern	Tar Creek-Topatopa	Ventura	11/1/2011	10.17	Y	N
11120906	0411120906	Ojai 113	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Ojai	Northern	North Sulphur Mountai	Ventura	10/1/2013	8.25	Y	N
11120919	0411120919	Ojai 111	C0557	Carbon California Operating Company, LLC	Water Disposal	Ojai	520	Ojai	Northern	North Sulphur Mountai	Ventura	7/1/2019	2.51	N	N
11120949	0411120949	Frankel B 21	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	2/1/2010	11.92	Y	N
11120954	0411120954	Frankel B 24	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	4/1/2016	5.75	N	N
11120955	0411120955	Frankel B 25	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	8/1/1998	23.42	Y	N
11120965	0411120965	Cal Pac 78-31	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Cal Pac	Northern	Tar Creek-Topatopa	Ventura	7/1/2002	19.51	Y	N
11120977	0411120977	SR-TC 84-29	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	SR-TC	Northern	Tar Creek-Topatopa	Ventura	3/1/2012	9.84	Y	N
11121053	0411121053	Holser 16-14S	C0557	Carbon California Operating Company, LLC	Oil & Gas	Holser	304	Holser	Northern	Any Area	Ventura	10/1/2016	5.25	N	N
11121095	0411121095	Tar Creek 42-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	11/1/2016	5.17	N	N
11121114	0411121114	Arco 19	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Arco	Northern	Silverthread	Ventura	1/1/1997	25.00	Y	N
11121115	0411121115	Tar Creek 52-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	7/1/2016	5.50	N	N
11121133	0411121133	Red Rock 16-32	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Red Rock	Northern	Tar Creek-Topatopa	Ventura	12/1/2016	5.08	N	N
11121179	0411121179	Cal Pac 65-31	C0557	Carbon California Operating Company, LLC	Water Disposal	Sespe	694	Cal Pac	Northern	Tar Creek-Topatopa	Ventura	7/1/1991	30.51	Y	N
11121193	0411121193	Agnew 3	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Agnew	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11121199	0411121199	Tar Creek 51B-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	8/1/2017	4.42	N	N
11121241	0411121241	Mel Blanc 24	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Mel Blanc	Northern	Tar Creek-Topatopa	Ventura	4/1/1996	25.75	Y	N
11121254	0411121254	Tar Creek 48B-21	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	8/1/2016	5.42	N	N
11121266	0411121266	Chodar 74-1	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Chodar	Northern	Foot of The Hills	Ventura	1/1/2011	11.00	Y	N
11121275	0411121275	Hamp 69	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Hamp	Northern	Silverthread	Ventura	11/1/2020	1.17	N	N
11121280	0411121280	Frankel B 35	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	10/1/1995	26.25	Y	N
11121283	0411121283	Tar Creek 61-28	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	10/1/2010	11.25	Y	N
11121286	0411121286	Frankel B 30	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	1/1/1996	26.00	Y	N
11121345	0411121345	Ojai 127	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	5/1/2008	13.67	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11121441	0411121441	Frankel B 39	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	9/1/2020	1.33	N	N
11121443	0411121443	Frankel B 46	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	12/1/2015	6.09	N	N
11121459	0411121459	Hamp 70	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Hamp	Northern	Silverthread	Ventura	9/1/2008	13.33	Y	N
11121461	0411121461	Hamp 71	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Hamp	Northern	Silverthread	Ventura	5/1/2011	10.67	Y	N
11121467	0411121467	Rossi 13	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Rossi	Northern	Tar Creek-Topatopa	Ventura	9/1/1999	22.34	Y	N
11121495	0411121495	Frankel B 37	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	3/1/2013	8.84	Y	N
11121496	0411121496	Frankel B 45	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Frankel B	Northern	Tar Creek-Topatopa	Ventura	7/1/2016	5.50	N	N
11121555	0411121555	Nesbitt 4	C0557	Carbon California Operating Company, LLC	Oil & Gas	Ojai	520	Nesbitt	Northern	Silverthread	Ventura	9/1/2015	6.34	N	N
11121589	0411121589	Ireland 197-20	C0557	Carbon California Operating Company, LLC	Oil & Gas	Sespe	694	Ireland	Northern	Tar Creek-Topatopa	Ventura	2/1/2010	11.92	Y	N
11100059	0411100059	B-27-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11100065	0411100065	14	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1997	24.59	Y	N
11100066	0411100066	57	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1996	25.42	Y	N
11100127	0411100127	B-100-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1999	22.67	Y	N
11100142	0411100142	562	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1986	36.00	Y	N
11100143	0411100143	601	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100148	0411100148	A-39	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1985	36.25	Y	N
11100149	0411100149	8-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	12/1/2004	17.08	Y	N
11100151	0411100151	18-10	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	12/1/1991	30.09	Y	N
11100152	0411100152	23-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1983	39.00	Y	N
11100153	0411100153	24-10	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	6/1/2005	16.59	Y	N
11100154	0411100154	35-10	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1990	32.00	Y	N
11100155	0411100155	68	C0885	California Resources Production Corporation	Waterflood	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100156	0411100156	94-RD	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11100161	0411100161	306	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/2004	17.58	Y	N
11100162	0411100162	602	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1988	33.33	Y	N
11100196	0411100196	15	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1997	24.67	Y	N
11100197	0411100197	26	C0885	California Resources Production Corporation	Dry Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	12/1/2001	20.09	Y	N
11100215	0411100215	703	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1988	33.33	Y	N
11100258	0411100258	B-16	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1996	25.92	Y	N
11100259	0411100259	A-28	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1989	32.34	Y	N
11100260	0411100260	30-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/1990	31.09	Y	N
11100276	0411100276	314	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/1996	25.17	Y	N
11100290	0411100290	3-3	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100291	0411100291	13-10	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100292	0411100292	42-9	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	7/1/1985	36.51	Y	N
11100294	0411100294	4-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	8/1/1981	40.42	Y	N
11100295	0411100295	32-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	11/1/1982	39.17	Y	N
11100301	0411100301	T-224	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Any Area	Ventura	10/1/2016	5.25	N	N
11100343	0411100343	1	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11100349	0411100349	1	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	8/1/2016	5.42	N	N
11100362	0411100362	1	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/2013	9.00	Y	N
11100364	0411100364	3	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11100369	0411100369	8	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	9/1/2021	0.33	N	N
11100370	0411100370	9	C0885	California Resources Production Corporation	Water Disposal	Bardsdale	036	None	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11100371	0411100371	10	C0885	California Resources Production Corporation	Water Disposal	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2017	4.25	N	N
11100396	0411100396	3	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	12/1/2012	9.08	Y	N
11100399	0411100399	6	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11100400	0411100400	7	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	5/1/2020	1.67	N	N
11100401	0411100401	8	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11100402	0411100402	9	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11100407	0411100407	14	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	8/1/2003	18.42	Y	N
11100408	0411100408	15	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100420	0411100420	10	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	3/1/2012	9.84	Y	N
11100421	0411100421	11	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	6/1/2000	21.58	Y	N
11100422	0411100422	12	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	12/1/2011	10.09	Y	N
11100423	0411100423	13	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11100424	0411100424	14	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	6/1/2008	13.58	Y	N
11100425	0411100425	15	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11100426	0411100426	16	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2020	1.25	N	N
11100427	0411100427	17	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2011	10.25	Y	N
11100428	0411100428	18	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	8/1/2008	13.42	Y	N
11100429	0411100429	19	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	8/1/2011	10.42	Y	N
11100430	0411100430	20	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	3/1/2013	8.84	Y	N
11100433	0411100433	23	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2011	10.25	Y	N
11100435	0411100435	1	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/2009	13.00	Y	N
11100438	0411100438	6	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11100447	0411100447	1	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	4/1/2011	10.75	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11100451	0411100451	20	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11100452	0411100452	22	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11100453	0411100453	23	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11100454	0411100454	25	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	4/1/2004	17.75	Y	N
11100486	0411100486	21	C0885	California Resources Production Corporation	Waterflood	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100492	0411100492	2	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11100493	0411100493	3	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11100494	0411100494	4	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	12/1/1998	23.09	Y	N
11100495	0411100495	5	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	6/1/1984	37.58	Y	N
11100499	0411100499	2	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	10/1/2008	13.25	Y	N
11100506	0411100506	26	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1980	41.75	Y	N
11100533	0411100533	3	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	8/1/2011	10.42	Y	N
11100757	0411100757	22-8	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	11/1/2006	15.17	Y	N
11100758	0411100758	23	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2020	2.00	N	N
11100762	0411100762	31-14	C0885	California Resources Production Corporation	Water Disposal	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2016	6.00	N	N
11100765	0411100765	41-22	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	11/1/2012	9.17	Y	N
11100766	0411100766	42-6	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	4/1/2015	6.75	N	N
11100768	0411100768	62-4	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	3/1/1981	40.84	Y	N
11100769	0411100769	63-21	C0885	California Resources Production Corporation	Water Disposal	Montalvo, West	476	None	Northern	Onshore	Ventura	6/1/2010	11.59	Y	N
11100770	0411100770	72-15	C0885	California Resources Production Corporation	Water Disposal	Montalvo, West	476	None	Northern	Onshore	Ventura	11/1/2016	5.17	N	N
11100771	0411100771	73-17	C0885	California Resources Production Corporation	Dry Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	12/1/1994	27.09	Y	N
11100772	0411100772	74-19A	C0885	California Resources Production Corporation	Water Disposal	Montalvo, West	476	None	Northern	Onshore	Ventura	3/1/2015	6.84	N	N
11100774	0411100774	85-20	C0885	California Resources Production Corporation	Dry Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	2/1/1993	28.92	Y	N
11100776	0411100776	102-7	C0885	California Resources Production Corporation	Water Disposal	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11100781	0411100781	811	C0885	California Resources Production Corporation	Waterflood	Montalvo, West	476	None	Northern	Onshore	Ventura	3/1/2016	5.84	N	N
11100785	0411100785	1114	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	3/1/1992	29.84	Y	N
11100787	0411100787	1210	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2020	2.00	N	N
11100789	0411100789	1214A	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	6/1/1988	33.58	Y	N
11100796	0411100796	615	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	10/1/2021	0.25	N	N
11100797	0411100797	616	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	5/1/1976	45.67	Y	N
11100800	0411100800	714	C0885	California Resources Production Corporation	Waterflood	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11100804	0411100804	814	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	7/1/1982	39.51	Y	N
11100805	0411100805	815	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2020	2.00	N	N
11100807	0411100807	911	C0885	California Resources Production Corporation	Waterflood	Montalvo, West	476	None	Northern	Onshore	Ventura	6/1/2016	5.58	N	N
11100809	0411100809	913	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	7/1/2015	6.51	N	N
11100812	0411100812	916	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	7/1/2012	9.50	Y	N
11100813	0411100813	917	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2020	2.00	N	N
11100815	0411100815	1011A	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	7/1/2013	8.50	Y	N
11100816	0411100816	1012	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11100817	0411100817	1013	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	8/1/2018	3.42	N	N
11100818	0411100818	1015B	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2020	2.00	N	N
11100822	0411100822	2	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	10/1/2020	1.25	N	N
11100823	0411100823	1017A	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	1/1/2020	2.00	N	N
11100827	0411100827	1118	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	5/1/2010	11.67	Y	N
11100832	0411100832	2A	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	3/1/2012	9.84	Y	N
11100838	0411100838	C-1	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100839	0411100839	C-2	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100840	0411100840	C-3	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100843	0411100843	D-2B	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100845	0411100845	D-4	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100846	0411100846	E-1	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100847	0411100847	E-3	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11100848	0411100848	F-2	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	6/1/2019	2.59	N	N
11100866	0411100866	1-3	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	5/1/1991	30.67	Y	N
11100868	0411100868	5-10	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11100870	0411100870	7-10	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	8/1/2016	5.42	N	N
11100871	0411100871	9-10	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100873	0411100873	11-3	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	2/1/2006	15.92	Y	N
11100874	0411100874	12-3	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11100876	0411100876	15-3	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	7/1/1979	42.51	Y	N
11100880	0411100880	20-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	9/1/1994	27.34	Y	N
11100882	0411100882	25-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	4/1/2014	7.75	N	N
11100883	0411100883	26-4	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100885	0411100885	28-9	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11100886	0411100886	22-10	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	3/1/2003	18.84	Y	N
11100887	0411100887	29-10	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	2/1/1982	39.92	Y	N
11100888	0411100888	30-9	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11100889	0411100889	31-10	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100890	0411100890	33-3	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11100892	0411100892	36-9	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	9/1/1980	41.33	Y	N
11100894	0411100894	45-4	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	2/1/1985	36.92	Y	N
11100895	0411100895	46-2	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11100896	0411100896	49-9	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	9/1/1979	42.34	Y	N
11100901	0411100901	43-4	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100902	0411100902	44-4	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100903	0411100903	48-4	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	8/1/1987	34.42	Y	N
11100912	0411100912	3-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/2014	7.51	N	N
11101029	0411101029	Chase 1	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/2007	14.09	Y	N
11101030	0411101030	Chase 2	C0885	California Resources Production Corporation	Water Disposal	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11101031	0411101031	Chase 3	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/1999	22.09	Y	N
11101034	0411101034	El Rio 1	C0885	California Resources Production Corporation	Water Disposal	Oxnard	530	El Rio	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11101078	0411101078	3	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	7/1/2005	16.51	Y	N
11101080	0411101080	7	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	1/1/2006	16.00	Y	N
11101138	0411101138	El Rio 2	C0885	California Resources Production Corporation	Water Disposal	Oxnard	530	El Rio	Northern	Any Area	Ventura	10/1/1989	32.25	Y	N
11101139	0411101139	El Rio 4	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	El Rio	Northern	Any Area	Ventura	4/1/1993	28.75	Y	N
11101140	0411101140	El Rio 3	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	El Rio	Northern	Any Area	Ventura	4/1/1989	32.75	Y	N
11101142	0411101142	El Rio 5	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	El Rio	Northern	Any Area	Ventura	9/1/2007	14.34	Y	N
11101202	0411101202	Well No. 5	C0885	California Resources Production Corporation	Oil & Gas	Ojai	520	Well No.	Northern	Tip Top (ABD)	Ventura	7/11/2010	11.48	Y	N
11101339	0411101339	1	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	3/1/2014	7.84	N	N
11101575	0411101575	113	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	2/1/2010	11.92	Y	N
11101576	0411101576	2-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1988	33.84	Y	N
11101577	0411101577	3-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2019	2.42	N	N
11101665	0411101665	A-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101667	0411101667	A-4	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1986	35.42	Y	N
11101668	0411101668	A-5	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101669	0411101669	A-6	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/2021	0.25	N	N
11101670	0411101670	A-6-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1979	42.34	Y	N
11101672	0411101672	A-8	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1990	31.92	Y	N
11101673	0411101673	A-9	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101674	0411101674	A-10-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	6/1/1989	32.59	Y	N
11101675	0411101675	A-10-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1983	38.92	Y	N
11101676	0411101676	A-11	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2000	21.42	Y	N
11101677	0411101677	A-12	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/2018	3.50	N	N
11101678	0411101678	A-13-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	2/1/1994	27.92	Y	N
11101679	0411101679	A-14-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	5/1/2020	1.67	N	N
11101681	0411101681	A-16	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/2016	5.75	N	N
11101683	0411101683	A-19	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101684	0411101684	A-20	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101685	0411101685	A-21-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	12/1/2015	6.09	N	N
11101686	0411101686	A-22-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	5/1/2019	2.67	N	N
11101688	0411101688	A-24	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	6/1/2000	21.58	Y	N
11101690	0411101690	A-26-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	2/1/2018	3.92	N	N
11101691	0411101691	A-27	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/1990	31.09	Y	N
11101692	0411101692	A-29W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	8/1/2017	4.42	N	N
11101694	0411101694	A-31	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1985	36.59	Y	N
11101696	0411101696	A-36	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/2001	20.92	Y	N
11101697	0411101697	A-37-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	1/1/1998	24.00	Y	N
11101698	0411101698	A-38	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1992	29.75	Y	N
11101699	0411101699	1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101700	0411101700	B1-1-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	8/1/1997	24.42	Y	N
11101701	0411101701	B-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1993	28.84	Y	N
11101702	0411101702	B-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1996	25.58	Y	N
11101703	0411101703	B-4	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101704	0411101704	B-5	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101705	0411101705	B-6	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101706	0411101706	B-8-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1995	26.42	Y	N
11101707	0411101707	B-9-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1994	27.84	Y	N
11101708	0411101708	9-2W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	5/1/1981	40.67	Y	N
11101709	0411101709	B-10A	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101710	0411101710	B-11	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101711	0411101711	B-12	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1982	39.75	Y	N
11101712	0411101712	45-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	9/1/1992	29.33	Y	N
11101713	0411101713	46-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1987	34.25	Y	N
11101714	0411101714	47	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1994	27.92	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11101715	0411101715	47-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/1995	26.09	Y	N
11101719	0411101719	50	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/2007	15.00	Y	N
11101720	0411101720	B-38	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1991	30.17	Y	N
11101721	0411101721	B-38-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1997	24.42	Y	N
11101723	0411101723	39-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2010	11.67	Y	N
11101724	0411101724	40-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	8/1/2010	11.42	Y	N
11101725	0411101725	41	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1988	33.67	Y	N
11101726	0411101726	B-42	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101727	0411101727	B-42-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1982	39.42	Y	N
11101728	0411101728	43-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	7/1/1996	25.50	Y	N
11101729	0411101729	44-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	3/1/1997	24.84	Y	N
11101730	0411101730	B-13	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1990	31.92	Y	N
11101731	0411101731	15-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1981	40.17	Y	N
11101732	0411101732	B-17W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	5/1/2009	12.67	Y	N
11101733	0411101733	B-17-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1993	28.84	Y	N
11101734	0411101734	B-18	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1982	39.51	Y	N
11101735	0411101735	B-18-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1998	23.84	Y	N
11101736	0411101736	18-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1993	28.42	Y	N
11101737	0411101737	B-14	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1984	37.33	Y	N
11101738	0411101738	19-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1997	24.17	Y	N
11101739	0411101739	B-20	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101740	0411101740	19	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101741	0411101741	B-21	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101742	0411101742	B-23	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101743	0411101743	24	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1981	40.59	Y	N
11101744	0411101744	24-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1993	28.84	Y	N
11101745	0411101745	24-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1985	36.67	Y	N
11101746	0411101746	24-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1993	28.92	Y	N
11101747	0411101747	25	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101748	0411101748	25-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101749	0411101749	B-25-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101750	0411101750	25-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1996	25.92	Y	N
11101751	0411101751	26-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1996	25.84	Y	N
11101752	0411101752	B-27-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101753	0411101753	B-27-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1990	31.17	Y	N
11101754	0411101754	B-28-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1996	25.75	Y	N
11101755	0411101755	28-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1980	41.50	Y	N
11101756	0411101756	29	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1980	41.92	Y	N
11101757	0411101757	B-29-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2013	8.67	Y	N
11101758	0411101758	B-29-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1987	35.00	Y	N
11101759	0411101759	B-29-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/2011	10.59	Y	N
11101760	0411101760	29-4	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1984	37.17	Y	N
11101761	0411101761	30	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1997	24.25	Y	N
11101762	0411101762	B-30-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1996	26.00	Y	N
11101763	0411101763	30-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1996	25.75	Y	N
11101764	0411101764	30-4	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101765	0411101765	B-31	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101766	0411101766	B-32	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101767	0411101767	B-33	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101768	0411101768	34-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	11/1/1984	37.17	Y	N
11101769	0411101769	34-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1980	41.75	Y	N
11101770	0411101770	35-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101771	0411101771	35-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101772	0411101772	35-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1990	31.42	Y	N
11101773	0411101773	B-35-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/2002	19.75	Y	N
11101774	0411101774	36	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2000	21.42	Y	N
11101778	0411101778	51	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1998	23.17	Y	N
11101780	0411101780	51-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/2012	9.17	Y	N
11101781	0411101781	B-52	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101783	0411101783	53	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1991	30.84	Y	N
11101784	0411101784	54W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	10/1/1997	24.25	Y	N
11101785	0411101785	B-55	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/1981	40.09	Y	N
11101786	0411101786	B-56	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1987	34.34	Y	N
11101787	0411101787	B-57	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101788	0411101788	B-58	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1996	25.50	Y	N
11101789	0411101789	B-59	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1987	34.84	Y	N
11101790	0411101790	60	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/1994	27.09	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11101791	0411101791	61W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	5/1/1998	23.67	Y	N
11101792	0411101792	61-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/2008	13.75	Y	N
11101793	0411101793	B-63	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1996	25.75	Y	N
11101794	0411101794	B-64	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1993	28.17	Y	N
11101795	0411101795	70	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1990	31.75	Y	N
11101796	0411101796	B-71	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1984	37.92	Y	N
11101797	0411101797	72	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/2001	20.51	Y	N
11101798	0411101798	73-A	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2000	21.67	Y	N
11101799	0411101799	74	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1992	29.58	Y	N
11101800	0411101800	75	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/2002	19.51	Y	N
11101801	0411101801	76	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/2001	20.34	Y	N
11101804	0411101804	90	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1988	33.75	Y	N
11101806	0411101806	101	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/2012	9.17	Y	N
11101807	0411101807	102W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	4/1/2007	14.75	Y	N
11101808	0411101808	110W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	9/1/1995	26.34	Y	N
11101811	0411101811	B-130	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/2018	3.50	N	N
11101812	0411101812	B-131-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101813	0411101813	B-140-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101815	0411101815	150-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/2009	12.17	Y	N
11101816	0411101816	B-160	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1995	26.25	Y	N
11101818	0411101818	B-161-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101819	0411101819	B-162	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2000	21.42	Y	N
11101820	0411101820	B-163	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1992	29.67	Y	N
11101822	0411101822	B-167	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1992	29.75	Y	N
11101823	0411101823	B-167-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1992	29.67	Y	N
11101824	0411101824	B-167-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101826	0411101826	C-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101827	0411101827	C-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/2004	18.00	Y	N
11101828	0411101828	C-4	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101829	0411101829	C-5	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2004	17.67	Y	N
11101830	0411101830	C-6	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101832	0411101832	C-8	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101833	0411101833	C-9	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1995	26.67	Y	N
11101835	0411101835	C-11	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1999	22.67	Y	N
11101838	0411101838	C-14	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/1988	33.67	Y	N
11101839	0411101839	C-15	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1995	26.75	Y	N
11101840	0411101840	C-16	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101841	0411101841	C-17	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101842	0411101842	C-18	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1996	25.92	Y	N
11101843	0411101843	C-19	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101844	0411101844	C-20	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1989	32.51	Y	N
11101845	0411101845	C-21	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1981	40.59	Y	N
11101847	0411101847	2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1987	34.51	Y	N
11101848	0411101848	2-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1987	34.51	Y	N
11101849	0411101849	2-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/1996	25.08	Y	N
11101850	0411101850	3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/2011	10.09	Y	N
11101852	0411101852	7	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11101853	0411101853	7-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1992	29.75	Y	N
11101854	0411101854	7-3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1990	32.00	Y	N
11101855	0411101855	8	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101856	0411101856	9	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2008	13.42	Y	N
11101857	0411101857	9-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1994	27.92	Y	N
11101858	0411101858	9-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101862	0411101862	Grubb 402	C0885	California Resources Production Corporation	Waterflood	Rincon	600	Grubb	Northern	Onshore	Ventura	1/1/2016	6.00	N	N
11101863	0411101863	Grubb 403	C0885	California Resources Production Corporation	Waterflood	Rincon	600	Grubb	Northern	Onshore	Ventura	2/1/2020	1.92	N	N
11101864	0411101864	Grubb 404	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101866	0411101866	Grubb 406	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	8/1/2016	5.42	N	N
11101871	0411101871	Grubb 412	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101872	0411101872	Grubb 413	C0885	California Resources Production Corporation	Waterflood	Rincon	600	Grubb	Northern	Onshore	Ventura	2/1/2020	1.92	N	N
11101949	0411101949	2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1993	28.25	Y	N
11101950	0411101950	3	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1997	24.51	Y	N
11101953	0411101953	6W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	10/1/1998	23.25	Y	N
11101955	0411101955	8	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1996	25.33	Y	N
11101956	0411101956	9	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1990	31.51	Y	N
11101958	0411101958	11	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1996	25.58	Y	N
11101959	0411101959	12	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1995	26.17	Y	N
11101960	0411101960	13	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1997	24.75	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11101961	0411101961	15	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/1993	28.92	Y	N
11101962	0411101962	16	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/1997	24.75	Y	N
11101967	0411101967	21	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1996	25.33	Y	N
11101968	0411101968	22	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1997	24.51	Y	N
11101969	0411101969	23	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	6/1/1993	28.59	Y	N
11101970	0411101970	24	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1996	25.42	Y	N
11101971	0411101971	25	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1993	28.17	Y	N
11101972	0411101972	26	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1996	25.42	Y	N
11101974	0411101974	28	C0885	California Resources Production Corporation	Water Disposal	Rincon	600	None	Northern	Onshore	Ventura	9/1/1998	23.34	Y	N
11101975	0411101975	29	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	2/1/2001	20.92	Y	N
11101976	0411101976	30	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1992	29.17	Y	N
11101977	0411101977	50	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1996	25.42	Y	N
11101978	0411101978	51	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1996	25.42	Y	N
11101979	0411101979	52	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1989	32.25	Y	N
11101980	0411101980	53	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1983	38.51	Y	N
11101981	0411101981	54	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1989	32.34	Y	N
11101982	0411101982	55	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1987	34.84	Y	N
11101983	0411101983	56	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/1995	26.51	Y	N
11101984	0411101984	58	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1995	26.17	Y	N
11101986	0411101986	60	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/1996	25.42	Y	N
11101989	0411101989	64	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	11/1/1989	32.17	Y	N
11101991	0411101991	101	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/2014	8.00	Y	N
11101992	0411101992	102	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101993	0411101993	103	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/2011	10.09	Y	N
11101994	0411101994	104	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	12/1/2006	15.09	Y	N
11101995	0411101995	105	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1998	23.84	Y	N
11101996	0411101996	106	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11101998	0411101998	107-A	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1993	28.25	Y	N
11102043	0411102043	2	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102046	0411102046	5	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/1994	27.51	Y	N
11102048	0411102048	7	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1993	28.75	Y	N
11102049	0411102049	8	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/1988	33.67	Y	N
11102052	0411102052	11	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102055	0411102055	14	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2001	20.25	Y	N
11102059	0411102059	18	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/1988	33.42	Y	N
11102060	0411102060	19	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/2000	21.50	Y	N
11102061	0411102061	20	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1991	31.00	Y	N
11102064	0411102064	23	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1993	28.34	Y	N
11102066	0411102066	25	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102067	0411102067	26	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/1995	26.59	Y	N
11102068	0411102068	27	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11102071	0411102071	30	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11102072	0411102072	35	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/1996	25.25	Y	N
11102073	0411102073	37	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11102075	0411102075	46	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102077	0411102077	49	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/1999	22.67	Y	N
11102078	0411102078	54	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1990	31.09	Y	N
11102079	0411102079	55	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/2020	1.92	N	N
11102082	0411102082	59	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/1985	36.84	Y	N
11102084	0411102084	62	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/2008	13.58	Y	N
11102085	0411102085	63	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/1994	27.17	Y	N
11102086	0411102086	64	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/1994	27.17	Y	N
11102087	0411102087	66	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102089	0411102089	68	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102090	0411102090	69	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/1998	23.59	Y	N
11102091	0411102091	71	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N
11102095	0411102095	93	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/2020	1.75	N	N
11102097	0411102097	453	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102098	0411102098	102	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11102099	0411102099	139	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/1989	32.25	Y	N
11102102	0411102102	232	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11102103	0411102103	233	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/2014	7.17	N	N
11102104	0411102104	234	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1987	34.09	Y	N
11102107	0411102107	241	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2013	8.25	Y	N
11102109	0411102109	243	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102110	0411102110	244	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11102111	0411102111	245	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/2015	6.34	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11102112	0411102112	250	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2003	18.25	Y	N
11102114	0411102114	257	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2013	8.67	Y	N
11102115	0411102115	265	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102116	0411102116	270	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102118	0411102118	273	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/1994	27.25	Y	N
11102119	0411102119	275	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/1977	44.51	Y	N
11102120	0411102120	276	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/2006	16.00	Y	N
11102121	0411102121	277	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102123	0411102123	279	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/1995	26.25	Y	N
11102126	0411102126	284	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102129	0411102129	287	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/1990	31.17	Y	N
11102131	0411102131	289	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/1989	32.67	Y	N
11102137	0411102137	304	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/1990	31.67	Y	N
11102138	0411102138	305	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/2015	6.75	N	N
11102139	0411102139	307	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/2014	7.92	N	N
11102140	0411102140	308	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102141	0411102141	309	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N
11102142	0411102142	310	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1996	26.00	Y	N
11102144	0411102144	312	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2005	16.25	Y	N
11102149	0411102149	318	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/1995	26.51	Y	N
11102150	0411102150	319	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/2016	5.42	N	N
11102152	0411102152	322	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/2010	11.42	Y	N
11102153	0411102153	323	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/1989	32.59	Y	N
11102158	0411102158	502	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2015	6.25	N	N
11102159	0411102159	503	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11102163	0411102163	563	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2019	2.67	N	N
11102166	0411102166	603	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102167	0411102167	604	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1999	22.75	Y	N
11102168	0411102168	605	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2016	5.25	N	N
11102170	0411102170	608	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1988	33.33	Y	N
11102171	0411102171	609	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/2020	1.33	N	N
11102172	0411102172	610	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102173	0411102173	701	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11102174	0411102174	704	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11102175	0411102175	705	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/1992	29.17	Y	N
11102176	0411102176	706	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1988	33.33	Y	N
11102177	0411102177	707	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/1988	33.50	Y	N
11102179	0411102179	709	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1992	29.92	Y	N
11102283	0411102283	46-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	4/1/2013	8.75	Y	N
11102343	0411102343	Adams 5	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102344	0411102344	Adams 6	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102346	0411102346	Adams 8	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102349	0411102349	Adams 11	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102350	0411102350	Adams 12	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102351	0411102351	Adams 13	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	1/1/1992	30.00	Y	N
11102352	0411102352	Adams 14	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102353	0411102353	Adams 15	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102354	0411102354	Adams 16	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102355	0411102355	Adams 17	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102358	0411102358	Adams 20	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102360	0411102360	Adams 22	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102361	0411102361	Adams 23	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102362	0411102362	Adams 24	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102363	0411102363	Adams 25	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	1/1/1992	30.00	Y	N
11102366	0411102366	Adams 28	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102368	0411102368	Adams 30	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	9/1/1990	31.34	Y	N
11102372	0411102372	Adams 34	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102373	0411102373	Adams 35	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102396	0411102396	Lower Salt Marsh 3	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/3/2002	19.50	Y	N
11102397	0411102397	Lower Salt Marsh 4	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/3/2002	19.50	Y	N
11102398	0411102398	Lower Salt Marsh 5	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/3/2002	19.50	Y	N
11102399	0411102399	Lower Salt Marsh 7	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/3/2002	19.50	Y	N
11102400	0411102400	Lower Salt Marsh 8	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/3/2002	19.50	Y	N
11102401	0411102401	Lower Salt Marsh 9	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/3/2002	19.50	Y	N
11102402	0411102402	Lower Salt Marsh 10	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102403	0411102403	Lower Salt Marsh 11	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102404	0411102404	Lower Salt Marsh 13	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11102405	0411102405	Lower Salt Marsh 21	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Lower Salt Marsh	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102408	0411102408	Slocum 1X	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Slocum	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102422	0411102422	Slocum 16	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Slocum	Northern	Any Area	Ventura	5/1/1988	33.67	Y	N
11102424	0411102424	Slocum 18	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Slocum	Northern	Any Area	Ventura	5/1/1988	33.67	Y	N
11102434	0411102434	Slocum 29	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Slocum	Northern	Any Area	Ventura	2/1/1977	44.92	Y	N
11102436	0411102436	Union-Wheeler 4	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Union-Wheeler	Northern	Any Area	Ventura	08/01/1890	Not Available-Gr	Y	N
11102437	0411102437	Wheeler 1-24	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	2/1/1977	44.92	Y	N
11102438	0411102438	Wheeler 1	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102439	0411102439	Wheeler 2	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102440	0411102440	Wheeler 3-24	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102441	0411102441	Wheeler 3	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102442	0411102442	Wheeler 4	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	2/1/1977	44.92	Y	N
11102446	0411102446	Wheeler 8	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102448	0411102448	Wheeler 10	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102449	0411102449	Wheeler 11	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102462	0411102462	Wheeler 13	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Wheeler	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11102472	0411102472	Upper Salt Marsh 20	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Upper Salt Marsh	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102484	0411102484	101	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	1/1/1985	37.00	Y	N
11102485	0411102485	102	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102486	0411102486	103	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11102488	0411102488	105	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11102489	0411102489	106	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	1/1/2002	20.00	Y	N
11102490	0411102490	107	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	11/1/2009	12.17	Y	N
11102491	0411102491	108	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	7/1/2020	1.50	N	N
11102492	0411102492	109	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	12/1/2019	2.09	N	N
11102494	0411102494	111	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	6/1/1981	40.59	Y	N
11102495	0411102495	112	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	5/1/2017	4.67	N	N
11102497	0411102497	114	C0885	California Resources Production Corporation	Water Disposal	Santa Susana	672	None	Northern	Any Area	Ventura	12/1/1989	32.09	Y	N
11102499	0411102499	116	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	5/1/1993	28.67	Y	N
11102502	0411102502	3	C0885	California Resources Production Corporation	Waterflood	Saticoy	678	None	Northern	Main	Ventura	3/1/2005	16.84	Y	N
11102505	0411102505	7	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	2/1/2011	10.92	Y	N
11102510	0411102510	15	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	9/1/2004	17.33	Y	N
11102519	0411102519	24	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	6/1/2009	12.59	Y	N
11102521	0411102521	27	C0885	California Resources Production Corporation	Waterflood	Saticoy	678	None	Northern	Main	Ventura	1/1/1979	43.00	Y	N
11102522	0411102522	28	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	5/1/2018	3.67	N	N
11102532	0411102532	5	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	10/1/2021	0.25	N	N
11102536	0411102536	9	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	2/1/2015	6.92	N	N
11102537	0411102537	10	C0885	California Resources Production Corporation	Waterflood	Saticoy	678	None	Northern	Main	Ventura	5/1/2019	2.67	N	N
11102541	0411102541	15	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	12/1/2018	3.09	N	N
11102543	0411102543	17	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	7/1/2014	7.51	N	N
11102545	0411102545	19	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	8/1/1980	41.42	Y	N
11102551	0411102551	26	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	2/1/2009	12.92	Y	N
11102553	0411102553	28	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	11/1/2004	17.17	Y	N
11102556	0411102556	31	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	6/1/2009	12.59	Y	N
11102558	0411102558	34	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	1/1/2016	6.00	N	N
11102563	0411102563	40	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	5/1/2007	14.67	Y	N
11102567	0411102567	44	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	4/1/1994	27.75	Y	N
11102573	0411102573	50	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	11/1/2004	17.17	Y	N
11102575	0411102575	52	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	11/1/1986	35.17	Y	N
11102576	0411102576	53	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	12/1/2006	15.09	Y	N
11102580	0411102580	57	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	5/1/2018	3.67	N	N
11102581	0411102581	59	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	8/1/1986	35.42	Y	N
11102866	0411102866	6	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2001	20.42	Y	N
11102980	0411102980	74	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	2/1/2011	10.92	Y	N
11103127	0411103127	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11103131	0411103131	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11103135	0411103135	9	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11103141	0411103141	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11103196	0411103196	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2009	12.09	Y	N
11103200	0411103200	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103201	0411103201	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11103205	0411103205	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103207	0411103207	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103208	0411103208	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2011	10.59	Y	N
11103209	0411103209	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11103211	0411103211	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2018	3.09	N	N
11103212	0411103212	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1996	26.00	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11103214	0411103214	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/1997	24.34	Y	N
11103216	0411103216	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1996	26.00	Y	N
11103218	0411103218	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/1994	27.59	Y	N
11103220	0411103220	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2007	14.09	Y	N
11103221	0411103221	17	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103223	0411103223	19	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103224	0411103224	20	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/1997	24.34	Y	N
11103225	0411103225	21	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103228	0411103228	24	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2000	21.33	Y	N
11103230	0411103230	26	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/2004	17.84	Y	N
11103232	0411103232	28	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11103234	0411103234	30	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103235	0411103235	31	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/1994	27.59	Y	N
11103236	0411103236	32	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/1997	24.75	Y	N
11103239	0411103239	35	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2011	11.00	Y	N
11103240	0411103240	36	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/1987	34.09	Y	N
11103241	0411103241	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2000	21.33	Y	N
11103249	0411103249	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103250	0411103250	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103252	0411103252	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/1994	27.25	Y	N
11103253	0411103253	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11103256	0411103256	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2011	10.67	Y	N
11103257	0411103257	9	C0885	California Resources Production Corporation	Waterflood	South Mountain	714	None	Northern	Any Area	Ventura	8/1/1981	40.42	Y	N
11103258	0411103258	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103259	0411103259	11	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103260	0411103260	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103261	0411103261	13	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103262	0411103262	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2009	12.34	Y	N
11103263	0411103263	15	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/1984	37.84	Y	N
11103264	0411103264	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2017	4.17	N	N
11103265	0411103265	17	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	12/1/1981	40.09	Y	N
11103266	0411103266	18	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2002	20.00	Y	N
11103267	0411103267	19	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2000	21.58	Y	N
11103268	0411103268	20	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103269	0411103269	21	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103270	0411103270	22	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	9/1/1990	31.34	Y	N
11103272	0411103272	24	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/1994	27.34	Y	N
11103273	0411103273	25	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/1983	38.51	Y	N
11103274	0411103274	26	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/1980	41.42	Y	N
11103275	0411103275	27	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/1997	24.84	Y	N
11103276	0411103276	28	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103277	0411103277	29	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103278	0411103278	30	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	11/1/1981	40.17	Y	N
11103281	0411103281	33	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	8/1/1983	38.42	Y	N
11103282	0411103282	34	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/1984	37.75	Y	N
11103283	0411103283	35	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103286	0411103286	1	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2016	5.50	N	N
11103287	0411103287	2	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2005	16.92	Y	N
11103306	0411103306	21	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2014	7.59	N	N
11103309	0411103309	2-1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103311	0411103311	2-3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11103312	0411103312	2-4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11103313	0411103313	2-5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11103320	0411103320	2-12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103324	0411103324	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2009	12.59	Y	N
11103325	0411103325	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103326	0411103326	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11103327	0411103327	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/1983	38.67	Y	N
11103328	0411103328	6	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11103329	0411103329	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/1998	23.42	Y	N
11103330	0411103330	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/1980	41.42	Y	N
11103331	0411103331	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/1996	25.75	Y	N
11103340	0411103340	19	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103344	0411103344	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11103345	0411103345	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2008	13.08	Y	N
11103346	0411103346	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11103351	0411103351	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2015	6.34	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11103353	0411103353	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103354	0411103354	11	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11103356	0411103356	13	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1982	40.00	Y	N
11103358	0411103358	15	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2011	10.34	Y	N
11103359	0411103359	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1982	40.00	Y	N
11103363	0411103363	20	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103364	0411103364	21	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2009	12.75	Y	N
11103366	0411103366	23	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/2012	9.84	Y	N
11103369	0411103369	26	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103370	0411103370	28	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2018	3.75	N	N
11103372	0411103372	30	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2020	1.92	N	N
11103374	0411103374	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103396	0411103396	25	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103398	0411103398	27	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103403	0411103403	32	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2007	14.67	Y	N
11103404	0411103404	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/1979	42.84	Y	N
11103406	0411103406	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103407	0411103407	4	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Bridge	Ventura	7/1/2020	1.50	N	N
11103408	0411103408	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2009	12.75	Y	N
11103412	0411103412	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103413	0411103413	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2004	17.42	Y	N
11103414	0411103414	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11103416	0411103416	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11103419	0411103419	6	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103427	0411103427	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11103429	0411103429	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103434	0411103434	22	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2019	2.25	N	N
11103435	0411103435	23	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2009	12.59	Y	N
11103436	0411103436	24	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103437	0411103437	25	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11103438	0411103438	26	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11103439	0411103439	27	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2007	14.09	Y	N
11103441	0411103441	29	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103443	0411103443	31	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11103444	0411103444	32	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2014	7.92	N	N
11103445	0411103445	33	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2008	13.08	Y	N
11103446	0411103446	34	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11103447	0411103447	35	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2020	1.75	N	N
11103448	0411103448	36	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103449	0411103449	37	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103452	0411103452	40	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2009	12.09	Y	N
11103453	0411103453	41	C0885	California Resources Production Corporation	Waterflood	South Mountain	714	None	Northern	Main	Ventura	10/1/2014	7.25	N	N
11103455	0411103455	43	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103456	0411103456	44	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2010	12.00	Y	N
11103457	0411103457	45	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2001	20.25	Y	N
11103458	0411103458	46	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2012	9.75	Y	N
11103461	0411103461	49	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11103463	0411103463	51	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2014	7.92	N	N
11103464	0411103464	52	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2020	1.92	N	N
11103467	0411103467	55	C0885	California Resources Production Corporation	Waterflood	South Mountain	714	None	Northern	Main	Ventura	11/1/2015	6.17	N	N
11103470	0411103470	58	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2012	9.75	Y	N
11103471	0411103471	59	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11103472	0411103472	60	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11103473	0411103473	61	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2013	8.75	Y	N
11103474	0411103474	62	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2007	14.09	Y	N
11103475	0411103475	63	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103476	0411103476	64	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103477	0411103477	65	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2020	1.17	N	N
11103478	0411103478	66	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2020	1.75	N	N
11103480	0411103480	68	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11103482	0411103482	70	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2000	22.00	Y	N
11103483	0411103483	71	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11103486	0411103486	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11103495	0411103495	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103497	0411103497	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2011	10.75	Y	N
11103498	0411103498	17	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11103499	0411103499	18	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/2009	12.84	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11103500	0411103500	19	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11103503	0411103503	120	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	1/1/2006	16.00	Y	N
11103639	0411103639	T-161	C0885	California Resources Production Corporation	Water Disposal	Shiells Canyon	708	None	Northern	Any Area	Ventura	1/1/2021	1.00	N	N
11103673	0411103673	WI-33	C0885	California Resources Production Corporation	Waterflood	Shiells Canyon	708	None	Northern	Main	Ventura	1/1/1979	43.00	Y	N
11103675	0411103675	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2015	7.00	N	N
11103682	0411103682	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/1983	38.51	Y	N
11103683	0411103683	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103684	0411103684	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2011	10.17	Y	N
11103686	0411103686	2	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Bridge	Ventura	11/1/1989	32.17	Y	N
11103687	0411103687	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2018	3.17	N	N
11103688	0411103688	4	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Bridge	Ventura	3/1/2018	3.84	N	N
11103689	0411103689	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103690	0411103690	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/1998	23.34	Y	N
11103692	0411103692	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2011	11.00	Y	N
11103694	0411103694	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2011	10.67	Y	N
11103696	0411103696	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11103697	0411103697	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1992	30.00	Y	N
11103698	0411103698	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/1984	37.50	Y	N
11103700	0411103700	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2012	9.08	Y	N
11103701	0411103701	4	C0885	California Resources Production Corporation	Water Disposal	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2020	1.50	N	N
11103702	0411103702	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2018	4.00	N	N
11103703	0411103703	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2012	9.08	Y	N
11103705	0411103705	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2019	2.75	N	N
11103706	0411103706	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2017	4.34	N	N
11103707	0411103707	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103709	0411103709	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103712	0411103712	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11103715	0411103715	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2016	5.92	N	N
11103716	0411103716	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2017	4.34	N	N
11103723	0411103723	6	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103728	0411103728	11	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103730	0411103730	13	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2012	9.75	Y	N
11103734	0411103734	17	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103735	0411103735	18	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103738	0411103738	21	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2021	1.00	N	N
11103745	0411103745	28	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2009	12.92	Y	N
11103749	0411103749	32	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2009	12.92	Y	N
11103750	0411103750	33	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2016	5.75	N	N
11103752	0411103752	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103755	0411103755	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2014	7.17	N	N
11103756	0411103756	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2014	7.51	N	N
11103758	0411103758	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11103762	0411103762	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103765	0411103765	11	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2015	6.67	N	N
11103766	0411103766	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2001	20.51	Y	N
11103767	0411103767	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2020	1.58	N	N
11103768	0411103768	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2008	13.75	Y	N
11103770	0411103770	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2011	10.25	Y	N
11103772	0411103772	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2006	15.42	Y	N
11103776	0411103776	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2016	5.92	N	N
11103780	0411103780	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103784	0411103784	20	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2018	3.50	N	N
11103785	0411103785	21	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103787	0411103787	23	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/1990	31.17	Y	N
11103789	0411103789	25	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2010	11.09	Y	N
11103790	0411103790	26	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11103792	0411103792	28	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2012	9.75	Y	N
11103793	0411103793	29	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11103794	0411103794	30	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/1998	23.25	Y	N
11103795	0411103795	31	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/1981	40.75	Y	N
11103796	0411103796	32	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/1993	28.59	Y	N
11103797	0411103797	33	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2020	1.75	N	N
11103798	0411103798	34	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2011	10.25	Y	N
11103800	0411103800	36	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2010	12.00	Y	N
11103801	0411103801	37	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103807	0411103807	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2012	9.33	Y	N
11103808	0411103808	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11103809	0411103809	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103811	0411103811	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2012	9.50	Y	N
11103812	0411103812	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103814	0411103814	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103815	0411103815	11	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103816	0411103816	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2013	8.67	Y	N
11103817	0411103817	13	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103818	0411103818	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2012	9.25	Y	N
11103819	0411103819	15	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2012	9.25	Y	N
11103820	0411103820	16	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103821	0411103821	17	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103822	0411103822	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/2008	13.84	Y	N
11103823	0411103823	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11103824	0411103824	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103826	0411103826	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2012	9.92	Y	N
11103827	0411103827	9	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103828	0411103828	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2015	7.00	N	N
11103831	0411103831	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2021	1.00	N	N
11103834	0411103834	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103836	0411103836	3	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11103838	0411103838	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103840	0411103840	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2019	2.51	N	N
11103841	0411103841	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/1982	39.34	Y	N
11103842	0411103842	9	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2010	11.92	Y	N
11103844	0411103844	11	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2000	21.67	Y	N
11103845	0411103845	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2019	2.51	N	N
11103846	0411103846	13	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103847	0411103847	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11103851	0411103851	23	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11103852	0411103852	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2000	21.67	Y	N
11103855	0411103855	4	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11103856	0411103856	5	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/1998	23.25	Y	N
11103857	0411103857	6	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/1986	35.67	Y	N
11104033	0411104033	1-12	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/1989	32.17	Y	N
11104035	0411104035	3-12	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104042	0411104042	15-7	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2000	21.17	Y	N
11104044	0411104044	19-12	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104045	0411104045	20-12	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	5/1/1984	37.67	Y	N
11104048	0411104048	13-18	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11104138	0411104138	6	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11104151	0411104151	19	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	9/1/2009	12.34	Y	N
11104164	0411104164	32	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	8/1/1993	28.42	Y	N
11104167	0411104167	35	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11104175	0411104175	44	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104184	0411104184	53	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	4/1/1903	118.75	Y	N
11104192	0411104192	60	C0885	California Resources Production Corporation	Water Disposal	Torrey Canyon	784	None	Northern	Any Area	Ventura	8/1/1987	34.42	Y	N
11104196	0411104196	65	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104198	0411104198	67	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11104202	0411104202	71	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11104203	0411104203	72	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11104204	0411104204	73	C0885	California Resources Production Corporation	Waterflood	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104205	0411104205	74	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104206	0411104206	75	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	8/1/2012	9.42	Y	N
11104208	0411104208	77	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11104209	0411104209	78	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11104210	0411104210	79	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/2011	11.00	Y	N
11104212	0411104212	81	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	11/1/2009	12.17	Y	N
11104215	0411104215	84	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11104217	0411104217	86	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	10/1/2003	18.25	Y	N
11104218	0411104218	87	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	3/1/1994	27.84	Y	N
11104221	0411104221	90	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11104222	0411104222	91	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/2002	20.00	Y	N
11104223	0411104223	92	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	8/1/2012	9.42	Y	N
11104225	0411104225	95	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11104226	0411104226	96	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11104227	0411104227	97	C0885	California Resources Production Corporation	Water Disposal	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104228	0411104228	98	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	7/1/2019	2.51	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11104230	0411104230	100	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	11/1/1991	30.17	Y	N
11104236	0411104236	107	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	6/1/1989	32.59	Y	N
11104237	0411104237	108	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11104238	0411104238	W-1	C0885	California Resources Production Corporation	Waterflood	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11104239	0411104239	W-2	C0885	California Resources Production Corporation	Waterflood	Torrey Canyon	784	None	Northern	Any Area	Ventura	4/1/1987	34.75	Y	N
11104240	0411104240	W-3	C0885	California Resources Production Corporation	Waterflood	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105455	0411105455	3	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	12/1/2006	15.09	Y	N
11105476	0411105476	12	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11105480	0411105480	1	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	6/1/2010	11.59	Y	N
11105487	0411105487	2	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	6/1/2019	2.59	N	N
11105488	0411105488	1	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	12/1/1998	23.09	Y	N
11105503	0411105503	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2003	19.00	Y	N
11105505	0411105505	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105508	0411105508	B-84	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11105514	0411105514	303	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1994	27.34	Y	N
11105515	0411105515	53	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2015	6.25	N	N
11105525	0411105525	203	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	4/1/1982	39.75	Y	N
11105526	0411105526	702	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105701	0411105701	27	C0885	California Resources Production Corporation	Oil & Gas	Tapo Ridge	748	None	Northern	Any Area	Ventura	9/1/2013	8.34	Y	N
11106188	0411106188	9	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1996	26.00	Y	N
11106189	0411106189	B-8	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11106190	0411106190	B-7	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11106191	0411106191	A-18-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	7/1/2021	0.50	N	N
11106192	0411106192	B-22	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1981	40.34	Y	N
11106193	0411106193	B-28	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1979	43.00	Y	N
11106199	0411106199	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11106250	0411106250	101	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	11/1/2021	0.17	N	N
11106406	0411106406	Aliso 1	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Aliso	Northern	Any Area	Ventura	6/24/2002	19.52	Y	N
11106408	0411106408	Upper Salt Marsh 16	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Upper Salt Marsh	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11106409	0411106409	Upper Salt Marsh 13	C0885	California Resources Production Corporation	Oil & Gas	Santa Paula (ABD)	670	Upper Salt Marsh	Northern	Any Area	Ventura	6/15/2002	19.55	Y	N
11106457	0411106457	3A	C0885	California Resources Production Corporation	Dry Hole	Shiells Canyon	708	None	Northern	Main	Ventura	6/20/2002	19.54	Y	N
11120009	0411120009	A-35-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/2013	8.25	Y	N
11120049	0411120049	32	C0885	California Resources Production Corporation	Oil & Gas	Saticoy	678	None	Northern	Main	Ventura	9/1/2004	17.33	Y	N
11120061	0411120061	6	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2009	12.50	Y	N
11120063	0411120063	103	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/2015	6.17	N	N
11120081	0411120081	14B-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	10/1/2003	18.25	Y	N
11120090	0411120090	52-3	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	7/1/2002	19.51	Y	N
11120091	0411120091	Grubb 451	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11120101	0411120101	703	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120105	0411120105	455	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120106	0411120106	Grubb 452	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	1/1/2015	7.00	N	N
11120109	0411120109	454	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2019	2.67	N	N
11120110	0411120110	WI-40	C0885	California Resources Production Corporation	Waterflood	Shiells Canyon	708	None	Northern	Main	Ventura	11/1/1983	38.17	Y	N
11120123	0411120123	A-41	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	1/1/1985	37.00	Y	N
11120124	0411120124	A-4-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11120135	0411120135	Grubb 458	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	12/1/2014	7.09	N	N
11120139	0411120139	Grubb 459	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	10/1/1990	31.25	Y	N
11120144	0411120144	1	C0885	California Resources Production Corporation	Water Disposal	Bardsdale	036	None	Northern	Any Area	Ventura	4/1/2021	0.75	N	N
11120154	0411120154	462	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120171	0411120171	463	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120192	0411120192	Grubb 464	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	12/1/2014	7.09	N	N
11120215	0411120215	154	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1992	29.92	Y	N
11120237	0411120237	155	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/1996	25.84	Y	N
11120242	0411120242	156	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1982	39.75	Y	N
11120281	0411120281	160	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1998	23.75	Y	N
11120285	0411120285	351	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120287	0411120287	A-45W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	10/1/1996	25.25	Y	N
11120300	0411120300	111	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/2013	8.34	Y	N
11120305	0411120305	A-46	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11120320	0411120320	10P	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	7/1/2021	0.50	N	N
11120324	0411120324	163	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/2000	21.42	Y	N
11120334	0411120334	119	C0885	California Resources Production Corporation	Oil & Gas	Santa Susana	672	None	Northern	Any Area	Ventura	5/1/1993	28.67	Y	N
11120341	0411120341	112	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1997	24.09	Y	N
11120352	0411120352	166	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/1987	34.17	Y	N
11120354	0411120354	70	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	9/1/1996	25.33	Y	N
11120355	0411120355	167	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/1995	26.67	Y	N
11120357	0411120357	352	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/1984	37.84	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11120366	0411120366	31	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2011	10.92	Y	N
11120374	0411120374	A-48	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11120383	0411120383	72	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	1/1/2013	9.00	Y	N
11120386	0411120386	27	C0885	California Resources Production Corporation	Dry Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	4/1/1999	22.75	Y	N
11120390	0411120390	1	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120397	0411120397	353	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1984	38.00	Y	N
11120405	0411120405	8	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	3/1/2009	12.84	Y	N
11120408	0411120408	354	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1985	36.75	Y	N
11120416	0411120416	2A	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	11/1/1995	26.17	Y	N
11120421	0411120421	3	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120426	0411120426	4A	C0885	California Resources Production Corporation	Water Disposal	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	7/1/2019	2.51	N	N
11120434	0411120434	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11120435	0411120435	Grubb 172	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	3/1/2016	5.84	N	N
11120438	0411120438	5	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	6/1/2018	3.59	N	N
11120446	0411120446	1	C0885	California Resources Production Corporation	Water Disposal	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	11/1/2005	16.17	Y	N
11120447	0411120447	101-10	C0885	California Resources Production Corporation	Waterflood	Oakridge	514	None	Northern	Any Area	Ventura	10/1/2014	7.25	N	N
11120459	0411120459	182	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1987	34.75	Y	N
11120472	0411120472	1	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	6/1/2018	3.59	N	N
11120480	0411120480	356	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/1984	37.84	Y	N
11120481	0411120481	295	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N
11120483	0411120483	296	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1990	31.34	Y	N
11120484	0411120484	357	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/2013	9.00	Y	N
11120502	0411120502	95	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N
11120512	0411120512	96	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/2002	19.17	Y	N
11120549	0411120549	359	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/1984	37.50	Y	N
11120553	0411120553	97	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120568	0411120568	50	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120575	0411120575	13	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/2016	5.84	N	N
11120584	0411120584	362	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/1989	32.25	Y	N
11120585	0411120585	363	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120596	0411120596	113	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/1982	39.59	Y	N
11120622	0411120622	A-8-1	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1998	23.84	Y	N
11120623	0411120623	239	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	9/1/2015	6.34	N	N
11120624	0411120624	240	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	7/1/2016	5.50	N	N
11120635	0411120635	114	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/1994	27.67	Y	N
11120645	0411120645	4	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11120663	0411120663	98	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120669	0411120669	6	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120680	0411120680	7	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120718	0411120718	8	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120751	0411120751	El Rio 1-XA	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	El Rio	Northern	Any Area	Ventura	11/1/1989	32.17	Y	N
11120758	0411120758	365	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1991	30.92	Y	N
11120763	0411120763	364	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1987	34.75	Y	N
11120767	0411120767	298	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/1981	40.42	Y	N
11120776	0411120776	245	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	2/1/2011	10.92	Y	N
11120778	0411120778	366	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/2005	16.51	Y	N
11120783	0411120783	367	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2018	3.25	N	N
11120784	0411120784	368	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1995	26.92	Y	N
11120785	0411120785	369	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	1/1/1982	40.00	Y	N
11120786	0411120786	370	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/2000	21.42	Y	N
11120788	0411120788	372	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1998	23.92	Y	N
11120792	0411120792	299	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2013	8.25	Y	N
11120795	0411120795	24-18	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	5/1/2014	7.67	N	N
11120796	0411120796	246	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	10/1/2012	9.25	Y	N
11120805	0411120805	3	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	2/1/2013	8.92	Y	N
11120806	0411120806	300	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2016	5.67	N	N
11120815	0411120815	204	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	11/1/2007	14.17	Y	N
11120826	0411120826	9	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	6/1/1990	31.59	Y	N
11120832	0411120832	16	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Any Area	Ventura	11/1/2013	8.17	Y	N
11120847	0411120847	30-18	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	12/1/2011	10.09	Y	N
11120853	0411120853	709	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	3/1/2004	17.84	Y	N
11120860	0411120860	206	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	2/1/2014	7.92	N	N
11120865	0411120865	11	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120867	0411120867	205	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	10/1/2007	14.25	Y	N
11120868	0411120868	207	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	6/1/2004	17.58	Y	N
11120869	0411120869	208	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	11/1/1996	25.17	Y	N
11120870	0411120870	710	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	10/1/1996	25.25	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11120871	0411120871	711	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	11/1/1993	28.17	Y	N
11120911	0411120911	E1	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	9/1/2018	3.34	N	N
11120912	0411120912	19	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Any Area	Ventura	8/1/2019	2.42	N	N
11120939	0411120939	205	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11120940	0411120940	170	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2004	17.42	Y	N
11120941	0411120941	171	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/1986	35.25	Y	N
11120943	0411120943	1-1	C0885	California Resources Production Corporation	Oil & Gas	Tapo Ridge	748	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11120967	0411120967	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2012	9.25	Y	N
11120968	0411120968	74	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11120970	0411120970	E3	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	2/1/2021	0.92	N	N
11120980	0411120980	374	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1996	25.75	Y	N
11120983	0411120983	209	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	2/1/2014	7.92	N	N
11121001	0411121001	E5	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	3/1/2021	0.84	N	N
11121004	0411121004	E6	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	4/1/2021	0.75	N	N
11121008	0411121008	210	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	7/1/1990	31.51	Y	N
11121017	0411121017	E8	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	7/1/2019	2.51	N	N
11121019	0411121019	713	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	8/1/2015	6.42	N	N
11121020	0411121020	Chase 5	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	8/1/1994	27.42	Y	N
11121021	0411121021	Chase 6	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	4/1/2004	17.75	Y	N
11121022	0411121022	2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/1983	38.25	Y	N
11121026	0411121026	Chase 2X	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2012	9.84	Y	N
11121027	0411121027	Chase 4X	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	7/1/2010	11.51	Y	N
11121029	0411121029	E9	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	12/1/2019	2.09	N	N
11121035	0411121035	133W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	9/1/1996	25.33	Y	N
11121044	0411121044	134W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	4/1/1997	24.75	Y	N
11121049	0411121049	132	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1988	33.84	Y	N
11121052	0411121052	339	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1996	25.92	Y	N
11121057	0411121057	329	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11121058	0411121058	334	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/2016	5.42	N	N
11121063	0411121063	340	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1997	24.75	Y	N
11121067	0411121067	333	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	11/1/2015	6.17	N	N
11121068	0411121068	337	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	10/1/2016	5.25	N	N
11121079	0411121079	336	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/2004	17.33	Y	N
11121080	0411121080	338	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11121085	0411121085	Chase 7	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	7/1/1991	30.51	Y	N
11121086	0411121086	Chase 8	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11121088	0411121088	212	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	10/1/2007	14.25	Y	N
11121089	0411121089	213	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	7/1/1994	27.51	Y	N
11121092	0411121092	1	C0885	California Resources Production Corporation	Water Disposal	Shiells Canyon	708	None	Northern	Main	Ventura	8/1/1983	38.42	Y	N
11121096	0411121096	79-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	11/1/1996	25.17	Y	N
11121097	0411121097	327	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/1984	37.58	Y	N
11121106	0411121106	78-W	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	10/1/1997	24.25	Y	N
11121120	0411121120	375	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1995	26.92	Y	N
11121131	0411121131	77	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	4/1/2003	18.75	Y	N
11121132	0411121132	35-4	C0885	California Resources Production Corporation	Waterflood	Rincon	600	None	Northern	Onshore	Ventura	4/1/2018	3.75	N	N
11121150	0411121150	380	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	8/1/1996	25.42	Y	N
11121156	0411121156	Chase 9	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	7/1/2000	21.50	Y	N
11121158	0411121158	Chase 11	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/2006	15.09	Y	N
11121159	0411121159	Chase 12	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	10/1/2009	12.25	Y	N
11121161	0411121161	214	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	11/1/2007	14.17	Y	N
11121171	0411121171	376	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/1995	26.75	Y	N
11121172	0411121172	E14	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	2/1/1999	22.92	Y	N
11121185	0411121185	Chase 14	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	1/1/1995	27.00	Y	N
11121189	0411121189	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2012	9.58	Y	N
11121201	0411121201	343	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/2015	6.59	N	N
11121222	0411121222	344	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2016	5.67	N	N
11121243	0411121243	Chase 15	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11121244	0411121244	Chase 16	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	5/1/2017	4.67	N	N
11121245	0411121245	Chase 17	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	6/1/1997	24.59	Y	N
11121246	0411121246	Chase 18	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11121252	0411121252	206	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1994	27.34	Y	N
11121292	0411121292	38-18	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11121294	0411121294	40-18	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	7/1/2017	4.50	N	N
11121312	0411121312	E18	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	9/1/2019	2.34	N	N
11121315	0411121315	A-8-2	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	5/1/2021	0.67	N	N
11121322	0411121322	215	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	7/1/2013	8.50	Y	N
11121323	0411121323	216	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	3/1/2018	3.84	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11121324	0411121324	217	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11121325	0411121325	218	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11121326	0411121326	219	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11121327	0411121327	Chase 20	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	4/1/2004	17.75	Y	N
11121328	0411121328	Chase 21	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/2014	7.09	N	N
11121329	0411121329	Chase 22	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11121330	0411121330	Chase 23	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11121331	0411121331	Chase 24	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	2/1/2014	7.92	N	N
11121341	0411121341	B-190	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	3/1/1998	23.84	Y	N
11121367	0411121367	Chase 25	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	9/1/2005	16.34	Y	N
11121368	0411121368	Chase 26	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	5/1/1995	26.67	Y	N
11121369	0411121369	Chase 27	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	7/1/2011	10.51	Y	N
11121370	0411121370	Chase 28	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	10/1/2009	12.25	Y	N
11121371	0411121371	El Rio 7	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	El Rio	Northern	Any Area	Ventura	10/1/2007	14.25	Y	N
11121372	0411121372	El Rio 8	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	El Rio	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11121375	0411121375	715	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	12/1/1994	27.09	Y	N
11121395	0411121395	211	C0885	California Resources Production Corporation	Waterflood	San Miguelito	658	None	Northern	Any Area	Ventura	6/1/2015	6.59	N	N
11121427	0411121427	108	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	8/1/2000	21.42	Y	N
11121446	0411121446	209	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11121453	0411121453	210	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/2011	10.75	Y	N
11121470	0411121470	Chase 29	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	1/1/2016	6.00	N	N
11121471	0411121471	Chase 30	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	9/1/2010	11.34	Y	N
11121472	0411121472	Chase 31	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	11/1/1990	31.17	Y	N
11121473	0411121473	Chase 32	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	1/1/2008	14.00	Y	N
11121474	0411121474	Chase 33	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	10/1/2006	15.25	Y	N
11121475	0411121475	Chase 34	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	4/1/2013	8.75	Y	N
11121476	0411121476	Chase 35	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2012	9.84	Y	N
11121477	0411121477	716	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	9/1/2004	17.33	Y	N
11121478	0411121478	717	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	3/1/1999	22.84	Y	N
11121479	0411121479	718	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	7/1/2009	12.50	Y	N
11121480	0411121480	719	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11121534	0411121534	387	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	2/1/1994	27.92	Y	N
11121551	0411121551	384	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	4/1/2016	5.75	N	N
11121566	0411121566	392	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	3/1/2020	1.84	N	N
11121582	0411121582	391	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/2003	18.51	Y	N
11121607	0411121607	396	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	9/1/1996	25.33	Y	N
11121620	0411121620	346	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	7/1/1995	26.51	Y	N
11121639	0411121639	39	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11121641	0411121641	41	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11121824	0411121824	12A	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	3/1/2000	21.84	Y	N
11121830	0411121830	2	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11121835	0411121835	2	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	3/1/2009	12.84	Y	N
11121836	0411121836	8	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	11/1/2016	5.17	N	N
11121838	0411121838	45	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11121842	0411121842	13	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	8/1/1999	22.42	Y	N
11121845	0411121845	53	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11121848	0411121848	14	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	9/1/2003	18.34	Y	N
11121849	0411121849	3	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2003	18.67	Y	N
11121853	0411121853	25	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11121856	0411121856	5	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	2/1/2000	21.92	Y	N
11121858	0411121858	7	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	1/1/2000	22.00	Y	N
11121867	0411121867	8	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11121869	0411121869	1	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	12/1/2005	16.09	Y	N
11121870	0411121870	11	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	8/1/2017	4.42	N	N
11121871	0411121871	10	C0885	California Resources Production Corporation	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11121872	0411121872	10	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11121874	0411121874	4	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11121940	0411121940	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11121956	0411121956	805	C0885	California Resources Production Corporation	Oil & Gas	San Miguelito	658	None	Northern	Any Area	Ventura	12/1/2018	3.09	N	N
11122045	0411122045	Grubb 470	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	3/1/2016	5.84	N	N
11122076	0411122076	474	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	None	Northern	Onshore	Ventura	10/1/2018	3.25	N	N
11122084	0411122084	Grubb 477	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	7/1/2021	0.50	N	N
11122088	0411122088	Grubb 483	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	4/1/2018	3.75	N	N
11122090	0411122090	Grubb 484	C0885	California Resources Production Corporation	Oil & Gas	Rincon	600	Grubb	Northern	Onshore	Ventura	5/1/2018	3.67	N	N
11122092	0411122092	616-1	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Onshore	Ventura	8/1/2018	3.42	N	N
11122118	0411122118	55	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11122119	0411122119	56	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11122120	0411122120	6H	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11122126	0411122126	3S-7	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	7/1/2014	7.51	N	N
11122142	0411122142	115	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	6/1/2018	3.59	N	N
11122143	0411122143	29	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11122151	0411122151	113	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	2/1/2018	3.92	N	N
11122152	0411122152	116	C0885	California Resources Production Corporation	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	9/1/2014	7.34	N	N
11122166	0411122166	13	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11122167	0411122167	14	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2015	6.51	N	N
11122168	0411122168	12	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11122170	0411122170	3	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11122178	0411122178	17	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	5/1/2018	3.67	N	N
11122181	0411122181	18	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11122185	0411122185	6	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11122186	0411122186	7	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	1/1/2020	2.00	N	N
11122207	0411122207	26	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	2/1/2016	5.92	N	N
11122211	0411122211	30	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2016	5.50	N	N
11122213	0411122213	Chase C-C8	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11122214	0411122214	Chase C-D11	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11122217	0411122217	TA-D10	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11122218	0411122218	Chase C-E9	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11122219	0411122219	Chase C-F12	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	Chase	Northern	Any Area	Ventura	3/1/2018	3.84	N	N
11122221	0411122221	23	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	11/1/2016	5.17	N	N
11122222	0411122222	24	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	12/1/2016	5.08	N	N
11122224	0411122224	32	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	7/1/2018	3.50	N	N
11122239	0411122239	6	C0885	California Resources Production Corporation	Oil & Gas	West Mountain	830	None	Northern	Any Area	Ventura	12/1/2015	6.09	N	N
11122253	0411122253	10	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	9/1/2018	3.34	N	N
11122259	0411122259	9H	C0885	California Resources Production Corporation	Oil & Gas	Oakridge	514	None	Northern	Any Area	Ventura	12/1/2020	1.08	N	N
11122277	0411122277	36	C0885	California Resources Production Corporation	Waterflood	South Mountain	714	None	Northern	Any Area	Ventura	4/1/2016	5.75	N	N
11122278	0411122278	86	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Any Area	Ventura	10/1/2018	3.25	N	N
11122284	0411122284	41	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	8/1/2017	4.42	N	N
11122285	0411122285	32	C0885	California Resources Production Corporation	Oil & Gas	Montalvo, West	476	None	Northern	Offshore	Ventura	11/1/2016	5.17	N	N
11122287	0411122287	VPC-1	C0885	California Resources Production Corporation	Oil & Gas	Shiells Canyon	708	None	Northern	Main	Ventura	8/1/2016	5.42	N	N
11122297	0411122297	TA-B5	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	10/1/2016	5.25	N	N
11122298	0411122298	TA-C2	C0885	California Resources Production Corporation	Oil & Gas	Oxnard	530	None	Northern	Any Area	Ventura	6/1/2017	4.59	N	N
11122359	0411122359	2	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11122359	0411122359	2	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11122362	0411122362	3	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11122362	0411122362	3	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11122366	0411122366	4	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2018	3.17	N	N
11122366	0411122366	4	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2018	3.17	N	N
11122367	0411122367	5	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2018	3.17	N	N
11122367	0411122367	5	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2018	3.17	N	N
11122368	0411122368	3	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11122368	0411122368	3	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	11/1/2019	2.17	N	N
11122369	0411122369	3	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	9/1/2019	2.34	N	N
11122369	0411122369	3	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	9/1/2019	2.34	N	N
11122378	0411122378	1	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Bridge	Ventura	7/1/2021	0.50	N	N
11122379	0411122379	2	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11122379	0411122379	2	C0885	California Resources Production Corporation	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11122396	0411122396	7	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	None	Northern	Main	Ventura	1/1/2020	2.00	N	N
11122398	0411122398	10-6	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	None	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11122401	0411122401	Southfork Ranch 2	C0885	California Resources Production Corporation	Oil & Gas	South Mountain	714	Southfork Ranch	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11122407	0411122407	12-6	C0885	California Resources Production Corporation	Oil & Gas	Bardsdale	036	Unspecified	Northern	Any Area	Ventura	12/1/2021	0.08	N	N
11102591	0411102591	Central 1	C4500	Central Lease, Inc.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	7/20/1992	29.45	Y	N
11102594	0411102594	Central 4	C4500	Central Lease, Inc.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	2/1/1957	64.92	Y	N
11102595	0411102595	Central 5	C4500	Central Lease, Inc.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	1/1/1900	122.00	Y	N
11102593	0411102593	Central 3	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	2/1/2017	4.92	N	N
11102596	0411102596	Central 6	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	8/1/2017	4.42	N	N
11102598	0411102598	Central 9	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	7/1/2017	4.50	N	N
11102600	0411102600	Central 11	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	4/1/2011	10.75	Y	N
11102601	0411102601	Central 7	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Central	Northern	Little Sespe Creek	Ventura	4/1/2011	10.75	Y	N
11102604	0411102604	Lynn 2	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Lynn	Northern	Little Sespe Creek	Ventura	9/1/2016	5.33	N	N
11102605	0411102605	Lynn 3	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Lynn	Northern	Little Sespe Creek	Ventura	8/1/2016	5.42	N	N
11120569	0411120569	Rehart-Hunter 2	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	Rehart-Hunter	Northern	Tar Creek-Topatopa	Ventura	12/1/2011	10.09	Y	N
11120579	0411120579	A.D.P. Rehart-Hunter 3-11	C5550	Chemassist, L.L.C.	Oil & Gas	Sespe	694	A.D.P. Rehart-Hunter	Northern	Tar Creek-Topatopa	Ventura	1/1/2003	19.00	Y	N
11100708	0411100708	Sunset 12	C5640	Chevron U.S.A. Inc.	Oil & Gas	Hopper Canyon	310	Sunset	Northern	North (ABD)	Ventura	11/19/2001	20.12	Y	N
11101410	0411101410	Crocker Fee 15	C5640	Chevron U.S.A. Inc.	Oil & Gas	Piru (ABD)	546	Crocker Fee	Northern	Any Area	Ventura	6/21/2002	19.53	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11101417	0411101417	Crocker Fee 23	C5640	Chevron U.S.A. Inc.	Oil & Gas	Piru (ABD)	546	Crocker Fee	Northern	Any Area	Ventura	2/1/1979	42.92	Y	N
11103066	0411103066	Tapo 104	C5640	Chevron U.S.A. Inc.	Oil & Gas	Simi	710	Tapo	Northern	Old	Ventura	11/30/2001	20.09	Y	N
11106294	0411106294	Sunset 6	C5640	Chevron U.S.A. Inc.	Oil & Gas	Hopper Canyon	310	Sunset	Northern	North (ABD)	Ventura	11/19/2001	20.12	Y	N
11106300	0411106300	Sunset 10	C5640	Chevron U.S.A. Inc.	Oil & Gas	Hopper Canyon	310	Sunset	Northern	North (ABD)	Ventura	11/19/2001	20.12	Y	N
11106305	0411106305	Sunset 3	C5640	Chevron U.S.A. Inc.	Oil & Gas	Hopper Canyon	310	Sunset	Northern	Main	Ventura	11/19/2001	20.12	Y	N
11106311	0411106311	Crown B	C5640	Chevron U.S.A. Inc.	Oil & Gas	Piru (ABD)	546	Crown	Northern	Any Area	Ventura	7/21/2002	19.45	Y	N
11106315	0411106315	Crocker Fee 27	C5640	Chevron U.S.A. Inc.	Oil & Gas	Piru (ABD)	546	Crocker Fee	Northern	Any Area	Ventura	7/21/2002	19.45	Y	N
11106448	0411106448	Shiells 3-1	C5640	Chevron U.S.A. Inc.	Oil & Gas	Shiells Canyon	708	Shiells	Northern	Main	Ventura	12/8/2001	20.07	Y	N
11106449	0411106449	Shiells 3-2	C5640	Chevron U.S.A. Inc.	Oil & Gas	Shiells Canyon	708	Shiells	Northern	Main	Ventura	12/8/2001	20.07	Y	N
11121805	0411121805	Union 1	C5640	Chevron U.S.A. Inc.	Dry Hole	Any Field	000	Union	Northern	Any Area	Ventura	12/5/2001	20.08	Y	N
11121040	0411121040	Ventura Realty 34X-1	C7465	Concordia Resources, Inc.	Water Disposal	Chaffee Canyon	130	Ventura Realty	Northern	Any Area	Ventura	12/1/1988	33.08	Y	N
11121075	0411121075	Ventura Realty 14X-1	C7465	Concordia Resources, Inc.	Oil & Gas	Chaffee Canyon	130	Ventura Realty	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11121154	0411121154	Davis U.S.L. 83X-2	C7465	Concordia Resources, Inc.	Oil & Gas	Chaffee Canyon	130	Davis U.S.L.	Northern	Any Area	Ventura	4/1/1989	32.75	Y	N
11100963	0411100963	Keri-Nicole 2	C8685	Crazy J Oil, LLC	Oil & Gas	Ojai	520	Keri-Nicole	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11100964	0411100964	Keri-Nicole 3	C8685	Crazy J Oil, LLC	Oil & Gas	Ojai	520	Keri-Nicole	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11100973	0411100973	Keri-Nicole 1	C8685	Crazy J Oil, LLC	Oil & Gas	Ojai	520	Keri-Nicole	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11120119	0411120119	Keri-Nicole 4	C8685	Crazy J Oil, LLC	Oil & Gas	Ojai	520	Keri-Nicole	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11100703	0411100703	Canyon 2	D1325	DCOR, LLC	Oil & Gas	Hopper Canyon	310	Canyon	Northern	Main	Ventura	7/1/2021	0.50	N	N
11120501	0411120501	Hopper 17	D1325	DCOR, LLC	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	7/1/2021	0.50	N	N
11120507	0411120507	Hopper 18	D1325	DCOR, LLC	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	7/1/2021	0.50	N	N
11120511	0411120511	Hopper 17A	D1325	DCOR, LLC	Water Disposal	Hopper Canyon	310	Hopper	Northern	Main	Ventura	7/1/2020	1.50	N	N
11120926	0411120926	Canyon 28	D1325	DCOR, LLC	Oil & Gas	Hopper Canyon	310	Canyon	Northern	Main	Ventura	7/1/2021	0.50	N	N
11121976	0411121976	Temescal 36-15	D1325	DCOR, LLC	Oil & Gas	Piru Creek (ABD)	548	Temescal	Northern	Any Area	Ventura	6/1/2016	5.58	N	N
11122111	0411122111	Hopper 31	D1325	DCOR, LLC	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	5/1/2016	5.67	N	N
11122242	0411122242	Temescal 28	D1325	DCOR, LLC	Oil & Gas	Temescal	764	Temescal	Northern	Any Area	Ventura	10/1/2018	3.25	N	N
11102675	0411102675	Well No. 2	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Well No.	Northern	Foot of The Hills	Ventura	6/1/2002	19.59	Y	N
11102676	0411102676	Unspecified 3	D4550	W. R. Dudley	Water Disposal	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	6/1/1998	23.59	Y	N
11102677	0411102677	Unspecified 4	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	6/1/1998	23.59	Y	N
11102678	0411102678	Unspecified 5	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	6/1/1998	23.59	Y	N
11102679	0411102679	Unspecified 6	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	1/1/1996	26.00	Y	N
11102680	0411102680	Unspecified 7	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	1/1/1979	43.00	Y	N
11102681	0411102681	Unspecified 8	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	6/1/1998	23.59	Y	N
11102682	0411102682	Unspecified 9	D4550	W. R. Dudley	Oil & Gas	Sespe	694	Unspecified	Northern	Foot of The Hills	Ventura	4/1/1980	41.75	Y	N
11104052	0411104052	11-7	E0455	CalNRG Operating, LLC	Oil & Gas	Tapo Canyon, South	746	None	Northern	Any Area	Ventura	1/1/2022	0.00	N	N
11121829	0411121829	6	E0455	CalNRG Operating, LLC	Oil & Gas	Santa Clara Avenue	662	None	Northern	Any Area	Ventura	1/1/2022	0.00	N	N
11122189	0411122189	117	E0455	CalNRG Operating, LLC	Oil & Gas	Torrey Canyon	784	None	Northern	Any Area	Ventura	1/1/2022	0.00	N	N
11106267	0411106267	West End 1	E2600	Empire Oil Co.	Oil & Gas	Timber Canyon	774	West End	Northern	Main	Ventura	7/21/2002	19.45	Y	N
11100685	0411100685	Hopper 20	F1450	Fortune Petroleum Corporation	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	12/2/2001	20.08	Y	N
11100695	0411100695	Hopper 104	F1450	Fortune Petroleum Corporation	Oil & Gas	Hopper Canyon	310	Hopper	Northern	Main	Ventura	7/21/2002	19.45	Y	N
11106336	0411106336	N. L. & F. 8-2	H1400	Hanna Oil Co.	Dry Hole	Tapo, North	744	N. L. & F.	Northern	Any Area	Ventura	7/21/2002	19.45	Y	N
11106221	0411106221	Tar Creek 20	H4475	Hinkle Exploration Ltd.	Oil & Gas	Sespe	694	Tar Creek	Northern	Tar Creek-Topatopa	Ventura	1/1/1973	49.00	Y	N
11120325	0411120325	A. E. Sloan 101A	I0725	Intercontinental Tech Group, Inc.	Dry Hole	Eureka Canyon	242	A. E. Sloan	Northern	Any Area	Ventura	2/1/1973	48.92	Y	N
11102667	0411102667	Unspecified 11	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Unspecified	Northern	Little Sespe Creek	Ventura	1/1/1979	43.00	Y	N
11102705	0411102705	Kentuck 5	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Kentuck	Northern	Little Sespe Creek	Ventura	6/1/1978	43.59	Y	N
11102714	0411102714	Kentuck 14	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Kentuck	Northern	Little Sespe Creek	Ventura	6/1/1978	43.59	Y	N
11102715	0411102715	Old Star 4	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Old Star	Northern	Little Sespe Creek	Ventura	6/1/1978	43.59	Y	N
11102716	0411102716	Old Star 5	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Old Star	Northern	Little Sespe Creek	Ventura	6/1/1978	43.59	Y	N
11102721	0411102721	Star 11	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Star	Northern	Little Sespe Creek	Ventura	5/1/1958	63.67	Y	N
11102722	0411102722	Star 14	I0900	H. A. Ivers	Oil & Gas	Sespe	694	Star	Northern	Little Sespe Creek	Ventura	5/1/1976	45.67	Y	N
11102876	0411102876	Calumet B-1	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Calumet	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11102877	0411102877	Calumet B-2	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Calumet	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11102887	0411102887	Home Ranch 3	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Home Ranch	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11102890	0411102890	Home Ranch 6	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Home Ranch	Northern	Any Area	Ventura	1/1/2020	2.00	N	N
11121100	0411121100	Home Ranch 8	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Home Ranch	Northern	Main	Ventura	1/1/2020	2.00	N	N
11121164	0411121164	Calumet 17	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Calumet	Northern	Main	Ventura	1/1/2020	2.00	N	N
11121182	0411121182	Calumet 19	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Calumet	Northern	Main	Ventura	1/1/2020	2.00	N	N
11121184	0411121184	Home Ranch 9	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Home Ranch	Northern	Main	Ventura	1/1/2020	2.00	N	N
11121202	0411121202	Calumet 21	J1975	Joro Inc.	Oil & Gas	Shiells Canyon	708	Calumet	Northern	Main	Ventura	1/1/2020	2.00	N	N
11121660	0411121660	WD 1	J1975	Joro Inc.	Water Disposal	Shiells Canyon	708	WD	Northern	Main	Ventura	1/1/2020	2.00	N	N
11120547	0411120547	Ferro 1	L0100	L & M Oil Co.	Dry Hole	Any Field	000	Ferro	Northern	Any Area	Ventura	9/1/1976	45.33	Y	N
11101881	0411101881	Hobson 4	L0875	LBTH Inc.	Oil & Gas	Rincon	600	Hobson	Northern	Onshore	Ventura	9/1/1985	36.34	Y	N
11106194	0411106194	Hobson 1	L0875	LBTH Inc.	Oil & Gas	Rincon	600	Hobson	Northern	Onshore	Ventura	7/1/1983	38.51	Y	N
11100116	0411100116	Marr Ranch 15	M2425	MH Marr	Oil & Gas	Simi	710	Marr Ranch	Northern	Old	Ventura	8/15/2002	19.38	Y	N
11106418	0411106418	Marr Ranch 102	M2425	MH Marr	Oil & Gas	Simi	710	Marr Ranch	Northern	Old	Ventura	8/15/2002	19.38	Y	N
11106420	0411106420	Marr Ranch 101	M2425	MH Marr	Oil & Gas	Simi	710	Marr Ranch	Northern	Old	Ventura	8/15/2002	19.38	Y	N
11121814	0411121814	Marr Ranch 14	M2425	MH Marr	Oil & Gas	Simi	710	Marr Ranch	Northern	Old	Ventura	1/1/1800	Not Available-Gr	Y	N
11100631	0411100631	Well No. 1	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	11/25/2001	20.10	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11100632	0411100632	Well No. 2	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11100634	0411100634	Well No. 4	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	11/25/2001	20.10	Y	N
11100635	0411100635	Well No. 5	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	11/25/2001	20.10	Y	N
11100638	0411100638	Well No. 10	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	11/25/2001	20.10	Y	N
11100639	0411100639	Well No. 12	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	11/25/2001	20.10	Y	N
11100641	0411100641	Well No. 15	M5000	Mercury Oil Co.	Oil & Gas	Eureka Canyon	242	Well No.	Northern	Any Area	Ventura	11/25/2001	20.10	Y	N
11120003	0411120003	Nellie Bell 10	O2120	Orchard E&P, LLC	Oil & Gas	Sespe	694	Nellie Bell	Northern	Foot of The Hills	Ventura	9/1/2014	7.34	N	N
11120697	0411120697	Parlee 2	O2120	Orchard E&P, LLC	Oil & Gas	Sespe	694	Parlee	Northern	Foot of The Hills	Ventura	5/1/2012	9.67	Y	N
11101040	0411101040	Vacca Tar Sand Unit 3-2	P1650	Peak Operator LLC	Water Source	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	8/1/2004	17.42	Y	N
11101042	0411101042	Vacca Tar Sand Unit 4-2	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	1/1/1983	39.00	Y	N
11101047	0411101047	Vacca Tar Sand Unit 2-1	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11101335	0411101335	Scholle-Livingston 1	P1650	Peak Operator LLC	Water Disposal	Oxnard	530	Scholle-Livingston	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11101336	0411101336	Scholle-Livingston 2	P1650	Peak Operator LLC	Oil & Gas	Oxnard	530	Scholle-Livingston	Northern	Any Area	Ventura	10/1/1992	29.25	Y	N
11120989	0411120989	Vacca Tar Sand Unit 4-75	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	1/1/1985	37.00	Y	N
11121032	0411121032	Vacca Tar Sand Unit 4-77	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	2/1/1987	34.92	Y	N
11121083	0411121083	Vacca Tar Sand Unit 3-68	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	5/1/1990	31.67	Y	N
11121084	0411121084	Vacca Tar Sand Unit 3-69	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	10/1/1995	26.25	Y	N
11121263	0411121263	Lloyd-Butler 24-6	P1650	Peak Operator LLC	Oil & Gas	Saticoy	678	Lloyd-Butler	Northern	South	Ventura	2/1/2017	4.92	N	N
11121383	0411121383	Vacca Tar Sand Unit 3-63	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	5/1/1990	31.67	Y	N
11121384	0411121384	Vacca Tar Sand Unit 3-64	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	10/1/1995	26.25	Y	N
11121385	0411121385	Vacca Tar Sand Unit 4-81	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	9/1/2003	18.34	Y	N
11121396	0411121396	Vacca Tar Sand Unit 4-83	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Vacca Tar Sand Unit	Northern	Any Area	Ventura	1/1/2001	21.00	Y	N
11121463	0411121463	Lloyd-Butler 2-6	P1650	Peak Operator LLC	Oil & Gas	Saticoy	678	Lloyd-Butler	Northern	South	Ventura	5/1/2016	5.67	N	N
11121930	0411121930	Pleasant Valley 1	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	1/1/2017	5.00	N	N
11121931	0411121931	Pleasant Valley 2	P1650	Peak Operator LLC	Oil & Gas	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	11/1/2010	11.17	Y	N
11121942	0411121942	Pleasant Valley 3	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	12/1/2017	4.09	N	N
11121945	0411121945	Pleasant Valley 4	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	12/1/2017	4.09	N	N
11121946	0411121946	Pleasant Valley 5	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	1/1/2017	5.00	N	N
11121950	0411121950	Pleasant Valley 6	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	12/1/2017	4.09	N	N
11121951	0411121951	Pleasant Valley 7	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	1/1/2018	4.00	N	N
11121953	0411121953	Pleasant Valley 8	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Pleasant Valley	Northern	Any Area	Ventura	4/1/2018	3.75	N	N
11121972	0411121972	Lenox Ranch 109H	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Lenox Ranch	Northern	Any Area	Ventura	1/1/2011	11.00	Y	N
11122195	0411122195	Peak-HBH 1H-A1	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	2/1/2019	2.92	N	N
11122196	0411122196	Peak-HBH 2H-A2	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11122197	0411122197	Peak-HBH 3H-B2	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11122198	0411122198	Peak-HBH 4H-C2	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	4/1/2021	0.75	N	N
11122199	0411122199	Peak-HBH 5H-B1	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11122200	0411122200	Peak-HBH 6H-C1	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	3/1/2017	4.84	N	N
11122275	0411122275	Lenox M-2	P1650	Peak Operator LLC	Oil & Gas	Oxnard	530	Lenox	Northern	Any Area	Ventura	3/1/2016	5.84	N	N
11122384	0411122384	Peak-HBH 3HU	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11122385	0411122385	Peak-HBH 4HU	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11122386	0411122386	Peak-HBH 5HU	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11122391	0411122391	Peak-HBH 6H	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11122392	0411122392	Peak-HBH 5HA	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	5/1/2021	0.67	N	N
11122393	0411122393	Peak-HBH 6HU	P1650	Peak Operator LLC	Cyclic Steam	Oxnard	530	Peak-HBH	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11100392	0411100392	Burson 2	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Burson	Northern	Any Area	Ventura	9/1/2006	15.34	Y	N
11100413	0411100413	Dryden 3	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Dryden	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11100415	0411100415	Dryden 5	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Dryden	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11100416	0411100416	Dryden 6	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Dryden	Northern	Any Area	Ventura	10/1/2000	21.25	Y	N
11100417	0411100417	Dryden 7	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Dryden	Northern	Any Area	Ventura	8/1/1918	103.42	Y	N
11100456	0411100456	Irwin 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Irwin	Northern	Any Area	Ventura	11/1/1991	30.17	Y	N
11100466	0411100466	Omega 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Omega	Northern	Any Area	Ventura	9/1/1981	40.34	Y	N
11100491	0411100491	Santa Susana 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Bardsdale	036	Santa Susana	Northern	Any Area	Ventura	10/1/2008	13.25	Y	N
11101551	0411101551	Dull 2	P3875	Freeport-McMoRan Oil & Gas LLC	Dry Hole	Ojai	520	Dull	Northern	Silverthread	Ventura	7/21/2002	19.45	Y	N
11101552	0411101552	Dull 3	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	Dull	Northern	Silverthread	Ventura	10/1/1991	30.25	Y	N
11101553	0411101553	Dull 4	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	Dull	Northern	Silverthread	Ventura	2/5/2000	21.90	Y	N
11101554	0411101554	H. & S. 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	H. & S.	Northern	Silverthread	Ventura	10/1/1991	30.25	Y	N
11101555	0411101555	H. & S. 2	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	H. & S.	Northern	Silverthread	Ventura	10/1/1991	30.25	Y	N
11101571	0411101571	Well No. 2	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	9/1/2017	4.34	N	N
11101598	0411101598	Well No. 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	1/1/1978	44.00	Y	N
11101600	0411101600	Dull 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Ojai	520	Dull	Northern	Silverthread	Ventura	7/21/2002	19.45	Y	N
11102769	0411102769	Maple Creek 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Sespe	694	Maple Creek	Northern	Tar Creek-Topatopa	Ventura	3/1/1991	30.84	Y	N
11102770	0411102770	Maple Creek 2	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Sespe	694	Maple Creek	Northern	Tar Creek-Topatopa	Ventura	3/1/1991	30.84	Y	N
11102771	0411102771	Maple Creek 3	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Sespe	694	Maple Creek	Northern	Tar Creek-Topatopa	Ventura	3/1/1991	30.84	Y	N
11102774	0411102774	Sunset 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Sespe	694	Sunset	Northern	Foot of The Hills	Ventura	3/1/1991	30.84	Y	N
11104141	0411104141	Torrey 9	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	9/1/1977	44.34	Y	N
11104143	0411104143	Torrey 11	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11104148	0411104148	Torrey 16	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	2/1/1902	119.92	Y	N
11104168	0411104168	Torrey 36	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	8/1/1993	28.42	Y	N
11104171	0411104171	Torrey 39	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	8/1/1993	28.42	Y	N
11104172	0411104172	Torrey 40	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	8/1/1993	28.42	Y	N
11104186	0411104186	Torrey 55	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	11/1/1977	44.17	Y	N
11104190	0411104190	Torrey 59	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Torrey Canyon	784	Torrey	Northern	Any Area	Ventura	7/1/1906	115.51	Y	N
11121656	0411121656	Alamo 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Sespe	694	Alamo	Northern	Little Sespe Creek	Ventura	7/20/2002	19.45	Y	N
11121825	0411121825	Thirty Six 1	P3875	Freeport-McMoRan Oil & Gas LLC	Oil & Gas	Sespe	694	Thirty Six	Northern	Foot of The Hills	Ventura	9/1/2007	14.34	Y	N
11121118	0411121118	S 16	P4325	PRE Resources, LLC	Oil & Gas	Fillmore	246	S	Northern	Any Area	Ventura	5/1/2000	21.67	Y	N
11101180	0411101180	Freeman 1	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	11/1/2021	0.17	N	N
11101181	0411101181	Freeman 2	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	12/1/2019	2.09	N	N
11101182	0411101182	Freeman 3	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	1/1/2008	14.00	Y	N
11101183	0411101183	Freeman 5	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	12/1/2019	2.09	N	N
11101185	0411101185	Freeman 7	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	11/1/2021	0.17	N	N
11101186	0411101186	Freeman 8	R1375	Res-Tech, Inc.	Water Disposal	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	11/1/2021	0.17	N	N
11101187	0411101187	Freeman 9	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Freeman	Northern	Sulphur Mountain	Ventura	11/1/2021	0.17	N	N
11101556	0411101556	Weldon Canyon 1	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Weldon Canyon	Northern	Weldon Canyon	Ventura	12/1/2018	3.09	N	N
11101557	0411101557	Weldon Canyon 2	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Weldon Canyon	Northern	Weldon Canyon	Ventura	9/1/2017	4.34	N	N
11120490	0411120490	Weldon Canyon 6	R1375	Res-Tech, Inc.	Oil & Gas	Ojai	520	Weldon Canyon	Northern	Weldon Canyon	Ventura	10/1/2017	4.25	N	N
11101527	0411101527	Hobson 5	R2805	Rincon Island Limited Partnership	Oil & Gas	Rincon	600	Hobson	Northern	Onshore	Ventura	10/1/1991	30.25	Y	N
11120331	0411120331	A. E. Sloan 103	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	A. E. Sloan	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11120411	0411120411	Hol-Har 1	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Hol-Har	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11120489	0411120489	Hol-Har 3	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Hol-Har	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11120576	0411120576	Hol-Har 4	S0255	SMG Oil, LLC	Water Disposal	Eureka Canyon	242	Hol-Har	Northern	Any Area	Ventura	1/1/2019	3.00	N	N
11120689	0411120689	Hol-Har 7	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Hol-Har	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11120713	0411120713	Hol-Har 7A	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Hol-Har	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11120960	0411120960	Sloan 2X	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Sloan	Northern	Any Area	Ventura	3/1/2010	11.84	Y	N
11121147	0411121147	Sloan 4X	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Sloan	Northern	Any Area	Ventura	3/1/2019	2.84	N	N
11121177	0411121177	Sloan 7X	S0255	SMG Oil, LLC	Oil & Gas	Eureka Canyon	242	Sloan	Northern	Any Area	Ventura	6/1/2021	0.59	N	N
11102732	0411102732	Well No. 2	S2750	Sespe Lease, Inc.	Oil & Gas	Sespe	694	Well No.	Northern	Little Sespe Creek	Ventura	8/1/2012	9.42	Y	N
11102734	0411102734	Well No. 4	S2750	Sespe Lease, Inc.	Oil & Gas	Sespe	694	Well No.	Northern	Little Sespe Creek	Ventura	8/1/2012	9.42	Y	N
11102735	0411102735	Well No. 5	S2750	Sespe Lease, Inc.	Oil & Gas	Sespe	694	Well No.	Northern	Little Sespe Creek	Ventura	8/1/2012	9.42	Y	N
11102736	0411102736	Well No. 7	S2750	Sespe Lease, Inc.	Oil & Gas	Sespe	694	Well No.	Northern	Little Sespe Creek	Ventura	8/1/2012	9.42	Y	N
11102737	0411102737	Well No. 8	S2750	Sespe Lease, Inc.	Oil & Gas	Sespe	694	Well No.	Northern	Little Sespe Creek	Ventura	8/1/2012	9.42	Y	N
11120759	0411120759	JR 7	S3950	Silver Exploration Company	Oil & Gas	Ojai	520	JR	Northern	Sisar Creek	Ventura	1/1/2020	2.00	N	N
11100993	0411100993	TS 23	S3950	Silver Exploration Company	Oil & Gas	Ojai	520	TS	Northern	Sisar Creek	Ventura	8/1/2019	2.42	N	N
11100966	0411100966	BS 55	S3950	Silver Exploration Company	Oil & Gas	Ojai	520	BS	Northern	Sisar Creek	Ventura	12/1/2018	3.09	N	N
11100962	0411100962	SS 5	S3950	Silver Exploration Company	Oil & Gas	Ojai	520	SS	Northern	Sisar Creek	Ventura	4/1/1988	33.75	Y	N
11102202	0411102202	KS 2	S3950	Silver Exploration Company	Oil & Gas	Ojai	520	KS	Northern	Sisar Creek	Ventura	11/1/1986	35.17	Y	N
11105470	0411105470	C. & H. 5	S4567	South Fork Ranch, LLC	Waterflood	West Mountain	830	C. & H.	Northern	Any Area	Ventura	9/1/1980	41.33	Y	N
11105474	0411105474	C. & H. 9	S4567	South Fork Ranch, LLC	Waterflood	West Mountain	830	C. & H.	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11105477	0411105477	C. & H. 13	S4567	South Fork Ranch, LLC	Waterflood	West Mountain	830	C. & H.	Northern	Any Area	Ventura	1/1/1981	41.00	Y	N
11105481	0411105481	Converse 2	S4567	South Fork Ranch, LLC	Oil & Gas	West Mountain	830	Converse	Northern	Any Area	Ventura	7/1/1937	84.51	Y	N
11105483	0411105483	Converse 4	S4567	South Fork Ranch, LLC	Oil & Gas	West Mountain	830	Converse	Northern	Any Area	Ventura	1/1/2009	13.00	Y	N
11105484	0411105484	Converse 5	S4567	South Fork Ranch, LLC	Oil & Gas	West Mountain	830	Converse	Northern	Any Area	Ventura	10/1/1998	23.25	Y	N
11121810	0411121810	Well No. 1	T0050	Tapo Oil Co.	Dry Hole	Tapo Canyon, South	746	Well No.	Northern	Any Area	Ventura	8/15/2002	19.38	Y	N
11121811	0411121811	Well No. 2	T0050	Tapo Oil Co.	Dry Hole	Tapo Canyon, South	746	Well No.	Northern	Any Area	Ventura	8/15/2002	19.38	Y	N
11120773	0411120773	Merchants 2	T0125	TB Properties	Oil & Gas	Sespe	694	Merchants	Northern	Foot of The Hills	Ventura	10/1/2016	5.25	N	N
11120840	0411120840	Merchants 3	T0125	TB Properties	Oil & Gas	Sespe	694	Merchants	Northern	Foot of The Hills	Ventura	11/1/2015	6.17	N	N
11121069	0411121069	USL-Rogers 1	T0240	TPC Operating Inc.	Oil & Gas	Del Valle	198	USL-Rogers	Northern	Main	Ventura	4/1/1988	33.75	Y	N
11102185	0411102185	So. Mountain FB I Unit 7	T1200	The Termo Company	Water Source	South Mountain	714	So. Mountain FB I Unit	Northern	Main	Ventura	1/1/2001	21.00	Y	N
11102186	0411102186	Sence 9	T1200	The Termo Company	Water Source	South Mountain	714	Sence	Northern	Main	Ventura	6/1/2002	19.59	Y	N
11103151	0411103151	So. Mountain FB I Unit 2	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	6/1/1982	39.59	Y	N
11103152	0411103152	Sence 3	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103154	0411103154	So. Mountain FB I Unit 5	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103155	0411103155	So. Mountain FB I Unit 6	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103156	0411103156	Sence 8	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	6/1/2017	4.59	N	N
11103157	0411103157	Sence 10	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	4/1/2014	7.75	N	N
11103158	0411103158	So. Mountain FB I Unit 11	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	8/1/2010	11.42	Y	N
11103159	0411103159	So. Mountain FB I Unit 12	T1200	The Termo Company	Waterflood	South Mountain	714	So. Mountain FB I Unit	Northern	Main	Ventura	1/1/1979	43.00	Y	N
11103160	0411103160	Sence 13	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	8/1/2021	0.42	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11103162	0411103162	So. Mountain FB I Unit 15	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	4/1/2018	3.75	N	N
11103164	0411103164	So. Mountain FB I Unit 17	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	1/1/2018	4.00	N	N
11103168	0411103168	So. Mountain FB IV Unit S-21	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB IV Unit	Northern	Any Area	Ventura	7/1/2021	0.50	N	N
11103172	0411103172	So. Mountain FB IV Unit S-25	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB IV Unit	Northern	Any Area	Ventura	4/1/2014	7.75	N	N
11103174	0411103174	So. Mountain FB IV Unit S-27	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB IV Unit	Northern	Any Area	Ventura	6/1/2017	4.59	N	N
11103175	0411103175	So. Mountain FB I Unit 28	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103178	0411103178	Sence 30	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	10/1/2017	4.25	N	N
11103179	0411103179	Sence 31	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103182	0411103182	Sence 35	T1200	The Termo Company	Oil & Gas	South Mountain	714	Sence	Northern	Any Area	Ventura	12/1/2000	21.08	Y	N
11103334	0411103334	So. Mountain FB I Unit 113	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	1/1/1979	43.00	Y	N
11103335	0411103335	So. Mountain FB I Unit 114	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	7/1/1982	39.51	Y	N
11103338	0411103338	So. Mountain FB I Unit 117	T1200	The Termo Company	Oil & Gas	South Mountain	714	So. Mountain FB I Unit	Northern	Any Area	Ventura	2/1/1984	37.92	Y	N
11120079	0411120079	McCormick W.I. 3	T1200	The Termo Company	Waterflood	South Mountain	714	McCormick W.I.	Northern	Main	Ventura	3/1/1986	35.84	Y	N
11120086	0411120086	Sence W.I. 38	T1200	The Termo Company	Waterflood	South Mountain	714	Sence W.I.	Northern	Main	Ventura	4/1/1981	40.75	Y	N
11121112	0411121112	Sulphur Crest 8-13	T1200	The Termo Company	Oil & Gas	Ojai	520	Sulphur Crest	Northern	Sulphur Crest	Ventura	1/1/2020	2.00	N	N
11121137	0411121137	Sence 39	T1200	The Termo Company	Water Source	South Mountain	714	Sence	Northern	Any Area	Ventura	7/1/1984	37.50	Y	N
11122074	0411122074	Sulphur Crest 104-23	T1200	The Termo Company	Oil & Gas	Ojai	520	Sulphur Crest	Northern	Sulphur Crest	Ventura	9/1/2015	6.34	N	N
11100942	0411100942	Ojai 25	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	8/1/1990	31.42	Y	N
11100944	0411100944	Ojai 27	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	9/1/1990	31.34	Y	N
11100956	0411100956	Ojai 48	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Sisar Creek	Ventura	9/1/1994	27.34	Y	N
11101002	0411101002	Ojai 4	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	1/1/2000	22.00	Y	N
11101007	0411101007	Ojai 9	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	1/1/1979	43.00	Y	N
11101009	0411101009	Ojai 11	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	11/1/1986	35.17	Y	N
11101011	0411101011	Ojai 13	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	8/1/1990	31.42	Y	N
11101016	0411101016	Ojai 18	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	1/1/2020	2.00	N	N
11101022	0411101022	Ojai 40	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ojai	520	Ojai	Northern	Silverthread	Ventura	1/1/2020	2.00	N	N
11101465	0411101465	Black 103	T2305	Thompson Oil Company, Inc.	Oil & Gas	Ramona	586	Black	Northern	Any Area	Ventura	8/1/2019	2.42	N	N
11102727	0411102727	Richardson Ranch 2	T2305	Thompson Oil Company, Inc.	Oil & Gas	South Mountain	714	Richardson Ranch	Northern	Any Area	Ventura	12/1/2009	12.09	Y	N
11103195	0411103195	National Richardson Ranch 1	T2305	Thompson Oil Company, Inc.	Oil & Gas	South Mountain	714	National Richardson Ranch	Northern	Any Area	Ventura	1/1/2021	1.00	N	N
11100334	0411100334	Elkins 2-1	T2425	Thompco Inc.	Oil & Gas	Bardsdale	036	Elkins	Northern	Any Area	Ventura	1/1/2008	14.00	Y	N
11100337	0411100337	Elkins 8	T2425	Thompco Inc.	Oil & Gas	Bardsdale	036	Elkins	Northern	Any Area	Ventura	6/1/2009	12.59	Y	N
11100353	0411100353	Elkins 3	T2425	Thompco Inc.	Oil & Gas	Bardsdale	036	Elkins	Northern	Any Area	Ventura	6/1/2014	7.59	N	N
11100354	0411100354	Elkins 4	T2425	Thompco Inc.	Waterflood	Bardsdale	036	Elkins	Northern	Any Area	Ventura	12/1/2019	2.09	N	N
11101461	0411101461	Orduno 6	T2425	Thompco Inc.	Oil & Gas	Ramona	586	Orduno	Northern	Any Area	Ventura	11/1/2004	17.17	Y	N
11101599	0411101599	Well No. 3	U0200	Union Oil Company of California	Oil & Gas	Ojai	520	Well No.	Northern	Lion Mountain	Ventura	1/1/1978	44.00	Y	N
11102348	0411102348	Adams 10	U0200	Union Oil Company of California	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11102356	0411102356	Adams 18	U0200	Union Oil Company of California	Oil & Gas	Santa Paula (ABD)	670	Adams	Northern	Any Area	Ventura	7/20/2002	19.45	Y	N
11102384	0411102384	Anlauf 1	U0200	Union Oil Company of California	Oil & Gas	Santa Paula (ABD)	670	Anlauf	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11106302	0411106302	Anlauf 2	U0200	Union Oil Company of California	Oil & Gas	Santa Paula (ABD)	670	Anlauf	Northern	Any Area	Ventura	6/30/2002	19.51	Y	N
11106356	0411106356	Maquire 1	U0200	Union Oil Company of California	Dry Hole	Any Field	000	Maquire	Northern	Any Area	Ventura	7/21/2002	19.45	Y	N
11106447	0411106447	Bardsdale-Bell 8	U0200	Union Oil Company of California	Oil & Gas	Bardsdale	036	Bardsdale-Bell	Northern	Any Area	Ventura	7/21/2002	19.45	Y	N
11106455	0411106455	Pirie 2	U0200	Union Oil Company of California	Oil & Gas	Ojai	520	Pirie	Northern	Lion Mountain	Ventura	7/21/2002	19.45	Y	N
11106456	0411106456	Pirie 3	U0200	Union Oil Company of California	Oil & Gas	Ojai	520	Pirie	Northern	Lion Mountain	Ventura	7/21/2002	19.45	Y	N
11121813	0411121813	Well No. 1	U0200	Union Oil Company of California	Oil & Gas	Any Field	000	Well No.	Northern	Any Area	Ventura	5/1/2002	19.67	Y	N
11121822	0411121822	Sunset 1A	U0200	Union Oil Company of California	Dry Hole	Sespe	694	Sunset	Northern	Little Sespe Creek	Ventura	5/1/2002	19.67	Y	N
11121826	0411121826	Twilight 16	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Twilight	Northern	Little Sespe Creek	Ventura	7/20/2002	19.45	Y	N
11121827	0411121827	Twilight 20	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Twilight	Northern	Little Sespe Creek	Ventura	7/20/2002	19.45	Y	N
11121875	0411121875	Los Angeles 1A	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Los Angeles	Northern	Foot of The Hills	Ventura	7/21/2002	19.45	Y	N
11121876	0411121876	Los Angeles 4	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Los Angeles	Northern	Foot of The Hills	Ventura	6/21/2002	19.53	Y	N
11121877	0411121877	Los Angeles 5	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Los Angeles	Northern	Foot of The Hills	Ventura	6/21/2002	19.53	Y	N
11121878	0411121878	Los Angeles 6	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Los Angeles	Northern	Foot of The Hills	Ventura	6/21/2002	19.53	Y	N
11121879	0411121879	Los Angeles 7	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Los Angeles	Northern	Foot of The Hills	Ventura	6/21/2002	19.53	Y	N
11121886	0411121886	Tar Creek 3	U0200	Union Oil Company of California	Oil & Gas	Sespe	694	Tar Creek	Northern	Foot of The Hills	Ventura	6/21/2002	19.53	Y	N
11100741	0411100741	J. D. McGrath 1	V0150	Vaca Energy, LLC	Oil & Gas	Montalvo, West	476	J. D. McGrath	Northern	Onshore	Ventura	5/1/2017	4.67	N	N
11100742	0411100742	J. D. McGrath 2	V0150	Vaca Energy, LLC	Water Disposal	Montalvo, West	476	J. D. McGrath	Northern	Onshore	Ventura	3/1/2020	1.84	N	N
11100744	0411100744	Montalvo Injection 1	V0150	Vaca Energy, LLC	Waterflood	Montalvo, West	476	Montalvo Injection	Northern	Onshore	Ventura	8/1/2002	19.42	Y	N
11100745	0411100745	Montalvo Unit 1 1	V0150	Vaca Energy, LLC	Oil & Gas	Montalvo, West	476	Montalvo Unit 1	Northern	Onshore	Ventura	3/1/2020	1.84	N	N

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API 8	API 10	Designation	Oper. Code	Operator	Current Type	Field	Field Code	Lease Name	District	Area	County	Idle Start Date	Years Idle	Is LTIW (Y or N)	Unsatisfactory
11121011	0411121011	Bailard-Kraemer 1	V0150	Vaca Energy, LLC	Oil & Gas	Montalvo, West	476	Bailard-Kraemer	Northern	Onshore	Ventura	2/1/1986	35.92	Y	N
11121288	0411121288	West Montalvo 2	V0150	Vaca Energy, LLC	Oil & Gas	Montalvo, West	476	West Montalvo	Northern	Onshore	Ventura	4/1/1995	26.75	Y	N
11100308	0411100308	Elkins 2	V0725	Vaquero Energy, Inc.	Oil & Gas	Bardsdale	036	Elkins	Northern	Any Area	Ventura	3/1/2002	19.84	Y	N
11106440	0411106440	Foster 4	V1300	Victory Oil Company LLC	Oil & Gas	Ventura	814	Foster	Northern	Any Area	Ventura	7/21/2002	19.45	Y	N
11103802	0411103802	Hill 1	Y0050	Yoelin Family Trust	Oil & Gas	South Mountain	714	Hill	Northern	Any Area	Ventura	8/1/2018	3.42	N	N
11103803	0411103803	Hill 2	Y0050	Yoelin Family Trust	Oil & Gas	South Mountain	714	Hill	Northern	Any Area	Ventura	9/1/2004	17.33	Y	N

Date of Hearing: April 4, 2016

ASSEMBLY COMMITTEE ON NATURAL RESOURCES

Das Williams, Chair

AB 2729
(Williams) - As Introduced February 19, 2016

SUBJECT: Oil and gas: operations

SUMMARY: Increases idle oil and gas well fees and indemnity bonds to provide a disincentive for operators to maintain large numbers of idle wells.

EXISTING LAW:

1) Requires the state's Oil and Gas Supervisor (Supervisor) to supervise the drilling, operation, maintenance, and abandonment of wells and the operation, maintenance, and removal or abandonment of tanks and facilities attendant to oil and gas production.
2) Defines "idle well" as any well that has not produced oil or natural gas or had not been used for injection for six consecutive months of continuous operation during the last five or more years.

3) Defines "long-term idle well" as any well that has not produced oil or natural gas or has not been used for injection for six consecutive months of continuous operation during the last 10 or more years.

4) Requires an operator to file an individual indemnity bond with the Supervisor to secure the state against all losses, charges, and expenses for each well drilled, redrilled, deepened, or permanently altered for the following amounts:

   a) $25,000 for each well that is less than 10,000 feet deep; and,

   b) $40,000 for each well that is 10,000 or more feet deep.

5) Requires the bond to be filed at the time of the filing of the notice of intention to perform work on the well.

6)Allows an operator to file with the Supervisor one blanket indemnity bond to cover 20 or more wells instead of individual indemnity bonds. Requires the bond to be the following amounts:

a) $200,000 for 20 to 50 wells;

b) $400,000 for over 50 wells; and,

c) $2,000,000 for over 20 wells and can include idle wells (known as a super blanket bond).

7)Requires an operator who has not filed a super blanket bond to do one of the following:

a) File with the Supervisor annual fees for the following amounts:

i) $100 for each idle well that has been idle for less than 10 years;

ii) $250 for each idle well that has been idle for 10 years or longer, but less than 15 years; and

iii) $500 for each idle well that has been idle for 15 years or longer.

b) Provide an escrow account with $5,000 for each idle well and fund that account with $500 each year for each idle well to the Supervisor for plugging and abandoning the operator's idle wells. File with the Supervisor an indemnity bond for $5,000 for each idle well.

8)Specifies that the funds in the escrow account may be released by the Supervisor for wells that have been properly plugged and abandoned, returned to production or injection, or converted to an active observation well.

9)Allows any individual or blanket indemnity bond to be terminated or canceled when the well or wells covered by the bond have been properly completed (made ready for production) or abandoned.

10)Prohibits an operator from undertaking any work on a hazardous well or an idle-deserted well unless the mineral rights owner consents, in writing, to the work plan.

THIS BILL:

1)Defines "idle well" as any well that has had six consecutive months of not producing oil or natural gas or being used for injection. Specifies that an idle well does not include a well used to inject or withdraw gas from an underground storage facility.

2)Defines "long-term idle well" as any well that has been an idle well for five or more years.

3)Requires that abandoned underground personal property of an operator becomes the property of the mineral interest owner.

4)Requires an operator to file an individual indemnity bond with the Supervisor to secure the state against all losses, charges, and expenses for each well drilled, redrilled, deepened, or permanently altered, on or after January 1, 2018, for the following amounts:

   a) $50,000 for each well that is less than 10,000 feet deep; and,

   b) $80,000 for each well that is 10,000 or more feet deep.

5)Allows an operator to file one blanket indemnity bond with the Supervisor to cover 20 or more wells instead of individual indemnity bonds. Requires, on January 1, 2018, the bond to be the following amounts:

   a) $400,000 for 20 to 50 wells; and

   b) $2,000,000 for over 50 wells.

6)Eliminates, on or after January 1, 2018, the option for an operator to file a super blanket bond.

7)Requires an operator, on January 1, 2018 and after, to do one of the following:

   a) File with the Supervisor annual fees for the following amounts:

      i) $500 for each idle well that has been idle for less than 3 years;

      ii) $2,000 for each idle well that has been idle for 3 years or longer, but less than 5 years;

iii) $5,000 for each idle well that has been idle for 5 years or longer, but less than 10 years; and,

iv) $10,000 for each idle well that has been idle for 10 years or longer.

b) File a plan with the Supervisor for approval to provide for the management of all long-term idle wells that eliminates all long-term idle wells in no more than five years.

8)Eliminates, on or after January 1 2018, the option for an operator to provide an escrow account and indemnity bond to the Supervisor instead of paying annual fees.

9)Requires, on or after January 1, 2018, a well to be properly abandoned before an individual or blanket indemnity bond can be terminated or canceled.

10)Authorizes a party to plug and abandon a hazardous well or a deserted idle well by obtaining all necessary rights to the well.

FISCAL EFFECT: Unknown

COMMENTS:

1)Background. DOGGR was created in 1915 to supervise the drilling, operation, maintenance, and plugging and abandonment of onshore and offshore oil, gas, and geothermal wells. California is in the top five oil producing states in the country and produced over 200 million barrels of oil in 2014. There has been concern that DOGGR has had too much focus regulating production practices based on what will increase hydrocarbon recovery. This focus has been at the cost of protection of groundwater, occupational safety, and public health. A 2011 United States Environmental Protection Agency (US EPA) audit of DOGGR's Underground Injection Control (UIC) program implementation concluded that DOGGR was misclassifying underground sources of drinking water and doing an insufficient job monitoring the UIC program. In addition, the US EPA audit stated that idle well rules needed to be strengthened and bonding requirements may not be adequate. In October 2015, DOGGR released its "Renewal Plan for Oil and Gas

Regulation," which outlines reforms DOGGR will undertake with the goal of having "an effective regulatory program that

ensures the protection of public health and the environment in the oil fields of California." One issue DOGGR has identified as needing improvement is reducing the large inventory of idle wells.

2)Idle Wells. California has approximately 20,000 idle oil and gas wells that have been idle for over five years and would be classified as long-term idle wells by this bill. The number of idle wells statewide continues to increase annually despite fluctuations in oil prices. While operators have legitimate economic reasons for idling wells in the short term, current fees and bond requirements provide little incentive to reduce inventory of idle wells. Of the 20,000 idle wells in California, 50% have been idle for more than 10 years; nearly 25% have been idle for 25 years or more.

Idle wells can pose a risk to the environment and public health. Improperly maintained well casings can rust or crack, allowing contaminants such as uranium, lead, iron, selenium, sulfates, and radon to enter into freshwater formations. Improperly maintained wells can also leak methane, a potent greenhouse gas. Due to groundwater overdraft and other factors, California is experiencing increased instances of subsidence, which is the gradual caving in or sinking of an area of land. The resulting shifts in the earth can cause well casings to crack or collapse, resulting in contamination to surrounding areas. Unlike wells being produced, where operators will likely see changes in production levels if a leak or damage occurs, leaks or damage to idle wells may go unnoticed. Testing of wells that are not producing or injecting is not required until the well officially becomes idle after five years.

The longer a well remains idle, the more likely it is to be

deserted by the operator. Leaving idle wells in this state can threaten the environment and public health, and, if deserted, present a significant cost for the state to plug and abandon wells and remediate any environmental damage. Idle wells often become "orphan wells" in cases where the responsible party either cannot be identified or is no longer financially capable of covering the costs of plugging and abandonment. Orphan wells can deteriorate underground over time. The state is responsible for plugging and abandoning orphan wells; DOGGR has already plugged and abandoned over a 1,000 orphan wells. Orphaned wells in Ohio and Texas account for one fifth of the incidences of oil and gas groundwater contamination.

3)THIS BILL. According to the DOC:

This bill will create disincentives for operators to maintain large idle well inventories, will ensure that funds are available to plug and abandon idle wells in the event that they are deserted, and will help improve public perception of oil and gas operations.

Currently, operators are allowed to post super blanket bonds and avoid all annual fees or escrow account requirements. A super blanket bond can cover all of an operator's active and idle wells, and there is no obligation on the operator to reduce their stock of idle wells. Over 60% of wells are covered by a super blanket bond. Chevron has a super-blanket bond that covers 4,422 idle wells. Operators can also get their bonds terminated after a well is ready for production,

which leaves no bond in place in case the well is never plugged and abandoned. Lack of incentives for operators to manage their inventory of idle wells has caused that inventory to increase over time. If operators leave the state or go bankrupt, the state could potentially be left with tens of

millions of dollars in costs plugging and abandoning orphan wells.

This bill attempts to manage this problem by making it more costly to leave wells idle for long periods of time and only allows operators to avoid fees if they develop a plan to reduce their stock of idle wells. Operators are given one year after the effective date of the bill to decide whether to pay increased fees or develop a plan. Plans are required to be aggressive in reducing the stock of long-term idle wells and are based on how many long-term idle wells an operator has. Producers with less than 10 long-term idle wells are only required to eliminate at least one idle well per year. Producers with between 101 and 250 long-term idle wells are required to eliminate at least 60 long-term idle wells per year. Producers with over 250 long-term idle wells must eliminate at least 25% of their long-term idle wells each year. This could lead to thousands of long-term idle wells being plugged and abandoned each year. This bill will subject more idle wells to testing requirements to avoid contamination. The additional revenue generated by the increased fees in the bill will also reduce the chances of the state having to spend state funds to plug and abandon wells. Finally, this bill provides landowners with an option to properly plug and abandon orphan wells on their property so they can reclaim the land for other purposes. The bill excludes wells used to inject or withdraw gas from an underground storage facility from the idle well definition. There are wells in underground storage facilities that have been idle for long periods. However, wells in those facilities are not used continuously like injection or production wells. The author and committee may wish to amend the bill to strike this exclusion and, as the bill moves forward, work on a separate idle well definition for wells in underground storage facilities.

4)Prior/Related Legislation.
AB 1882 (Williams, 2016) requires the State Water Resources Control Board (SWRCB) or the appropriate regional water quality control board (RWQCB) to review and concur with any UIC project subject to review or approval. This bill allows SWRCB or the

appropriate RWQCB to propose additional requirements for a project, including groundwater monitoring. This bill is scheduled to be heard by this committee on April 4, 2016.

AB 2756 (Thurmond, 2016) enhances DOGGR's penalty and investigative authority and allows penalties to be spent on environmentally beneficial projects. This bill is scheduled to be heard by this committee on April 4, 2016.

SB 248 (Pavley, 2015) requires DOGGR to review and update its regulations, data management practices, and enhance required reporting. This bill prohibits the use of oil sumps after July 1, 2017. This bill also prohibits injection chemicals, unless DOGGR has complete information about specified properties and potential groundwater impacts. This bill is in the Assembly Appropriations Committee.

SB 665 (Wolk, Chapter 315, Statutes of 2013) increased bond amounts that oil and gas operators are required to file with the Supervisor when submitting a notice of intention to drill a well.

AB 1960 (Nava, Chapter 562, Statutes of 2008) substantially strengthened and clarified DOGGR's authority to regulate oil and gas production facilities. This bill imposed additional

requirements on operators to minimize frequency and severity of oil spills, and authorized DOGGR to impose life-of-well and life-of-facility bonding on operators under specified circumstances. This bill also increased maximum penalties that DOGGR may impose from $5,000 to $25,000 per violation.

5)Double Referral. This bill has been double referred to Assembly Environmental Safety and Toxic Materials Committee.

REGISTERED SUPPORT / OPPOSITION:

Support

Department of Conservation (sponsor)

Azul

California Coastal Protection Network

California League of Conservation Voters
Center for Environmental Health
Citizens Coalition for a Safe Community
Clean Water Action
Earthworks
Environmental Defense Center
Environmental Defense Fund
Environmental Working Group

Fresnans Against Fracking

Grassroots Coalition
Natural Resources Defense Council
Santa Barbara County Board of Supervisors

Save the Sespe
Surfrider Foundation
The Wildlands Conservancy

Opposition

California Chamber of Commerce

California Independent Petroleum Association

California Manufacturers & Technology Association
Western States Petroleum Association

Analysis Prepared by:Michael Jarred / NAT. RES. / (916) 319-2092

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	3	Canceled	DH	Dry Hole	3633	H. C. Turnh	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28698	-118.7021	hud	N	N		CanceledDH
-1	4.11E+08	Well No.	4	Canceled	DH	Dry Hole	5204	Lancaster N	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	25W	SB	34.37585	-119.473	hud	N	N		CanceledDH
-1	4.11E+08	Temescal	50-3	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Any Field	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.45409	-118.7496	Operator	N	N		CanceledOG
-1	4.11E+08	?		Idle	OG	Oil & Gas	6029	Monarch O	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44477	-118.9192	hud	N	N		IdleOG
-1	4.11E+08	Lease by Pa		Idle	DH	Dry Hole	6716	Paxton Gol	Any Field	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.43314	-119.0711	hud	N	N		IdleDH
-1	4.11E+08	?		Idle	OG	Oil & Gas	6038	Montana P	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44044	-118.9152	hud	N	N		IdleOG
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	823	Black Pearl	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.40728	-118.8936	hud	N	N		IdleDH
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	9192	Whittier Fil	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.39932	-118.8927	hud	N	N		IdleDH
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	1572	Chicago Fe	Any Field	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.4318	-119.0765	hud	N	N		IdleDH
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	3482	Golden We	Any Field	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41015	-118.9049	hud	N	N		IdleDH
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	9192	Whittier Fil	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.39851	-118.8933	hud	N	N		IdleDH
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	2012	D. S. White	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.39976	-118.8946	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	8687	Utah Califo	Any Field	Any Area	Fillmore	Northern	Ventura	29	04N	19W	SB	34.3941	-118.8939	hud	N	N		IdleDH
-1	4.11E+08	Mahannah	1	Idle	DH	Dry Hole	2664	Energy Exp	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	19W	SB	34.34007	-118.9084	Well Summ	N	N	10/12/1976	IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	432	Arizona Oil	Any Field	Any Area	Ventura County	Northern	Ventura	13	04N	20W	SB	34.43119	-118.9212	hud	N	N		IdleDH
-1	4.11E+08	Lease by O	1	Idle	DH	Dry Hole	6368	Oak Ridge (	Any Field	Any Area	Ventura County	Northern	Ventura	6	04N	18W	SB	34.46261	-118.8126	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	1672	Cline & Cle	Any Field	Any Area	Simi Valley	Northern	Ventura	14	02N	18W	SB	34.25102	-118.7405	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	6411	Oil King Oil	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	19W	SB	34.45662	-118.8266	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.37112	-118.8492	hud	N	N		IdleOG
-1	4.11E+08	Flanagan	1	Idle	OG	Oil & Gas	1909	Crinklaw, S	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	17W	SB	34.28727	-118.6746	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	2458	E. R. Carey	Any Field	Any Area	Ventura County	Northern	Ventura	5	03N	23W	SB	34.36321	-119.3082	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	3503	Gordon Oil	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.38735	-119.305	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	9420	W. W. Lang	Any Field	Any Area	Ventura County	Northern	Ventura	12	03N	21W	SB	34.35515	-119.041	hud	N	Y		IdleOG
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	1387	Carleton, N	Any Field	Any Area	Ventura County	Northern	Ventura	13	01N	21W	SB	34.16439	-119.0352	hud	N	N		IdleDH
-1	4.11E+08	Big Chief	1	Idle	DH	Dry Hole	545	B. A. Laselli	Any Field	Any Area	Ventura County	Northern	Ventura	5	05N	19W	SB	34.54198	-118.8975	hud	N	N		IdleDH
-1	4.11E+08	Vaqueros	1	Idle	OG	Oil & Gas	2511	Eastern Int	Any Field	Any Area	Ventura County	Northern	Ventura	17	05N	19W	SB	34.51532	-118.8854	Well Summ	N	N	12/5/1963	IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	1920	Crown Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.45028	-118.9189	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	519	Austin Wel	Any Field	Any Area	Simi Valley	Northern	Ventura	4	02N	18W	SB	34.28559	-118.7771	hud	N	N		IdleDH
-1	4.11E+08	Maquire	1	Idle	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.36867	-118.7121	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	3633	H. C. Turnh	Any Field	Any Area	Simi Valley	Northern	Ventura	12	02N	18W	SB	34.26619	-118.711	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	3503	Gordon Oil	Any Field	Any Area	Ventura	Northern	Ventura	4	02N	23W	SB	34.28171	-119.3011	hud	N	N		IdleDH
-1	4.11E+08	Lease by Sa	1	Idle	DH	Dry Hole	7655	Santa Clara	Any Field	Any Area	Ventura County	Northern	Ventura	20	04N	20W	SB	34.4218	-119.0072	hud	N	N	1/15/1917	IdleDH
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	154	Adams Dril	Any Field	Any Area	Ventura County	Northern	Ventura	2	09N	24W	SB	34.89223	-119.4073	Well Summ	N	N	1/1/1917	IdleOG
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	674	Beach Oil	Any Field	Any Area	Ventura County	Northern	Ventura	8	04N	19W	SB	34.44443	-118.8949	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	5888	Mex Cal Oi	Any Field	Any Area	Thousand Oaks	Northern	Ventura	12	01N	20W	SB	34.18981	-118.9248	hud	N	N		IdleDH
-1	4.11E+08	Union	1	Idle	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.37108	-118.849	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	259	Alpine Petr	Any Field	Any Area	Ventura County	Northern	Ventura	15	01N	21W	SB	34.16907	-119.0701	hud	N	N		IdleDH
-1	4.11E+08	Ferro	1	Idle	DH	Dry Hole	L0100	L & M Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	22W	SB	34.26927	-119.1593	Well Summ	N	N	6/27/1974	IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	5077	L. E. Belger	Any Field	Any Area	Ventura County	Northern	Ventura	12	01N	21W	SB	34.18006	-119.042	Well Summ	N	N	8/29/1922	IdleDH
-1	4.11E+08	Core Hole	1	Idle	CH	Core Hole	7362	Robert Can	Any Field	Any Area	Ventura County	Northern	Ventura	17	02N	18W	SB	34.25475	-118.7912	hud	N	N		IdleCH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	6946	Progressive	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	17W	SB	34.29294	-118.6894	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	4840	K. A. P. Oil	Any Field	Any Area	Ventura County	Northern	Ventura	28	03N	20W	SB	34.31653	-118.9754	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	3671	H. L. & W.P	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18734	-119.0179	hud	N	N		IdleDH
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	5204	Lancaster N	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	25W	SB	34.37574	-119.4736	hud	N	N		IdleDH
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	967	Buena Vist	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18684	-119.0173	hud	N	N		IdleDH
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	5204	Lancaster N	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	25W	SB	34.37603	-119.4731	hud	N	N		IdleDH
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	154	Adams Dril	Any Field	Any Area	Ventura County	Northern	Ventura	2	09N	24W	SB	34.88949	-119.4089	Well Summ	N	N	3/22/1920	IdleDH
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	6411	Oil King Oil	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	19W	SB	34.45717	-118.8256	hud	N	N		IdleDH
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	293	America Oi	Any Field	Any Area	Camarillo	Northern	Ventura	22	02N	20W	SB	34.23587	-118.9686	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	81	A. J. Singer	Any Field	Any Area	Camarillo	Northern	Ventura	28	02N	20W	SB	34.22734	-118.9873	hud	N	N		IdleDH
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	3503	Gordon Oil	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.387	-119.3047	hud	N	N		IdleDH
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	415	Arctic Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	5	04N	24W	SB	34.4528	-119.4109	hud	N	N		IdleDH
-1	4.11E+08	Well No.	3	Idle	DH	Dry Hole	3503	Gordon Oil	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.38637	-119.3044	hud	N	N		IdleDH
-1	4.11E+08	Well No.	3	Idle	DH	Dry Hole	5204	Lancaster N	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	25W	SB	34.37556	-119.4734	hud	N	N		IdleDH
-1	4.11E+08	Well No.	4	Idle	DH	Dry Hole	5204	Lancaster N	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	25W	SB	34.37562	-119.4731	hud	N	N		IdleDH
-1	4.11E+08	Well No.	G-1	Idle	OG	Oil & Gas	3951	Henry Rens	Any Field	Any Area	Simi Valley	Northern	Ventura	20	02N	18W	SB	34.24591	-118.7889	Well Summ	N	N	7/22/1933	IdleOG
-1	4.11E+08	Lease by W	Unknown	Idle	OG	Oil & Gas	9074	Webfoot O	Any Field	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44137	-118.8907	hud	N	N		IdleOG
-1	4.11E+08	Lease by M		Plugged	DH	Dry Hole	5790	McCray Bro	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	18W	SB	34.39445	-118.7895	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ve		Plugged	DH	Dry Hole	8752	Ventura Co	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	18W	SB	34.40358	-118.7897	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Sa		Plugged	DH	Dry Hole	7598	San Caetan	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	19W	SB	34.46548	-118.8263	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ve		Plugged	DH	Dry Hole	8759	Ventura Oi	Any Field	Any Area	Ventura County	Northern	Ventura	20	04N	20W	SB	34.41908	-119.005	hud	N	N	01/01/1893	PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	1918	Crown King	Any Field	Any Area	Ventura County	Northern	Ventura	12	04N	18W	SB	34.44516	-118.7143	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	8640	Union Con	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.40598	-118.8934	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	9192	Whittier Fil	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.39924	-118.8927	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	1923	Crude Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	20W	SB	34.42073	-118.923	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	2959	Flagstaff Oi	Any Field	Any Area	Ventura County	Northern	Ventura	12	04N	20W	SB	34.44881	-118.9356	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	3782	Hardison &	Any Field	Any Area	Ventura County	Northern	Ventura	1	03N	23W	SB	34.37262	-119.2349	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	1567	Cheseboro	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	21W	SB	34.38224	-119.0633	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	823	Black Pearl	Any Field	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41016	-118.9048	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	9422	Young & Gi	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.4038	-118.898	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	2012	D. S. White	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.39967	-118.8945	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	9192	Whittier Fil	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.3984	-118.8933	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	9514	Southland	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	19W	SB	34.40918	-118.862	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.40312	-118.8597	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	3482	Golden We	Any Field	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41135	-118.9067	hud	N	N		PluggedDH
-1	4.11E+08	?	?	Plugged	DH	Dry Hole	8754	Ventura Co	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	23W	SB	34.35189	-119.311	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	8640	Union Cons	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.40601	-118.8936	hud	N	N		PluggedDH
-1	4.11E+08	Honolulu-S	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	25W	SB	34.37994	-119.447	hud	N	N	12/16/1946	PluggedDH
-1	4.11E+08	Delwiche-D	1	Plugged	DH	Dry Hole	T1400	Tesoro Pet	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	25W	SB	34.39203	-119.4453	hud	N	N		PluggedDH
-1	4.11E+08	McCown U	1	Plugged	DH	Dry Hole	J1200	Johnson Oi	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	24W	SB	34.40344	-119.4088	hud	N	N		PluggedDH
-1	4.11E+08	Woodrow	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	4	03N	24W	SB	34.36417	-119.4084	hud	N	N	4/11/1932	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4433	J. M. Keller	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	24W	SB	34.35661	-119.396	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6049	Montecito	Any Field	Any Area	Ventura County	Northern	Ventura	13	04N	25W	SB	34.42141	-119.4442	hud	N	N		PluggedDH
-1	4.11E+08	Blue Diamc	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	10	09N	24W	SB	34.87726	-119.4209	hud	N	N	2/10/1952	PluggedDH
-1	4.11E+08	McDivitt	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	20W	SB	34.30839	-118.9509	hud	N	N		PluggedDH
-1	4.11E+08	Pagenkopp	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	11	04N	20W	SB	34.43843	-118.9497	hud	N	N		PluggedDH
-1	4.11E+08	Everett	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	23	02N	20W	SB	34.24924	-118.9487	hud	N	N		PluggedDH
-1	4.11E+08	Boylan	1	Plugged	DH	Dry Hole	4806	JP Oil Co.	Any Field	Any Area	Ventura County	Northern	Ventura	23	01S	20W	SB	34.06132	-118.9464	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	20W	SB	34.26083	-118.9448	hud	N	N		PluggedDH
-1	4.11E+08	Hardison	1	Plugged	DH	Dry Hole	1635	Claran Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	20W	SB	34.4127	-118.9609	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2860	F. O. Wood	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	20W	SB	34.35699	-118.9599	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Thousand Oaks	Northern	Ventura	36	02N	20W	SB	34.21853	-118.9356	hud	N	N		PluggedDH
-1	4.11E+08	Janss	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Thousand Oaks	Northern	Ventura	36	02N	20W	SB	34.2175	-118.9303	hud	N	N		PluggedDH
-1	4.11E+08	Johnson	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	24	03N	20W	SB	34.32948	-118.9223	hud	N	N		PluggedDH
-1	4.11E+08	Maynard	1	Plugged	DH	Dry Hole	214	Alford Drill	Any Field	Any Area	Ventura County	Northern	Ventura	18	04N	19W	SB	34.4234	-118.9198	hud	N	N		PluggedDH
-1	4.11E+08	Homburg	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	19W	SB	34.39134	-118.9123	hud	N	N		PluggedDH
-1	4.11E+08	Glad	1	Plugged	DH	Dry Hole	A4700	Austin Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	19W	SB	34.34155	-118.9103	hud	N	N		PluggedDH
-1	4.11E+08	Gabbert	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	6	02N	19W	SB	34.28959	-118.91	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6417	Oil Search (	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	19W	SB	34.39729	-118.8921	hud	N	N		PluggedDH
-1	4.11E+08	Faulkner	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	20	04N	19W	SB	34.41389	-118.8913	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7714	Schmidt As	Any Field	Any Area	Ventura County	Northern	Ventura	29	03N	19W	SB	34.3192	-118.8896	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3923	Henderson	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	19W	SB	34.25478	-118.9018	hud	N	N		PluggedDH
-1	4.11E+08	Baldwin-Cc	1	Plugged	DH	Dry Hole	4674	John Baldw	Any Field	Any Area	Ventura County	Northern	Ventura	5	05N	19W	SB	34.54966	-118.9	hud	N	N		PluggedDH
-1	4.11E+08	Beesum	1	Plugged	DH	Dry Hole	695	Beesum Oil	Any Field	Any Area	Ventura County	Northern	Ventura	5	05N	19W	SB	34.55828	-118.8987	hud	N	N		PluggedDH
-1	4.11E+08	Shiells	1	Plugged	DH	Dry Hole	3841	Harry C. Lo	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	19W	SB	34.38044	-118.8967	hud	N	N		PluggedDH
-1	4.11E+08	Shomy	1	Plugged	DH	Dry Hole	7833	Shomy Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	19W	SB	34.37982	-118.8872	hud	N	N		PluggedDH
-1	4.11E+08	Strathearn	1	Plugged	DH	Dry Hole	6753	Petco Oil	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	19W	SB	34.34102	-118.8828	hud	N	N		PluggedDH
-1	4.11E+08	Little Siberi	1	Plugged	DH	Dry Hole	646	Barney Cor	Any Field	Any Area	Ventura County	Northern	Ventura	22	08N	19W	SB	34.76464	-118.8789	hud	N	N		PluggedDH
-1	4.11E+08	Janss	1	Plugged	DH	Dry Hole	1803	Conejo Hill	Any Field	Any Area	Thousand Oaks	Northern	Ventura	33	02N	19W	SB	34.21191	-118.8767	hud	N	N		PluggedDH
-1	4.11E+08	Petit	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	20W	SB	34.35491	-118.9794	hud	N	N		PluggedDH
-1	4.11E+08	Black	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	12	04N	18W	SB	34.44492	-118.7141	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7877	Simi Oil & F	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	18W	SB	34.28139	-118.7135	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	210	Alexander	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	17W	SB	34.28873	-118.6809	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3449	Glenn A. M	Any Field	Any Area	Ventura County	Northern	Ventura	28	04N	18W	SB	34.4058	-118.7733	hud	N	N		PluggedDH
-1	4.11E+08	Miley & Bu	1	Plugged	DH	Dry Hole	8070	State Cons	Any Field	Any Area	Simi Valley	Northern	Ventura	4	02N	18W	SB	34.28566	-118.778	hud	N	N		PluggedDH
-1	4.11E+08	Eureka	1	Plugged	DH	Dry Hole	8555	Tri-Field Pr	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	18W	SB	34.39444	-118.7847	hud	N	N		PluggedDH
-1	4.11E+08	Montgome	1	Plugged	DH	Dry Hole	5490	Luther T. M	Any Field	Any Area	Simi Valley	Northern	Ventura	21	02N	18W	SB	34.24977	-118.765	hud	N	N		PluggedDH
-1	4.11E+08	Camulos Ra	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	18W	SB	34.41134	-118.7599	hud	N	N		PluggedDH
-1	4.11E+08	Lisk	1	Plugged	DH	Dry Hole	2120	Delroy Petr	Any Field	Any Area	Ventura County	Northern	Ventura	22	05N	18W	SB	34.50487	-118.7571	hud	N	N		PluggedDH
-1	4.11E+08	Riggs Ranc	1	Plugged	DH	Dry Hole	A4400	Atlantic Oil	Any Field	Any Area	Ventura County	Northern	Ventura	11	04N	18W	SB	34.44814	-118.7357	hud	N	N		PluggedDH
-1	4.11E+08	Didio-Jeani	1	Plugged	DH	Dry Hole	4633	Jess C. Barr	Any Field	Any Area	Simi Valley	Northern	Ventura	2	02N	18W	SB	34.28354	-118.7285	hud	N	N		PluggedDH
-1	4.11E+08	Ricoute	1	Plugged	DH	Dry Hole	4633	Jess C. Barr	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	18W	SB	34.28512	-118.7247	hud	N	N		PluggedDH
-1	4.11E+08	Moran	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	19W	SB	34.46621	-118.8252	hud	N	N		PluggedDH
-1	4.11E+08	Schroder	1	Plugged	DH	Dry Hole	3950	Henry R. D	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	19W	SB	34.27127	-118.8322	hud	N	N		PluggedDH
-1	4.11E+08	Core Hole	1	Plugged	CH	Core Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	19W	SB	34.38445	-118.8315	hud	N	N		PluggedCH
-1	4.11E+08	Erbe	1	Plugged	DH	Dry Hole	1804	Conejo Oil	Any Field	Any Area	Thousand Oaks	Northern	Ventura	35	02N	19W	SB	34.21201	-118.8344	hud	N	N		PluggedDH
-1	4.11E+08	McGuire	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.3763	-118.835	hud	N	N		PluggedDH
-1	4.11E+08	Camulos Ra	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	20	04N	18W	SB	34.41275	-118.7886	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8574	Triunfo Oil	Any Field	Any Area	Thousand Oaks	Northern	Ventura	24	01N	19W	SB	34.15316	-118.8168	hud	N	N		PluggedDH
-1	4.11E+08	Laura Lawt	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	19W	SB	34.39204	-118.8521	hud	N	N	8/2/1967	PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Parvenir	1	Plugged	DH	Dry Hole	8032	St. Louis Oi	Any Field	Any Area	Ventura County	Northern	Ventura	14	04N	19W	SB	34.42356	-118.8491	hud	N	N		PluggedDH
-1	4.11E+08	L & G	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.41509	-118.8478	hud	N	N		PluggedDH
-1	4.11E+08	Lawton	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.40742	-118.8586	hud	N	N		PluggedDH
-1	4.11E+08	Hertel-Woo	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	14	02N	22W	SB	34.25763	-119.166	GPS	N	Y	5/30/1980	PluggedOG
-1	4.11E+08	Shell-Humb	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura	Northern	Ventura	2	02N	22W	SB	34.2778	-119.1657	hud	N	N		PluggedDH
-1	4.11E+08	Lambert	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Oxnard	Northern	Ventura	15	02N	22W	SB	34.24924	-119.1699	GPS	N	N		PluggedDH
-1	4.11E+08	Madarp	1	Plugged	DH	Dry Hole	5518	M. A. Field:	Any Field	Any Area	Ventura County	Northern	Ventura	1	07N	22W	SB	34.72928	-119.1639	hud	N	N	10/5/1966	PluggedDH
-1	4.11E+08	Louise A. G	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura	Northern	Ventura	3	02N	22W	SB	34.27869	-119.1785	hud	N	N		PluggedDH
-1	4.11E+08	Richfield-Si	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	27	02N	22W	SB	34.23274	-119.1749	hud	N	N		PluggedDH
-1	4.11E+08	Hearne-Wa	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	22W	SB	34.29619	-119.1743	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	9297	Wilson Pet	Any Field	Any Area	Ventura County	Northern	Ventura	17	03N	22W	SB	34.29136	-119.18	hud	N	N		PluggedDH
-1	4.11E+08	Terry	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Oxnard	Northern	Ventura	6	01N	22W	SB	34.19223	-119.2199	hud	N	N		PluggedDH
-1	4.11E+08	Haydock	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.25641	-119.2138	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy	1	Plugged	DH	Dry Hole	6368	Oak Ridge (	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.2562	-119.2102	hud	N	N		PluggedDH
-1	4.11E+08	Alvin Gisler	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura	Northern	Ventura	2	02N	22W	SB	34.28813	-119.1579	hud	N	N		PluggedDH
-1	4.11E+08	Vanoni	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura	Northern	Ventura	2	02N	22W	SB	34.28066	-119.1518	hud	N	N		PluggedDH
-1	4.11E+08	Vanoni	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	11	02N	22W	SB	34.27577	-119.1505	hud	N	N	5/18/1928	PluggedDH
-1	4.11E+08	Limoneira	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	22W	SB	34.31324	-119.1499	hud	N	N		PluggedDH
-1	4.11E+08	Jones	1	Plugged	DH	Dry Hole	W0050	Wainoco O	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	22W	SB	34.25067	-119.234	hud	N	Y		PluggedDH
-1	4.11E+08	Good	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	23W	SB	34.38149	-119.2396	hud	N	N	12/3/1955	PluggedDH
-1	4.11E+08	Newton	1	Plugged	DH	Dry Hole	7654	Santa Clara	Any Field	Any Area	Ventura County	Northern	Ventura	10	04N	21W	SB	34.44513	-119.0705	hud	N	N		PluggedDH
-1	4.11E+08	Jansen	1	Plugged	DH	Dry Hole	4570	James Jans	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.39885	-119.0693	hud	N	N		PluggedDH
-1	4.11E+08	Tarver-Voll	1	Plugged	DH	Dry Hole	1095	C. G. Perry	Any Field	Any Area	Ventura County	Northern	Ventura	2	06N	21W	SB	34.64115	-119.0782	hud	N	N		PluggedDH
-1	4.11E+08	Unknown	1	Plugged	DH	Dry Hole	4722	John Lloyd	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	21W	SB	34.28362	-119.1085	hud	N	N		PluggedDH
-1	4.11E+08	McGrath 1	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	29	02N	21W	SB	34.2206	-119.1108	hud	N	N		PluggedDH
-1	4.11E+08	Foote	1	Plugged	DH	Dry Hole	6007	M J M & M	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	21W	SB	34.2984	-119.1047	hud	N	N		PluggedDH
-1	4.11E+08	Cuyama-Pi	1	Plugged	DH	Dry Hole	9299	Wilson-Pet	Any Field	Any Area	Ventura County	Northern	Ventura	28	07N	21W	SB	34.67108	-119.1039	hud	N	N		PluggedDH
-1	4.11E+08	Pierce	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	20	02N	21W	SB	34.24423	-119.1033	hud	N	N		PluggedDH
-1	4.11E+08	Friedrich 1	1	Plugged	DH	Dry Hole	5370	Lloyd Corp	Any Field	Any Area	Ventura County	Northern	Ventura	30	02N	21W	SB	34.22665	-119.1247	hud	N	N		PluggedDH
-1	4.11E+08	Coffman	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	21W	SB	34.2501	-119.1216	hud	N	N		PluggedDH
-1	4.11E+08	Franco We	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Camarillo	Northern	Ventura	21	02N	21W	SB	34.24162	-119.0947	hud	N	N		PluggedDH
-1	4.11E+08	Brother	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	16	02N	21W	SB	34.25327	-119.0943	hud	N	N		PluggedDH
-1	4.11E+08	Shumate-S	1	Plugged	DH	Dry Hole	7241	Reserve Oil	Any Field	Any Area	Camarillo	Northern	Ventura	28	02N	21W	SB	34.22923	-119.0917	hud	N	N		PluggedDH
-1	4.11E+08	S. P. S. Nor	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Santa Paula	Northern	Ventura	21	03N	21W	SB	34.33361	-119.0844	hud	N	Y		PluggedDH
-1	4.11E+08	Hoffman	1	Plugged	DH	Dry Hole	1631	CL&E Corp	Any Field	Any Area	Ventura County	Northern	Ventura	12	03N	24W	SB	34.35107	-119.3429	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6519	Ozark Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	17	07N	23W	SB	34.70356	-119.3408	hud	N	N		PluggedDH
-1	4.11E+08	Solimar-S.F	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County Offshore	Northern	Ventura	25	03N	24W	SB	34.30524	-119.3503	hud	N	N		PluggedDH
-1	4.11E+08	F.G. Dunsh	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	23W	SB	34.41507	-119.3255	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3481	Golden We	Any Field	Any Area	Ventura	Southern	Ventura	9	02N	23W	SB	34.27532	-119.298	hud	N	N		PluggedDH
-1	4.11E+08	Canet	1	Plugged	DH	Dry Hole	7323	Rio Grande	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	23W	SB	34.35094	-119.2934	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1080	C. E. Brain	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	23W	SB	34.35094	-119.2932	hud	N	N		PluggedDH
-1	4.11E+08	State 3403	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Southern	Ventura	22	03N	24W	SB	34.32177	-119.3828	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2634	Elmer B. St	Any Field	Any Area	Ventura County	Northern	Ventura	30	09N	23W	SB	34.83643	-119.376	hud	N	N		PluggedDH
-1	4.11E+08	Dunshee-O	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	26	04N	24W	SB	34.39492	-119.3609	hud	N	N		PluggedDH
-1	4.11E+08	Camarillo	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Camarillo	Northern	Ventura	29	02N	20W	SB	34.22713	-119.0049	hud	N	N		PluggedDH
-1	4.11E+08	McCulloch-	1	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Any Field	Any Area	Ventura County	Northern	Ventura	31	03N	20W	SB	34.30396	-119.0096	hud	N	Y		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2855	F. M. Hewl	Any Field	Any Area	Ventura County	Northern	Ventura	19	02N	20W	SB	34.2442	-119.0088	hud	N	N		PluggedDH
-1	4.11E+08	McBean	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	20W	SB	34.2962	-118.9959	hud	N	N	5/24/1945	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2337	E. A. Parkfc	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.28687	-118.9931	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.29019	-118.9926	hud	N	N		PluggedDH
-1	4.11E+08	Fasshauer	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.28589	-118.9921	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8762	Ventura Oil	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18767	-119.0152	hud	N	N		PluggedDH
-1	4.11E+08	McFarland	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	21W	SB	34.25592	-119.031	hud	N	N		PluggedDH
-1	4.11E+08	Terry	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	1	02N	21W	SB	34.287	-119.0299	hud	N	N		PluggedDH
-1	4.11E+08	Somis Unit	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	12	02N	21W	SB	34.26775	-119.0292	hud	N	Y		PluggedDH
-1	4.11E+08	Boosey	1	Plugged	DH	Dry Hole	2558	Edward M.	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	20W	SB	34.38063	-119.0223	hud	N	N		PluggedDH
-1	4.11E+08	Boosey	1	Plugged	DH	Dry Hole	4611	Jeff J. Step	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	20W	SB	34.38872	-119.0201	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3695	H. M. John	Any Field	Any Area	Ventura County	Northern	Ventura	13	01N	21W	SB	34.16355	-119.0363	hud	N	N		PluggedDH
-1	4.11E+08	Rancho Las	1	Plugged	DH	Dry Hole	4777	Joseph B. D	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	21W	SB	34.25297	-119.0577	hud	N	N		PluggedDH
-1	4.11E+08	Vanderkarr	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Santa Paula	Northern	Ventura	2	03N	21W	SB	34.3697	-119.0521	hud	N	N		PluggedDH
-1	4.11E+08	Tassano	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	23	02N	21W	SB	34.24537	-119.0485	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1805	Conejo Oil	Any Field	Any Area	Ventura County	Northern	Ventura	14	01N	21W	SB	34.16672	-119.0477	hud	N	N		PluggedDH
-1	4.11E+08	Lewis Ranc	1	Plugged	DH	Dry Hole	891	BP Explora	Any Field	Any Area	Ventura County	Northern	Ventura	11	01N	21W	SB	34.17772	-119.045	hud	N	N		PluggedDH
-1	4.11E+08	Moorpark	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	21	03N	19W	SB	34.33677	-118.8782	hud	N	N		PluggedDH
-1	4.11E+08	G-S	1	Plugged	DH	Dry Hole	6217	Nepture Oi	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	19W	SB	34.34322	-118.874	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Smith Ranc	1	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	28	04N	19W	SB	34.39894	-118.8736	hud	N	N		PluggedDH
-1	4.11E+08	McMahan	1	Plugged	DH	Dry Hole	6067	Morgan Br	Any Field	Any Area	Ventura County	Northern	Ventura	29	01N	19W	SB	34.14703	-118.8942	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7219	Reeves Ayl	Any Field	Any Area	Ventura County	Northern	Ventura	20	04N	19W	SB	34.42163	-118.8876	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4963	Kerr Broth	Any Field	Any Area	Ventura County	Northern	Ventura	20	03N	19W	SB	34.32767	-118.8887	hud	N	N		PluggedDH
-1	4.11E+08	Houston &	1	Plugged	DH	Dry Hole	545	B. A. Lasell	Any Field	Any Area	Ventura County	Northern	Ventura	5	05N	19W	SB	34.54437	-118.8981	hud	N	N		PluggedDH
-1	4.11E+08	Associated	1	Plugged	DH	Dry Hole	489	Associated	Any Field	Any Area	Ventura County	Northern	Ventura	5	05N	19W	SB	34.556	-118.8993	hud	N	N		PluggedDH
-1	4.11E+08	McCampbe	1	Plugged	DH	Dry Hole	8765	Ventura So	Any Field	Any Area	Ventura County	Northern	Ventura	19	03N	19W	SB	34.33521	-118.9036	hud	N	N		PluggedDH
-1	4.11E+08	Burson	1	Plugged	DH	Dry Hole	8868	W. E. McCa	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.42032	-118.9147	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3473	Golden Gat	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44252	-118.9128	hud	N	N		PluggedOG
-1	4.11E+08	Roco-G.P. A	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41089	-118.911	hud	N	N		PluggedDH
-1	4.11E+08	Goodenouş	1	Plugged	DH	Dry Hole	4537	Jahn's Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	18	04N	19W	SB	34.42944	-118.9197	hud	N	N		PluggedDH
-1	4.11E+08	Janss-Com	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Thousand Oaks	Northern	Ventura	6	01N	19W	SB	34.20269	-118.9186	hud	N	N		PluggedDH
-1	4.11E+08	Goodenouş	1	Plugged	DH	Dry Hole	214	Alford Drill	Any Field	Any Area	Ventura County	Northern	Ventura	18	04N	19W	SB	34.4234	-118.9178	hud	N	N		PluggedDH
-1	4.11E+08	Berywood	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	36	03N	20W	SB	34.30111	-118.9247	hud	N	N		PluggedDH
-1	4.11E+08	Fillmore Co	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.41624	-118.9243	hud	N	Y		PluggedDH
-1	4.11E+08	Burket	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	23	02N	20W	SB	34.24551	-118.95	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ju	1	Plugged	DH	Dry Hole	4829	Justic Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	11	01N	20W	SB	34.1861	-118.9493	hud	N	N		PluggedDH
-1	4.11E+08	La Dera	1	Plugged	DH	Dry Hole	8451	Thornbury,	Any Field	Any Area	Ventura County	Northern	Ventura	11	03N	20W	SB	34.35887	-118.9442	hud	N	N		PluggedDH
-1	4.11E+08	Sun-Standa	1	Plugged	DH	Dry Hole	8398	The Sun Dr	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	20W	SB	34.25223	-118.9442	hud	N	Y		PluggedDH
-1	4.11E+08	King	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	20W	SB	34.3846	-118.9439	hud	N	N		PluggedDH
-1	4.11E+08	Howarth	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	20W	SB	34.37503	-118.9393	hud	N	N	2/23/1960	PluggedDH
-1	4.11E+08	Hardison R	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	20W	SB	34.40322	-118.957	hud	N	N		PluggedDH
-1	4.11E+08	Santa Paul	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	10	04N	20W	SB	34.44883	-118.9559	hud	N	N		PluggedDH
-1	4.11E+08	Van Couve	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	15	03N	20W	SB	34.34835	-118.9596	hud	N	N		PluggedDH
-1	4.11E+08	Sdx-NLF La	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	9	02N	20W	SB	34.27464	-118.9833	hud	N	N		PluggedDH
-1	4.11E+08	Las Posas C	1	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	4	02N	20W	SB	34.28256	-118.9797	hud	N	N		PluggedOG
-1	4.11E+08	Sespe	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	33	04N	20W	SB	34.38484	-118.9738	hud	N	N		PluggedDH
-1	4.11E+08	Daniels	1	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	20W	SB	34.35422	-118.9714	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1218	Calif.-Wyor	Any Field	Any Area	Thousand Oaks	Northern	Ventura	22	01N	20W	SB	34.15756	-118.9691	hud	N	N		PluggedDH
-1	4.11E+08	Hughes	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	22	03N	20W	SB	34.32971	-118.9629	hud	N	N		PluggedDH
-1	4.11E+08	Newhall La	1	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	17W	SB	34.38	-118.707	hud	N	N		PluggedDH
-1	4.11E+08	Calabasas	1	Plugged	DH	Dry Hole	6451	Olympic Co	Any Field	Any Area	Ventura County	Northern	Ventura	18	01N	17W	SB	34.1694	-118.7095	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8023	S-S Syndica	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28016	-118.7051	hud	N	N		PluggedDH
-1	4.11E+08	Wiekhorst	1	Plugged	DH	Dry Hole	1413	Carrillo Exp	Any Field	Any Area	Simi Valley	Northern	Ventura	11	02N	18W	SB	34.27786	-118.733	hud	N	N		PluggedDH
-1	4.11E+08	Larinan	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	18W	SB	34.42333	-118.7252	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	706	Bell View C	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	18W	SB	34.45621	-118.725	hud	N	N	10/28/1926	PluggedDH
-1	4.11E+08	Newll-Lattr	1	Plugged	DH	Dry Hole	8871	W. E. Newe	Any Field	Any Area	Simi Valley	Northern	Ventura	14	02N	18W	SB	34.25942	-118.7402	hud	N	N		PluggedDH
-1	4.11E+08	Runkle	1	Plugged	DH	Dry Hole	9073	Webb Oil C	Any Field	Any Area	Simi Valley	Northern	Ventura	14	02N	18W	SB	34.2524	-118.7351	hud	N	N		PluggedDH
-1	4.11E+08	Palo Coma	1	Plugged	DH	Dry Hole	5290	Leroy C. Gc	Any Field	Any Area	Ventura County	Northern	Ventura	15	01N	18W	SB	34.17607	-118.7448	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6861	Piru Monar	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	18W	SB	34.42291	-118.7654	hud	N	N		PluggedDH
-1	4.11E+08	Lisk	1	Plugged	DH	Dry Hole	3448	Glen Ogles	Any Field	Any Area	Ventura County	Northern	Ventura	21	05N	18W	SB	34.50851	-118.7648	hud	N	N		PluggedDH
-1	4.11E+08	Rubel	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	18W	SB	34.40858	-118.7591	hud	N	N		PluggedDH
-1	4.11E+08	A. E. Sloan,	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	18W	SB	34.39904	-118.7564	hud	N	N		PluggedDH
-1	4.11E+08	McCulloch	1	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Any Field	Any Area	Ventura County	Northern	Ventura	28	04N	18W	SB	34.40097	-118.7779	hud	N	N		PluggedDH
-1	4.11E+08	Reichbach	1	Plugged	DH	Dry Hole	1669	Clifford I. M	Any Field	Any Area	Ventura County	Northern	Ventura	21	05N	18W	SB	34.50578	-118.7762	hud	N	N		PluggedDH
-1	4.11E+08	Griffin	1	Plugged	DH	Dry Hole	6432	Ojai Pacific	Any Field	Any Area	Ventura County	Northern	Ventura	21	05N	18W	SB	34.50622	-118.7754	hud	N	N		PluggedDH
-1	4.11E+08	C. S. Johnsc	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	30	04N	18W	SB	34.40189	-118.8111	hud	N	N		PluggedDH
-1	4.11E+08	Bowman	1	Plugged	DH	Dry Hole	3813	Harold S. C	Any Field	Any Area	Ventura County	Northern	Ventura	12	02N	19W	SB	34.27222	-118.8158	hud	N	N		PluggedDH
-1	4.11E+08	Union-Gett	1	Plugged	DH	Dry Hole	U0250	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33477	-118.7981	hud	N	N		PluggedDH
-1	4.11E+08	Baker-Hunt	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	18W	SB	34.3872	-118.807	hud	N	N	2/20/1954	PluggedDH
-1	4.11E+08	Real C.H.	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.42053	-118.8034	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2337	E. A. Parkfc	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	18W	SB	34.28434	-118.7913	hud	N	N		PluggedDH
-1	4.11E+08	Camulos Ra	1	Plugged	DH	Dry Hole	C4400	Central Cal	Any Field	Any Area	Ventura County	Northern	Ventura	20	04N	18W	SB	34.41256	-118.7886	hud	N	N		PluggedDH
-1	4.11E+08	Robertson	1	Plugged	DH	Dry Hole	5769	May Drillin	Any Field	Any Area	Ventura County	Northern	Ventura	17	02N	18W	SB	34.2536	-118.7886	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3682	H. L. S. Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	19W	SB	34.39215	-118.8484	hud	N	N		PluggedDH
-1	4.11E+08	Moreland I	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	19W	SB	34.30165	-118.8541	hud	N	N		PluggedDH
-1	4.11E+08	Studley-Bir	1	Plugged	DH	Dry Hole	467	Arthur R. S	Any Field	Any Area	Moorpark	Northern	Ventura	3	02N	19W	SB	34.28945	-118.857	hud	N	N		PluggedDH
-1	4.11E+08	Lynn	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	19W	SB	34.41246	-118.8525	hud	N	N		PluggedDH
-1	4.11E+08	Hapcamp	1	Plugged	DH	Dry Hole	3777	Hapcamp, I	Any Field	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.36674	-118.8212	hud	N	N		PluggedDH
-1	4.11E+08	Binns	1	Plugged	DH	Dry Hole	6173	National Ex	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	19W	SB	34.2825	-118.8182	hud	N	N		PluggedDH
-1	4.11E+08	Shell-Sunra	1	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.37683	-118.833	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	9325	Wm. G. Hel	Any Field	Any Area	Thousand Oaks	Northern	Ventura	36	02N	19W	SB	34.20849	-118.8299	hud	N	N		PluggedDH
-1	4.11E+08	Dawson	1	Plugged	DH	Dry Hole	2088	Dawson Oil	Any Field	Any Area	Simi Valley	Northern	Ventura	8	02N	17W	SB	34.27639	-118.6859	hud	N	N		PluggedDH
-1	4.11E+08	Fryer	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	17W	SB	34.35511	-118.6784	hud	N	N		PluggedDH
-1	4.11E+08	Converse	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Camarillo	Northern	Ventura	22	02N	21W	SB	34.23495	-119.0652	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Sharp et al	1	Plugged	DH	Dry Hole	I0750	Internation	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	21W	SB	34.38474	-119.0622	hud	N	N		PluggedDH
-1	4.11E+08	Powell	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	21W	SB	34.38744	-119.0688	hud	N	N		PluggedDH
-1	4.11E+08	Portillo	1	Plugged	DH	Dry Hole	8209	T. M. Gibsc	Any Field	Any Area	Ventura County	Northern	Ventura	26	04N	21W	SB	34.39427	-119.0553	hud	N	N		PluggedDH
-1	4.11E+08	Lanning Ra	1	Plugged	DH	Dry Hole	891	BP Explora	Any Field	Any Area	Ventura County	Northern	Ventura	11	01N	21W	SB	34.18298	-119.0525	hud	N	N		PluggedDH
-1	4.11E+08	Hill-Conver	1	Plugged	DH	Dry Hole	8316	The Americ	Any Field	Any Area	Ventura County	Northern	Ventura	27	03N	21W	SB	34.31026	-119.0746	hud	N	N		PluggedDH
-1	4.11E+08	Shell-Richfi	1	Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Santa Paula	Northern	Ventura	10	03N	21W	SB	34.35046	-119.0784	hud	N	N	10/6/1957	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4371	J. F. Reddic	Any Field	Any Area	Ventura County	Northern	Ventura	15	01N	21W	SB	34.17466	-119.0768	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2654	Emma F. Ex	Any Field	Any Area	Ventura County	Northern	Ventura	33	03N	21W	SB	34.292	-119.0849	hud	N	N		PluggedDH
-1	4.11E+08	Hill	1	Plugged	DH	Dry Hole	C2100	Carlsberg P	Any Field	Any Area	Ventura County	Northern	Ventura	28	03N	21W	SB	34.31786	-119.08	hud	N	N		PluggedDH
-1	4.11E+08	Jones Estat	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	22W	SB	34.25112	-119.2349	hud	N	N		PluggedDH
-1	4.11E+08	McGrath	1	Plugged	DH	Dry Hole	W0050	Wainoco O	Any Field	Any Area	Ventura	Northern	Ventura	18	02N	22W	SB	34.25573	-119.2255	hud	N	N		PluggedDH
-1	4.11E+08	Valentine	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.25328	-119.2136	hud	N	N		PluggedDH
-1	4.11E+08	Albacore	1	Plugged	DH	Dry Hole	977	Burke A. Th	Any Field	Any Area	Port Hueneme	Northern	Ventura	17	01N	22W	SB	34.17505	-119.2046	hud	N	N		PluggedDH
-1	4.11E+08	Edwin L. Ga	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.26913	-119.1831	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.26512	-119.177	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard	1	Plugged	DH	Dry Hole	6517	Oxnard Oil	Any Field	Any Area	Oxnard	Northern	Ventura	10	01N	22W	SB	34.18536	-119.1792	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy-Citi	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.27034	-119.1791	hud	N	N		PluggedDH
-1	4.11E+08	L. A. Gisler	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura	Northern	Ventura	3	02N	22W	SB	34.2799	-119.169	hud	N	N		PluggedDH
-1	4.11E+08	Petit	1	Plugged	DH	Dry Hole	6387	Oceanic Oil	Any Field	Any Area	Oxnard	Northern	Ventura	20	01N	22W	SB	34.15963	-119.1687	hud	N	N		PluggedDH
-1	4.11E+08	Richfield-St	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Oxnard	Northern	Ventura	10	01N	22W	SB	34.18622	-119.1675	hud	N	N		PluggedDH
-1	4.11E+08	Ferro	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	22W	SB	34.2714	-119.1556	hud	N	N		PluggedDH
-1	4.11E+08	McGrath-M	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	26	02N	22W	SB	34.23428	-119.1497	hud	N	N		PluggedDH
-1	4.11E+08	Hobson	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	22W	SB	34.25061	-119.1437	hud	N	N		PluggedDH
-1	4.11E+08	Montgome	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	22W	SB	34.25204	-119.1324	hud	N	N		PluggedDH
-1	4.11E+08	Plush	1	Plugged	DH	Dry Hole	5379	Lockwood '	Any Field	Any Area	Ventura County	Northern	Ventura	28	08N	21W	SB	34.74714	-119.1158	hud	N	N		PluggedDH
-1	4.11E+08	John Lloyd-	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	21W	SB	34.28474	-119.113	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd-Butle	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	21W	SB	34.2891	-119.1119	hud	N	N		PluggedDH
-1	4.11E+08	Pacific Farr	1	Plugged	DH	Dry Hole	H6150	Kenneth H.	Any Field	Any Area	Ventura County	Northern	Ventura	20	02N	21W	SB	34.23644	-119.1109	hud	N	N		PluggedDH
-1	4.11E+08	Dutton	1	Plugged	DH	Dry Hole	3272	Gene Reid	Any Field	Any Area	Ventura County	Northern	Ventura	28	08N	21W	SB	34.7534	-119.1084	hud	N	N		PluggedDH
-1	4.11E+08	Susan Adai	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	28	03N	21W	SB	34.30571	-119.0952	hud	N	N		PluggedDH
-1	4.11E+08	Shumate	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Any Field	Any Area	Camarillo	Northern	Ventura	28	02N	21W	SB	34.22871	-119.0954	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8755	Ventura Dr	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	23W	SB	34.35466	-119.2725	hud	N	N		PluggedDH
-1	4.11E+08	Hattie Russ	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	11	06N	23W	SB	34.62386	-119.2906	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8123	Summit Oil	Any Field	Any Area	Ventura County	Northern	Ventura	26	04N	23W	SB	34.39365	-119.2532	hud	N	N		PluggedOG
-1	4.11E+08	Canet	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	23W	SB	34.36045	-119.2512	hud	N	N		PluggedDH
-1	4.11E+08	W. F. Battir	1	Plugged	DH	Dry Hole	7164	Rancho Oil	Any Field	Any Area	Ventura County	Northern	Ventura	18	04N	23W	SB	34.42055	-119.3246	hud	N	N		PluggedDH
-1	4.11E+08	Hobson	1	Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	12	03N	24W	SB	34.3508	-119.342	hud	N	N		PluggedDH
-1	4.11E+08	Casitas	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	7	03N	23W	SB	34.35537	-119.3328	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1195	Cal. Counti	Any Field	Any Area	Ventura County	Northern	Ventura	7	03N	23W	SB	34.35453	-119.3369	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8157	Super Oil T	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.38573	-119.3038	hud	N	N		PluggedDH
-1	4.11E+08	Traders	1	Plugged	DH	Dry Hole	2028	Dabney & I	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	23W	SB	34.34506	-119.3028	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2458	E. R. Carey	Any Field	Any Area	Ventura County	Northern	Ventura	5	03N	23W	SB	34.36321	-119.3082	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4458	J. R. Canter	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	23W	SB	34.41256	-119.2977	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1143	C. R. Edgec	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	23W	SB	34.35047	-119.2964	hud	N	N		PluggedDH
-1	4.11E+08	USL-Meyer	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	24W	SB	34.40156	-119.384	hud	N	N		PluggedDH
-1	4.11E+08	Rains	1	Plugged	DH	Dry Hole	4828	Jupiter Oil	Any Field	Any Area	Ventura County	Northern	Ventura	12	06N	24W	SB	34.62119	-119.3727	hud	N	N		PluggedDH
-1	4.11E+08	I.M.R. Govt	1	Plugged	DH	Dry Hole	M1700	Marathon (	Any Field	Any Area	Ventura County	Northern	Ventura	30	06N	23W	SB	34.58017	-119.3524	hud	N	N		PluggedDH
-1	4.11E+08	D&B	1	Plugged	DH	Dry Hole	9517	Fred Thom	Any Field	Any Area	Ventura County	Northern	Ventura	19	07N	23W	SB	34.68203	-119.3628	hud	N	N		PluggedDH
-1	4.11E+08	Conoco-Mi	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	11	03N	24W	SB	34.35783	-119.3627	hud	N	Y		PluggedDH
-1	4.11E+08	Broome	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	29	01N	20W	SB	34.14492	-119.0051	hud	N	N		PluggedDH
-1	4.11E+08	Van	1	Plugged	DH	Dry Hole	576	B. Warren '	Any Field	Any Area	Camarillo	Northern	Ventura	29	02N	20W	SB	34.22182	-119.0048	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2842	F. H. Prathe	Any Field	Any Area	Ventura County	Northern	Ventura	8	01N	20W	SB	34.18584	-119.0059	hud	N	N		PluggedDH
-1	4.11E+08	Firestone C	1	Plugged	DH	Dry Hole	4586	James R. T	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	20W	SB	34.40006	-118.9986	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1281	Calleguas C	Any Field	Any Area	Ventura County	Northern	Ventura	6	01N	20W	SB	34.19799	-119.0173	hud	N	N		PluggedDH
-1	4.11E+08	Well No	1	Plugged	OG	Oil & Gas	3681	H. L. Lerick	Any Field	Any Area	Camarillo	Northern	Ventura	31	01N	20W	SB	34.21833	-119.0157	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2847	F. J. Cooper	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18582	-119.0153	hud	N	N		PluggedDH
-1	4.11E+08	Thomas	1	Plugged	DH	Dry Hole	C0525	Cabeen Exp	Any Field	Any Area	Camarillo	Northern	Ventura	24	02N	21W	SB	34.24323	-119.0339	hud	N	N		PluggedDH
-1	4.11E+08	Robert Bia	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	25	03N	21W	SB	34.31021	-119.0412	hud	N	N	5/28/1955	PluggedDH
-1	4.11E+08	Broome Ra	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	13	01S	21W	SB	34.08694	-119.0372	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	415	Arctic Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	8	04N	24W	SB	34.43894	-119.4096	hud	N	N		PluggedDH
-1	4.11E+08	Apache Un	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	22	08N	24W	SB	34.76814	-119.4062	hud	N	N	8/31/1949	PluggedDH
-1	4.11E+08	Honolulu-S	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	28	04N	24W	SB	34.40323	-119.4026	hud	N	Y	4/27/1954	PluggedDH
-1	4.11E+08	R.C.	1	Plugged	DH	Dry Hole	A1700	Amerada H	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	24W	SB	34.36233	-119.3881	hud	N	N		PluggedDH
-1	4.11E+08	Barrett	1	Plugged	DH	Dry Hole	2482	Eagle Oil &	Any Field	Any Area	Ventura County	Northern	Ventura	4	01N	17W	SB	34.19252	-118.6705	hud	N	N		PluggedDH
-1	4.11E+08	Anchos Rol	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	17W	SB	34.36171	-118.6871	hud	N	Y	11/13/1966	PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	McCray Brc	1	Plugged	DH	Dry Hole	5790	McCray Brc	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	17W	SB	34.35208	-118.6782	hud	N	N		PluggedDH
-1	4.11E+08	Hot Rod Fla	1	Plugged	DH	Dry Hole	6636	Pamoan Oi	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.2913	-118.6947	hud	N	N		PluggedDH
-1	4.11E+08	Paloma Ma	1	Plugged	DH	Dry Hole	6630	Paloma Oil	Any Field	Any Area	Simi Valley	Northern	Ventura	12	02N	18W	SB	34.2663	-118.7148	hud	N	N		PluggedDH
-1	4.11E+08	Barndies	1	Plugged	DH	Dry Hole	1037	C. A. Paime	Any Field	Any Area	Simi Valley	Northern	Ventura	12	02N	18W	SB	34.26474	-118.7103	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7875	Simco, Inc.	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28891	-118.7057	hud	N	N		PluggedDH
-1	4.11E+08	Larinan	1	Plugged	DH	Dry Hole	7288	Richard S. I	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	18W	SB	34.41772	-118.7152	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6862	Piru Oil anc	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.4262	-118.7645	hud	N	N		PluggedDH
-1	4.11E+08	Piru Oil anc	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42622	-118.7645	hud	N	N		PluggedDH
-1	4.11E+08	Janes	1	Plugged	DH	Dry Hole	3448	Glen Ogles	Any Field	Any Area	Ventura County	Northern	Ventura	16	05N	18W	SB	34.5117	-118.7642	hud	N	N		PluggedDH
-1	4.11E+08	Burnham	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	22	05N	18W	SB	34.50161	-118.7589	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	940	Brothers O	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	18W	SB	34.38126	-118.7552	hud	N	N		PluggedDH
-1	4.11E+08	Oceanic-M	1	Plugged	DH	Dry Hole	6387	Oceanic Oil	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	18W	SB	34.38448	-118.7525	hud	N	N		PluggedDH
-1	4.11E+08	Bob Hope	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	3	01N	18W	SB	34.19761	-118.7511	hud	N	N		PluggedDH
-1	4.11E+08	Simian	1	Plugged	DH	Dry Hole	7880	Simian Oil (	Any Field	Any Area	Simi Valley	Northern	Ventura	14	02N	18W	SB	34.2536	-118.7375	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	14	03N	18W	SB	34.34367	-118.7343	hud	N	N		PluggedDH
-1	4.11E+08	Frey	1	Plugged	DH	Dry Hole	144	Acme Petr	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.37249	-118.8492	hud	N	N	12/4/1924	PluggedDH
-1	4.11E+08	Leavens-Gc	1	Plugged	DH	Dry Hole	7998	Soverign O	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.41158	-118.8491	hud	N	N		PluggedDH
-1	4.11E+08	Frey	1	Plugged	DH	Dry Hole	766	Bestco Pet	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.3686	-118.8497	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7627	San Marinc	Any Field	Any Area	Ventura County	Northern	Ventura	10	02N	19W	SB	34.27662	-118.8517	hud	N	N		PluggedDH
-1	4.11E+08	Vail	1	Plugged	DH	Dry Hole	M1700	Marathon (	Any Field	Any Area	Ventura County	Northern	Ventura	10	02N	19W	SB	34.27201	-118.8536	hud	N	N	1/30/1940	PluggedDH
-1	4.11E+08	Calumet	1	Plugged	DH	Dry Hole	4891	Ken-Cal Oil	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	19W	SB	34.37979	-118.8617	hud	N	N		PluggedDH
-1	4.11E+08	Smith	1	Plugged	DH	Dry Hole	8696	V. A. Porte	Any Field	Any Area	Ventura County	Northern	Ventura	2	02N	19W	SB	34.28844	-118.8442	hud	N	N		PluggedDH
-1	4.11E+08	Elkins	1	Plugged	DH	Dry Hole	C4500	Central Lea	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.42168	-118.838	hud	N	N		PluggedDH
-1	4.11E+08	Barrington	1	Plugged	DH	Dry Hole	P2900	Petromine	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	19W	SB	34.38034	-118.8308	hud	N	N		PluggedDH
-1	4.11E+08	Strathearn-	1	Plugged	DH	Dry Hole	F2200	Frontier Oi	Any Field	Any Area	Ventura County	Northern	Ventura	12	02N	19W	SB	34.2748	-118.8289	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8039	Standard H	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	19W	SB	34.41043	-118.8285	hud	N	N		PluggedDH
-1	4.11E+08	Triunfo	1	Plugged	DH	Dry Hole	8573	Triunfo Exp	Any Field	Any Area	Thousand Oaks	Northern	Ventura	13	01N	19W	SB	34.16652	-118.8267	hud	N	N		PluggedDH
-1	4.11E+08	Edwards	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.41169	-118.8133	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3928	Henry D. M	Any Field	Any Area	Simi Valley	Northern	Ventura	18	02N	18W	SB	34.25676	-118.8066	hud	N	N		PluggedDH
-1	4.11E+08	C. Marvo W	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	18W	SB	34.40275	-118.7936	hud	N	N		PluggedDH
-1	4.11E+08	R. & G.	1	Plugged	DH	Dry Hole	7011	R. B. Jacksc	Any Field	Any Area	Ventura County	Northern	Ventura	17	02N	18W	SB	34.25539	-118.7896	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	H0900	E B Hall & (	Any Field	Any Area	Ventura County	Northern	Ventura	20	05N	18W	SB	34.5	-118.7838	hud	N	N		PluggedDH
-1	4.11E+08	Camulos Ra	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	18W	SB	34.41445	-118.7768	hud	N	N		PluggedDH
-1	4.11E+08	Sloan	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	28	04N	18W	SB	34.3973	-118.7751	hud	N	Y		PluggedDH
-1	4.11E+08	Rubel	1	Plugged	DH	Dry Hole	C9100	Crown Cen	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	18W	SB	34.41163	-118.7747	hud	N	N		PluggedDH
-1	4.11E+08	Simi	1	Plugged	DH	Dry Hole	3363	George L. D	Any Field	Any Area	Simi Valley	Northern	Ventura	4	02N	18W	SB	34.27988	-118.7682	hud	N	N		PluggedDH
-1	4.11E+08	Faught	1	Plugged	DH	Dry Hole	8177	Sweet Petr	Any Field	Any Area	Ventura County	Northern	Ventura	17	05N	19W	SB	34.52251	-118.8937	hud	N	N		PluggedDH
-1	4.11E+08	Lee	1	Plugged	DH	Dry Hole	8057	Stansbury,	Any Field	Any Area	Ventura County	Northern	Ventura	5	05N	19W	SB	34.54535	-118.8966	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	872	Border Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	8	05N	19W	SB	34.53632	-118.9005	hud	N	N		PluggedDH
-1	4.11E+08	Shaffer	1	Plugged	DH	Dry Hole	2863	F. R. Shaffe	Any Field	Any Area	Ventura County	Northern	Ventura	30	03N	19W	SB	34.31517	-118.9083	hud	N	N		PluggedDH
-1	4.11E+08	N. W. Arun	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	8	04N	19W	SB	34.43958	-118.9008	hud	N	N		PluggedDH
-1	4.11E+08	Richfield-T	1	Plugged	DH	Dry Hole	A4505	Atlantic Ric	Any Field	Any Area	Fillmore	Northern	Ventura	36	04N	20W	SB	34.38788	-118.9236	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1791	Community	Any Field	Any Area	Thousand Oaks	Northern	Ventura	7	01N	19W	SB	34.18525	-118.9134	hud	N	N		PluggedDH
-1	4.11E+08	Union-Wat	1	Plugged	DH	Dry Hole	A1700	Amerada H	Any Field	Any Area	Ventura County	Northern	Ventura	30	03N	19W	SB	34.31307	-118.913	hud	N	N		PluggedDH
-1	4.11E+08	Edwards	1	Plugged	DH	Dry Hole	5002	Kirk Oil Co.	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.40454	-118.8659	hud	N	N		PluggedDH
-1	4.11E+08	King	1	Plugged	DH	Dry Hole	6496	Osmore Co	Any Field	Any Area	Ventura County	Northern	Ventura	33	04N	19W	SB	34.38012	-118.8821	hud	N	N	5/23/1941	PluggedDH
-1	4.11E+08	Core Hole	1	Plugged	CH	Core Hole	3034	Frank E. Ab	Any Field	Any Area	Thousand Oaks	Northern	Ventura	33	02N	19W	SB	34.21	-118.8805	hud	N	N		PluggedCH
-1	4.11E+08	Herrington	1	Plugged	DH	Dry Hole	7253	Revo Oil Co	Any Field	Any Area	Ventura County	Northern	Ventura	28	03N	19W	SB	34.32239	-118.8794	hud	N	N		PluggedDH
-1	4.11E+08	Gill	1	Plugged	DH	Dry Hole	7442	Roy Gill & A	Any Field	Any Area	Ventura County	Northern	Ventura	20	03N	19W	SB	34.33219	-118.8906	hud	N	N		PluggedDH
-1	4.11E+08	Standard-A	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	17	04N	19W	SB	34.4296	-118.8863	hud	N	N		PluggedDH
-1	4.11E+08	Hansen	1	Plugged	DH	Dry Hole	8182	Sycamore (	Any Field	Any Area	Ventura County	Northern	Ventura	24	01N	20W	SB	34.15825	-118.9293	hud	N	N		PluggedDH
-1	4.11E+08	Dankar-Alp	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	35	03N	20W	SB	34.30252	-118.9463	hud	N	Y		PluggedDH
-1	4.11E+08	Berylwood	1	Plugged	DH	Dry Hole	7634	San Roque	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	20W	SB	34.27326	-118.9445	hud	N	Y		PluggedDH
-1	4.11E+08	Berylwood	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	20W	SB	34.26237	-118.9529	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1272	Califrill Oil	Any Field	Any Area	Ventura County	Northern	Ventura	11	03N	20W	SB	34.35099	-118.9496	hud	N	N		PluggedDH
-1	4.11E+08	Van Couve	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	15	03N	20W	SB	34.34822	-118.9603	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	81	A. J. Singer	Any Field	Any Area	Camarillo	Northern	Ventura	28	02N	20W	SB	34.22733	-118.9874	hud	N	N	2/2/1922	PluggedDH
-1	4.11E+08	Ben Schiefe	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	20W	SB	34.34019	-118.982	hud	N	N		PluggedDH
-1	4.11E+08	Las Posas C	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	4	03N	20W	SB	34.29187	-118.9799	hud	N	N	4/26/1959	PluggedDH
-1	4.11E+08	C.W. West	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	20W	SB	34.41442	-118.9741	hud	N	N		PluggedDH
-1	4.11E+08	Hunter-Ma	1	Plugged	DH	Dry Hole	3611	H & W Will	Any Field	Any Area	Ventura County	Northern	Ventura	28	03N	20W	SB	34.32096	-118.974	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5816	McKee-Bra	Any Field	Any Area	Ventura County	Northern	Ventura	5	03N	23W	SB	34.36451	-119.3067	hud	N	N		PluggedDH
-1	4.11E+08	Lang Core H	1	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	5	02N	23W	SB	34.28543	-119.3061	hud	N	N		PluggedCH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	778	Beulah Oil	Any Field	Any Area	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38403	-119.2994	hud	N	N		PluggedDH
-1	4.11E+08	Round Spri	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	32	08N	23W	SB	34.74765	-119.3422	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Casitas	1	Plugged	DH	Dry Hole	5954	Miley Petr	Any Field	Any Area	Ventura County	Northern	Ventura	12	03N	24W	SB	34.35515	-119.3489	hud	N	N		PluggedDH
-1	4.11E+08	R-S	1	Plugged	DH	Dry Hole	2468	E. S. Arnn	Any Field	Any Area	Ventura County	Northern	Ventura	24	07N	24W	SB	34.68063	-119.3675	hud	N	N		PluggedDH
-1	4.11E+08	M-T	1	Plugged	DH	Dry Hole	3127	Fred Thom	Any Field	Any Area	Ventura County	Northern	Ventura	19	07N	23W	SB	34.68184	-119.3659	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	9122	Western C	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	24W	SB	34.38261	-119.3812	hud	N	N		PluggedDH
-1	4.11E+08	Walter Sex	1	Plugged	DH	Dry Hole	8757	Ventura Ex	Any Field	Any Area	Ventura County	Northern	Ventura	31	03N	22W	SB	34.29578	-119.2296	hud	N	N		PluggedDH
-1	4.11E+08	Farrell	1	Plugged	DH	Dry Hole	2325	E. A. Bende	Any Field	Any Area	Oxnard	Northern	Ventura	5	01N	22W	SB	34.19653	-119.2106	hud	N	N		PluggedDH
-1	4.11E+08	Argabrite	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.25903	-119.2157	hud	N	N	11/2/1925	PluggedDH
-1	4.11E+08	Kellner Uni	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	6	01N	22W	SB	34.19627	-119.2188	hud	N	N		PluggedDH
-1	4.11E+08	Sexton	1	Plugged	DH	Dry Hole	S2600	Seaboard C	Any Field	Any Area	Ventura County	Northern	Ventura	31	03N	22W	SB	34.29239	-119.2188	hud	N	N		PluggedDH
-1	4.11E+08	Humble-M	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	22W	SB	34.25419	-119.2466	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd-Butle	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	12	02N	22W	SB	34.27546	-119.1358	hud	N	N		PluggedDH
-1	4.11E+08	Sudden Inv	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	36	03N	22W	SB	34.29394	-119.1371	hud	N	N		PluggedDH
-1	4.11E+08	Michler	1	Plugged	DH	Dry Hole	5649	Magu Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	25	01N	22W	SB	34.13611	-119.1407	hud	N	N		PluggedDH
-1	4.11E+08	Union-Laut	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	30	01N	21W	SB	34.13856	-119.1316	hud	N	N		PluggedDH
-1	4.11E+08	Bannon-Sil	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.16516	-119.1501	hud	N	N		PluggedDH
-1	4.11E+08	McGrath	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Oxnard	Northern	Ventura	26	02N	22W	SB	34.22432	-119.1586	hud	N	N		PluggedDH
-1	4.11E+08	Snodgrass	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	23	02N	22W	SB	34.23489	-119.1606	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard-Co	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Oxnard	Northern	Ventura	3	01N	22W	SB	34.2002	-119.176	hud	N	N		PluggedDH
-1	4.11E+08	Paul J. Leav	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	3	02N	22W	SB	34.28313	-119.1745	hud	N	N		PluggedDH
-1	4.11E+08	Thomas A.	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.27153	-119.1727	hud	N	N		PluggedDH
-1	4.11E+08	Johnson	1	Plugged	DH	Dry Hole	9017	Walter G. F	Any Field	Any Area	Oxnard	Northern	Ventura	15	01N	22W	SB	34.16771	-119.1692	hud	N	N		PluggedDH
-1	4.11E+08	Hadlen	1	Plugged	DH	Dry Hole	P2900	Petromine	Any Field	Any Area	Ventura County	Northern	Ventura	33	03N	22W	SB	34.30378	-119.1847	hud	N	N		PluggedDH
-1	4.11E+08	Beardsley	1	Plugged	DH	Dry Hole	4098	Hoyt S. Gal	Any Field	Any Area	Camarillo	Northern	Ventura	29	02N	21W	SB	34.22753	-119.0965	hud	N	N		PluggedDH
-1	4.11E+08	Shell-Stand	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	20	02N	21W	SB	34.24655	-119.0992	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5379	Lockwood '	Any Field	Any Area	Ventura County	Northern	Ventura	28	08N	21W	SB	34.74682	-119.1033	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd-Butle	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	6	02N	21W	SB	34.28374	-119.12	hud	N	N		PluggedDH
-1	4.11E+08	Broome	1	Plugged	DH	Dry Hole	8731	Van Noy Dr	Any Field	Any Area	Ventura County	Northern	Ventura	33	01N	21W	SB	34.13166	-119.0919	hud	N	N		PluggedDH
-1	4.11E+08	S.P.S. One	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	28	02N	21W	SB	34.31248	-119.0917	hud	N	N		PluggedDH
-1	4.11E+08	Hill	1	Plugged	DH	Dry Hole	6007	M J M & M	Any Field	Any Area	Ventura County	Northern	Ventura	27	03N	21W	SB	34.31447	-119.0698	hud	N	N		PluggedDH
-1	4.11E+08	Union-Banl	1	Plugged	DH	Dry Hole	K0600	G E Kadane	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	21W	SB	34.29472	-119.069	hud	N	N		PluggedDH
-1	4.11E+08	Texaco-Sec	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	15	02N	21W	SB	34.26014	-119.0684	hud	N	N		PluggedDH
-1	4.11E+08	Schuyler	1	Plugged	DH	Dry Hole	1791	Community	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	21W	SB	34.38869	-119.0721	hud	N	N		PluggedDH
-1	4.11E+08	Janss Inves	1	Plugged	DH	Dry Hole	9042	Warren Oil	Any Field	Any Area	Camarillo	Northern	Ventura	28	02N	21W	SB	34.22985	-119.0814	hud	N	N		PluggedDH
-1	4.11E+08	Hyatt	1	Plugged	DH	Dry Hole	3978	Herschel L.	Any Field	Any Area	Ventura County	Northern	Ventura	23	08N	21W	SB	34.76651	-119.0826	hud	N	N		PluggedDH
-1	4.11E+08	Lagomarsir	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.39936	-119.0382	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	379	Anson Syn	Any Field	Any Area	Camarillo	Northern	Ventura	36	02N	21W	SB	34.21405	-119.0372	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3665	H. J. Henry	Any Field	Any Area	Ventura County	Northern	Ventura	13	01N	21W	SB	34.16726	-119.0369	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3844	Harry Crink	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18276	-119.0111	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4549	James C. M	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18156	-119.0117	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3057	Frank R. Ha	Any Field	Any Area	Ventura County	Northern	Ventura	1	05N	21W	SB	34.54346	-119.0331	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3727	H. V. Gentr	Any Field	Any Area	Ventura County	Northern	Ventura	1	01N	21W	SB	34.19811	-119.0307	hud	N	N		PluggedDH
-1	4.11E+08	Irene	1	Plugged	DH	Dry Hole	7989	Southwest	Any Field	Any Area	Ventura County	Northern	Ventura	1	01N	21W	SB	34.19142	-119.0304	hud	N	N		PluggedDH
-1	4.11E+08	Camarillo	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	20W	SB	34.25317	-119.0229	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7095	R. Mausarc	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	20W	SB	34.39974	-119.0005	hud	N	N		PluggedDH
-1	4.11E+08	Culbertson	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	20W	SB	34.38694	-118.9944	hud	N	N		PluggedDH
-1	4.11E+08	Yuba Consc	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	20W	SB	34.39925	-118.9935	hud	N	N	5/29/1955	PluggedDH
-1	4.11E+08	Berylwood	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.29288	-118.9914	hud	N	N		PluggedDH
-1	4.11E+08	Shell-Bates	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	25W	SB	34.37883	-119.4674	hud	N	N		PluggedDH
-1	4.11E+08	Delwiche	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	25W	SB	34.38219	-119.4457	hud	N	N		PluggedDH
-1	4.11E+08	Adams U.S.	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	27	08N	24W	SB	34.75581	-119.4158	hud	N	N		PluggedDH
-1	4.11E+08	El Diablo La	1	Plugged	OG	Oil & Gas	4423	J. L. M. & A	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	24W	SB	34.40497	-119.4152	hud	N	N		PluggedOG
-1	4.11E+08	Tiger	1	Plugged	OG	Oil & Gas	4423	J. L. M. & A	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	24W	SB	34.4051	-119.4142	hud	N	N	12/16/1977	PluggedOG
-1	4.11E+08	Chismahoo	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	9	04N	24W	SB	34.44674	-119.3927	hud	N	N		PluggedDH
-1	4.11E+08	U.S. Snowb	1	Plugged	DH	Dry Hole	5756	Maurice T.	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	24W	SB	34.41721	-119.4396	hud	N	N		PluggedDH
-1	4.11E+08	Thompson	1	Plugged	DH	Dry Hole	8448	Thompson	Any Field	Any Area	Ventura County	Northern	Ventura	8	08N	24W	SB	34.79992	-119.4363	hud	N	N		PluggedDH
-1	4.11E+08	Rincon Inve	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	21W	SB	34.37189	-119.4314	hud	N	N		PluggedDH
-1	4.11E+08	Brubaker	1	Plugged	DH	Dry Hole	8581	Trueman M	Any Field	Any Area	Ventura County	Northern	Ventura	28	08N	24W	SB	34.75408	-119.4282	hud	N	N		PluggedDH
-1	4.11E+08	Hobson	1	Plugged	DH	Dry Hole	5784	McCarthy (	Any Field	Any Area	Ventura County	Northern	Ventura	5	03N	24W	SB	34.3712	-119.4199	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3929	Henry De M	Any Field	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41212	-118.9069	hud	N	N		PluggedDH
-1	4.11E+08	Sime Hays	1	Plugged	DH	Dry Hole	5305	Lester I Bar	Any Field	Any Area	Thousand Oaks	Northern	Ventura	7	01N	19W	SB	34.17865	-118.9106	hud	N	N		PluggedDH
-1	4.11E+08	Darby	1	Plugged	DH	Dry Hole	2060	Darby Oil C	Any Field	Any Area	Moorpark	Northern	Ventura	7	02N	19W	SB	34.27064	-118.9043	hud	N	N		PluggedDH
-1	4.11E+08	Humphrey	1	Plugged	DH	Dry Hole	3651	H. H. Hump	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	19W	SB	34.34396	-118.9034	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2379	E. E. Eastor	Any Field	Any Area	Ventura County	Northern	Ventura	17	02N	19W	SB	34.25495	-118.9011	hud	N	N		PluggedDH
-1	4.11E+08	Morgan	1	Plugged	DH	Dry Hole	A4700	Austin Oil (	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	19W	SB	34.34241	-118.9108	hud	N	N		PluggedDH
-1	4.11E+08	Ventura Fa	1	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	19W	SB	34.25562	-118.9107	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Goodenouç		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	19W	SB	34.44222	-118.9184	hud	N	Y		PluggedDH
-1	4.11E+08	Kenneth H.		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Fillmore	Northern	Ventura	36	04N	20W	SB	34.38699	-118.9246	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	5443	Los Posas F	Any Field	Any Area	Ventura County	Northern	Ventura	24	03N	20W	SB	34.32986	-118.9225	hud	N	N		PluggedDH
-1	4.11E+08	Ladera Citr		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	11	03N	20W	SB	34.35917	-118.9451	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	4280	Ito Oil Co.	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	20W	SB	34.38765	-118.9383	hud	N	N		PluggedDH
-1	4.11E+08	Sespe Cree		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	20W	SB	34.41951	-118.9305	hud	N	N		PluggedDH
-1	4.11E+08	Donlon		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	20W	SB	34.29835	-118.9668	hud	N	N		PluggedDH
-1	4.11E+08	Holt Ranch		1 Plugged	DH	Dry Hole	B1200	Lawrence E	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	20W	SB	34.35321	-118.9656	hud	N	N		PluggedDH
-1	4.11E+08	Los Posas-M		1 Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	20W	SB	34.29419	-118.9629	hud	N	N		PluggedDH
-1	4.11E+08	Joe Schuck		1 Plugged	DH	Dry Hole	4656	Joe Schuck	Any Field	Any Area	Camarillo	Northern	Ventura	28	02N	20W	SB	34.22421	-118.9854	hud	N	N		PluggedDH
-1	4.11E+08	McBean		1 Plugged	DH	Dry Hole	2337	E. A. Parkfc	Any Field	Any Area	Ventura County	Northern	Ventura	33	03N	20W	SB	34.29392	-118.9757	hud	N	N		PluggedDH
-1	4.11E+08	Dudley		1 Plugged	DH	Dry Hole	7786	Sespe Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	33	04N	20W	SB	34.38519	-118.9751	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	1312	Camarillo F	Any Field	Any Area	Ventura County	Northern	Ventura	27	02N	20W	SB	34.2235	-118.9725	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	5944	Miesse, He	Any Field	Any Area	Ventura County	Northern	Ventura	8	01N	20W	SB	34.18333	-119.002	hud	N	N		PluggedDH
-1	4.11E+08	Butchko Ra		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	20W	SB	34.29976	-118.9968	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	79	A. J. Ross	Any Field	Any Area	Ventura County	Northern	Ventura	8	01N	20W	SB	34.18184	-119.0079	hud	N	N	2/20/1921	PluggedDH
-1	4.11E+08	Camarillo		1 Plugged	DH	Dry Hole	1310	Camarillo C	Any Field	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.20744	-119.0077	hud	N	N		PluggedDH
-1	4.11E+08	No.		1 Plugged	DH	Dry Hole	7691	Santa Paul:	Any Field	Any Area	Ventura County	Northern	Ventura	17	04N	20W	SB	34.42189	-119.0065	hud	N	N		PluggedDH
-1	4.11E+08	Hill-Conver		1 Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	27	03N	21W	SB	34.31779	-119.0713	hud	N	N		PluggedDH
-1	4.11E+08	Livingston		1 Plugged	DH	Dry Hole	6776	Petrol Prod	Any Field	Any Area	Camarillo	Northern	Ventura	35	02N	21W	SB	34.2149	-119.0578	hud	N	Y		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	7957	South Sant	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	21W	SB	34.31283	-119.0572	hud	N	N		PluggedDH
-1	4.11E+08	Janss		1 Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	22	02N	21W	SB	34.24314	-119.076	GPS	N	N		PluggedDH
-1	4.11E+08	Bank of A. I		1 Plugged	DH	Dry Hole	8316	The Americ	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	21W	SB	34.31054	-119.0568	hud	N	N	2/7/1955	PluggedDH
-1	4.11E+08	Humble-Te		1 Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	2	01N	21W	SB	34.20452	-119.0452	hud	N	N		PluggedDH
-1	4.11E+08	Arneil-Pear		1 Plugged	DH	Dry Hole	1252	California F	Any Field	Any Area	Camarillo	Northern	Ventura	36	02N	21W	SB	34.21503	-119.0424	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood		1 Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	20W	SB	34.25209	-119.0178	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	3918	Helmer L. J	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.17756	-119.0192	hud	N	N		PluggedDH
-1	4.11E+08	Whitelaw		1 Plugged	DH	Dry Hole	4318	J. C. Anders	Any Field	Any Area	Ventura County	Northern	Ventura	19	05N	20W	SB	34.50768	-119.0212	hud	N	N		PluggedDH
-1	4.11E+08	McFarland		1 Plugged	DH	Dry Hole	6368	Oak Ridge (	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	21W	SB	34.25653	-119.0347	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	6594	Pacific Petr	Any Field	Any Area	Ventura County	Northern	Ventura	13	01N	21W	SB	34.16468	-119.0328	hud	N	N		PluggedDH
-1	4.11E+08	Good A.C.L		1 Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	23W	SB	34.37053	-119.252	hud	N	N		PluggedDH
-1	4.11E+08	McGrath		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	22W	SB	34.25598	-119.2231	hud	N	N		PluggedDH
-1	4.11E+08	Ex-Mission		1 Plugged	DH	Dry Hole	S7100	Sumpf-Will	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	23W	SB	34.38466	-119.264	hud	N	N		PluggedDH
-1	4.11E+08	A. Wood		1 Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	23W	SB	34.28368	-119.3169	hud	N	N		PluggedDH
-1	4.11E+08	Baldwin		1 Plugged	DH	Dry Hole	M3500	MCOR Oil a	Any Field	Any Area	Ventura County	Northern	Ventura	17	04N	23W	SB	34.42461	-119.314	hud	N	N		PluggedDH
-1	4.11E+08	Well No.		1 Plugged	DH	Dry Hole	47	A. F. Cahho	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	23W	SB	34.35228	-119.3013	hud	N	N		PluggedDH
-1	4.11E+08	Thorpe		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.25406	-119.2017	hud	N	N		PluggedDH
-1	4.11E+08	Scholle		1 Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.26036	-119.2008	hud	N	N		PluggedDH
-1	4.11E+08	Eastwood		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	33	02N	22W	SB	34.21827	-119.2001	hud	N	N		PluggedDH
-1	4.11E+08	Montalvo		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.25336	-119.2089	hud	N	N		PluggedDH
-1	4.11E+08	Limoneira		1 Plugged	DH	Dry Hole	W0050	Wainoco O	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	22W	SB	34.28181	-119.2071	hud	N	N		PluggedDH
-1	4.11E+08	Limoneira		1 Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura	Northern	Ventura	9	02N	22W	SB	34.26845	-119.1977	hud	N	N		PluggedDH
-1	4.11E+08	Hueneme (		1 Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Port Hueneme	Northern	Ventura	21	01N	22W	SB	34.151	-119.1923	hud	N	N		PluggedCH
-1	4.11E+08	McKee		1 Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Oxnard	Northern	Ventura	15	01N	22W	SB	34.16514	-119.1829	hud	N	N		PluggedDH
-1	4.11E+08	Brigham		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	23	02N	22W	SB	34.24542	-119.1651	GPS	N	Y		PluggedDH
-1	4.11E+08	Schneider		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	11	02N	22W	SB	34.27435	-119.1642	hud	N	N		PluggedDH
-1	4.11E+08	Sharp		1 Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.26993	-119.177	hud	N	N		PluggedDH
-1	4.11E+08	Merchants		1 Plugged	DH	Dry Hole	7969	Southern C	Any Field	Any Area	Oxnard	Northern	Ventura	22	01N	22W	SB	34.15076	-119.1744	hud	N	N		PluggedDH
-1	4.11E+08	Unknown		1 Plugged	DH	Dry Hole	8677	Unknown (	Any Field	Any Area	Ventura	Northern	Ventura	3	02N	22W	SB	34.27801	-119.1705	hud	N	N		PluggedDH
-1	4.11E+08	Eaton		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	14	02N	22W	SB	34.25621	-119.1664	hud	N	N	2/15/1928	PluggedDH
-1	4.11E+08	Sudden		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	1	02N	22W	SB	34.28688	-119.1339	hud	N	N		PluggedDH
-1	4.11E+08	Ferro		1 Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	22W	SB	34.26533	-119.1546	hud	N	N		PluggedDH
-1	4.11E+08	Diedrich		1 Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Oxnard	Northern	Ventura	26	02N	22W	SB	34.2238	-119.1496	hud	N	N		PluggedDH
-1	4.11E+08	Donlon		1 Plugged	DH	Dry Hole	V1300	Victory Oil	Any Field	Any Area	Ventura County	Northern	Ventura	24	02N	22W	SB	34.24067	-119.1447	hud	N	N		PluggedDH
-1	4.11E+08	Central Ave		1 Plugged	DH	Dry Hole	4905	Kenneth H.	Any Field	Any Area	Ventura County	Northern	Ventura	24	02N	22W	SB	34.24755	-119.1424	hud	N	N		PluggedDH
-1	4.11E+08	Ventura Co		1 Plugged	DH	Dry Hole	5649	Magu Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	1	01S	22W	SB	34.11756	-119.1417	hud	N	N		PluggedDH
-1	4.11E+08	Santa Clara		1 Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	6	02N	21W	SB	34.28551	-119.1197	hud	N	N		PluggedDH
-1	4.11E+08	Demsey		1 Plugged	DH	Dry Hole	R3900	Rothschild	Any Field	Any Area	Ventura County	Northern	Ventura	29	02N	21W	SB	34.23007	-119.1121	hud	N	N		PluggedDH
-1	4.11E+08	Cuyama-Pi		1 Plugged	DH	Dry Hole	5461	Louis H. Sc	Any Field	Any Area	Ventura County	Northern	Ventura	28	07N	21W	SB	34.67206	-119.1104	hud	N	N		PluggedDH
-1	4.11E+08	S.T. Alexan		1 Plugged	DH	Dry Hole	M1700	Marathon (	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	21W	SB	34.29285	-119.1041	hud	N	N		PluggedDH
-1	4.11E+08	E. Wood Co		1 Plugged	CH	Core Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	6	02N	23W	SB	34.28779	-119.331	hud	N	N		PluggedCH
-1	4.11E+08	Wood		1 Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	23W	SB	34.34013	-119.3319	hud	N	N	6/18/1942	PluggedDH
-1	4.11E+08	E.H. Hoffm		1 Plugged	DH	Dry Hole	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	12	03N	24W	SB	34.35291	-119.3398	hud	N	N		PluggedDH
-1	4.11E+08	Rincon		1 Plugged	DH	Dry Hole	7725	Scott Petro	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	25W	SB	34.38061	-119.47	hud	N	N		PluggedDH
-1	4.11E+08	Explorer		1 Plugged	DH	Dry Hole	7849	Sigmund M	Any Field	Any Area	Ventura County	Northern	Ventura	5	08N	24W	SB	34.8108	-119.4427	hud	N	N	8/17/1962	PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Core Hole	1	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	24W	SB	34.36569	-119.4415	hud	N	N		PluggedCH
-1	4.11E+08	Quatal Unit	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	34	09N	24W	SB	34.82109	-119.4272	hud	N	N		PluggedDH
-1	4.11E+08	Ventura La	1	Plugged	DH	Dry Hole	G2900	Great Basir	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	18W	SB	34.28051	-118.7876	hud	N	Y	10/29/1974	PluggedDH
-1	4.11E+08	Montgome	1	Plugged	DH	Dry Hole	4241	Internation	Any Field	Any Area	Simi Valley	Northern	Ventura	20	02N	18W	SB	34.24772	-118.7848	hud	N	N		PluggedDH
-1	4.11E+08	Tapo Fee B	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	29	03N	18W	SB	34.30804	-118.7826	hud	N	N		PluggedDH
-1	4.11E+08	Sloan B	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	29	04N	18W	SB	34.39382	-118.7825	hud	N	N		PluggedDH
-1	4.11E+08	Kaar	1	Plugged	DH	Dry Hole	4528	Jacob F. Ka	Any Field	Any Area	Ventura County	Northern	Ventura	33	05N	18W	SB	34.47638	-118.7785	hud	N	N		PluggedDH
-1	4.11E+08	Estes	1	Plugged	DH	Dry Hole	C2100	Carlsberg P	Any Field	Any Area	Simi Valley	Northern	Ventura	4	02N	18W	SB	34.28139	-118.7764	hud	N	Y		PluggedDH
-1	4.11E+08	Warring	1	Plugged	DH	Dry Hole	1170	C. W. Ginte	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.41774	-118.7983	hud	N	N		PluggedDH
-1	4.11E+08	Dinsmore	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Thousand Oaks	Northern	Ventura	6	01N	18W	SB	34.1969	-118.8011	hud	N	N		PluggedDH
-1	4.11E+08	Diablo	1	Plugged	OG	Oil & Gas	4514	Jack Maran	Any Field	Any Area	Ventura County	Northern	Ventura	13	05N	19W	SB	34.51638	-118.8144	hud	N	N		PluggedOG
-1	4.11E+08	Cosby-Stat	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	19W	SB	34.42095	-118.8156	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Bu	1	Plugged	DH	Dry Hole	961	Buckhorn C	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.41228	-118.8325	hud	N	N		PluggedDH
-1	4.11E+08	Piru	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	19W	SB	34.40799	-118.8283	hud	N	N		PluggedDH
-1	4.11E+08	Barrett-Cru	1	Plugged	DH	Dry Hole	8279	Terminal D	Any Field	Any Area	Ventura County	Northern	Ventura	4	01N	17W	SB	34.19532	-118.6699	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	74	A. J. Mead	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	17W	SB	34.28267	-118.6799	hud	N	N	7/10/1947	PluggedDH
-1	4.11E+08	Teddy	1	Plugged	DH	Dry Hole	3326	George Alle	Any Field	Any Area	Ventura County	Northern	Ventura	5	01N	17W	SB	34.19648	-118.6797	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6103	Mrs. Germa	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	17W	SB	34.2927	-118.6877	hud	N	N		PluggedDH
-1	4.11E+08	County Lin	1	Plugged	DH	Dry Hole	10366	The Newha	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	17W	SB	34.38424	-118.6852	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6887	Pomoc Oil	Any Field	Any Area	Simi Valley	Northern	Ventura	8	02N	17W	SB	34.27853	-118.6844	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2337	E. A. Parkfc	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28942	-118.7062	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7695	Santa Susa	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28643	-118.7048	hud	N	N		PluggedDH
-1	4.11E+08	Nedul	1	Plugged	DH	Dry Hole	4673	John B. Luc	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28903	-118.6983	hud	N	N		PluggedDH
-1	4.11E+08	Triunfo	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	12	01N	18W	SB	34.18327	-118.7205	hud	N	N		PluggedDH
-1	4.11E+08	Newhall La	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	18W	SB	34.39821	-118.7161	hud	N	N		PluggedDH
-1	4.11E+08	USL	1	Plugged	OG	Oil & Gas	A1905	American H	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	18W	SB	34.42079	-118.7139	hud	N	Y	5/18/1986	PluggedOG
-1	4.11E+08	Stephens	1	Plugged	DH	Dry Hole	6422	Oilexco, Inc	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	18W	SB	34.38449	-118.7513	hud	N	N	11/25/1940	PluggedDH
-1	4.11E+08	Continenta	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	15	05N	18W	SB	34.51772	-118.7532	hud	N	N		PluggedDH
-1	4.11E+08	Albertson	1	Plugged	DH	Dry Hole	5621	Macmillan	Any Field	Any Area	Ventura County	Northern	Ventura	15	01N	18W	SB	34.16968	-118.7552	hud	N	N	3/13/1953	PluggedDH
-1	4.11E+08	Hull	1	Plugged	DH	Dry Hole	4592	James S. Hu	Any Field	Any Area	Simi Valley	Northern	Ventura	3	02N	18W	SB	34.27907	-118.7457	hud	N	N		PluggedDH
-1	4.11E+08	McBurney	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	23	05N	18W	SB	34.50063	-118.7421	hud	N	N		PluggedDH
-1	4.11E+08	Newhall La	1	Plugged	DH	Dry Hole	6422	Oilexco, Inc	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.37854	-118.7402	hud	N	N		PluggedDH
-1	4.11E+08	Atha	1	Plugged	DH	Dry Hole	3331	George C. A	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	18W	SB	34.41166	-118.7352	hud	N	N	7/12/1992	PluggedDH
-1	4.11E+08	Runkle	1	Plugged	DH	Dry Hole	7221	Regent Oil	Any Field	Any Area	Simi Valley	Northern	Ventura	14	02N	18W	SB	34.26043	-118.7343	hud	N	N		PluggedDH
-1	4.11E+08	Lagamarsin	1	Plugged	DH	Dry Hole	C2100	Carlsberg P	Any Field	Any Area	Simi Valley	Northern	Ventura	4	02N	18W	SB	34.28048	-118.7744	hud	N	N	7/28/1976	PluggedDH
-1	4.11E+08	United Oil	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.42634	-118.7635	hud	N	N		PluggedDH
-1	4.11E+08	Lisk	1	Plugged	DH	Dry Hole	H2400	Havenstrite	Any Field	Any Area	Ventura County	Northern	Ventura	15	05N	18W	SB	34.51367	-118.7589	hud	N	N		PluggedDH
-1	4.11E+08	William Shi	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	19W	SB	34.38257	-118.8618	GPS	N	N		PluggedDH
-1	4.11E+08	Janss	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Thousand Oaks	Northern	Ventura	3	01N	19W	SB	34.19944	-118.8581	hud	N	N		PluggedDH
-1	4.11E+08	Hickler	1	Plugged	DH	Dry Hole	8188	T & T Oil Co	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	19W	SB	34.41618	-118.853	hud	N	N		PluggedDH
-1	4.11E+08	McCrea	1	Plugged	DH	Dry Hole	T1400	Tesoro Petr	Any Field	Any Area	Thousand Oaks	Northern	Ventura	27	02N	19W	SB	34.22602	-118.8515	hud	N	N		PluggedDH
-1	4.11E+08	Intex-Macs	1	Plugged	DH	Dry Hole	T1400	Tesoro Petr	Any Field	Any Area	Thousand Oaks	Northern	Ventura	27	02N	19W	SB	34.22226	-118.8545	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8660	United Oil	Any Field	Any Area	Ventura County	Northern	Ventura	26	04N	19W	SB	34.40531	-118.8472	hud	N	N		PluggedDH
-1	4.11E+08	Snodgrass	1	Plugged	DH	Dry Hole	4852	K. Sande Se	Any Field	Any Area	Ventura County	Northern	Ventura	32	04N	19W	SB	34.3798	-118.886	hud	N	N		PluggedDH
-1	4.11E+08	Ventura Fa	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	17	02N	19W	SB	34.25831	-118.8842	hud	N	N		PluggedDH
-1	4.11E+08	Cora Savier	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	19W	SB	34.35201	-118.8736	hud	N	Y		PluggedDH
-1	4.11E+08	Saviers	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	19W	SB	34.35082	-118.8725	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1804	Conejo Oil	Any Field	Any Area	Thousand Oaks	Northern	Ventura	4	01N	19W	SB	34.19468	-118.8719	hud	N	N		PluggedDH
-1	4.11E+08	Schmidt	1	Plugged	DH	Dry Hole	8398	The Sun Dr	Any Field	Any Area	Ventura County	Northern	Ventura	26	08N	19W	SB	34.75195	-118.8712	hud	N	N		PluggedDH
-1	4.11E+08	Duncombe	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	19W	SB	34.35416	-118.8709	hud	N	N		PluggedDH
-1	4.11E+08	Shiells	Jan-00	Plugged	DH	Dry Hole	6368	Oak Ridge	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	19W	SB	34.38284	-118.863	hud	N	N		PluggedDH
-1	4.11E+08	Ward	1-Jan	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	18W	SB	34.45693	-118.7226	hud	N	N		PluggedDH
-1	4.11E+08	Borchard	1-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	1	02N	21W	SB	34.28132	-119.026	hud	N	N		PluggedDH
-1	4.11E+08	Addie	1-Jan	Plugged	DH	Dry Hole	2015	D. V. Nelso	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.42244	-118.7985	hud	N	N		PluggedDH
-1	4.11E+08	Simi	1-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	19W	SB	34.29133	-118.8167	hud	N	N		PluggedDH
-1	4.11E+08	Hoffman Tr	10-Jan	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	24W	SB	34.36276	-119.3811	hud	N	N		PluggedDH
-1	4.11E+08	Burson	12-Jan	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	12	04N	20W	SB	34.43951	-118.9241	hud	N	N		PluggedDH
-1	4.11E+08	Varden	13-Jan	Plugged	DH	Dry Hole	R4075	Royal Reso	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	21W	SB	34.26039	-119.0278	hud	N	N		PluggedDH
-1	4.11E+08	Temescal	16-Jan	Plugged	OG	Oil & Gas	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42463	-118.7647	hud	N	Y	12/11/1975	PluggedOG
-1	4.11E+08	McCulloch-	16-Jan	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.43407	-118.7727	hud	N	N		PluggedDH
-1	4.11E+08	Fillmore Fe	16-Jan	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	19W	SB	34.42317	-118.8706	hud	N	Y	5/28/1981	PluggedDH
-1	4.11E+08	OPI-Schiefe	16-Jan	Plugged	DH	Dry Hole	T1725	Texas Pacif	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	20W	SB	34.33684	-118.9874	hud	N	N		PluggedDH
-1	4.11E+08	N. L. & F.	19-Jan	Plugged	DH	Dry Hole	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	17W	SB	34.41832	-118.7015	hud	N	Y		PluggedDH
-1	4.11E+08	Warring Br	19-Jan	Plugged	DH	Dry Hole	6280	Nordon Co	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.42024	-118.7977	hud	N	N		PluggedDH
-1	4.11E+08	Getty-Ranc	20-Jan	Plugged	DH	Dry Hole	P1400	Hondo Oil	Any Field	Any Area	Ventura County	Northern	Ventura	20	03N	18W	SB	34.32269	-118.7895	hud	N	Y	5/10/1974	PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Simi	22-Jan	Plugged	DH	Dry Hole	U0250	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	22	03N	19W	SB	34.3348	-118.8567	hud	N	N		PluggedDH
-1	4.11E+08	Hickler	22-Jan	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	19W	SB	34.41671	-118.8539	hud	N	N		PluggedOG
-1	4.11E+08	Simi	23-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	23	03N	19W	SB	34.33546	-118.8379	hud	N	Y		PluggedDH
-1	4.11E+08	Simi	24-Jan	Plugged	DH	Dry Hole	U0250	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	24	03N	19W	SB	34.33505	-118.8284	hud	N	N		PluggedDH
-1	4.11E+08	Larinan	24-Jan	Plugged	DH	Dry Hole	B4725	Black Hawk	Any Field	Any Area	Ventura County	Northern	Ventura	24	04N	18W	SB	34.41792	-118.7257	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	25-Jan	Plugged	DH	Dry Hole	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	23W	SB	34.39281	-119.2436	hud	N	Y	7/31/1982	PluggedDH
-1	4.11E+08	Tapo	26-Jan	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Simi Valley	Northern	Ventura	26	03N	18W	SB	34.31333	-118.7388	hud	N	Y		PluggedDH
-1	4.11E+08	Simi	26-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	19W	SB	34.31731	-118.8328	hud	N	N		PluggedDH
-1	4.11E+08	Simi	30-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	30	03N	18W	SB	34.31524	-118.8021	hud	N	Y		PluggedDH
-1	4.11E+08	Basolo	31-Jan	Plugged	DH	Dry Hole	3841	Harry C. Lo	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	19W	SB	34.37947	-118.9031	hud	N	N		PluggedDH
-1	4.11E+08	Simi	31-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Simi Valley	Northern	Ventura	31	03N	18W	SB	34.29489	-118.811	hud	N	N		PluggedDH
-1	4.11E+08	Moorpark	Jan-34	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	19W	SB	34.30205	-118.861	hud	N	N		PluggedDH
-1	4.11E+08	Simi	Jan-35	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Moorpark	Northern	Ventura	35	03N	19W	SB	34.29757	-118.8477	hud	N	N		PluggedDH
-1	4.11E+08	U S L	Jan-35	Plugged	DH	Dry Hole	T1400	Tesoro Petr	Any Field	Any Area	Ventura County	Northern	Ventura	35	07N	22W	SB	34.65207	-119.1753	hud	N	N	11/27/1966	PluggedDH
-1	4.11E+08	Bates	Jan-36	Plugged	DH	Dry Hole	M7050	Monterey I	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	25W	SB	34.38008	-119.4463	hud	N	N		PluggedDH
-1	4.11E+08	Standard-R	6-Jan	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	24W	SB	34.36484	-119.44	hud	N	N		PluggedDH
-1	4.11E+08	Standard-T	6-Jan	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	20W	SB	34.37761	-119.0096	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	6-Jan	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	6	02N	20W	SB	34.28838	-119.0099	hud	N	N		PluggedDH
-1	4.11E+08	Donlon	1-A	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	20W	SB	34.29781	-118.9663	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy	1-A	Plugged	DH	Dry Hole	6368	Oak Ridge (	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.25549	-119.2114	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	10	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	23W	SB	34.25558	-119.2598	hud	N	N		PluggedCH
-1	4.11E+08	McFarland	1-Oct	Plugged	DH	Dry Hole	T3000	Tiger Oil Cc	Any Field	Any Area	Ventura County	Northern	Ventura	10	04N	20W	SB	34.43941	-118.9571	hud	N	N		PluggedDH
-1	4.11E+08	Industrial	1-Oct	Plugged	DH	Dry Hole	2416	E. J. Miley	Any Field	Any Area	Ventura County	Northern	Ventura	9	04N	23W	SB	34.44593	-119.2987	hud	N	N	12/9/1922	PluggedDH
-1	4.11E+08	Well No.	10-A	Plugged	DH	Dry Hole	292	America Dr	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28668	-118.7061	hud	N	N		PluggedDH
-1	4.11E+08	Simi	11	Plugged	WS	Water Sour	P3875	Freeport-M	Any Field	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.36705	-118.7102	hud	N	N		PluggedWS
-1	4.11E+08	Strathearn	11	Plugged	DH	Dry Hole	6993	R & R Oil Co	Any Field	Any Area	Simi Valley	Northern	Ventura	7	02N	18W	SB	34.27786	-118.8022	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	11	Plugged	DH	Dry Hole	2029	Dabney & I	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	18W	SB	34.29023	-118.7898	hud	N	N		PluggedDH
-1	4.11E+08	Jamieson	7-Nov	Plugged	DH	Dry Hole	1166	C. W. Colgr	Any Field	Any Area	Ventura County	Northern	Ventura	7	07N	22W	SB	34.72226	-119.2569	hud	N	N		PluggedDH
-1	4.11E+08	Black Ranch	Nov-78	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	11	04N	18W	SB	34.43945	-118.7312	hud	N	N		PluggedDH
-1	4.11E+08	Simi	11W	Plugged	WS	Water Sour	P3875	Freeport-M	Any Field	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.36601	-118.7114	hud	N	N		PluggedWS
-1	4.11E+08	U.S.L.	14-47	Plugged	DH	Dry Hole	3031	Frank Collir	Any Field	Any Area	Ventura County	Northern	Ventura	14	07N	24W	SB	34.69818	-119.3938	hud	N	N		PluggedDH
-1	4.11E+08	Century	16	Plugged	OG	Oil & Gas	10366	The Newha	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38803	-118.7279	hud	N	N		PluggedOG
-1	4.11E+08	Century	17	Plugged	OG	Oil & Gas	10366	The Newha	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38974	-118.7282	hud	N	N		PluggedOG
-1	4.11E+08	Grubb	173	Plugged	DH	Dry Hole	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	13	03N	24W	SB	34.33764	-119.3395	hud	N	N	7/1/1973	PluggedDH
-1	4.11E+08	Simi	18-7	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35216	-118.6963	hud	N	N		PluggedDH
-1	4.11E+08	Simi	19	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	17W	SB	34.34312	-118.6711	hud	N	N		PluggedDH
-1	4.11E+08	Button	1A	Plugged	DH	Dry Hole	2390	E. F. Stella	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28696	-118.7032	hud	N	N		PluggedDH
-1	4.11E+08	Farrell	1A	Plugged	DH	Dry Hole	2325	E. A. Bende	Any Field	Any Area	Oxnard	Northern	Ventura	5	01N	22W	SB	34.19668	-119.21	hud	N	N		PluggedDH
-1	4.11E+08	C. S. Johnso	1H2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	30	04N	18W	SB	34.40191	-118.8113	hud	N	N		PluggedDH
-1	4.11E+08	Brinkop	1S	Plugged	DH	Dry Hole	T3475	Charles C T	Any Field	Any Area	Moorpark	Northern	Ventura	10	02N	19W	SB	34.26607	-118.854	hud	N	N		PluggedDH
-1	4.11E+08	Hearst	2	Plugged	DH	Dry Hole	7879	Simi Oil Co.	Any Field	Any Area	Thousand Oaks	Northern	Ventura	18	01N	17W	SB	34.16951	-118.8077	hud	N	N		PluggedDH
-1	4.11E+08	Everett	2	Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	20W	SB	34.25041	-118.9497	hud	N	N		PluggedDH
-1	4.11E+08	Sime Hays	2	Plugged	DH	Dry Hole	5305	Lester I Bar	Any Field	Any Area	Thousand Oaks	Northern	Ventura	7	01N	19W	SB	34.17957	-118.9105	hud	N	N		PluggedDH
-1	4.11E+08	Dudley	2	Plugged	DH	Dry Hole	7786	Sespe Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	33	04N	20W	SB	34.38466	-118.975	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.29288	-118.9921	hud	N	N		PluggedDH
-1	4.11E+08	Fasshauer	2	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.28602	-118.9915	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	2	Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	20W	SB	34.29409	-118.9914	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	1218	Calif.-Wyor	Any Field	Any Area	Ventura County	Northern	Ventura	19	01N	20W	SB	34.15525	-119.0115	hud	N	N		PluggedDH
-1	4.11E+08	Jones Estat	2	Plugged	DH	Dry Hole	H4400	Hilliard Oil	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	22W	SB	34.25106	-119.2354	hud	N	Y		PluggedDH
-1	4.11E+08	Shell-Stand	2	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	20	02N	21W	SB	34.24572	-119.0975	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	9122	Western Cc	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	24W	SB	34.38742	-119.3535	hud	N	N		PluggedDH
-1	4.11E+08	Honolulu-S	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	28	04N	24W	SB	34.40193	-119.3982	hud	N	N		PluggedDH
-1	4.11E+08	Core Hole	2	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	24W	SB	34.3643	-119.4396	hud	N	N		PluggedCH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	6861	Piru Monar	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	18W	SB	34.42073	-118.7669	hud	N	N		PluggedDH
-1	4.11E+08	Reichbach	2	Plugged	DH	Dry Hole	6860	Piru Creek '	Any Field	Any Area	Ventura County	Northern	Ventura	21	05N	18W	SB	34.50433	-118.7762	hud	N	N		PluggedDH
-1	4.11E+08	Core Hole	2	Plugged	CH	Core Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	19W	SB	34.38165	-118.8305	hud	N	N		PluggedCH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	2680	Erie Oil Co.	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.37045	-118.8496	hud	N	N		PluggedDH
-1	4.11E+08	Flannagan	2	Plugged	DH	Dry Hole	6636	Pamoan Oi	Any Field	Any Area	Simi Valley	Northern	Ventura	5	02N	17W	SB	34.29195	-118.6912	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	3167	Funk and L	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.28699	-118.7039	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34097	-118.7095	hud	N	N		PluggedDH
-1	4.11E+08	Lease by M	2	Plugged	DH	Dry Hole	5790	McCray Bro	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	17W	SB	34.35135	-118.6785	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	658	Bartlow-He	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	18W	SB	34.29046	-118.7222	hud	N	N	7/10/1958	PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	432	Arizona Oil	Any Field	Any Area	Ventura County	Northern	Ventura	13	04N	20W	SB	34.42966	-118.9216	hud	N	N		PluggedDH
-1	4.11E+08	Las Posas C	2	Plugged	DH	Dry Hole	S7200	Oryx Energ	Any Field	Any Area	Ventura County	Northern	Ventura	4	02N	20W	SB	34.27951	-118.9797	hud	N	N		PluggedDH
-1	4.11E+08	Hearne-Wa	2	Plugged	DH	Dry Hole	S3100	Shell Westc	Any Field	Any Area	Ventura County	Northern	Ventura	33	03N	22W	SB	34.28988	-119.195	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Saticoy-Citi	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.26582	-119.1773	hud	N	N		PluggedDH
-1	4.11E+08	Limoneira	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	25	03N	22W	SB	34.30976	-119.1453	hud	N	Y		PluggedDH
-1	4.11E+08	S. P. S. Nor	2	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	30	03N	21W	SB	34.31743	-119.1157	hud	N	N		PluggedDH
-1	4.11E+08	Casitas	2	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	7	03N	23W	SB	34.34877	-119.3329	hud	N	N		PluggedDH
-1	4.11E+08	Apache Un	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	30	08N	23W	SB	34.75135	-119.3518	hud	N	N	8/27/1959	PluggedDH
-1	4.11E+08	A. Wood	2	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	23W	SB	34.28989	-119.3176	hud	N	N		PluggedDH
-1	4.11E+08	Rains	2	Plugged	DH	Dry Hole	4828	Jupiter Oil	Any Field	Any Area	Ventura County	Northern	Ventura	12	06N	24W	SB	34.623	-119.3758	hud	N	N		PluggedDH
-1	4.11E+08	W. P. G.	2	Plugged	DH	Dry Hole	7964	Southern C	Any Field	Any Area	Camarillo	Northern	Ventura	26	02N	21W	SB	34.23	-119.0543	hud	N	N		PluggedDH
-1	4.11E+08	Union-Banl	2	Plugged	DH	Dry Hole	K0600	G E Kadane	Any Field	Any Area	Ventura County	Northern	Ventura	35	03N	21W	SB	34.30235	-119.0545	hud	N	N		PluggedDH
-1	4.11E+08	Bank of A.	2	Plugged	DH	Dry Hole	8316	The Americ	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	21W	SB	34.31075	-119.057	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	4549	James C. M	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.18128	-119.0105	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Bu	2	Plugged	DH	Dry Hole	961	Buckhorn C	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.41171	-118.8331	hud	N	N		PluggedDH
-1	4.11E+08	Hickler	2	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	19W	SB	34.41652	-118.8532	hud	N	N		PluggedDH
-1	4.11E+08	Edwards	2	Plugged	DH	Dry Hole	2685	Ernest Edw	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.40202	-118.8597	hud	N	N		PluggedDH
-1	4.11E+08	Newhall La	2	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	18W	SB	34.39373	-118.7176	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	940	Brothers O	Any Field	Any Area	Ventura County	Northern	Ventura	34	04N	18W	SB	34.38033	-118.755	hud	N	N		PluggedDH
-1	4.11E+08	Newhall La	2	Plugged	DH	Dry Hole	6422	Oilexco, Inc	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.37802	-118.7405	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	6862	Piru Oil and	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42737	-118.7773	hud	N	N		PluggedDH
-1	4.11E+08	Hardison R	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	20W	SB	34.40652	-118.9623	hud	N	N		PluggedDH
-1	4.11E+08	Simian Ker	2	Plugged	DH	Dry Hole	7880	Simian Oil	Any Field	Any Area	Ventura County	Northern	Ventura	20	03N	19W	SB	34.32431	-118.8866	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	3473	Golden Gat	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44205	-118.9122	hud	N	N		PluggedOG
-1	4.11E+08	Petit	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	20W	SB	34.34772	-118.9739	hud	N	N		PluggedDH
-1	4.11E+08	Madarp	2	Plugged	DH	Dry Hole	5518	M. A. Field:	Any Field	Any Area	Ventura County	Northern	Ventura	35	08N	22W	SB	34.739	-119.1756	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd-Butle	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29005	-119.1202	hud	N	N		PluggedDH
-1	4.11E+08	Adamson	2	Plugged	DH	Dry Hole	7253	Revo Oil Co	Any Field	Any Area	Ventura County	Northern	Ventura	6	01N	20W	SB	34.19619	-119.0138	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	79	A. J. Ross	Any Field	Any Area	Ventura County	Northern	Ventura	18	01N	20W	SB	34.16926	-119.0175	hud	N	N	4/10/1921	PluggedDH
-1	4.11E+08	Shell-Bates	2	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	25W	SB	34.3797	-119.467	hud	N	Y		PluggedDH
-1	4.11E+08	Piru	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.41698	-118.8105	hud	N	N		PluggedDH
-1	4.11E+08	Baker-Hunt	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	31	04N	18W	SB	34.38584	-118.8039	hud	N	N	2/27/1955	PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	8023	S-S Syndica	Any Field	Any Area	Simi Valley	Northern	Ventura	6	02N	17W	SB	34.29329	-118.7042	hud	N	N		PluggedDH
-1	4.11E+08	Camulos Ra	2	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	22	04N	18W	SB	34.41349	-118.7489	hud	N	N		PluggedDH
-1	4.11E+08	Smith Ranc	2	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.40248	-118.8567	hud	N	N		PluggedDH
-1	4.11E+08	24-Triunfo	2	Plugged	DH	Dry Hole	739	Bennett Ex	Any Field	Any Area	Thousand Oaks	Northern	Ventura	24	01N	19W	SB	34.15625	-118.8259	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	1312	Camarillo F	Any Field	Any Area	Ventura County	Northern	Ventura	27	02N	20W	SB	34.22383	-118.9569	hud	N	N		PluggedDH
-1	4.11E+08	Valentine	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	17	02N	22W	SB	34.24913	-119.2104	hud	N	N		PluggedDH
-1	4.11E+08	Sudden	2	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	36	03N	22W	SB	34.29163	-119.1344	hud	N	N		PluggedDH
-1	4.11E+08	Beardsley	2	Plugged	DH	Dry Hole	4098	Hoyt S. Gal	Any Field	Any Area	Ventura County	Northern	Ventura	29	02N	21W	SB	34.23085	-119.1018	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy	2	Plugged	DH	Dry Hole	6368	Oak Ridge	Any Field	Any Area	Ventura County	Northern	Ventura	21	03N	21W	SB	34.33362	-119.08	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	1217	Calif. Repu	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	21W	SB	34.409	-119.0529	hud	N	N		PluggedOG
-1	4.11E+08	Janss	2	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	22	02N	21W	SB	34.24247	-119.0656	hud	N	N		PluggedDH
-1	4.11E+08	Canet	2	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	23W	SB	34.34845	-119.2951	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	3481	Golden We	Any Field	Any Area	Ventura	Southern	Ventura	9	02N	23W	SB	34.27522	-119.299	hud	N	N	1/1/1922	PluggedDH
-1	4.11E+08	Casitas	2	Plugged	DH	Dry Hole	5954	Miley Petrc	Any Field	Any Area	Ventura County	Northern	Ventura	7	03N	23W	SB	34.35283	-119.3371	hud	N	N		PluggedDH
-1	4.11E+08	Fasshauer	2	Plugged	DH	Dry Hole	2339	E. A. Parkfc	Any Field	Any Area	Ventura County	Northern	Ventura	5	02N	20W	SB	34.28535	-118.992	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	3918	Helmer L. J	Any Field	Any Area	Ventura County	Northern	Ventura	7	01N	20W	SB	34.17686	-119.0243	hud	N	N		PluggedDH
-1	4.11E+08	Robert Bia	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	25	03N	21W	SB	34.3141	-119.0356	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	1-Feb	Plugged	DH	Dry Hole	7634	San Roque	Any Field	Any Area	Ventura County	Northern	Ventura	7	02N	20W	SB	34.271	-119.0145	hud	N	Y		PluggedDH
-1	4.11E+08	Cohn	1-Feb	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Ventura County	Northern	Ventura	23	02N	22W	SB	34.24438	-119.1556	hud	N	N		PluggedDH
-1	4.11E+08	Fillmore Ur	1-Feb	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Fillmore	Northern	Ventura	29	04N	19W	SB	34.39827	-118.8978	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2-A	Plugged	DH	Dry Hole	778	Beulah Oil	Any Field	Any Area	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38518	-119.299	hud	N	N		PluggedDH
-1	4.11E+08	Simi Core H	20	Plugged	CH	Core Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.35503	-118.7778	hud	N	N		PluggedCH
-1	4.11E+08	Simi Core H	21	Plugged	CH	Core Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	18W	SB	34.3381	-118.8064	hud	N	N		PluggedCH
-1	4.11E+08	Simi Core H	22	Plugged	CH	Core Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.34797	-118.6948	hud	N	N		PluggedCH
-1	4.11E+08	Rudolph	22-25	Plugged	DH	Dry Hole	T1725	Texas Pacif	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40553	-119.0396	hud	N	N		PluggedDH
-1	4.11E+08	Simi	24	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	28	03N	17W	SB	34.31341	-118.6712	hud	N	N		PluggedDH
-1	4.11E+08	Simi	25	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	18W	SB	34.36114	-118.7946	hud	N	N		PluggedDH
-1	4.11E+08	U.S.L.	25-1	Plugged	DH	Dry Hole	R2500	Riddle & G	Any Field	Any Area	Ventura County	Northern	Ventura	36	06N	22W	SB	34.57631	-119.1648	hud	N	N		PluggedDH
-1	4.11E+08	Goodenou	28	Plugged	DH	Dry Hole	1166	C. W. Colgr	Any Field	Any Area	Ventura County	Northern	Ventura	7	04N	19W	SB	34.43784	-118.9169	hud	N	N		PluggedDH
-1	4.11E+08	Goodenou	28-18	Plugged	DH	Dry Hole	1166	C. W. Colgr	Any Field	Any Area	Ventura County	Northern	Ventura	18	04N	19W	SB	34.42299	-118.9167	hud	N	N		PluggedDH
-1	4.11E+08	Simi	29	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	16	03N	17W	SB	34.33984	-118.6648	hud	N	N		PluggedDH
-1	4.11E+08	Casitas	2A	Plugged	DH	Dry Hole	5954	Miley Petrc	Any Field	Any Area	Ventura County	Northern	Ventura	7	03N	23W	SB	34.35262	-119.337	hud	N	N		PluggedDH
-1	4.11E+08	McGrath	2B	Plugged	DH	Dry Hole	S3100	Shell West	Any Field	Any Area	Oxnard	Northern	Ventura	26	02N	22W	SB	34.22228	-119.1598	hud	N	N		PluggedDH
-1	4.11E+08	Brinkop	2S	Plugged	DH	Dry Hole	T3475	Charles C T	Any Field	Any Area	Moorpark	Northern	Ventura	10	02N	19W	SB	34.26641	-118.8543	hud	N	N		PluggedDH
-1	4.11E+08	Core Hole	3	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	24W	SB	34.36481	-119.4407	hud	N	N		PluggedCH
-1	4.11E+08	Smith Ranc	3	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	26	04N	19W	SB	34.40567	-118.8349	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Holser	3	Plugged	DH	Dry Hole	2823	F. E. Fairfie	Any Field	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.43394	-118.7508	hud	N	N		PluggedDH
-1	4.11E+08	N. L. & F.	3	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	18W	SB	34.40307	-118.7261	hud	N	N		PluggedDH
-1	4.11E+08	Edwards	3	Plugged	OG	Oil & Gas	2881	Fairview Ex	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.40467	-118.8622	hud	N	N	1/17/1949	PluggedOG
-1	4.11E+08	Lloyd Struc	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	23W	SB	34.29843	-119.2697	hud	N	N		PluggedDH
-1	4.11E+08	V. L. & W. S	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	35	03N	23W	SB	34.297	-119.2584	hud	N	N		PluggedDH
-1	4.11E+08	Beardsley	3	Plugged	DH	Dry Hole	W1500	Westates P	Any Field	Any Area	Ventura County	Northern	Ventura	29	02N	21W	SB	34.23282	-119.1016	hud	N	N		PluggedDH
-1	4.11E+08	SCL	3	Plugged	DH	Dry Hole	7654	Santa Clara	Any Field	Any Area	Ventura County	Northern	Ventura	10	04N	21W	SB	34.44315	-119.0757	hud	N	N		PluggedDH
-1	4.11E+08	State 3184	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Southern	Ventura	22	03N	24W	SB	34.32161	-119.3828	hud	N	N		PluggedDH
-1	4.11E+08	Bank of A. I	3	Plugged	DH	Dry Hole	8316	The Americ	Any Field	Any Area	Ventura County	Northern	Ventura	26	03N	21W	SB	34.31356	-119.0585	hud	N	N		PluggedDH
-1	4.11E+08	Loel-Maxw	3	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	20W	SB	34.42267	-118.9894	hud	N	Y		PluggedDH
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	6416	Oil Ridge O	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	19W	SB	34.46247	-118.821	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	646	Barney Cor	Any Field	Any Area	Ventura County	Northern	Ventura	14	03N	18W	SB	34.34385	-118.7317	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34228	-118.7155	hud	N	N		PluggedDH
-1	4.11E+08	Janss	3	Plugged	DH	Dry Hole	C7800	Conoco Inc	Any Field	Any Area	Ventura County	Northern	Ventura	22	02N	21W	SB	34.24625	-119.0678	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	940	Brothers O	Any Field	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38463	-118.762	hud	N	N		PluggedDH
-1	4.11E+08	Elmer	3	Plugged	DH	Dry Hole	8341	The Elmer (	Any Field	Any Area	Ventura County	Northern	Ventura	6	03N	24W	SB	34.36707	-119.4389	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy-Citi	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	10	02N	22W	SB	34.2658	-119.1776	hud	N	N		PluggedDH
-1	4.11E+08	Sudden	3	Plugged	DH	Dry Hole	S3100	Shell Westi	Any Field	Any Area	Ventura County	Northern	Ventura	1	03N	22W	SB	34.28578	-119.1416	hud	N	N		PluggedDH
-1	4.11E+08	Core Hole	3	Plugged	CH	Core Hole	6422	Oilexco, Inc	Any Field	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.37836	-118.7402	hud	N	N		PluggedCH
-1	4.11E+08	Core Hole	3	Plugged	CH	Core Hole	S3100	Shell Westi	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	19W	SB	34.37935	-118.8302	hud	N	N		PluggedCH
-1	4.11E+08	Lease by Bi	3	Plugged	DH	Dry Hole	961	Buckhorn C	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.41136	-118.8326	hud	N	N		PluggedDH
-1	4.11E+08	Standard-V	2-Mar	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Oxnard	Northern	Ventura	28	02N	22W	SB	34.23056	-119.1876	hud	N	N		PluggedDH
-1	4.11E+08	Simi	Mar-36	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	1	02N	19W	SB	34.29298	-118.8179	hud	N	N		PluggedDH
-1	4.11E+08	Simi	30	Plugged	DH	Dry Hole	C4500	Central Lea	Any Field	Any Area	Moorpark	Northern	Ventura	3	02N	19W	SB	34.29264	-118.8499	hud	N	N		PluggedDH
-1	4.11E+08	Curyea	32	Plugged	DH	Dry Hole	7278	Richard L. F	Any Field	Any Area	Ventura County	Northern	Ventura	25	09N	23W	SB	34.84056	-119.2897	hud	N	N		PluggedDH
-1	4.11E+08	Sence	34	Plugged	OG	Oil & Gas	T1200	The Termo	Any Field	Any Area	Ventura County	Northern	Ventura	31	03N	20W	SB	34.30759	-119.0178	hud	N	Y		PluggedOG
-1	4.11E+08	Reichbach	34A-21	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	21	05N	18W	SB	34.50755	-118.7735	hud	N	N		PluggedDH
-1	4.11E+08	Spectrum	36	Plugged	DH	Dry Hole	9513	Spectrum (	Any Field	Any Area	Ventura County	Northern	Ventura	26	06N	22W	SB	34.5778	-119.1706	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Struc	4	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	23W	SB	34.29647	-119.2745	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	4	Plugged	DH	Dry Hole	658	Bartlow-He	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	18W	SB	34.28962	-118.7235	hud	N	N		PluggedDH
-1	4.11E+08	A.C.L.	4	Plugged	DH	Dry Hole	T3700	Transco Oil	Any Field	Any Area	Ventura County	Northern	Ventura	36	04N	23W	SB	34.38263	-119.2381	hud	N	N		PluggedDH
-1	4.11E+08	Smith Ranc	4	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	23	04N	19W	SB	34.41371	-118.8321	hud	N	N		PluggedDH
-1	4.11E+08	Bank of A. I	4	Plugged	DH	Dry Hole	8316	The Americ	Any Field	Any Area	Ventura County	Northern	Ventura	34	03N	21W	SB	34.30402	-119.0714	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	4	Plugged	DH	Dry Hole	6862	Piru Oil and	Any Field	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.43835	-118.7718	hud	N	N		PluggedDH
-1	4.11E+08	Big Mounta	4	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	24	03N	19W	SB	34.32816	-118.8192	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy-Citi	4	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	22W	SB	34.26245	-119.1664	hud	N	N		PluggedDH
-1	4.11E+08	Bursin	46-18	Plugged	DH	Dry Hole	1166	C. W. Colgr	Any Field	Any Area	Ventura County	Northern	Ventura	18	04N	19W	SB	34.42478	-118.9135	hud	N	N		PluggedDH
-1	4.11E+08	Piru Oil and	5	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.43703	-118.7777	hud	N	N		PluggedDH
-1	4.11E+08	Arundell	5	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	17	04N	19W	SB	34.42421	-118.8999	hud	N	N	9/14/1961	PluggedDH
-1	4.11E+08	Saticoy-Citi	5	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	22W	SB	34.26341	-119.1666	hud	N	N		PluggedDH
-1	4.11E+08	Smith Ranc	5	Plugged	DH	Dry Hole	A3500	Argo Petrol	Any Field	Any Area	Ventura County	Northern	Ventura	19	04N	18W	SB	34.42172	-118.8138	hud	N	N		PluggedDH
-1	4.11E+08	Curyea	54	Plugged	DH	Dry Hole	456	Arthur C. Fi	Any Field	Any Area	Ventura County	Northern	Ventura	27	09N	23W	SB	34.83727	-119.3209	hud	N	N		PluggedDH
-1	4.11E+08	Wright	54-18	Plugged	DH	Dry Hole	1166	C. W. Colgr	Any Field	Any Area	Ventura County	Northern	Ventura	18	07N	23W	SB	34.70356	-119.3583	hud	N	N	11/1/1949	PluggedDH
-1	4.11E+08	Jamieson	54-7	Plugged	DH	Dry Hole	1999	D. K. Partn	Any Field	Any Area	Ventura County	Northern	Ventura	7	07N	22W	SB	34.7178	-119.2505	hud	N	N		PluggedDH
-1	4.11E+08	Simi	6	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	17	03N	17W	SB	34.3489	-118.6862	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	6	Plugged	DH	Dry Hole	6862	Piru Oil and	Any Field	Any Area	Ventura County	Northern	Ventura	10	04N	18W	SB	34.43968	-118.7539	hud	N	N		PluggedDH
-1	4.11E+08	Star	6	Plugged	DH	Dry Hole	I0900	H. A. Ivers	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45919	-119.0266	hud	N	N	1/1/1927	PluggedDH
-1	4.11E+08	Oxnard Cor	6	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	23W	SB	34.24942	-119.2525	hud	N	N		PluggedCH
-1	4.11E+08	U.S.L.	1-Jun	Plugged	DH	Dry Hole	R2500	Riddle & Gi	Any Field	Any Area	Ventura County	Northern	Ventura	6	05N	22W	SB	34.54214	-119.2187	hud	N	N		PluggedDH
-1	4.11E+08	Governmer	63	Plugged	DH	Dry Hole	2531	Edco Oil Co	Any Field	Any Area	Ventura County	Northern	Ventura	32	09N	23W	SB	34.82435	-119.3532	hud	N	N		PluggedDH
-1	4.11E+08	Reyes	64-12	Plugged	DH	Dry Hole	1166	C. W. Colgr	Any Field	Any Area	Ventura County	Northern	Ventura	12	07N	24W	SB	34.71869	-119.3721	hud	N	N		PluggedDH
-1	4.11E+08	Smith	65-20	Plugged	DH	Dry Hole	M6925	Mobil Oil E	Any Field	Any Area	Ventura County	Northern	Ventura	20	07N	23W	SB	34.68711	-119.3376	hud	N	N		PluggedDH
-1	4.11E+08	Binns	67-1	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Simi Valley	Northern	Ventura	1	02N	19W	SB	34.28038	-118.821	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	7	Plugged	CH	Core Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	13	02N	23W	SB	34.25666	-119.2486	hud	N	N		PluggedCH
-1	4.11E+08	Smith	71A-11	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	11	02N	19W	SB	34.27652	-118.8366	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	71X	Plugged	DH	Dry Hole	B2900	J. Ainslie Be	Any Field	Any Area	Ventura County	Northern	Ventura	14	03N	18W	SB	34.34953	-118.7322	hud	N	N		PluggedDH
-1	4.11E+08	Bolsa Chica	76-23	Plugged	DH	Dry Hole	U0575	U S Natural	Any Field	Any Area	Ventura County	Northern	Ventura	32	05N	18W	SB	34.47188	-118.7854	hud	N	N		PluggedDH
-1	4.11E+08	Santa Barb	8	Plugged	CH	Core Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Southern	Ventura	27	03N	24W	SB	34.31901	-119.3897	hud	N	N		PluggedCH
-1	4.11E+08	Core Hole	8-26-3A	Plugged	CH	Core Hole	6712	Pauley Petr	Any Field	Any Area	Ventura County	Southern	Ventura	26	03N	24W	SB	34.31152	-119.3593	hud	N	N		PluggedCH
-1	4.11E+08	Thorpe	81-30	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	30	04N	20W	SB	34.4067	-119.0088	hud	N	N		PluggedDH
-1	4.11E+08	Simi	9	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.3368	-118.6949	hud	N	N		PluggedDH
-1	4.11E+08	Rogers	A	Plugged	DH	Dry Hole	S3100	Shell Westi	Any Field	Any Area	Ventura County	Northern	Ventura	22	05N	18W	SB	34.5014	-118.7561	hud	N	N		PluggedDH
-1	4.11E+08	Gillbergh	A-1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	31	09N	23W	SB	34.82803	-119.3688	hud	N	N		PluggedDH
-1	4.11E+08	N. L. & F. C	A-1	Plugged	CH	Core Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	26	04N	18W	SB	34.40368	-118.7357	hud	N	N		PluggedCH
-1	4.11E+08	Gillbergh	A-2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	24	09N	24W	SB	34.85701	-119.3991	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Rogers	B	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	22	05N	18W	SB	34.5014	-118.7539	hud	N	N		PluggedDH
-1	4.11E+08	Ventavo III	B-1	Plugged	DH	Dry Hole	4293	J Oil Co.	Any Field	Any Area	Ventura County	Northern	Ventura	36	03N	20W	SB	34.30198	-118.9241	hud	N	N		PluggedDH
-1	4.11E+08	Dixon	B-1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Any Field	Any Area	Ventura County	Northern	Ventura	25	08N	24W	SB	34.76105	-119.3674	hud	N	N		PluggedDH
-1	4.11E+08	Edd H. Will	B-1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Moorpark	Northern	Ventura	4	02N	19W	SB	34.29009	-118.8725	hud	N	N	8/19/1955	PluggedDH
-1	4.11E+08	N. L. & F.	C-1	Plugged	DH	Dry Hole	U0200	Union Oil C	Any Field	Any Area	Ventura County	Northern	Ventura	25	04N	18W	SB	34.40642	-118.7177	hud	N	N		PluggedDH
-1	4.11E+08	Well	C-1	Plugged	DH	Dry Hole	7550	S. R. Ross	Any Field	Any Area	Ventura County	Northern	Ventura	15	01N	21W	SB	34.16877	-119.0781	hud	N	N		PluggedDH
-1	4.11E+08	Everett	C-2	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Ventura County	Northern	Ventura	14	02N	20W	SB	34.25193	-118.9489	hud	N	N		PluggedDH
-1	4.11E+08	V. L. & W.	C-4	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	34	03N	23W	SB	34.28971	-119.2688	hud	N	N		PluggedDH
-1	4.11E+08	V. L. & W.	C-5	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura	Northern	Ventura	2	02N	23W	SB	34.2869	-119.2694	hud	N	N		PluggedDH
-1	4.11E+08	P.R.C. 3946	C.H. 1	Plugged	DH	Dry Hole	S3100	Shell Weste	Any Field	Any Area	Port Hueneme	Southern	Ventura	20	01N	22W	SB	34.1484	-119.2126	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	D-1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Ventura County	Northern	Ventura	18	02N	20W	SB	34.25061	-119.0153	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	D-2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Any Field	Any Area	Camarillo	Northern	Ventura	19	02N	20W	SB	34.24497	-119.0157	hud	N	N	4/5/1955	PluggedDH
-1	4.11E+08	Ventavo III	N-1	Plugged	DH	Dry Hole	C4625	Century Pre	Any Field	Any Area	Ventura County	Northern	Ventura	36	03N	20W	SB	34.30148	-118.9241	hud	N	N		PluggedDH
-1	4.11E+08	Ventavo III	N-1	Plugged	DH	Dry Hole	C4625	Century Pre	Any Field	Any Area	Ventura County	Northern	Ventura	27	04N	19W	SB	34.29237	-118.9254	hud	N	N		PluggedDH
-1	4.11E+08	Taylor	S.W.S 1	Plugged	WS	Water Sour	A0610	Aera Energ	Any Field	Any Area	Ventura County	Northern	Ventura	32	03N	23W	SB	34.30477	-119.3052	Operator	N	N	4/22/1965	PluggedWS
-1	4.11E+08	Unidentifie	V	Plugged	OG	Oil & Gas	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42421	-118.7684	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	V-27	Plugged	DH	Dry Hole	4528	Jacob F. Ka	Any Field	Any Area	Ventura County	Northern	Ventura	32	05N	18W	SB	34.46855	-118.7812	hud	N	N		PluggedDH
-1	4.11E+08	Dominguez	W.S. 7	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Any Field	Any Area	Ventura County	Northern	Ventura	1	04N	19W	SB	34.46083	-118.7205	hud	N	N		PluggedDH
-1	4.11E+08	Unidentifie	Well No. 1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	21	04N	18W	SB	34.42345	-118.7646	hud	N	N		PluggedOG
-1	4.11E+08	Unidentifie	X	Plugged	OG	Oil & Gas	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42491	-118.7643	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	X-10	Plugged	DH	Dry Hole	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	9	03N	22W	SB	34.35688	-119.1858	hud	N	N	3/13/1954	PluggedDH
-1	4.11E+08	Lease by Ca	X-14	Plugged	DH	Dry Hole	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	21W	SB	34.35284	-119.101	hud	N	Y	9/7/1967	PluggedDH
-1	4.11E+08	Lease by Ca	X-17	Plugged	DH	Dry Hole	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	8	03N	21W	SB	34.35963	-119.1031	hud	N	N	6/3/1970	PluggedDH
-1	4.11E+08	Lease by Ca	X-18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	15	03N	22W	SB	34.32921	-119.1635	hud	N	N	7/27/1987	PluggedOG
-1	4.11E+08	Lease by Ca	X-3	Plugged	DH	Dry Hole	E0455	CalNRG Op	Any Field	Any Area	Ventura County	Northern	Ventura	10	03N	22W	SB	34.35207	-119.1671	hud	N	N	6/17/1951	PluggedDH
-1	4.11E+08	Unidentifie	Y	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42434	-118.7654	hud	N	N		PluggedDH
-1	4.11E+08	Unidentifie	Z	Plugged	DH	Dry Hole	C5640	Chevron U.	Any Field	Any Area	Ventura County	Northern	Ventura	16	04N	18W	SB	34.42524	-118.7639	hud	N	N		PluggedDH
-1	4.11E+08	Dryden	30	Canceled	WD	Water Disp	C0885	California F	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36197	-118.9218	Well Summ	N	Y	6/5/2017	CanceledWD
-1	4.11E+08	Dryden	31	Canceled	WD	Water Disp	C0885	California F	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36203	-118.9217	Well Summ	N	Y	4/17/2017	CanceledWD
-1	4.11E+08	Dryden	32	Canceled	WD	Water Disp	C0885	California F	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36208	-118.9217	Well Summ	N	Y	4/17/2017	CanceledWD
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35967	-118.9276	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35778	-118.9289	GPS	N	Y		IdleOG
-1	4.11E+08	Burson	1	Idle	DH	Dry Hole	9421	Hardly Able	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36624	-118.9189	hud	N	N		IdleDH
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36361	-118.9296	GPS	N	N	9/30/1997	IdleOG
-1	4.11E+08	Omega	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.3648	-118.9276	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36019	-118.9197	GPS	N	N		IdleOG
-1	4.11E+08	Unspecifie	1	Idle	OG	Oil & Gas	633	Bardsdale (	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36765	-118.9159	hud	N	N	1/1/1901	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36242	-118.9302	GPS	N	N		IdleOG
-1	4.11E+08	Santa Susa	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36055	-118.93	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	WD	Water Disp	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36396	-118.9272	GPS	N	Y	5/3/1969	IdleWD
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36439	-118.9212	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36087	-118.9279	GPS	N	N		IdleOG
-1	4.11E+08	Irwin	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3621	-118.9317	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36507	-118.934	GPS	N	Y	1/3/1998	IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35785	-118.9234	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	WD	Water Disp	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36517	-118.9238	GPS	N	N	11/3/1961	IdleWD
-1	4.11E+08	Lease by Ca	6-Oct	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.35996	-118.9067	Notice of Ir	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36532	-118.9338	GPS	N	Y	11/2/1997	IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36223	-118.9211	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6-Nov	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36521	-118.9089	Well Summ	N	Y	7/9/2019	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3611	-118.9211	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6-Dec	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36534	-118.909	Notice of Ir	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35998	-118.9212	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36338	-118.9209	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36183	-118.9182	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3606	-118.9161	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36353	-118.922	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36361	-118.923	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36312	-118.9241	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36258	-118.9224	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36228	-118.9241	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36176	-118.9199	GPS	N	N	9/15/1944	IdleOG
-1	4.11E+08	Burson	2	Idle	DH	Dry Hole	9421	Hardly Able	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36646	-118.919	hud	N	N		IdleDH
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35828	-118.9303	GPS	N	N		IdleOG
-1	4.11E+08	Burson	2	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36481	-118.9196	hud	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Elkins	2	Idle	OG	Oil & Gas	V0725	Vaquero Er	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35991	-118.918	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35929	-118.9254	GPS	N	N		IdleOG
-1	4.11E+08	Elkins	1-Feb	Idle	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36125	-118.9147	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36231	-118.9253	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36129	-118.9213	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	WF	Waterfloo	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36336	-118.9251	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	22	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36077	-118.928	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35889	-118.9211	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35844	-118.9282	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35808	-118.9251	GPS	N	N	11/9/1951	IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36218	-118.9218	GPS	N	Y	3/29/1997	IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36187	-118.922	GPS	N	Y	6/8/1997	IdleOG
-1	4.11E+08	Lease by Ca	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36207	-118.9221	Well Summ	N	Y	4/13/2012	IdleOG
-1	4.11E+08	Elkins	3	Idle	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35986	-118.9199	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36118	-118.9263	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36461	-118.9232	GPS	N	N		IdleOG
-1	4.11E+08	Dryden	3	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36248	-118.9246	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36108	-118.9189	GPS	N	N	12/6/1944	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35945	-118.9296	GPS	N	Y	11/10/1960	IdleOG
-1	4.11E+08	Lease by Ca	3S-7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35209	-118.9169	Well Summ	N	Y	4/28/2012	IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35952	-118.9311	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36115	-118.9264	GPS	N	N	11/29/1999	IdleOG
-1	4.11E+08	Elkins	4	Idle	WF	Waterfloo	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3582	-118.9186	GPS	N	N	12/7/1949	IdleWF
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36206	-118.9184	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35747	-118.9296	GPS	N	N		IdleOG
-1	4.11E+08	Dryden	5	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36317	-118.9238	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36096	-118.9196	GPS	N	N		IdleOG
-1	4.11E+08	Dryden	6	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36427	-118.9247	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35875	-118.9191	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36322	-118.92	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36527	-118.9337	GPS	N	N	3/3/1975	IdleOG
-1	4.11E+08	Dryden	7	Idle	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36179	-118.9246	Well Summ	N	N	12/09/1896	IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36614	-118.9212	GPS	N	N		IdleOG
-1	4.11E+08	Elkins	8	Idle	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36042	-118.9137	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36095	-118.9195	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36523	-118.9338	GPS	N	N	11/20/1996	IdleOG
-1	4.11E+08	Bardsdale-I	8	Idle	OG	Oil & Gas	U0200	Union Oil C	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3588	-118.9303	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.361	-118.9177	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	WD	Water Disp	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36557	-118.9228	GPS	N	N		IdleWD
-1	4.11E+08	Well No.	1	Active	OG	Oil & Gas	T2305	Thompson	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35692	-118.9195	hud	N	N	3/10/1951	ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36209	-118.9297	hud	N	N		ActiveOG
-1	4.11E+08	Burson	1	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36442	-118.9183	GPS	N	N		ActiveOG
-1	4.11E+08	Bardsdale	1	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3604	-118.9154	hud	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	6-Jan	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36465	-118.9195	Well Summ	N	Y	6/11/2014	ActiveOG
-1	4.11E+08	Lease by Ca	7-Jan	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35226	-118.9171	Well Summ	N	Y	5/22/2011	ActiveOG
-1	4.11E+08	Lease by Ca	12	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36282	-118.9175	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	18	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36361	-118.9253	GPS	N	N		ActiveOG
-1	4.11E+08	Bardsdale	2	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35946	-118.9158	hud	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36115	-118.9263	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	6-Feb	Active	UNK	Unknown	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36479	-118.9195	Notice of Ir	N	Y	7/11/2012	ActiveUNK
-1	4.11E+08	Lease by Ca	27	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36182	-118.9217	GPS	N	Y	6/27/1997	ActiveOG
-1	4.11E+08	Lease by Ca	2D-7	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35227	-118.9174	Well Summ	N	Y	1/2/2012	ActiveOG
-1	4.11E+08	Burson	3	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36427	-118.9201	GPS	N	N	6/25/1956	ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35966	-118.9289	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36122	-118.9263	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	6-Apr	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36449	-118.9194	Notice of Ir	N	Y	6/11/2014	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35814	-118.9254	Well Summ	N	Y	5/13/2012	ActiveOG
-1	4.11E+08	Elkins	5	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35828	-118.9182	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36283	-118.9192	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35875	-118.9182	hud	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	6-May	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36463	-118.9186	Well Summ	N	Y	10/5/2017	ActiveOG
-1	4.11E+08	Elkins	6	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35825	-118.9172	GPS	N	N		ActiveOG
-1	4.11E+08	Elkins	7	Active	OG	Oil & Gas	T2425	Thompco Ir	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35719	-118.9196	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	7	Active	WD	Water Disp	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36443	-118.9243	GPS	N	Y	11/13/1957	ActiveWD
-1	4.11E+08	Lease by Ca	9	Active	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36516	-118.9339	GPS	N	N	8/2/1997	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hunter-Rol	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36489	-118.9306	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36024	-118.9337	GPS	N	N	04/04/1894	PluggedOG
-1	4.11E+08	Irwin-Beryl	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36184	-118.9333	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	632	Bardsdale (	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36062	-118.92	hud	N	N		PluggedOG
-1	4.11E+08	Dryden	1	Plugged	DH	Dry Hole	S0900	San Marinc	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35627	-118.9194	GPS	N	N	12/8/1958	PluggedDH
-1	4.11E+08	Dryden	1	Plugged	OG	Oil & Gas	5015	Knieper an	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35162	-118.9175	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4676	John Barne	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36347	-118.9148	hud	N	N		PluggedOG
-1	4.11E+08	Burson	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.3648	-118.919	hud	N	N	1/17/1945	PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3639	-118.9196	hud	N	N		PluggedOG
-1	4.11E+08	Burson	1	Plugged	OG	Oil & Gas	C4500	Central Lea	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.3665	-118.9199	hud	N	N	12/31/1968	PluggedOG
-1	4.11E+08	Geis-Dryde	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35592	-118.9208	hud	N	N		PluggedOG
-1	4.11E+08	H.E. McLair	1	Plugged	DH	Dry Hole	3638	H. E. McLai	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35872	-118.9234	hud	N	N		PluggedDH
-1	4.11E+08	Elkins	1	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36134	-118.9138	Well Summ	N	N	5/2/1952	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	5861	Merchants	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36713	-118.9165	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	9170	Westoil Co	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36523	-118.9081	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35932	-118.9331	GPS	N	N		PluggedOG
-1	4.11E+08	Robertson	1	Plugged	DH	Dry Hole	6212	Nelson J Ha	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36614	-118.9243	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.3644	-118.9231	GPS	N	N	02/22/1893	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8723	Valley Oil C	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36586	-118.92	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36304	-118.9201	GPS	N	N	6/24/1941	PluggedOG
-1	4.11E+08	Five Brothe	1	Plugged	DH	Dry Hole	H6150	Kenneth H.	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36657	-118.9195	hud	N	N		PluggedDH
-1	4.11E+08	S.M.R.O.	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36485	-118.9258	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	9111	West Huas	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3605	-118.9287	hud	N	N		PluggedOG
-1	4.11E+08	Vancouver	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Bardsdale	Any Area	Ventura County	Northern	Ventura	11	03N	20W	SB	34.36057	-118.9385	hud	N	N		PluggedDH
-1	4.11E+08	Burson	1	Plugged	DH	Dry Hole	6044	Montebell	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36634	-118.9188	hud	N	N		PluggedDH
-1	4.11E+08	D. & D.-Elki	1	Plugged	OG	Oil & Gas	D4100	C. D. Drauc	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37123	-118.915	hud	N	Y		PluggedOG
-1	4.11E+08	Dryden	1	Plugged	OG	Oil & Gas	7819	Shell Oil Co	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35681	-118.9167	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36001	-118.9107	hud	N	N		PluggedDH
-1	4.11E+08	K&H	1	Plugged	DH	Dry Hole	4904	Kenneth H.	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36826	-118.9163	hud	N	N		PluggedDH
-1	4.11E+08	C. E. Dryde	1	Plugged	OG	Oil & Gas	S0900	San Marinc	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35612	-118.9194	hud	N	N		PluggedOG
-1	4.11E+08	Draucker-B	1	Plugged	DH	Dry Hole	D4100	C. D. Drauc	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35379	-118.9341	hud	N	N		PluggedDH
-1	4.11E+08	Robertson	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36156	-118.929	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36329	-118.9243	GPS	N	N	03/25/1882	PluggedOG
-1	4.11E+08	Robertson	1	Plugged	DH	Dry Hole	4905	Kenneth H.	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.36687	-118.9229	hud	N	N		PluggedDH
-1	4.11E+08	U.S.D.H.	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35354	-118.9228	hud	N	N		PluggedOG
-1	4.11E+08	Volunteer-I	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36106	-118.9253	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	801	Bill Tombe	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35633	-118.9347	hud	N	N		PluggedDH
-1	4.11E+08	Annie Elkin	1	Plugged	DH	Dry Hole	6627	Palma Oil C	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36577	-118.9041	hud	N	N		PluggedDH
-1	4.11E+08	Doc	1	Plugged	OG	Oil & Gas	2291	Duke Oil Co	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36105	-118.906	hud	N	N		PluggedOG
-1	4.11E+08	Burson	1-A	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36453	-118.9201	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36263	-118.9198	GPS	N	N	8/23/1949	PluggedOG
-1	4.11E+08	Acorn	10	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36013	-118.9337	hud	N	N	3/1/1931	PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36229	-118.9278	GPS	N	N	03/25/1887	PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36156	-118.9182	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36238	-118.926	GPS	N	N	04/13/1897	PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36192	-118.9288	GPS	N	N	06/04/1897	PluggedOG
-1	4.11E+08	Capitol Cru	13	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36318	-118.918	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3624	-118.9291	GPS	N	N	08/17/1898	PluggedOG
-1	4.11E+08	Lease by Ca	14	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36391	-118.9258	GPS	N	N	03/31/1899	PluggedOG
-1	4.11E+08	Lease by Ca	15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36255	-118.9285	GPS	N	N	12/4/1916	PluggedOG
-1	4.11E+08	Lease by Ca	16	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3581	-118.9264	GPS	N	N	4/4/1937	PluggedMulti
-1	4.11E+08	Lease by Ca	16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36062	-118.9171	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	17	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36273	-118.9263	GPS	N	N		PluggedOG
-1	4.11E+08	Capitol Cru	17	Plugged	OG	Oil & Gas	1489	Channel Oi	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36149	-118.9171	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	19	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36364	-118.9268	GPS	N	N	6/29/1948	PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36313	-118.9287	GPS	N	N	12/17/1891	PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36461	-118.9226	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36261	-118.9241	GPS	N	N	06/16/1892	PluggedOG
-1	4.11E+08	Dryden	2	Plugged	OG	Oil & Gas	7819	Shell Oil Co	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3526	-118.9174	hud	N	N	12/29/1950	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	8723	Valley Oil C	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36853	-118.9174	hud	N	N		PluggedOG
-1	4.11E+08	Burson	2	Plugged	OG	Oil & Gas	2934	Fillmore Im	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36552	-118.9178	hud	N	N	5/30/1945	PluggedOG
-1	4.11E+08	Burson	2	Plugged	OG	Oil & Gas	C4500	Central Lea	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36768	-118.9168	hud	N	N	6/4/1969	PluggedOG
-1	4.11E+08	Elkins Ranc	2	Plugged	DH	Dry Hole	9425	Kenneth H.	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36827	-118.9146	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36405	-118.925	GPS	N	N		PluggedOG
-1	4.11E+08	Burson	2	Plugged	DH	Dry Hole	6044	Montebell	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36552	-118.9172	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	K&H	2	Plugged	DH	Dry Hole	4904	Kenneth H.	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36893	-118.9172	hud	N	Y		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	632	Bardsdale (	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36378	-118.9155	hud	N	N		PluggedOG
-1	4.11E+08	Vancouver	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Bardsdale	Any Area	Ventura County	Northern	Ventura	11	03N	20W	SB	34.35979	-118.9418	hud	N	N		PluggedDH
-1	4.11E+08	Milner-Wil	2	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35679	-118.9232	hud	N	N	2/27/1945	PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35983	-118.9333	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36017	-118.9342	GPS	N	N	3/27/1901	PluggedOG
-1	4.11E+08	Robertson	2	Plugged	OG	Oil & Gas	S0900	San Marinc	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35625	-118.9282	hud	N	N	10/21/1952	PluggedOG
-1	4.11E+08	H.E. McLair	2	Plugged	DH	Dry Hole	3638	H. E. McLai	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35786	-118.9225	hud	N	N	10/7/1920	PluggedDH
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36451	-118.9222	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	9111	West Huas	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.359	-118.9289	hud	N	N		PluggedOG
-1	4.11E+08	Irwin-Beryl	2	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36184	-118.9332	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	2-Feb	Plugged	OG	Oil & Gas	O1700	Olson & Gr	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3628	-118.9149	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	21	Plugged	WF	Waterflood	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36259	-118.9231	GPS	N	N		PluggedWF
-1	4.11E+08	Dryden	22	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36107	-118.9237	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	24	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3576	-118.9208	GPS	N	N		PluggedOG
-1	4.11E+08	San Marinc	24	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3617	-118.9299	hud	N	N	5/27/1950	PluggedOG
-1	4.11E+08	Lease by Ca	26	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35603	-118.926	GPS	N	N	5/15/1951	PluggedMulti
-1	4.11E+08	San Marinc	27	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36527	-118.93	hud	N	N		PluggedOG
-1	4.11E+08	San Marinc	29	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36443	-118.9272	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36059	-118.9259	GPS	N	N	1/15/1949	PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35882	-118.9333	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36273	-118.9253	GPS	N	N	04/06/1892	PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	9111	West Huas	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3588	-118.928	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3642	-118.9243	GPS	N	N	10/12/1896	PluggedOG
-1	4.11E+08	Omega	3	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36494	-118.9253	hud	N	N		PluggedOG
-1	4.11E+08	Burson	3	Plugged	DH	Dry Hole	H6400	Hunter-Sca	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36659	-118.9198	hud	N	N		PluggedDH
-1	4.11E+08	Milner-Wil	3	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35677	-118.9209	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.36234	-118.9141	hud	N	N		PluggedDH
-1	4.11E+08	George Ath	3	Plugged	DH	Dry Hole	N0825	Neaves Pet	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.34993	-118.9161	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	3	Plugged	DH	Dry Hole	3638	H. E. McLai	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35684	-118.9188	hud	N	N	8/3/1921	PluggedDH
-1	4.11E+08	Irwin-Beryl	3	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36481	-118.9337	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36	-118.9347	GPS	N	N	5/1/1901	PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35859	-118.9334	GPS	N	N		PluggedOG
-1	4.11E+08	Elkins	4	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35873	-118.9199	hud	N	N		PluggedOG
-1	4.11E+08	Dryden	4	Plugged	OG	Oil & Gas	5976	Milnen Oil	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.35669	-118.9173	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36445	-118.9242	GPS	N	N	6/17/1948	PluggedOG
-1	4.11E+08	Omega	4	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36486	-118.9256	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35996	-118.9338	GPS	N	N	1/1/1900	PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.3619	-118.9252	GPS	N	N	07/23/1892	PluggedOG
-1	4.11E+08	Irwin-Beryl	4	Plugged	DH	Dry Hole	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.3672	-118.9349	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36367	-118.9231	GPS	N	N	07/10/1893	PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36481	-118.9238	GPS	N	N	01/09/1897	PluggedOG
-1	4.11E+08	Burson	4	Plugged	OG	Oil & Gas	4848	K. H. Hunte	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36778	-118.9168	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36523	-118.9226	GPS	N	N	12/16/1948	PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36467	-118.9206	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35918	-118.9339	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36235	-118.9265	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35911	-118.9332	GPS	N	N		PluggedOG
-1	4.11E+08	Irwin-Beryl	5	Plugged	DH	Dry Hole	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36725	-118.9348	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36485	-118.9212	GPS	N	N	5/11/1954	PluggedOG
-1	4.11E+08	Robertson	6	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36371	-118.9259	hud	N	N		PluggedOG
-1	4.11E+08	Irwin-Beryl	6	Plugged	DH	Dry Hole	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36489	-118.9354	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35884	-118.9344	GPS	N	N		PluggedOG
-1	4.11E+08	Robertson	6	Plugged	OG	Oil & Gas	S0900	San Marinc	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35623	-118.9281	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	1	03N	20W	SB	34.36481	-118.9212	GPS	N	N	05/23/1899	PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35892	-118.9324	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6-Jun	New	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36463	-118.9197	Notice of Ir	N	N		NewOG
-1	4.11E+08	Elkins	7	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	7	03N	19W	SB	34.3606	-118.917	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36163	-118.9274	GPS	N	N	01/07/1893	PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35942	-118.9317	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35861	-118.934	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6-Jul	New	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36462	-118.9198	Notice of Ir	N	N		NewOG
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35896	-118.9338	GPS	N	N		PluggedOG
-1	4.11E+08	Dryden	8	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36413	-118.9227	hud	N	N		PluggedOG
-1	4.11E+08	Robertson	8	Plugged	OG	Oil & Gas	P3875	Freeport-M	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36379	-118.9252	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.35932	-118.9349	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36306	-118.9269	GPS	N	N	11/20/1896	PluggedOG
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Bardsdale	Any Area	Ventura County	Northern	Ventura	12	03N	20W	SB	34.36369	-118.9209	GPS	N	N	12/22/1897	PluggedOG
-1	4.11E+08	Lease by W	1	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33367	-118.8073	Notice of Ir	N	N	5/1/2014	IdleOG
-1	4.11E+08	Lease by W	19-Jan	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33341	-118.8074	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	19-Dec	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.3332	-118.8079	GPS	N	Y	10/3/1996	IdleOG
-1	4.11E+08	Lease by W	2	Idle	WF	Waterfloo	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33013	-118.8018	GPS	N	N		IdleWF
-1	4.11E+08	Lease by W	19-Feb	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33337	-118.8075	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	3	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	18W	SB	34.32916	-118.7953	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	19-Apr	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33347	-118.8072	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	19-Jun	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33202	-118.8129	GPS	N	N	2/27/1993	IdleOG
-1	4.11E+08	Lease by W	19-Jul	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33328	-118.8079	GPS	N	Y	11/1/1993	IdleOG
-1	4.11E+08	Lease by W	19-Sep	Idle	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33329	-118.8078	GPS	N	Y	11/16/1993	IdleOG
-1	4.11E+08	Lease by W	1	Active	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33001	-118.802	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by W	19-Oct	Active	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33355	-118.8073	GPS	N	Y	9/1/1996	ActiveOG
-1	4.11E+08	Lease by W	19-Nov	Active	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33321	-118.8079	GPS	N	Y	11/8/1996	ActiveOG
-1	4.11E+08	Lease by W	2	Active	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.32955	-118.7971	GPS	N	N	9/23/1966	ActiveOG
-1	4.11E+08	Lease by W	19-May	Active	OG	Oil & Gas	11109	West Energ	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.3333	-118.8076	GPS	N	N		ActiveOG
-1	4.11E+08	Rancho Taj	25-20	Plugged	OG	Oil & Gas	C5640	Chevron U.	Big Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	18W	SB	34.32875	-118.7944	hud	N	Y		PluggedOG
-1	4.11E+08	Rancho Taj	36-20	Plugged	OG	Oil & Gas	C5640	Chevron U.	Big Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	18W	SB	34.32584	-118.7931	hud	N	N		PluggedOG
-1	4.11E+08	Big Mounta	6	Plugged	OG	Oil & Gas	P3875	Freeport-M	Big Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	18W	SB	34.33103	-118.8011	hud	N	Y		PluggedOG
-1	4.11E+08	Vivian Rose	1	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17125	-119.1341	hud	N	Y	2/16/2006	ActiveOG
-1	4.11E+08	Naumann	1	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	19	01N	21W	SB	34.1603	-119.131	hud	N	N	4/6/1987	ActiveOG
-1	4.11E+08	Vivian Rose	2	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17126	-119.1341	GPS	N	Y	3/22/2006	ActiveOG
-1	4.11E+08	Vivian Rose	3	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17127	-119.1343	GPS	N	Y	5/1/2006	ActiveOG
-1	4.11E+08	Vivian Rose	4	Active	WD	Water Disp	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17125	-119.1343	Well Summ	N	Y	12/20/2007	ActiveWD
-1	4.11E+08	Vivian Rose	5	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17131	-119.1343	Well Summ	N	Y	3/2/2010	ActiveOG
-1	4.11E+08	Vivian Rose	6	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17124	-119.1345	Notice of Ir	N	Y	4/2/2011	ActiveOG
-1	4.11E+08	Vivian Rose	7	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17124	-119.1346	Well Summ	N	Y	3/17/2012	ActiveOG
-1	4.11E+08	Vivian Rose	8	Active	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.17124	-119.1346	Well Summ	Y	Y	1/8/2021	ActiveOG
-1	4.11E+08	Eastwood	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Cabrillo	Any Area	Ventura County	Northern	Ventura	24	01N	22W	SB	34.15543	-119.143	hud	N	N	3/25/1929	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5650	Magu Synd	Cabrillo	Any Area	Ventura County	Northern	Ventura	17	01N	21W	SB	34.16206	-119.1045	hud	N	N		PluggedDH
-1	4.11E+08	Nishimoto	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Cabrillo	Any Area	Oxnard	Northern	Ventura	13	01N	22W	SB	34.16351	-119.1407	hud	N	N	3/1/1985	PluggedDH
-1	4.11E+08	Vivian Rose	10	New	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17151	-119.1346	Notice of Ir	N	Y		NewOG
-1	4.11E+08	Vivian Rose	9	New	OG	Oil & Gas	R1050	Renaissanc	Cabrillo	Any Area	Ventura County	Northern	Ventura	13	01N	22W	SB	34.17144	-119.1336	Notice of Ir	Y	Y		NewOG
-1	4.11E+08	ACL	2	Idle	OG	Oil & Gas	10460	Hammond	Canada Larga	Any Area	Ventura County	Northern	Ventura	36	04N	23W	SB	34.38126	-119.2354	GPS	N	N	11/1/1955	IdleOG
-1	4.11E+08	?		Plugged	DH	Dry Hole	9423	Weldon Oil	Canada Larga	Any Area	Ventura County	Northern	Ventura	36	04N	23W	SB	34.37843	-119.2363	hud	N	N		PluggedDH
-1	4.11E+08	ACL	1	Plugged	OG	Oil & Gas	10460	Hammond	Canada Larga	Any Area	Ventura County	Northern	Ventura	36	04N	23W	SB	34.38249	-119.2345	Well Summ	N	N	6/9/1955	PluggedOG
-1	4.11E+08	ACL	3	Plugged	OG	Oil & Gas	10460	Hammond	Canada Larga	Any Area	Ventura County	Northern	Ventura	31	04N	22W	SB	34.38267	-119.233	Well Summ	N	N	3/16/1956	PluggedOG
-1	4.11E+08	Unspecifie	Unknown 2	Plugged	DH	Dry Hole	9423	Weldon Oil	Canada Larga	Any Area	Ventura County	Northern	Ventura	36	04N	23W	SB	34.3782	-119.2354	hud	N	N		PluggedDH
-1	4.11E+08	Ventura Re	34X-1	Idle	WD	Water Disp	C7465	Concordia I	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37128	-118.8251	GPS	N	Y	2/26/1981	IdleWD
-1	4.11E+08	Davis U.S.L	83X-2	Idle	OG	Oil & Gas	C7465	Concordia I	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	2	03N	19W	SB	34.37349	-118.8346	hud	N	Y		IdleOG
-1	4.11E+08	Ventura Re	1	Active	OG	Oil & Gas	C7465	Concordia I	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.3713	-118.825	GPS	N	Y		ActiveOG
-1	4.11E+08	Ventura Re	14X-1	Active	OG	Oil & Gas	C7465	Concordia I	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37136	-118.8251	GPS	N	Y		ActiveOG
-1	4.11E+08	Ventura Re	63X-1	Active	OG	Oil & Gas	C7465	Concordia I	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37138	-118.825	GPS	N	Y		ActiveOG
-1	4.11E+08	Ventura Re	83X-1	Active	OG	Oil & Gas	C7465	Concordia I	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.3712	-118.8251	GPS	N	Y		ActiveOG
-1	4.11E+08	Ventura Re	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37271	-118.8176	hud	N	N		PluggedDH
-1	4.11E+08	Venreco	1	Plugged	DH	Dry Hole	3759	Hamilton a	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37336	-118.8177	hud	N	N		PluggedDH
-1	4.11E+08	Hunter	1	Plugged	UNK	Unknown	C5640	Chevron U.	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37721	-118.8117	Well Summ	N	N	8/5/1956	PluggedUNK
-1	4.11E+08	Wiley Cany	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.3711	-118.8138	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4062	Hopland Oi	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37665	-118.8247	hud	N	N		PluggedDH
-1	4.11E+08	Ford	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.3686	-118.8198	hud	N	N		PluggedDH
-1	4.11E+08	Ventura Re	1	Plugged	DH	Dry Hole	6368	Oak Ridge (	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37461	-118.8241	hud	N	N		PluggedDH
-1	4.11E+08	Ventura Re	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.3712	-118.8275	hud	N	N		PluggedDH
-1	4.11E+08	Dolley	1	Plugged	OG	Oil & Gas	7021	R. B. Watki	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37529	-118.8117	hud	N	N		PluggedOG
-1	4.11E+08	Hunter	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37643	-118.8094	hud	N	N	2/25/1957	PluggedOG
-1	4.11E+08	Ventura Re	2	Plugged	DH	Dry Hole	6368	Oak Ridge (	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	1	03N	19W	SB	34.37175	-118.8246	hud	N	N		PluggedDH
-1	4.11E+08	Hunter	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Chaffee Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37361	-118.8104	hud	N	N		PluggedOG
-1	4.11E+08	Borchard	1	Canceled	OG	Oil & Gas	8926	W. L. Alexa	Conejo (ABD)	Any Area	Thousand Oaks	Northern	Ventura	3	01N	20W	SB	34.1991	-118.9568	hud	N	N		CanceledOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	528	B & B Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9881	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	1806	Conejo Syn	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	5	01N	20W	SB	34.20424	-118.9918	hud	N	N		IdleDH
-1	4.11E+08	Equity	1	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20317	-118.989	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	8558	Trinitas Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20465	-118.9897	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	8446	Thompson	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20641	-118.9868	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	2263	Dr. J. Von C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20015	-118.9879	hud	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	4154	Huntingtor	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	5	01N	20W	SB	34.20325	-119.0025	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	1505	Charles E. (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9879	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	5384	Logsdon &	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9894	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	7328	Rio Virgin (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20429	-118.9879	hud	N	N		IdleOG
-1	4.11E+08	Equity	10	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20432	-118.9892	hud	N	N		IdleOG
-1	4.11E+08	Well No.	10	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20078	-118.9883	hud	N	N		IdleOG
-1	4.11E+08	Well No.	11	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20038	-118.9883	hud	N	N		IdleOG
-1	4.11E+08	Well No.	12	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.19992	-118.9884	hud	N	N		IdleOG
-1	4.11E+08	Well No.	13	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20432	-118.9888	hud	N	N		IdleOG
-1	4.11E+08	Well No.	14	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.1994	-118.982	hud	N	N		IdleOG
-1	4.11E+08	Well No.	15	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20409	-118.9888	hud	N	N		IdleOG
-1	4.11E+08	Well No.	16	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20357	-118.989	hud	N	N		IdleOG
-1	4.11E+08	Well No.	16	Idle	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	04N	20W	SB	34.2082	-118.9881	hud	N	N		IdleOG
-1	4.11E+08	Well No.	17	Idle	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	04N	20W	SB	34.20716	-118.9875	hud	N	N		IdleOG
-1	4.11E+08	Well No.	18	Idle	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20222	-118.9882	hud	N	N		IdleOG
-1	4.11E+08	Equity	2	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20266	-118.9891	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	528	B & B Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20358	-118.9842	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	5384	Logsdon &	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2026	-118.9895	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20437	-118.9885	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	8558	Trinitas Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20465	-118.9893	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	7328	Rio Virgin (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20426	-118.9873	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	4167	Hutchinsor	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.19881	-118.9793	hud	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	OG	Oil & Gas	528	B & B Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20186	-118.9881	hud	N	N		IdleOG
-1	4.11E+08	Equity	3	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20221	-118.989	hud	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	OG	Oil & Gas	5384	Logsdon &	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20192	-118.9894	hud	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2038	-118.9885	hud	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	OG	Oil & Gas	7328	Rio Virgin (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20175	-118.9842	hud	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	DH	Dry Hole	1312	Camarillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20926	-118.9863	hud	N	N		IdleDH
-1	4.11E+08	Unspecifie	3	Idle	OG	Oil & Gas	1319	Camerillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20145	-118.9773	hud	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	OG	Oil & Gas	8558	Trinitas Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20465	-118.9888	hud	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	8558	Trinitas Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20472	-118.9883	hud	N	N		IdleOG
-1	4.11E+08	Viking	4	Idle	OG	Oil & Gas	984	Burns Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20273	-118.9854	hud	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	528	B & B Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20147	-118.9881	hud	N	N		IdleOG
-1	4.11E+08	Equity	4	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20186	-118.989	hud	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20335	-118.9886	hud	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	5384	Logsdon &	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20158	-118.9892	hud	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	7327	Rio Virgin (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20027	-118.9898	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	4	Idle	OG	Oil & Gas	1319	Camerillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20105	-118.9759	hud	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	8558	Trinitas Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20472	-118.9877	hud	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	306	American (	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20611	-118.9686	hud	N	N		IdleOG
-1	4.11E+08	Equity	5	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20135	-118.9889	hud	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	528	B & B Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20107	-118.988	hud	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	5384	Logsdon &	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20124	-118.9894	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	5	Idle	OG	Oil & Gas	1319	Camerillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20133	-118.9759	hud	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20283	-118.9887	hud	N	N		IdleOG
-1	4.11E+08	Well No.	51	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20135	-118.9871	hud	N	N		IdleOG
-1	4.11E+08	Well No.	52	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20124	-118.9867	hud	N	N		IdleOG
-1	4.11E+08	Well No.	53	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20124	-118.9861	hud	N	N		IdleOG
-1	4.11E+08	Well No.	54	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20141	-118.9855	hud	N	N		IdleOG
-1	4.11E+08	Well No.	55	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20135	-118.9849	hud	N	N		IdleOG
-1	4.11E+08	Well No.	56	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20101	-118.9871	hud	N	N		IdleOG
-1	4.11E+08	Well No.	57	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2009	-118.9867	hud	N	N		IdleOG
-1	4.11E+08	Well No.	58	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20061	-118.9894	hud	N	N		IdleOG
-1	4.11E+08	Well No.	59	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20391	-118.9877	hud	N	N		IdleOG
-1	4.11E+08	Well No.	6	Idle	OG	Oil & Gas	306	American (	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20733	-118.9685	hud	N	N		IdleOG
-1	4.11E+08	Well No.	6	Idle	OG	Oil & Gas	5384	Logsdon &	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20095	-118.9893	hud	N	N		IdleOG
-1	4.11E+08	Equity	6	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20101	-118.9888	hud	N	N		IdleOG
-1	4.11E+08	Well No.	6	Idle	OG	Oil & Gas	2263	Dr. J. Von (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20249	-118.9886	hud	N	N		IdleOG
-1	4.11E+08	Well No.	60	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20027	-118.9892	hud	N	N		IdleOG
-1	4.11E+08	Well No.	61	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.19992	-118.9894	hud	N	N		IdleOG
-1	4.11E+08	Well No.	62	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2042	-118.9897	hud	N	N		IdleOG
-1	4.11E+08	Well No.	63	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20073	-118.9892	hud	N	N		IdleOG
-1	4.11E+08	Well No.	64	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20369	-118.9897	hud	N	N		IdleOG
-1	4.11E+08	Well No.	65	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20329	-118.9897	hud	N	N		IdleOG
-1	4.11E+08	Well No.	66	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20283	-118.9898	hud	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	67	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20267	-118.9862	hud	N	N		IdleOG
-1	4.11E+08	Well No.	68	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9898	hud	N	N		IdleOG
-1	4.11E+08	Well No.	69	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20186	-118.9898	hud	N	N		IdleOG
-1	4.11E+08	Equity	7	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20067	-118.9887	hud	N	N		IdleOG
-1	4.11E+08	Well No.	7	Idle	OG	Oil & Gas	2263	Dr. J. Von C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20198	-118.9886	hud	N	N		IdleOG
-1	4.11E+08	Well No.	70	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20129	-118.9898	hud	N	N		IdleOG
-1	4.11E+08	Well No.	71	Idle	OG	Oil & Gas	6178	National Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20084	-118.9897	hud	N	N		IdleOG
-1	4.11E+08	Well No.	8	Idle	OG	Oil & Gas	2263	Dr. J. Von C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20158	-118.9885	hud	N	N		IdleOG
-1	4.11E+08	Equity	8	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20015	-118.9888	hud	N	N		IdleOG
-1	4.11E+08	Equity	9	Idle	OG	Oil & Gas	2676	Equity Petr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.19981	-118.9889	hud	N	N		IdleOG
-1	4.11E+08	Well No.	9	Idle	OG	Oil & Gas	2263	Dr. J. Von C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20112	-118.9884	hud	N	N		IdleOG
-1	4.11E+08	Debbie	1	Plugged	OG	Oil & Gas	754	Bernhard C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20378	-118.9831	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20635	-118.9683	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	5045	L. A. Basin	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20289	-118.9894	hud	N	N	5/28/1942	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3794	Harold B. L	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20348	-118.9891	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20665	-118.9886	hud	N	N		PluggedOG
-1	4.11E+08	Camarillo	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.21087	-118.9927	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20409	-118.9842	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2362	E. C. McGa	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20869	-118.9859	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	1311	Camarillo C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20899	-118.9864	hud	N	N		PluggedOG
-1	4.11E+08	Viking	1	Plugged	OG	Oil & Gas	984	Burns Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20437	-118.9881	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	1319	Camerillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20061	-118.9879	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20665	-118.9682	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2889	Fallis Oil Co	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20714	-118.9676	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5948	Mike Mikel	Conejo (ABD)	Any Area	Thousand Oaks	Northern	Ventura	3	01N	20W	SB	34.19517	-118.9599	hud	N	N		PluggedDH
-1	4.11E+08	Camarillo	1	Plugged	OG	Oil & Gas	U0200	Union Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20466	-118.9872	hud	N	N		PluggedOG
-1	4.11E+08	Old Wyma	1	Plugged	OG	Oil & Gas	9377	Wyman & (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.2062	-118.9861	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20704	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3161	Fulkerson (	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20734	-118.9858	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20221	-118.9842	hud	N	N		PluggedOG
-1	4.11E+08	Sickler	1	Plugged	OG	Oil & Gas	6362	O. R. Sickle	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2018	-118.9786	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.2063	-118.9679	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	4167	Hutchinsor	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20357	-118.9894	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	4438	J. N. Bissell	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20969	-118.9895	hud	N	N		PluggedOG
-1	4.11E+08	Marie	1	Plugged	OG	Oil & Gas	1535	Charles W.	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.2098	-118.9948	hud	N	N		PluggedOG
-1	4.11E+08	Adamson	1	Plugged	OG	Oil & Gas	7253	Revo Oil Co	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	5	01N	20W	SB	34.20291	-119.0045	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3224	G. W. Chor	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20391	-118.9893	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	1967	D. A. Barth	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.20956	-118.9965	hud	N	N		PluggedOG
-1	4.11E+08	Calleguas	1	Plugged	OG	Oil & Gas	936	Brooknel P	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	33	02N	20W	SB	34.20674	-118.9835	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20408	-118.9837	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1-P	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20724	-118.9847	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20835	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20768	-118.988	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	7327	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.2066	-118.987	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20687	-118.9676	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	5736	Marvel Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20694	-118.9853	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.2066	-118.9675	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20869	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	5736	Marvel Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20687	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20711	-118.9873	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20169	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	12	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20865	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	12	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20892	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	12	Plugged	OG	Oil & Gas	5736	Marvel Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20671	-118.9859	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	12	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20783	-118.9676	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	12A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20414	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	13	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20775	-118.9864	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	13	Plugged	OG	Oil & Gas	5736	Marvel Oil	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20664	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	13	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.2063	-118.9675	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	13A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20363	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	14	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20919	-118.9858	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	14	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.206	-118.9674	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	14	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20839	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	14A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20317	-118.9856	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	15	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20798	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	15	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20687	-118.9672	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	15A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20272	-118.9858	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	16	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20687	-118.968	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	16A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	17	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20795	-118.9663	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	17A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20175	-118.9856	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	17B	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20414	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	18	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.2065	-118.9672	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	18A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20314	-118.9874	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	18A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20358	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	18B	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20318	-118.9851	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	19	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2042	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	19	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20818	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	19	Plugged	OG	Oil & Gas	1028	C. A. Hardi	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20654	-118.9679	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	19A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20272	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	19B	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20221	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20369	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20707	-118.9865	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	1806	Conejo Syn	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20342	-118.9852	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	1319	Camerillo P	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20033	-118.9875	hud	N	N		PluggedOG
-1	4.11E+08	Adamson	2	Plugged	OG	Oil & Gas	7253	Revo Oil Co	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	6	01N	20W	SB	34.19635	-119.0139	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20293	-118.985	hud	N	N		PluggedDH
-1	4.11E+08	Camarillo	2	Plugged	DH	Dry Hole	241	Allied Prop	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20175	-118.9847	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20711	-118.9856	hud	N	N		PluggedOG
-1	4.11E+08	Calleguas	2	Plugged	OG	Oil & Gas	936	Brooknel P	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	33	02N	20W	SB	34.20686	-118.983	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20627	-118.968	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20662	-118.9682	hud	N	N		PluggedOG
-1	4.11E+08	Marie	2	Plugged	DH	Dry Hole	1535	Charles W.	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.20763	-118.9932	hud	N	N		PluggedDH
-1	4.11E+08	Debbie	2	Plugged	OG	Oil & Gas	754	Bernhard C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20414	-118.9817	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.20706	-118.9669	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	5948	Mike Mikel	Conejo (ABD)	Any Area	Thousand Oaks	Northern	Ventura	3	01N	20W	SB	34.19326	-118.9604	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20724	-118.9671	hud	N	N		PluggedOG
-1	4.11E+08	Viking	2	Plugged	OG	Oil & Gas	984	Burns Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20397	-118.9881	hud	N	N		PluggedOG
-1	4.11E+08	Camarillo	2	Plugged	OG	Oil & Gas	U0200	Union Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20641	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	2362	E. C. McGa	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20842	-118.9859	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	4656	Joe Schuck	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20755	-118.9846	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	4438	J. N. Bissell	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20811	-118.9888	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2-P	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20785	-118.9846	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	20	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20896	-118.9854	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	20A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20175	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	20B	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20415	-118.9846	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	21	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20862	-118.9854	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	21A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20358	-118.9846	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	21B	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20318	-118.9846	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	22	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20842	-118.9853	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	22A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20266	-118.9848	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	22B	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20221	-118.9847	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	22B	Plugged	OG	Oil & Gas	4236	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20329	-118.9893	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	23	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20818	-118.9855	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	24	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20812	-118.9853	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	25	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20792	-118.9855	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	26	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20785	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	27	Plugged	OG	Oil & Gas	4237	Internatior	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20755	-118.9853	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	28	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20661	-118.987	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	29	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20787	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20317	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20375	-118.9872	hud	N	N		PluggedOG
-1	4.11E+08	Viking	3	Plugged	OG	Oil & Gas	984	Burns Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20352	-118.9882	hud	N	N		PluggedOG
-1	4.11E+08	Calleguas	3	Plugged	OG	Oil & Gas	936	Brooknel P	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20579	-118.9841	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20611	-118.9667	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	3	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20684	-118.9865	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20417	-118.9833	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	1967	D. A. Barth	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.20936	-118.9959	hud	N	N		PluggedDH
-1	4.11E+08	Camarillo	3	Plugged	OG	Oil & Gas	U0200	Union Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20449	-118.9869	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20317	-118.9873	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	3	Plugged	OG	Oil & Gas	4656	Joe Schuck	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20788	-118.9847	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	2362	E. C. McGa	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20818	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Debbie	3	Plugged	OG	Oil & Gas	754	Bernhard C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20341	-118.9822	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	5948	Mike Mikel	Conejo (ABD)	Any Area	Thousand Oaks	Northern	Ventura	3	01N	20W	SB	34.19725	-118.9595	hud	N	N		PluggedDH
-1	4.11E+08	Marie	3	Plugged	OG	Oil & Gas	1535	Charles W.	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.21	-118.9955	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	31	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20681	-118.985	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	31	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20667	-118.9874	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	32	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20674	-118.9854	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	33	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20654	-118.9856	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	34	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20644	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	35	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20718	-118.9853	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	36	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20711	-118.9851	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	37	Plugged	OG	Oil & Gas	7328	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20637	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	38	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20741	-118.985	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	39	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20919	-118.9855	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20272	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20221	-118.9872	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20266	-118.9872	hud	N	N		PluggedOG
-1	4.11E+08	Debbie	4	Plugged	OG	Oil & Gas	5516	M. A. Bernl	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.203	-118.9828	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20665	-118.9684	hud	N	N		PluggedOG
-1	4.11E+08	Calleguas	4	Plugged	OG	Oil & Gas	936	Brooknel P	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	33	02N	20W	SB	34.20626	-118.9828	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	DH	Dry Hole	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20245	-118.9855	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	2362	E. C. McGa	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20788	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.2063	-118.9855	hud	N	N		PluggedOG
-1	4.11E+08	Camarillo	4	Plugged	OG	Oil & Gas	U0200	Union Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20477	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	1967	D. A. Barth	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	32	02N	20W	SB	34.20916	-118.9963	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	40	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20946	-118.9856	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	41	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20946	-118.9854	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	42	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20966	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	42	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	33	02N	20W	SB	34.20929	-118.9851	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	42-56	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20741	-118.9865	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	43	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20906	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	43	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20929	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	44	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20899	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	44	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20876	-118.9852	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	45	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20865	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	45	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20848	-118.9851	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	46	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20835	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	46	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20822	-118.9851	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	47	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20798	-118.985	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	47	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20798	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	48	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20758	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	48	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	33	02N	20W	SB	34.20899	-118.9848	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	49	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20711	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	49	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20876	-118.9849	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20226	-118.9867	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	5	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20272	-118.9844	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20624	-118.9685	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	5	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20691	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	2362	E. C. McGa	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20761	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Viking	5	Plugged	OG	Oil & Gas	984	Burns Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20306	-118.9882	hud	N	N		PluggedOG
-1	4.11E+08	Calleguas	5	Plugged	OG	Oil & Gas	936	Brooknel P	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	33	02N	20W	SB	34.20604	-118.9827	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20175	-118.9872	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	DH	Dry Hole	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2025	-118.9848	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	50	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20681	-118.9868	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	50	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20848	-118.9848	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	51	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.2095	-118.9865	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	51	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20825	-118.9848	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	52	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20916	-118.9866	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	52	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20805	-118.9848	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	53	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20882	-118.9866	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	53	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20765	-118.9848	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	54	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20848	-118.9866	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	55	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20822	-118.9866	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	56	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20781	-118.9866	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	58	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20432	-118.9877	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20175	-118.9867	hud	N	N		PluggedOG
-1	4.11E+08	Viking	6	Plugged	OG	Oil & Gas	984	Burns Oil C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20266	-118.9882	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	6	Plugged	OG	Oil & Gas	1319	Camerillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20133	-118.9751	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20842	-118.9847	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	DH	Dry Hole	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2029	-118.9846	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	2362	E. C. McGa	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20728	-118.9861	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	60	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20038	-118.987	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	61	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20055	-118.9867	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	62	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20073	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	63	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20352	-118.9878	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	64	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20312	-118.9878	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	65	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20266	-118.9877	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	66	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20221	-118.9876	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	67	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20181	-118.9876	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	68	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20475	-118.9864	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	68	Plugged	OG	Oil & Gas	293	America Oi	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20141	-118.9876	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	69	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20101	-118.9875	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20414	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20751	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	7	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20724	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20936	-118.986	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20601	-118.9682	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	70	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20067	-118.9873	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	71	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.2009	-118.9855	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20363	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	E3700	Exxon Mob	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20899	-118.9861	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20619	-118.9865	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	01N	20W	SB	34.20701	-118.9675	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	8	Plugged	DH	Dry Hole	1312	Camarillo F	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20956	-118.9862	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20778	-118.9858	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20317	-118.9862	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	4237	Internation	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20802	-118.9857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20757	-118.9894	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	306	American C	Conejo (ABD)	Any Area	Ventura County	Northern	Ventura	34	02N	20W	SB	34.20596	-118.966	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	7327	Rio Virgin C	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	33	02N	20W	SB	34.20657	-118.9866	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9A	Plugged	OG	Oil & Gas	161	Adolfo Carr	Conejo (ABD)	Any Area	Camarillo	Northern	Ventura	4	01N	20W	SB	34.20272	-118.9863	hud	N	N		PluggedOG
-1	4.11E+08	USL-Rogers	1	Idle	OG	Oil & Gas	T0240	TPC Operat	Del Valle	Main	Ventura County	Northern	Ventura	19	04N	17W	SB	34.42174	-118.7039	hud	N	N		IdleOG
-1	4.11E+08	Grubb	1	Plugged	DH	Dry Hole	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.24062	-119.1684	hud	N	N		PluggedDH
-1	4.11E+08	Standard S	1	Plugged	DH	Dry Hole	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.24403	-119.1703	GPS	N	Y		PluggedDH
-1	4.11E+08	Grubb	1	Plugged	DH	Dry Hole	S3100	Shell Weste	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.24114	-119.1675	GPS	N	Y	4/13/1928	PluggedDH
-1	4.11E+08	Campbell/A	1	Plugged	OG	Oil & Gas	T1735	Texinia Oil	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.246	-119.1733	GPS	N	Y		PluggedOG
-1	4.11E+08	W. C. Donl	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.24133	-119.1759	GPS	N	N		PluggedOG
-1	4.11E+08	Montalvo F	1	Plugged	OG	Oil & Gas	D1860	Deuel Petr	El Rio (ABD)	Any Area	Ventura County	Northern	Ventura	16	02N	22W	SB	34.25258	-119.1873	GPS	N	Y	3/21/1959	PluggedOG
-1	4.11E+08	H. O. Borch	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	21	02N	22W	SB	34.23504	-119.185	hud	N	N		PluggedOG
-1	4.11E+08	W. C. Donl	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.24538	-119.1769	GPS	N	N		PluggedOG
-1	4.11E+08	W. C. Donl	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	22	02N	22W	SB	34.24221	-119.1721	GPS	N	Y		PluggedOG
-1	4.11E+08	H. M. Borch	1-Mar	Plugged	DH	Dry Hole	C5640	Chevron U.	El Rio (ABD)	Any Area	Oxnard	Northern	Ventura	21	02N	22W	SB	34.24126	-119.1858	hud	N	N		PluggedDH
-1	4.11E+08	Hol-Har	1	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38498	-118.7846	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38989	-118.7826	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	1-A	Idle	OG	Oil & Gas	4311	J.B. Hebrick	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38416	-118.7785	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	10	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38574	-118.7816	hud	N	N		IdleOG
-1	4.11E+08	A. E. Sloan	101A	Idle	DH	Dry Hole	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.39073	-118.7773	Well Summ	N	N	1/17/1971	IdleDH
-1	4.11E+08	A. E. Sloan	103	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38554	-118.7853	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	12	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38835	-118.7829	hud	N	N		IdleOG
-1	4.11E+08	Well No.	15	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.3893	-118.7793	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38772	-118.7774	hud	N	N		IdleOG
-1	4.11E+08	Sloan	2X	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38622	-118.7838	GPS	N	N		IdleOG
-1	4.11E+08	Hol-Har	3	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38589	-118.7829	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38965	-118.7808	hud	N	N		IdleOG
-1	4.11E+08	Hol-Har	4	Idle	WD	Water Disp	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38503	-118.7821	GPS	N	N		IdleWD
-1	4.11E+08	Sloan	4X	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.3858	-118.7858	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38884	-118.7825	GPS	N	N		IdleOG
-1	4.11E+08	Hol-Har	7	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38652	-118.7826	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hol-Har	7A	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38692	-118.7826	GPS	N	N		IdleOG
-1	4.11E+08	Sloan	7X	Idle	OG	Oil & Gas	S0255	SMG Oil, LL	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38572	-118.7858	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	1321	Cameron O	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38731	-118.7855	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	1	Plugged	OG	Oil & Gas	8500	Torrey Petr	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38139	-118.7931	hud	N	N		PluggedOG
-1	4.11E+08	Thornbury-	1	Plugged	OG	Oil & Gas	8450	Thornbury	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38632	-118.7793	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2777	Eureka Cru	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38632	-118.7798	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2777	Eureka Cru	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38622	-118.7798	hud	N	N		PluggedOG
-1	4.11E+08	Sloan Ranc	1	Plugged	OG	Oil & Gas	P3100	Phillips Pet	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.39068	-118.7769	hud	N	N		PluggedOG
-1	4.11E+08	MacFarlan	1	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38361	-118.7781	hud	N	N		PluggedOG
-1	4.11E+08	Torrey Can	1	Plugged	OG	Oil & Gas	2177	Doheny Pa	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38315	-118.794	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8500	Torrey Petr	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38195	-118.7935	hud	N	N		PluggedOG
-1	4.11E+08	Smith Cany	1	Plugged	OG	Oil & Gas	2177	Doheny Pa	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38509	-118.7708	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7712	Schell & Je	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38691	-118.7851	hud	N	N		PluggedOG
-1	4.11E+08	Dolly Hunt	1	Plugged	OG	Oil & Gas	D4100	C. D. Drauc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38392	-118.7953	hud	N	N		PluggedOG
-1	4.11E+08	Hunter	1	Plugged	DH	Dry Hole	6387	Oceanic Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38229	-118.7934	hud	N	N		PluggedDH
-1	4.11E+08	Winnipeg	1	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.39079	-118.7832	GPS	N	N		PluggedOG
-1	4.11E+08	Texaco Slo	1	Plugged	WD	Water Disp	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38756	-118.7831	hud	N	N		PluggedWD
-1	4.11E+08	Sloan	1	Plugged	WD	Water Disp	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38859	-118.7836	GPS	N	N		PluggedWD
-1	4.11E+08	Alice	1	Plugged	OG	Oil & Gas	7532	S. H. Havlin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38962	-118.7799	hud	N	N		PluggedOG
-1	4.11E+08	Stephens-E	1	Plugged	DH	Dry Hole	2590	El Rika Oil (	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38606	-118.7793	hud	N	N	6/14/1945	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38489	-118.7782	GPS	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38474	-118.7758	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	6236	New Hope	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38538	-118.7711	hud	N	N		PluggedOG
-1	4.11E+08	Hol-Har	1-A	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38426	-118.7839	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	1-A	Plugged	OG	Oil & Gas	1321	Cameron O	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.3875	-118.7855	hud	N	N		PluggedOG
-1	4.11E+08	Hol-Har	1-B	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.3843	-118.7852	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	7712	Schell & Je	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38649	-118.7842	hud	N	N		PluggedOG
-1	4.11E+08	El Rika	10	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38529	-118.7784	hud	N	N		PluggedOG
-1	4.11E+08	A. E. Sloan	101	Plugged	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.39089	-118.7773	hud	N	N		PluggedOG
-1	4.11E+08	A. E. Sloan	102	Plugged	WD	Water Disp	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38556	-118.7852	GPS	N	N		PluggedWD
-1	4.11E+08	A. E. Sloan	104	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38666	-118.7872	GPS	N	N		PluggedOG
-1	4.11E+08	A. E. Sloan	105	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38574	-118.7854	hud	N	N		PluggedOG
-1	4.11E+08	Eureka	11	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38764	-118.7837	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	11	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38792	-118.7824	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.39034	-118.7806	hud	N	N		PluggedOG
-1	4.11E+08	El Rika	11	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.3834	-118.7785	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	7712	Schell & Je	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38597	-118.7841	hud	N	N		PluggedOG
-1	4.11E+08	El Rika	12	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38401	-118.7798	GPS	N	N		PluggedOG
-1	4.11E+08	Sloan	12	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38848	-118.783	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	13	Plugged	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38936	-118.7831	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	14	Plugged	OG	Oil & Gas	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38968	-118.7793	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	14	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38795	-118.7829	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	16	Plugged	OG	Oil & Gas	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.3856	-118.777	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	17	Plugged	OG	Oil & Gas	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.3865	-118.7812	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	18	Plugged	OG	Oil & Gas	7956	South Pacif	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38506	-118.7741	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	19	Plugged	OG	Oil & Gas	7956	South Pacif	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38521	-118.7732	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	1X	Plugged	DH	Dry Hole	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38536	-118.7863	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	1321	Cameron O	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38675	-118.7857	hud	N	N		PluggedOG
-1	4.11E+08	Hol-Har	2	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38562	-118.7843	GPS	N	N		PluggedOG
-1	4.11E+08	Thornbury-	2	Plugged	OG	Oil & Gas	8450	Thornbury	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38647	-118.7795	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	59	A.H. MacFa	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38605	-118.78	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	2777	Eureka Cru	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38562	-118.7795	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38432	-118.7837	hud	N	N		PluggedOG
-1	4.11E+08	Winnipeg	2	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38992	-118.7832	GPS	N	N		PluggedOG
-1	4.11E+08	Sloan	2	Plugged	OG	Oil & Gas	6712	Pauley Pet	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38749	-118.7819	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	7712	Schell & Je	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38663	-118.7849	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	8500	Torrey Petr	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38176	-118.7943	hud	N	N		PluggedOG
-1	4.11E+08	Dolly Hunt	2	Plugged	OG	Oil & Gas	D4100	C. D. Drauc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38413	-118.7946	hud	N	N	10/31/1963	PluggedOG
-1	4.11E+08	Well No.	20	Plugged	OG	Oil & Gas	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38688	-118.7803	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	21	Plugged	OG	Oil & Gas	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.388	-118.777	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	22	Plugged	DH	Dry Hole	2778	Eureka Oil	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38479	-118.771	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	60	A. H. Macfa	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38286	-118.7779	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38456	-118.7784	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38754	-118.7809	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	2777	Eureka Cru	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38554	-118.7788	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Winnipeg	3	Plugged	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38941	-118.7835	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38694	-118.7854	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	8500	Torrey Petr	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38211	-118.7931	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	3X	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38611	-118.7859	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38689	-118.786	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38426	-118.7792	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	W3175	Winnipeg (	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38833	-118.7832	GPS	N	N		PluggedOG
-1	4.11E+08	Sloan	4	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38938	-118.7822	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38378	-118.7785	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38625	-118.7844	hud	N	N		PluggedOG
-1	4.11E+08	Hol-Har	5	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.3867	-118.7842	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	DH	Dry Hole	2774	Eureka Can	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38308	-118.7758	hud	N	N		PluggedDH
-1	4.11E+08	Sloan	5X	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38475	-118.783	hud	N	Y		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38402	-118.7782	GPS	N	N		PluggedOG
-1	4.11E+08	Sloan	6	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38892	-118.7819	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38616	-118.7851	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	6X	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38796	-118.7845	GPS	N	N		PluggedOG
-1	4.11E+08	Sloan	7	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38913	-118.7837	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38451	-118.7781	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	2778	Eureka Oil (	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38957	-118.7818	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38571	-118.7856	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38663	-118.7852	hud	N	N		PluggedOG
-1	4.11E+08	Hol-Har	8	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38604	-118.7811	GPS	N	N		PluggedOG
-1	4.11E+08	El Rika	8	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38535	-118.7782	GPS	N	N		PluggedOG
-1	4.11E+08	Sloan	8	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38516	-118.7814	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	8X	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38538	-118.7856	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	7712	Schell & Jer	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38636	-118.7855	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	M5000	Mercury Oi	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38718	-118.7806	hud	N	N		PluggedOG
-1	4.11E+08	El Rika	9	Plugged	OG	Oil & Gas	1132	C.M.T. Proc	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	33	04N	18W	SB	34.38525	-118.7773	hud	N	N		PluggedOG
-1	4.11E+08	Sloan	9X	Plugged	OG	Oil & Gas	I0725	Intercontin	Eureka Canyon	Any Area	Ventura County	Northern	Ventura	32	04N	18W	SB	34.38455	-118.783	hud	N	N		PluggedOG
-1	4.11E+08	S	16	Idle	OG	Oil & Gas	P4325	PRE Resour	Fillmore	Any Area	Ventura County	Northern	Ventura	27	04N	20W	SB	34.39507	-118.9658	GPS	N	N	12/19/1981	IdleOG
-1	4.11E+08	S	14	Active	OG	Oil & Gas	P4325	PRE Resour	Fillmore	Any Area	Ventura County	Northern	Ventura	27	04N	20W	SB	34.39906	-118.9573	GPS	N	N	9/19/1957	ActiveOG
-1	4.11E+08	F5	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40659	-118.938	hud	N	N		PluggedOG
-1	4.11E+08	F4	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40649	-118.9419	hud	N	Y		PluggedOG
-1	4.11E+08	C	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.41768	-118.9175	hud	N	Y	6/22/1961	PluggedOG
-1	4.11E+08	MB	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41083	-118.9197	hud	N	Y		PluggedOG
-1	4.11E+08	Fillmore Co	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.40881	-118.9221	hud	N	Y		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3540	Great Repu	Fillmore	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.41829	-118.9107	hud	N	N		PluggedDH
-1	4.11E+08	B	1	Plugged	OG	Oil & Gas	2935	Fillmore La	Fillmore	Any Area	Ventura County	Northern	Ventura	20	04N	19W	SB	34.42031	-118.9004	hud	N	N	8/21/1960	PluggedOG
-1	4.11E+08	Kuenstler L	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	33	04N	20W	SB	34.39186	-118.9775	hud	N	Y		PluggedDH
-1	4.11E+08	S	1	Plugged	OG	Oil & Gas	P4325	PRE Resour	Fillmore	Any Area	Ventura County	Northern	Ventura	27	04N	20W	SB	34.39413	-118.9688	hud	N	N		PluggedOG
-1	4.11E+08	A	1	Plugged	OG	Oil & Gas	P4325	PRE Resour	Fillmore	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.41506	-118.9101	Operator	N	N	6/11/1959	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8758	Ventura Hi	Fillmore	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.4144	-118.914	hud	N	N		PluggedDH
-1	4.11E+08	FB	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.40883	-118.9221	hud	N	Y		PluggedOG
-1	4.11E+08	SMM	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.41272	-118.9214	hud	N	Y	1/6/1961	PluggedOG
-1	4.11E+08	FA	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.40405	-118.9245	hud	N	N		PluggedOG
-1	4.11E+08	McNab Est	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.40413	-118.9294	hud	N	Y		PluggedOG
-1	4.11E+08	SM	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.40555	-118.9279	hud	N	N		PluggedOG
-1	4.11E+08	PR	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39984	-118.9405	hud	N	Y		PluggedOG
-1	4.11E+08	F3	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40477	-118.9473	hud	N	Y		PluggedOG
-1	4.11E+08	K & M	1	Plugged	DH	Dry Hole	4987	King & Mar	Fillmore	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.413	-118.9155	hud	N	N		PluggedDH
-1	4.11E+08	U-R-S. Fillm	1	Plugged	OG	Oil & Gas	U0200	Union Oil C	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.39755	-118.9205	hud	N	N		PluggedOG
-1	4.11E+08	S. P. Unit N	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.40387	-118.9282	hud	N	N		PluggedOG
-1	4.11E+08	G	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.40416	-118.9259	hud	N	Y		PluggedOG
-1	4.11E+08	F6	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	24	04N	20W	SB	34.40869	-118.9352	hud	N	N		PluggedOG
-1	4.11E+08	P	1	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40225	-118.942	hud	N	N		PluggedOG
-1	4.11E+08	F1	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40374	-118.9445	hud	N	Y		PluggedOG
-1	4.11E+08	F	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.4141	-118.9136	hud	N	N		PluggedOG
-1	4.11E+08	Phillips	1	Plugged	DH	Dry Hole	1588	CHOB Oil C	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.41478	-118.9206	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	149	Acorn Petr	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39426	-118.9445	hud	N	N		PluggedOG
-1	4.11E+08	E	1	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	25	04N	20W	SB	34.40319	-118.9334	hud	N	N		PluggedOG
-1	4.11E+08	F2	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40561	-118.9409	hud	N	N		PluggedOG
-1	4.11E+08	S	10	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39942	-118.948	hud	N	N		PluggedOG
-1	4.11E+08	S	11	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39689	-118.9441	hud	N	N	5/14/1957	PluggedOG
-1	4.11E+08	S	12	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40214	-118.9497	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	S	13A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	35	04N	20W	SB	34.39285	-118.9513	hud	N	N		PluggedOG
-1	4.11E+08	S	15	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	27	04N	20W	SB	34.39517	-118.9635	hud	N	Y		PluggedOG
-1	4.11E+08	M	1A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41056	-118.9196	hud	N	Y		PluggedOG
-1	4.11E+08	F	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	19	04N	19W	SB	34.41419	-118.9137	hud	N	N		PluggedOG
-1	4.11E+08	McNab Est	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.4024	-118.9302	hud	N	N		PluggedOG
-1	4.11E+08	P	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40081	-118.9457	hud	N	Y		PluggedOG
-1	4.11E+08	F5	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	25	04N	20W	SB	34.40644	-118.9352	hud	N	N		PluggedOG
-1	4.11E+08	Fillmore Co	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.40879	-118.9221	hud	N	Y		PluggedOG
-1	4.11E+08	A	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.4178	-118.9069	Operator	N	N	9/30/1959	PluggedOG
-1	4.11E+08	S	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	34	04N	20W	SB	34.39257	-118.9663	hud	N	Y		PluggedOG
-1	4.11E+08	PR	2	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40003	-118.9392	hud	N	N		PluggedOG
-1	4.11E+08	E	2	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	25	04N	20W	SB	34.40453	-118.936	hud	N	N		PluggedOG
-1	4.11E+08	SM	2	Plugged	OG	Oil & Gas	A4400	Atlantic Oil	Fillmore	Any Area	Fillmore	Northern	Ventura	25	04N	20W	SB	34.40798	-118.9255	hud	N	N		PluggedOG
-1	4.11E+08	B	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.41642	-118.9136	Operator	N	Y	12/24/1960	PluggedOG
-1	4.11E+08	A	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	19	04N	19W	SB	34.41479	-118.9098	Operator	N	Y	2/19/1960	PluggedOG
-1	4.11E+08	E	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	25	04N	20W	SB	34.4016	-118.9361	hud	N	N	9/14/1957	PluggedOG
-1	4.11E+08	SM	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	24	04N	20W	SB	34.40874	-118.9291	hud	N	N		PluggedOG
-1	4.11E+08	S	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	34	04N	20W	SB	34.39257	-118.9661	hud	N	Y		PluggedOG
-1	4.11E+08	P	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.4039	-118.939	hud	N	Y		PluggedOG
-1	4.11E+08	B	3A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	18	04N	19W	SB	34.42299	-118.9065	Operator	N	Y	6/22/1961	PluggedOG
-1	4.11E+08	S	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	34	04N	20W	SB	34.39269	-118.966	hud	N	Y		PluggedOG
-1	4.11E+08	P	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39649	-118.9451	hud	N	Y		PluggedOG
-1	4.11E+08	SM	4	Plugged	OG	Oil & Gas	A4400	Atlantic Oil	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.41051	-118.9213	hud	N	Y	4/30/1956	PluggedOG
-1	4.11E+08	E	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	25	04N	20W	SB	34.40541	-118.9326	hud	N	N		PluggedOG
-1	4.11E+08	SM	5	Plugged	OG	Oil & Gas	A4400	Atlantic Oil	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.40984	-118.9255	GPS	N	Y		PluggedOG
-1	4.11E+08	P	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39624	-118.9452	hud	N	Y		PluggedOG
-1	4.11E+08	Sespe Ranc	5A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	33	04N	20W	SB	34.39163	-118.9774	hud	N	Y		PluggedOG
-1	4.11E+08	SM	6	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Fillmore	Northern	Ventura	24	04N	20W	SB	34.412	-118.9259	GPS	N	Y		PluggedOG
-1	4.11E+08	P	6	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39986	-118.9426	hud	N	Y		PluggedOG
-1	4.11E+08	S	6	Plugged	OG	Oil & Gas	P4325	PRE Resour	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39828	-118.9541	hud	N	Y		PluggedOG
-1	4.11E+08	P	7	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40164	-118.9391	hud	N	Y		PluggedOG
-1	4.11E+08	S	7	Plugged	OG	Oil & Gas	S1150	Santa Fe M	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39839	-118.954	hud	N	Y		PluggedOG
-1	4.11E+08	S	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.39954	-118.9502	hud	N	Y		PluggedOG
-1	4.11E+08	S	9A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Fillmore	Any Area	Ventura County	Northern	Ventura	26	04N	20W	SB	34.40137	-118.9468	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Idle	DH	Dry Hole	966	Buena Ven	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.42714	-118.7336	hud	N	N		IdleDH
-1	4.11E+08	Holser	16-14S	Idle	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43213	-118.7467	GPS	N	N		IdleOG
-1	4.11E+08	Cooke	2	Idle	WD	Water Disp	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43052	-118.7322	GPS	N	N	7/15/1952	IdleWD
-1	4.11E+08	Holser	4	Idle	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.4339	-118.7401	GPS	N	N	6/27/1950	IdleOG
-1	4.11E+08	Jackson	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43316	-118.7417	GPS	N	N	3/26/1942	ActiveOG
-1	4.11E+08	Holser	14-13X	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.4346	-118.7451	GPS	N	Y		ActiveOG
-1	4.11E+08	Holser	14-24	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43463	-118.7451	GPS	N	N		ActiveOG
-1	4.11E+08	Holser	14-35	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43153	-118.7407	GPS	N	N		ActiveOG
-1	4.11E+08	Holser	14-45	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43149	-118.7406	GPS	N	N		ActiveOG
-1	4.11E+08	Crestmont	14-55	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43095	-118.7348	GPS	N	N		ActiveOG
-1	4.11E+08	Crestmont	14-65	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43121	-118.7348	GPS	N	N		ActiveOG
-1	4.11E+08	Holser	15-83	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.43374	-118.7505	GPS	N	Y		ActiveOG
-1	4.11E+08	Holser	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43408	-118.7399	GPS	N	Y	11/15/1950	ActiveOG
-1	4.11E+08	Holser	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43415	-118.7413	GPS	N	N	9/24/1952	ActiveOG
-1	4.11E+08	Holser	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43332	-118.739	GPS	N	Y	3/17/1953	ActiveOG
-1	4.11E+08	Bowman	A-1	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43163	-118.7347	GPS	N	N		ActiveOG
-1	4.11E+08	Bowman	A-2	Active	WD	Water Disp	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43169	-118.7347	GPS	N	Y	6/14/1978	ActiveWD
-1	4.11E+08	Holser	W-1	Active	OG	Oil & Gas	C0557	Carbon Cal	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43384	-118.7408	GPS	N	N		ActiveOG
-1	4.11E+08	Cooke	1	Plugged	DH	Dry Hole	O2400	Oxy Petrol	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.42726	-118.73	hud	N	N	6/22/1951	PluggedDH
-1	4.11E+08	Bowman 2	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.42509	-118.7395	hud	N	N	3/12/1944	PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	6325	Nuevo Can	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.4272	-118.7378	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	1483	Chalmas &	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.4274	-118.7329	hud	N	N		PluggedOG
-1	4.11E+08	Crestmont	1	Plugged	OG	Oil & Gas	O2400	Oxy Petrol	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43023	-118.7305	hud	N	N	5/29/1943	PluggedOG
-1	4.11E+08	Holser	1	Plugged	DH	Dry Hole	6863	Piru Petro.	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43222	-118.7301	hud	N	N		PluggedDH
-1	4.11E+08	Holser	10	Plugged	OG	Oil & Gas	4450	J. P. Rinde	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43476	-118.745	hud	N	N		PluggedOG
-1	4.11E+08	Holser	118X	Plugged	OG	Oil & Gas	B5820	Bravo Oil C	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43466	-118.7463	hud	N	N		PluggedOG
-1	4.11E+08	Holser	2	Plugged	OG	Oil & Gas	F0200	Fairfield-Vc	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43275	-118.7452	hud	N	N		PluggedOG
-1	4.11E+08	Holser	6	Plugged	OG	Oil & Gas	O2400	Oxy Petrol	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43195	-118.7299	hud	N	N	3/26/1952	PluggedOG
-1	4.11E+08	Holser	8	Plugged	OG	Oil & Gas	O2400	Oxy Petrol	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43536	-118.7416	hud	N	N	2/6/1953	PluggedOG
-1	4.11E+08	Holser	W-2	Plugged	OG	Oil & Gas	F0200	Fairfield-Vc	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43369	-118.7395	hud	N	N		PluggedOG
-1	4.11E+08	Holser	W-3	Plugged	OG	Oil & Gas	O2400	Oxy Petrol	Holser	Any Area	Ventura County	Northern	Ventura	14	04N	18W	SB	34.43409	-118.742	hud	N	N	5/19/1955	PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hopper	2-Dec	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Any Area	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43643	-118.8307	Notice of Ir	N	Y		CanceledOG
-1	4.11E+08	Hopper	14-2	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4365	-118.8313	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Unspecifie	1	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.43605	-118.8327	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	3825	Harris Oil C	Hopper Canyon	Main	Los Angeles County	Northern	Ventura	24	04N	19W	SB	34.7371	-118.8219	hud	N	N		IdleOG
-1	4.11E+08	Sunset	10	Idle	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44534	-118.8235	hud	N	N		IdleOG
-1	4.11E+08	Hopper	102	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43656	-118.8282	hud	N	N		IdleOG
-1	4.11E+08	Hopper	104	Idle	OG	Oil & Gas	F1450	Fortune Pe	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.43439	-118.8337	hud	N	N		IdleOG
-1	4.11E+08	Sunset	12	Idle	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.4454	-118.8246	hud	N	N		IdleOG
-1	4.11E+08	Hopper	14-B	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43568	-118.8303	hud	N	N		IdleOG
-1	4.11E+08	Hopper	15-B	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43307	-118.8309	hud	N	N		IdleOG
-1	4.11E+08	Hopper	17	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43649	-118.8312	GPS	N	N		IdleOG
-1	4.11E+08	Hopper	17A	Idle	WD	Water Disp	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43397	-118.8314	GPS	N	Y		IdleWD
-1	4.11E+08	Hopper	18	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43649	-118.8315	GPS	N	N		IdleOG
-1	4.11E+08	Canyon	2	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43586	-118.8306	GPS	N	N		IdleOG
-1	4.11E+08	Unspecifie	2-F	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.43499	-118.8327	hud	N	N		IdleOG
-1	4.11E+08	Hopper	20	Idle	OG	Oil & Gas	F1450	Fortune Pe	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43533	-118.8297	hud	N	N		IdleOG
-1	4.11E+08	Canyon	28	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4365	-118.8311	GPS	N	Y		IdleOG
-1	4.11E+08	Sunset	3	Idle	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	Main	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44632	-118.8232	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	3	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.4357	-118.8323	hud	N	N		IdleOG
-1	4.11E+08	Hopper	31	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43646	-118.8308	Notice of Ir	N	N	11/24/2013	IdleOG
-1	4.11E+08	Cates	4	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43658	-118.8254	hud	N	N		IdleOG
-1	4.11E+08	Hopper	4	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Any Area	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43592	-118.8313	hud	N	N		IdleOG
-1	4.11E+08	Cates	5	Idle	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43695	-118.824	hud	N	N		IdleOG
-1	4.11E+08	Sunset	6	Idle	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.4457	-118.8241	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	900	Bradley Oil	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42356	-118.8284	hud	N	N		PluggedDH
-1	4.11E+08	Union-Elkir	1	Plugged	DH	Dry Hole	5187	Lake Oil Co	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42604	-118.8255	hud	N	N		PluggedDH
-1	4.11E+08	South Hop	1	Plugged	OG	Oil & Gas	E0550	Eastern Am	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42806	-118.824	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44624	-118.8239	hud	N	N		PluggedOG
-1	4.11E+08	United	1	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43584	-118.8274	hud	N	N		PluggedOG
-1	4.11E+08	Cosby	1	Plugged	OG	Oil & Gas	7292	Richards &	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.43196	-118.8376	hud	N	N	8/6/1948	PluggedOG
-1	4.11E+08	Rio Hondo	1	Plugged	OG	Oil & Gas	3994	Highland D	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.43222	-118.8372	hud	N	N	8/1/1932	PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	3171	G & E Oil C	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42569	-118.8309	hud	N	N		PluggedDH
-1	4.11E+08	McCulloch	1	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Hopper Canyon	Main	Ventura County	Northern	Ventura	11	04N	19W	SB	34.44053	-118.8329	hud	N	N	10/28/1965	PluggedDH
-1	4.11E+08	Hopper	1	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43436	-118.8299	hud	N	N		PluggedOG
-1	4.11E+08	Standard	13-Jan	Plugged	DH	Dry Hole	8246	Teal Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42429	-118.822	hud	N	N		PluggedDH
-1	4.11E+08	Hopper	10	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43613	-118.8285	GPS	N	N		PluggedOG
-1	4.11E+08	United	10	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43613	-118.8286	Well Summ	N	Y	3/14/1975	PluggedOG
-1	4.11E+08	Hopper	101	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43369	-118.8313	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	105	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43409	-118.8314	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	106	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43372	-118.8303	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	11	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4351	-118.8291	hud	N	N		PluggedOG
-1	4.11E+08	Sunset	11	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44557	-118.824	GPS	N	N		PluggedOG
-1	4.11E+08	United	11	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43614	-118.8286	Well Summ	N	Y	9/23/1981	PluggedOG
-1	4.11E+08	Hopper	12	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43327	-118.8311	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	1-Dec	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4364	-118.8307	GPS	N	Y	7/21/1991	PluggedOG
-1	4.11E+08	Hopper	13	Plugged	WD	Water Disp	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	14	04N	19W	SB	34.43305	-118.8328	Well Summ	N	Y	11/10/1973	PluggedWD
-1	4.11E+08	Canyon	14	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4365	-118.8314	Well Summ	N	Y	4/25/1967	PluggedOG
-1	4.11E+08	Hopper	15	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43419	-118.8284	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	16	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43646	-118.8316	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	19	Plugged	DH	Dry Hole	4349	J. E. Cowle	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	11	04N	19W	SB	34.4388	-118.8333	hud	N	N		PluggedDH
-1	4.11E+08	Hopper	19	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43485	-118.8287	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	DH	Dry Hole	900	Bradley Oil	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42702	-118.8316	hud	N	N		PluggedDH
-1	4.11E+08	United	2	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43695	-118.8261	hud	N	N		PluggedOG
-1	4.11E+08	Sunset	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44646	-118.8235	GPS	N	N		PluggedOG
-1	4.11E+08	Hopper	21	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43457	-118.8294	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	27	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43604	-118.829	GPS	N	Y		PluggedOG
-1	4.11E+08	Canyon	29	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43649	-118.831	GPS	N	Y		PluggedOG
-1	4.11E+08	United	3	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.42987	-118.823	hud	N	N		PluggedOG
-1	4.11E+08	Canyon	3	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43615	-118.8304	hud	N	N		PluggedOG
-1	4.11E+08	Canyon	30	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Any Area	Ventura County	Northern	Ventura	13	04N	16W	SB	34.43623	-118.8304	hud	N	N	5/6/1982	PluggedOG
-1	4.11E+08	Sunset	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44645	-118.8244	hud	N	N		PluggedOG
-1	4.11E+08	United	4	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43548	-118.8256	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	5	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43517	-118.8298	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.4457	-118.8237	hud	N	N		PluggedOG
-1	4.11E+08	United	5	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43626	-118.8266	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hopper	6	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43476	-118.8316	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	4186	Ibex Oil Co.	Hopper Canyon	Main	Ventura County	Northern	Ventura	12	04N	19W	SB	34.43871	-118.8253	hud	N	N		PluggedOG
-1	4.11E+08	United	6	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43711	-118.8258	hud	N	N		PluggedOG
-1	4.11E+08	United	7	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43579	-118.8253	hud	N	N		PluggedOG
-1	4.11E+08	Cates	7	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43575	-118.8227	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	7	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43576	-118.8299	hud	N	N		PluggedOG
-1	4.11E+08	Sunset	7	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44648	-118.8239	GPS	N	N		PluggedOG
-1	4.11E+08	Unspecifie	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44619	-118.8226	hud	N	N		PluggedOG
-1	4.11E+08	Hopper	8	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43597	-118.8293	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	4186	Ibex Oil Co.	Hopper Canyon	Main	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44023	-118.8273	hud	N	N		PluggedOG
-1	4.11E+08	United	9	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43457	-118.826	hud	N	N		PluggedOG
-1	4.11E+08	Sunset	9	Plugged	OG	Oil & Gas	C5640	Chevron U.	Hopper Canyon	North (ABD)	Ventura County	Northern	Ventura	12	04N	19W	SB	34.44604	-118.8244	GPS	N	N		PluggedOG
-1	4.11E+08	Hopper	9	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4352	-118.8315	hud	N	N		PluggedOG
-1	4.11E+08	Hopper Un	A	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43417	-118.8299	hud	N	N		PluggedOG
-1	4.11E+08	United	A-13-8	Plugged	OG	Oil & Gas	2576	EHA Andre	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43386	-118.8273	hud	N	N	5/9/1953	PluggedOG
-1	4.11E+08	Hopper Un	B	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43376	-118.831	hud	N	N		PluggedOG
-1	4.11E+08	Hopper Un	C	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.4339	-118.8305	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	Unknown	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Hopper Canyon	Main	Ventura County	Northern	Ventura	13	04N	19W	SB	34.43289	-118.8311	hud	N	N		PluggedOG
-1	4.11E+08	AL&C	1	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Las Posas (ABD)	Any Area	Ventura County	Northern	Ventura	17	02N	20W	SB	34.25032	-118.9979	GPS	N	N		PluggedOG
-1	4.11E+08	Pitts	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Las Posas (ABD)	Any Area	Camarillo	Northern	Ventura	30	02N	20W	SB	34.23399	-119.0121	hud	N	N		PluggedOG
-1	4.11E+08	Berylwood	1	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Las Posas (ABD)	Any Area	Ventura County	Northern	Ventura	17	02N	20W	SB	34.25117	-118.9998	GPS	N	N		PluggedOG
-1	4.11E+08	St. John's S	20-Jan	Plugged	OG	Oil & Gas	R4075	Royal Reso	Las Posas (ABD)	Any Area	Camarillo	Northern	Ventura	20	02N	20W	SB	34.23936	-118.9997	hud	N	N		PluggedOG
-1	4.11E+08	Berylwood	2	Plugged	DH	Dry Hole	7250	Reunion Er	Las Posas (ABD)	Any Area	Ventura County	Northern	Ventura	17	02N	20W	SB	34.25095	-118.9963	hud	N	N		PluggedDH
-1	4.11E+08	Pitts	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Las Posas (ABD)	Any Area	Camarillo	Northern	Ventura	30	02N	20W	SB	34.23395	-119.0112	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp	W.S.4	Plugged	OG	Oil & Gas	R4050	Royal Ame	Long Canyon (ABD	Any Area	Ventura County	Northern	Ventura	21	03N	22W	SB	34.32282	-119.1857	hud	N	N		PluggedOG
-1	4.11E+08	State PRC 3	40	Canceled	OG	Oil & Gas	V1370	Vintage Prc	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.2183	-119.2573	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Montalvo I	1	Idle	WF	Waterfloo	V0150	Vaca Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21238	-119.2252	GPS	N	Y		IdleWF
-1	4.11E+08	J. D. McGra	1	Idle	OG	Oil & Gas	V0150	Vaca Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21238	-119.2254	GPS	N	N	9/6/1958	IdleOG
-1	4.11E+08	Bailard-Kra	1	Idle	OG	Oil & Gas	V0150	Vaca Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21238	-119.2251	GPS	N	Y	9/16/1981	IdleOG
-1	4.11E+08	Montalvo I	1	Idle	OG	Oil & Gas	V0150	Vaca Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21238	-119.2254	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	1011A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21874	-119.2512	GPS	N	N	2/10/1957	IdleOG
-1	4.11E+08	Lease by C	1012	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21649	-119.2499	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	1013	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21458	-119.2477	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	1015B	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20924	-119.2469	GPS	N	N	3/1/1956	IdleOG
-1	4.11E+08	Lease by C	1017A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20762	-119.2423	GPS	N	N	12/16/1960	IdleOG
-1	4.11E+08	Lease by C	102-7	Idle	WD	Water Disp	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23339	-119.2505	GPS	N	N		IdleWD
-1	4.11E+08	Lease by C	1114	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21097	-119.2508	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	1118	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.20383	-119.247	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	1210	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21983	-119.2578	GPS	N	N	10/14/1960	IdleOG
-1	4.11E+08	Lease by C	1214A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21368	-119.2556	GPS	N	N	2/13/1955	IdleOG
-1	4.11E+08	Lease by C	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20663	-119.2424	Well Summ	N	Y	9/20/1962	IdleOG
-1	4.11E+08	West Mont	2	Idle	OG	Oil & Gas	V0150	Vaca Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21238	-119.2252	GPS	N	Y		IdleOG
-1	4.11E+08	J. D. McGra	2	Idle	WD	Water Disp	V0150	Vaca Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21238	-119.2254	GPS	N	Y	12/29/1959	IdleWD
-1	4.11E+08	Lease by C	22-8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.23312	-119.2327	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23288	-119.2437	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	26	Idle	DG	Dry Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23302	-119.2436	GPS	N	Y	12/2/1965	IdleDG
-1	4.11E+08	Lease by C	27	Idle	DG	Dry Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23289	-119.244	GPS	N	N		IdleDG
-1	4.11E+08	Lease by C	2A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21674	-119.2319	GPS	N	N	11/1/1958	IdleOG
-1	4.11E+08	Lease by C	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20731	-119.2424	Notice of Ir	N	N	6/4/2013	IdleOG
-1	4.11E+08	Lease by C	31-14	Idle	WD	Water Disp	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23329	-119.2374	GPS	N	N	10/8/1951	IdleWD
-1	4.11E+08	Lease by C	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21654	-119.2566	Notice of Ir	N	N	5/23/2014	IdleOG
-1	4.11E+08	Lease by C	41	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21799	-119.2572	Notice of Ir	N	Y		IdleOG
-1	4.11E+08	Lease by C	41-22	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23337	-119.2385	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	42-6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23331	-119.2379	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20623	-119.2424	Notice of Ir	N	Y	10/26/2013	IdleOG
-1	4.11E+08	Lease by C	615	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21206	-119.2351	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	616	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.20984	-119.235	GPS	N	Y	8/24/1961	IdleOG
-1	4.11E+08	Lease by C	616-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.20983	-119.235	Notice of Ir	N	Y	5/28/2011	IdleOG
-1	4.11E+08	Lease by C	62-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23369	-119.2419	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	63-21	Idle	WD	Water Disp	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23185	-119.2439	GPS	N	N		IdleWD
-1	4.11E+08	Lease by C	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	1	01N	23W	SB	34.20593	-119.2423	Notice of Ir	N	N	2/5/2014	IdleOG
-1	4.11E+08	Lease by C	714	Idle	WF	Waterfloo	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21393	-119.2383	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	72-15	Idle	WD	Water Disp	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23357	-119.2456	GPS	N	N		IdleWD
-1	4.11E+08	Lease by C	73-17	Idle	DG	Dry Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23099	-119.2456	GPS	N	N		IdleDG
-1	4.11E+08	Lease by C	74-19A	Idle	WD	Water Disp	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23045	-119.2443	GPS	N	N	2/26/1954	IdleWD

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	811	Idle	WF	Waterflooc	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.22042	-119.2451	GPS	N	N	8/7/1957	IdleWF
-1	4.11E+08	Lease by Ca	814	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21297	-119.2415	GPS	N	N	5/8/1962	IdleOG
-1	4.11E+08	Lease by Ca	815	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.2107	-119.241	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	85-20	Idle	DG	Dry Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23037	-119.2447	GPS	N	Y		IdleDG
-1	4.11E+08	Lease by Ca	911	Idle	WF	Waterflooc	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.22176	-119.2493	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	913	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21482	-119.2458	GPS	N	Y	12/3/1960	IdleOG
-1	4.11E+08	Lease by Ca	916	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.2095	-119.2393	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	917	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20601	-119.2405	GPS	N	N	9/3/1958	IdleOG
-1	4.11E+08	Lease by Ca	C-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21945	-119.2577	GPS	N	N	1/17/1953	IdleOG
-1	4.11E+08	Lease by Ca	C-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21864	-119.2574	GPS	N	N	12/24/1957	IdleOG
-1	4.11E+08	Lease by Ca	C-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.2153	-119.2562	GPS	N	N	6/17/1954	IdleOG
-1	4.11E+08	Lease by Ca	D-2B	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21926	-119.2577	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	D-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21685	-119.2568	GPS	N	N	1/31/1955	IdleOG
-1	4.11E+08	Lease by Ca	E-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21582	-119.2564	GPS	N	N	1/2/1956	IdleOG
-1	4.11E+08	Lease by Ca	E-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21921	-119.2576	GPS	N	N	12/4/1954	IdleOG
-1	4.11E+08	Lease by Ca	F-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21548	-119.2562	GPS	N	N	11/21/1956	IdleOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21344	-119.2321	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	1	01N	23W	SB	34.20601	-119.2418	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	1111	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21752	-119.2568	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	1121	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20745	-119.2422	Notice of Ir	N	Y	6/21/2012	ActiveOG
-1	4.11E+08	Lease by Ca	1218	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.20205	-119.248	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1311	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21744	-119.2566	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	24	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23188	-119.2393	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.20976	-119.2321	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21169	-119.2321	GPS	N	Y	7/24/1962	ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20705	-119.2423	Notice of Ir	N	N	12/30/2013	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20712	-119.242	Notice of Ir	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	713	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21607	-119.2402	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	715	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21135	-119.238	GPS	N	Y	2/12/1960	ActiveOG
-1	4.11E+08	Lease by Ca	813	Active	WF	Waterflooc	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21556	-119.2429	GPS	N	N	10/22/1957	ActiveWF
-1	4.11E+08	Lease by Ca	816	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20892	-119.2373	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	915	Active	WD	Water Disp	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21006	-119.244	GPS	N	Y	6/6/1961	ActiveWD
-1	4.11E+08	Lease by Ca	918A	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20697	-119.2373	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	C-5	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.2189	-119.2575	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	D-3	Active	OG	Oil & Gas	E0455	CalNRG Op	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21601	-119.2564	GPS	N	N		ActiveOG
-1	4.11E+08	Sunray-Ohi	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.2149	-119.2221	hud	N	N		PluggedDH
-1	4.11E+08	Utsuki-Burı	1	Plugged	DH	Dry Hole	T3000	Tiger Oil Cc	Montalvo, West	Onshore	Ventura County	Northern	Ventura	20	02N	22W	SB	34.24842	-119.2139	hud	N	N		PluggedDH
-1	4.11E+08	Bailard-Me	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Montalvo, West	Onshore	Ventura County	Northern	Ventura	20	02N	22W	SB	34.23597	-119.2127	hud	N	N	2/26/1948	PluggedDH
-1	4.11E+08	Sunray-Ohi	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.2097	-119.2278	hud	N	N		PluggedDH
-1	4.11E+08	Bailard-Me	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	29	02N	22W	SB	34.23044	-119.2139	hud	N	N	4/18/1954	PluggedDH
-1	4.11E+08	Union Nati	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	20	02N	22W	SB	34.24192	-119.2156	hud	N	N		PluggedDH
-1	4.11E+08	Maxwell	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	24	02N	23W	SB	34.24438	-119.2531	hud	N	N		PluggedDH
-1	4.11E+08	J.V.	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura	Northern	Ventura	24	02N	23W	SB	34.23949	-119.2441	hud	N	N		PluggedDH
-1	4.11E+08	Del Cielo	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.23311	-119.224	hud	N	N		PluggedDH
-1	4.11E+08	Leonard	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Montalvo, West	Onshore	Oxnard	Northern	Ventura	32	02N	23W	SB	34.21999	-119.2179	hud	N	N		PluggedDH
-1	4.11E+08	McGrath	1	Plugged	OG	Oil & Gas	E3700	Exxon Mob	Montalvo, West	Onshore	Oxnard	Northern	Ventura	26	02N	23W	SB	34.22995	-119.2617	hud	N	N		PluggedOG
-1	4.11E+08	Richfield-D	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Montalvo, West	Onshore	Ventura County	Northern	Ventura	5	01N	22W	SB	34.20448	-119.2054	hud	N	Y		PluggedDH
-1	4.11E+08	Oxnard Cor	1	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21987	-119.2422	hud	N	N		PluggedCH
-1	4.11E+08	Borchard C	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	24	02N	23W	SB	34.24688	-119.2435	hud	N	N	3/27/1954	PluggedDH
-1	4.11E+08	West Mont	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.2123	-119.2253	hud	N	N	4/30/1984	PluggedDH
-1	4.11E+08	Sunray-Ohi	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21876	-119.2287	hud	N	N		PluggedDH
-1	4.11E+08	U. P. R. R. (	1	Plugged	DH	Dry Hole	A3500	Argo Petrol	Montalvo, West	Onshore	Ventura County	Northern	Ventura	32	02N	22W	SB	34.21262	-119.2169	hud	N	N		PluggedDH
-1	4.11E+08	Leonard	1	Plugged	DH	Dry Hole	7469	Royalty Ser	Montalvo, West	Onshore	Oxnard	Northern	Ventura	29	02N	22W	SB	34.22462	-119.2175	GPS	N	N		PluggedDH
-1	4.11E+08	Laubacher	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Montalvo, West	Onshore	Ventura County	Northern	Ventura	5	01N	22W	SB	34.20475	-119.2154	hud	N	Y		PluggedOG
-1	4.11E+08	Patterson F	1016	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	1	01N	23W	SB	34.20553	-119.2422	hud	N	Y		PluggedOG
-1	4.11E+08	Patterson F	1018	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.20332	-119.2424	hud	N	N	1/19/1957	PluggedOG
-1	4.11E+08	Patterson F	1019	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	1	01N	23W	SB	34.20484	-119.2399	hud	N	Y		PluggedOG
-1	4.11E+08	Patterson F	1024	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	12	01N	23W	SB	34.18867	-119.2364	hud	N	N		PluggedDH
-1	4.11E+08	Patterson F	1028	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	7	01N	22W	SB	34.18391	-119.2326	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	11	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23439	-119.2516	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	1112	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21577	-119.253	GPS	N	N		PluggedOG
-1	4.11E+08	McGrath 4	1113A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21294	-119.2516	hud	N	Y		PluggedOG
-1	4.11E+08	McGrath 4	1115	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.20442	-119.2507	hud	N	N		PluggedDH
-1	4.11E+08	Patterson F	1119A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.19938	-119.2441	hud	N	N		PluggedOG
-1	4.11E+08	McGrath 4	113-18	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	26	02N	23W	SB	34.23224	-119.2535	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Oxnard Cor	12	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	26	02N	23W	SB	34.23252	-119.262	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	1212	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Montalvo, West	Onshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21501	-119.2558	GPS	N	N	12/15/1956	PluggedOG
-1	4.11E+08	McGrath 4	1215A	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20889	-119.2528	GPS	N	N		PluggedOG
-1	4.11E+08	McGrath 4	1217	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.20423	-119.2506	hud	N	N		PluggedDH
-1	4.11E+08	Patterson F	1222	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	12	01N	23W	SB	34.19135	-119.2439	hud	N	N		PluggedOG
-1	4.11E+08	Oxnard Cor	13	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	26	02N	23W	SB	34.22858	-119.2592	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	13-9	Plugged	INJ	Injection	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.23153	-119.2305	hud	N	N	6/15/1949	PluggedINJ
-1	4.11E+08	Oxnard Cor	14	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	19	02N	23W	SB	34.23577	-119.2321	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	148-12	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	26	02N	23W	SB	34.22223	-119.2583	hud	N	N		PluggedOG
-1	4.11E+08	Oxnard Cor	15	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	19	02N	23W	SB	34.24312	-119.2343	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	156-22	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	26	02N	23W	SB	34.22325	-119.2592	GPS	N	N		PluggedOG
-1	4.11E+08	McGrath	2	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Montalvo, West	Onshore	Oxnard	Northern	Ventura	26	02N	23W	SB	34.22561	-119.2601	hud	N	N	2/7/1936	PluggedOG
-1	4.11E+08	Laubacher	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Montalvo, West	Onshore	Ventura County	Northern	Ventura	5	01N	22W	SB	34.20477	-119.2157	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	2	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.22799	-119.241	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23102	-119.2425	hud	N	N		PluggedOG
-1	4.11E+08	McGrath 4	25	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.23264	-119.2343	hud	N	N		PluggedOG
-1	4.11E+08	McGrath 4	26-10	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.22576	-119.2327	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	3	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21172	-119.2406	hud	N	N		PluggedCH
-1	4.11E+08	Laubacher	3	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.20755	-119.2197	hud	N	N		PluggedOG
-1	4.11E+08	J. D. McGra	3	Plugged	DH	Dry Hole	W1850	Westmont	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21891	-119.2267	hud	N	N		PluggedDH
-1	4.11E+08	Valentine	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura	Northern	Ventura	20	02N	22W	SB	34.24374	-119.2077	hud	N	N		PluggedDH
-1	4.11E+08	McGrath 4	33-11	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.23223	-119.2352	hud	N	N		PluggedOG
-1	4.11E+08	McGrath 4	35-3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	30	02N	22W	SB	34.22771	-119.2349	hud	N	N		PluggedOG
-1	4.11E+08	Hearst	39-1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	24	02N	23W	SB	34.23736	-119.2361	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	4	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	24	02N	23W	SB	34.23666	-119.2416	hud	N	N		PluggedCH
-1	4.11E+08	McGrath	1-Apr	Plugged	DH	Dry Hole	7819	Shell Oil Co	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.20699	-119.2346	hud	N	N		PluggedDH
-1	4.11E+08	Bailard-Kra	42 D-31	Plugged	DH	Dry Hole	C4800	Champlin F	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21215	-119.2245	hud	N	N		PluggedDH
-1	4.11E+08	Oxnard Cor	5	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura	Northern	Ventura	24	02N	23W	SB	34.24356	-119.2434	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 4	51-13	Plugged	WF	Waterfloo	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23362	-119.2412	hud	N	N		PluggedWF
-1	4.11E+08	Ventura Co	59-1	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura	Northern	Ventura	24	02N	23W	SB	34.23759	-119.2398	hud	N	N		PluggedDH
-1	4.11E+08	McGrath 4	612A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.22751	-119.2445	GPS	N	Y		PluggedOG
-1	4.11E+08	McGrath 5	613	Plugged	OG	Oil & Gas	B3900	Berry Petrc	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21841	-119.236	hud	N	Y		PluggedOG
-1	4.11E+08	McGrath 5	614	Plugged	WF	Waterfloo	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.21471	-119.2349	hud	N	N		PluggedWF
-1	4.11E+08	Patterson F	618	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	31	02N	22W	SB	34.20739	-119.2318	hud	N	N	3/24/1963	PluggedDH
-1	4.11E+08	Alpine-McC	1-Jul	Plugged	DH	Dry Hole	6955	Prudential	Montalvo, West	Onshore	Ventura County	Northern	Ventura	6	01N	22W	SB	34.19654	-119.2345	hud	N	N		PluggedDH
-1	4.11E+08	McGrath 5	712	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21861	-119.2412	hud	N	Y		PluggedOG
-1	4.11E+08	Patterson F	717A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	6	01N	22W	SB	34.20567	-119.2353	hud	N	N		PluggedOG
-1	4.11E+08	Oxnard Cor	8	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura	Northern	Ventura	23	02N	23W	SB	34.24812	-119.2608	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 5	812	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21785	-119.2442	hud	N	Y	2/26/1955	PluggedOG
-1	4.11E+08	McGrath 4	82-5	Plugged	WD	Water Disp	V1150	Venoco, LL	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23357	-119.2461	GPS	N	N		PluggedWD
-1	4.11E+08	Oxnard Cor	9	Plugged	CH	Core Hole	C5640	Chevron U.	Montalvo, West	Onshore	Ventura	Northern	Ventura	23	02N	23W	SB	34.24104	-119.2591	hud	N	N		PluggedCH
-1	4.11E+08	McGrath 5	912	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21694	-119.247	hud	N	N		PluggedOG
-1	4.11E+08	McGrath 5	914A	Plugged	INJ	Injection	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.21217	-119.2445	hud	N	N	5/24/1955	PluggedINJ
-1	4.11E+08	Patterson F	918	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	36	02N	23W	SB	34.20613	-119.237	hud	N	N	4/4/1960	PluggedOG
-1	4.11E+08	Patterson F	919	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	1	01N	23W	SB	34.20166	-119.2377	hud	N	N	7/28/1957	PluggedOG
-1	4.11E+08	McGrath 4	92-16	Plugged	WF	Waterfloo	C5640	Chevron U.	Montalvo, West	Onshore	Ventura County	Northern	Ventura	25	02N	23W	SB	34.23288	-119.2482	hud	N	N		PluggedWF
-1	4.11E+08	Chevron P.	920	Plugged	DH	Dry Hole	H4400	Hilliard Oil	Montalvo, West	Onshore	Ventura County	Northern	Ventura	1	01N	23W	SB	34.20527	-119.2375	hud	N	Y		PluggedDH
-1	4.11E+08	Patterson F	921	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Onshore	Oxnard	Northern	Ventura	1	01N	23W	SB	34.19703	-119.2371	hud	N	N		PluggedOG
-1	4.11E+08	State	A-4	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Offshore	Oxnard	Northern	Ventura	26	02N	23W	SB	34.22414	-119.2594	hud	N	N		PluggedDH
-1	4.11E+08	State	B-6	Plugged	DH	Dry Hole	C5640	Chevron U.	Montalvo, West	Offshore	Ventura County	Northern	Ventura	26	02N	23W	SB	34.22168	-119.2584	hud	N	N		PluggedDH
-1	4.11E+08	State	D-1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Montalvo, West	Offshore	Ventura County	Northern	Ventura	35	02N	23W	SB	34.21677	-119.2568	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1254	California F	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	33	03N	19W	SB	34.30188	-118.8797	hud	N	N		PluggedDH
-1	4.11E+08	Williams	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	33	03N	19W	SB	34.29852	-118.8735	hud	N	N		PluggedDH
-1	4.11E+08	Joyner	1	Plugged	DH	Dry Hole	8292	Terry Drillir	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	32	03N	19W	SB	34.30262	-118.8863	hud	N	N		PluggedDH
-1	4.11E+08	Williams	1	Plugged	DH	Dry Hole	891	BP Explorat	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	33	03N	19W	SB	34.30307	-118.8697	GPS	N	N		PluggedDH
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	P2500	Petan Co.	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	33	03N	19W	SB	34.29848	-118.8825	GPS	N	N	5/31/1960	PluggedDH
-1	4.11E+08	Williams	1-A	Plugged	OG	Oil & Gas	10362	Toll Land X	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	33	03N	19W	SB	34.30426	-118.8693	GPS	N	N		PluggedOG
-1	4.11E+08	E.H. Williar	2	Plugged	DH	Dry Hole	7376	Robert S. L	Moorpark (ABD)	Any Area	Moorpark	Northern	Ventura	33	03N	19W	SB	34.30154	-118.8691	GPS	N	N	2/26/1955	PluggedDH
-1	4.11E+08	Kaiser-Aetr	1	Active	OG	Oil & Gas	T2425	Thompco I	Moorpark West	Any Area	Ventura County	Northern	Ventura	36	03N	20W	SB	34.29767	-118.9234	GPS	N	N		ActiveOG
-1	4.11E+08	Kaiser-Aetr	2	Active	OG	Oil & Gas	T2425	Thompco I	Moorpark West	Any Area	Ventura County	Northern	Ventura	36	03N	20W	SB	34.29767	-118.9235	GPS	N	N		ActiveOG
-1	4.11E+08	Kaiser et al	1	Plugged	DH	Dry Hole	B5800	C. F. Braun	Moorpark West	Any Area	Ventura County	Northern	Ventura	1	02N	20W	SB	34.28602	-118.9325	hud	N	Y	8/12/1976	PluggedDH
-1	4.11E+08	Hardaker-E	1	Plugged	DH	Dry Hole	S7200	Oryx Energ	Moorpark West	Any Area	Ventura County	Northern	Ventura	31	03N	19W	SB	34.29708	-118.919	hud	N	Y		PluggedDH
-1	4.11E+08	Kaiser	1	Plugged	OG	Oil & Gas	T1725	Texas Pacif	Moorpark West	Any Area	Ventura County	Northern	Ventura	1	02N	20W	SB	34.28636	-118.9319	hud	N	N		PluggedOG
-1	4.11E+08	Bryan	1	Plugged	OG	Oil & Gas	T4475	Triton Oil &	Moorpark West	Any Area	Moorpark	Northern	Ventura	31	03N	19W	SB	34.30111	-118.9107	hud	N	N		PluggedOG
-1	4.11E+08	Botaba	2	Plugged	DH	Dry Hole	T4475	Triton Oil &	Moorpark West	Any Area	Ventura County	Northern	Ventura	36	03N	20W	SB	34.29483	-118.9236	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by W	1	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30382	-118.826	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	1	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30169	-118.8231	Notice of Ir	N	N		IdleOG
-1	4.11E+08	Lease by W	10	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.3008	-118.8233	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	11	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30327	-118.8208	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	12	Idle	WD	Water Disp	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30236	-118.8307	GPS	N	Y	5/23/1971	IdleWD
-1	4.11E+08	Lease by W	14	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29853	-118.8275	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	19	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30612	-118.8187	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	24H	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29924	-118.8268	Well Summ	N	N	4/15/2012	IdleOG
-1	4.11E+08	Lease by W	5	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30086	-118.8285	GPS	N	N	12/3/1970	IdleOG
-1	4.11E+08	Lease by W	7	Idle	WD	Water Disp	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30417	-118.8236	GPS	N	N		IdleWD
-1	4.11E+08	Lease by W	8	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29962	-118.8301	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	9	Idle	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29921	-118.827	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	16	Active	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30058	-118.8204	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by W	17	Active	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30101	-118.8183	GPS	N	N	3/7/1974	ActiveOG
-1	4.11E+08	Lease by W	2	Active	WD	Water Disp	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30129	-118.8247	GPS	N	N		ActiveWD
-1	4.11E+08	Lease by W	3	Active	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30278	-118.824	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by W	4	Active	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30228	-118.8271	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by W	6	Active	OG	Oil & Gas	11109	West Energ	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29961	-118.8254	GPS	N	Y		ActiveOG
-1	4.11E+08	Simi	Jan-36	Plugged	DH	Dry Hole	P3875	Freeport-M	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30006	-118.8181	hud	N	N		PluggedDH
-1	4.11E+08	Oak Park	13	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30248	-118.8181	hud	N	N		PluggedOG
-1	4.11E+08	Simi	14	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29527	-118.8294	hud	N	N		PluggedOG
-1	4.11E+08	Simi	Feb-36	Plugged	DH	Dry Hole	P3875	Freeport-M	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.29388	-118.829	hud	N	Y		PluggedDH
-1	4.11E+08	Oak Park	20	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30064	-118.8178	hud	N	N		PluggedOG
-1	4.11E+08	Oak Park	21	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oak Park	Any Area	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30075	-118.8158	hud	N	N		PluggedOG
-1	4.11E+08	Oak Park	22	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oak Park	Any Area	Moorpark	Northern	Ventura	36	03N	19W	SB	34.30092	-118.8215	hud	N	N		PluggedOG
-1	4.11E+08	Oak Park	23	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oak Park	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.30128	-118.8132	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3-Jan	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36565	-118.7485	GPS	N	N	6/2/1952	IdleOG
-1	4.11E+08	Lease by Ca	101-10	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36534	-118.7547	GPS	N	N	12/19/1972	IdleWF
-1	4.11E+08	Lease by Ca	3-Nov	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36984	-118.7489	GPS	N	N	10/18/1952	IdleOG
-1	4.11E+08	Lease by Ca	3-Dec	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36746	-118.752	GPS	N	N	12/6/1952	IdleOG
-1	4.11E+08	Lease by Ca	13-10	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36493	-118.7555	GPS	N	N	11/29/1952	IdleOG
-1	4.11E+08	Lease by Ca	14B-3	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36617	-118.7568	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	15-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.3675	-118.7554	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	18-10	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36358	-118.7569	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	20-3	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36868	-118.7509	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	22-10	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36358	-118.7505	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	23-3	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36616	-118.7598	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	24-10	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36372	-118.754	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	25-3	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36877	-118.754	GPS	N	N	8/6/1953	IdleWF
-1	4.11E+08	Lease by Ca	26-4	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.36615	-118.7632	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	28-9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36227	-118.7647	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	29-10	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36241	-118.7524	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3-Mar	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36619	-118.7492	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	30-9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36214	-118.768	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	31-10	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36108	-118.7596	GPS	N	N	3/26/1954	IdleWF
-1	4.11E+08	Lease by Ca	32-3	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.3689	-118.7446	GPS	N	N	5/31/1954	IdleWF
-1	4.11E+08	Lease by Ca	33-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36881	-118.7603	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	35-10	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36371	-118.7601	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	36-9	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36369	-118.7634	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	3-Apr	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36623	-118.7478	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	42-9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36489	-118.7648	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	43-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.36718	-118.7739	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	44-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.37146	-118.7649	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	45-4	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.36615	-118.7662	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	46-2	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.36631	-118.7414	GPS	N	N	7/15/1955	IdleWF
-1	4.11E+08	Lease by Ca	48-4	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.36758	-118.7619	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	49-9	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36398	-118.7669	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	10-May	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36494	-118.7477	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	52-3	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36864	-118.7571	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	6H	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36742	-118.7584	Well Summ	N	N	1/15/2012	IdleOG
-1	4.11E+08	Lease by Ca	10-Jul	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36494	-118.7528	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3-Aug	Idle	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36625	-118.7539	GPS	N	N	11/11/1952	IdleWF
-1	4.11E+08	Lease by Ca	10-Sep	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36494	-118.7462	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	9H	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36577	-118.7548	Well Summ	N	Y	1/6/2014	IdleOG
-1	4.11E+08	Lease by Ca	3-Oct	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36768	-118.7494	GPS	N	N	12/23/1952	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	10H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36862	-118.7569	Notice of Ir	N	Y	3/30/2014	ActiveOG
-1	4.11E+08	Lease by Ca	11H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36252	-118.7555	Notice of Ir	N	N	2/20/2014	ActiveOG
-1	4.11E+08	Lease by Ca	12H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36248	-118.7555	Notice of Ir	N	Y	3/12/2014	ActiveOG
-1	4.11E+08	Lease by Ca	13H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36712	-118.7584	Notice of Ir	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	14H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36717	-118.7584	Notice of Ir	N	N	2/7/2014	ActiveOG
-1	4.11E+08	Lease by Ca	16-3	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36742	-118.7585	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	17-10	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36501	-118.7586	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	19-3	Active	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36892	-118.7477	GPS	N	N	1/31/1953	ActiveWF
-1	4.11E+08	Lease by Ca	1H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36528	-118.7547	GPS	N	N	12/10/1993	ActiveOG
-1	4.11E+08	Lease by Ca	21-3	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36748	-118.7461	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	27-9	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.3648	-118.7618	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	2H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36679	-118.7584	Well Summ	N	N	9/25/2011	ActiveOG
-1	4.11E+08	Lease by Ca	34-2	Active	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.36754	-118.7431	GPS	N	N	8/22/1953	ActiveWF
-1	4.11E+08	Lease by Ca	38-10	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36256	-118.7585	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	39A-9	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36213	-118.7618	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	3H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36661	-118.7581	Well Summ	N	N	8/26/2011	ActiveOG
-1	4.11E+08	Lease by Ca	40-3	Active	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36658	-118.7446	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	4H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36539	-118.7547	Well Summ	N	Y	10/10/2011	ActiveOG
-1	4.11E+08	Lease by Ca	50A-4	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.36763	-118.765	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	5H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36674	-118.7584	Well Summ	N	N	9/14/2011	ActiveOG
-1	4.11E+08	Lease by Ca	3-Jun	Active	WF	Waterfloo	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36623	-118.7512	GPS	N	N	10/9/1952	ActiveWF
-1	4.11E+08	Lease by Ca	70-3	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36852	-118.7572	GPS	N	N	1/8/1992	ActiveOG
-1	4.11E+08	Lease by Ca	7H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36695	-118.7583	Well Summ	N	N	2/15/2012	ActiveOG
-1	4.11E+08	Lease by Ca	8H	Active	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36689	-118.7583	Well Summ	N	N	2/2/2012	ActiveOG
-1	4.11E+08	Oakridge C	1	Plugged	CH	Core Hole	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.36647	-118.7722	hud	N	N	9/13/1953	PluggedCH
-1	4.11E+08	Simi	10	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	11	03N	18W	SB	34.36528	-118.7345	hud	N	N	8/1/1947	PluggedOG
-1	4.11E+08	Oakridge	14-3	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36581	-118.7593	hud	N	N		PluggedOG
-1	4.11E+08	Oakridge	14A-3	Plugged	INJ	Injection	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.36556	-118.7592	hud	N	N		PluggedINJ
-1	4.11E+08	Simi	15	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	11	03N	18W	SB	34.35598	-118.7326	hud	N	N		PluggedOG
-1	4.11E+08	Simi	16	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	11	03N	18W	SB	34.3565	-118.7333	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	10-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36497	-118.7493	GPS	N	N		PluggedOG
-1	4.11E+08	Simi	33	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.35421	-118.7464	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	37-10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oakridge	Any Area	Ventura County	Northern	Ventura	10	03N	18W	SB	34.36243	-118.7554	GPS	N	N		PluggedOG
-1	4.11E+08	Oakridge	39-9	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	9	03N	18W	SB	34.36138	-118.7639	hud	N	N		PluggedOG
-1	4.11E+08	Oakridge	41-3	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	3	03N	18W	SB	34.37299	-118.7501	hud	N	N		PluggedOG
-1	4.11E+08	Oakridge	50-4	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.3669	-118.7666	hud	N	N		PluggedOG
-1	4.11E+08	Oakridge	60-2	Plugged	OG	Oil & Gas	P3875	Freeport-M	Oakridge	Any Area	Ventura County	Northern	Ventura	11	03N	18W	SB	34.36541	-118.7349	hud	N	N		PluggedOG
-1	4.11E+08	Newman	1	Plugged	OG	Oil & Gas	39	A. D. Rushi	Oakview (ABD)	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.38786	-119.3186	hud	N	N	3/29/1955	PluggedOG
-1	4.11E+08	Wadleigh	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Oakview (ABD)	Any Area	Ventura County	Northern	Ventura	31	04N	23W	SB	34.38954	-119.3223	hud	N	N	12/17/1954	PluggedDH
-1	4.11E+08	Newman	1	Plugged	DH	Dry Hole	6765	Petersen-L	Oakview (ABD)	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.3876	-119.3119	hud	N	N	11/5/1964	PluggedDH
-1	4.11E+08	Wadleigh e	1	Plugged	OG	Oil & Gas	39	A. D. Rushi	Oakview (ABD)	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.38861	-119.3197	hud	N	N	8/11/1954	PluggedOG
-1	4.11E+08	Newman	2	Plugged	OG	Oil & Gas	39	A. D. Rushi	Oakview (ABD)	Any Area	Ventura County	Northern	Ventura	32	04N	23W	SB	34.38785	-119.3173	hud	N	N	6/3/1955	PluggedOG
-1	4.11E+08	Ojai	134	Canceled	OG	Oil & Gas	C0885	California F	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42818	-119.142	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Ojai	135	Canceled	OG	Oil & Gas	C0885	California F	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42774	-119.1446	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Well No.	19	Canceled	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37661	-119.2892	Unknown	N	N		CanceledOG
-1	4.11E+08	Well No.	?	Idle	DH	Dry Hole	2922	Ferndale O	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.42887	-119.0866	hud	N	N		IdleDH
-1	4.11E+08	Well No.	?	Idle	OG	Oil & Gas	1574	Chicago Pe	Ojai	Lion Mountain	Ventura County	Northern	Ventura	9	04N	21W	SB	34.43779	-119.078	hud	N	N		IdleOG
-1	4.11E+08	Well No.	?	Idle	OG	Oil & Gas	9360	Woods	Ojai	Lion Mountain	Ventura County	Northern	Ventura	16	04N	21W	SB	34.42712	-119.0866	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	2965	Fleisher Oil	Ojai	Lion Mountain	Ventura County	Northern	Ventura	9	04N	21W	SB	34.44278	-119.0867	hud	N	N		IdleOG
-1	4.11E+08	Pyramid	1	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43427	-119.1086	GPS	N	N		IdleOG
-1	4.11E+08	Hillside	1	Idle	OG	Oil & Gas	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43748	-119.1047	hud	N	N		IdleOG
-1	4.11E+08	Agnew	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.44188	-119.1237	GPS	N	N	9/27/1976	IdleOG
-1	4.11E+08	Weldon Ca	1	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	3	03N	23W	SB	34.36961	-119.2832	GPS	N	N	4/17/1951	IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43677	-119.2373	hud	N	N		IdleOG
-1	4.11E+08	Lyon Canyc	1	Idle	OG	Oil & Gas	6431	Ojai Oil	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.41947	-119.2347	hud	N	N		IdleOG
-1	4.11E+08	Bailey	1	Idle	OG	Oil & Gas	B3527	Bentley Far	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43537	-119.2345	GPS	N	N	12/1/1952	IdleOG
-1	4.11E+08	Alexander	1	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43525	-119.1088	GPS	N	N		IdleOG
-1	4.11E+08	H. & S.	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43273	-119.1148	hud	N	N		IdleOG
-1	4.11E+08	Dull	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43306	-119.115	hud	N	N		IdleOG
-1	4.11E+08	Astarta	1	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43388	-119.1133	hud	N	N		IdleOG
-1	4.11E+08	Keri-Nicole	1	Idle	OG	Oil & Gas	C8685	Crazy J Oil,	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.43858	-119.1262	GPS	N	N	9/8/1950	IdleOG
-1	4.11E+08	Freeman	1	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41378	-119.1871	GPS	N	N	11/16/1955	IdleOG
-1	4.11E+08	Harth	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43764	-119.1045	GPS	N	Y	9/13/1972	IdleOG
-1	4.11E+08	Ojai	1	Idle	OG	Oil & Gas	A4550	Arco West	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43145	-119.1097	hud	N	N		IdleOG
-1	4.11E+08	Astarta	10	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43303	-119.1095	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Ojai	10	Idle	OG	Oil & Gas	A4550	Arco Weste	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43106	-119.1036	hud	N	N		IdleOG
-1	4.11E+08	Sulphur Cre	104-23	Idle	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41783	-119.1506	Well Summ	N	Y	12/10/2010	IdleOG
-1	4.11E+08	Bailey	11	Idle	OG	Oil & Gas	B3527	Bentley Far	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43389	-119.2364	GPS	N	N	2/19/1965	IdleOG
-1	4.11E+08	Ojai	11	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43264	-119.1073	GPS	N	N	10/02/1896	IdleOG
-1	4.11E+08	Astarta	11	Idle	WD	Water Disp	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43318	-119.1099	GPS	N	N		IdleWD
-1	4.11E+08	Well No.	11	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37619	-119.2909	hud	N	N		IdleOG
-1	4.11E+08	Ojai	111	Idle	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4294	-119.1281	Well Summ	N	Y	11/14/1979	IdleWD
-1	4.11E+08	Ojai	113	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43042	-119.1217	GPS	N	Y	8/20/1979	IdleOG
-1	4.11E+08	Astarta	12	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43365	-119.1082	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	12	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38035	-119.2875	hud	N	N		IdleOG
-1	4.11E+08	Ojai	127	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43168	-119.1252	GPS	N	Y	8/19/1985	IdleOG
-1	4.11E+08	Astarta	13	Idle	WD	Water Disp	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43359	-119.109	GPS	N	N		IdleWD
-1	4.11E+08	Ojai	13	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43236	-119.1056	GPS	N	N	10/17/1901	IdleOG
-1	4.11E+08	Well No.	14	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37802	-119.2911	hud	N	N		IdleOG
-1	4.11E+08	Well No.	15	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37757	-119.2891	hud	N	N		IdleOG
-1	4.11E+08	Ojai	15	Idle	OG	Oil & Gas	A4550	Arco Weste	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43163	-119.1068	hud	N	N		IdleOG
-1	4.11E+08	Ojai	18	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43287	-119.1104	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	18	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37957	-119.2869	hud	N	N		IdleOG
-1	4.11E+08	Arco	19	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43215	-119.1045	GPS	N	Y	8/28/1981	IdleOG
-1	4.11E+08	Hillside	2	Idle	OG	Oil & Gas	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43702	-119.1049	GPS	N	N		IdleOG
-1	4.11E+08	H. & S.	2	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43269	-119.1144	hud	N	N		IdleOG
-1	4.11E+08	KS	2	Idle	OG	Oil & Gas	S3950	Silver Explo	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43851	-119.1275	GPS	N	N	10/16/1964	IdleOG
-1	4.11E+08	Pirie	2	Idle	OG	Oil & Gas	U0200	Union Oil C	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43313	-119.2356	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43293	-119.2399	hud	N	N		IdleOG
-1	4.11E+08	Astarta	2	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.31088	-119.3238	hud	N	N		IdleOG
-1	4.11E+08	Agnew	2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.44185	-119.1236	GPS	N	N	1/13/1978	IdleOG
-1	4.11E+08	Pyramid	2	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43473	-119.1115	GPS	N	N		IdleOG
-1	4.11E+08	Dull	2	Idle	DH	Dry Hole	P3875	Freeport-M	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43314	-119.1153	hud	N	N		IdleDH
-1	4.11E+08	Arco	2	Idle	WD	Water Disp	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43134	-119.1022	GPS	N	Y	1/29/1973	IdleWD
-1	4.11E+08	Keri-Nicole	2	Idle	OG	Oil & Gas	C8685	Crazy J Oil,	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.43726	-119.1262	GPS	N	N	5/10/1945	IdleOG
-1	4.11E+08	Freeman	2	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41476	-119.1862	GPS	N	N	11/24/1948	IdleOG
-1	4.11E+08	Weldon Ca	2	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	3	03N	23W	SB	34.37038	-119.2805	GPS	N	N	5/22/1951	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.43288	-119.232	Well Summ	N	N	9/15/1949	IdleOG
-1	4.11E+08	Well No.	20	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37527	-119.2924	hud	N	N	4/19/1929	IdleOG
-1	4.11E+08	Well No.	21	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37796	-119.2893	hud	N	N		IdleOG
-1	4.11E+08	Ojai	21	Idle	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43095	-119.1329	hud	N	N		IdleOG
-1	4.11E+08	Ojai	22	Idle	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43142	-119.1339	hud	N	N		IdleOG
-1	4.11E+08	Arco	23	Idle	WD	Water Disp	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43244	-119.1184	Well Summ	N	Y	1/5/1988	IdleWD
-1	4.11E+08	Well No.	23	Idle	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37716	-119.2905	hud	N	N		IdleOG
-1	4.11E+08	Ojai	25	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43449	-119.1342	GPS	N	N		IdleOG
-1	4.11E+08	Ojai	27	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43556	-119.133	GPS	N	N	1/17/1910	IdleOG
-1	4.11E+08	Ojai	28	Idle	OG	Oil & Gas	A4550	Arco Weste	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43307	-119.1357	hud	N	N		IdleOG
-1	4.11E+08	Freeman	3	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41497	-119.1873	GPS	N	N	3/13/1956	IdleOG
-1	4.11E+08	Astarta	3	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4339	-119.1128	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	3	Idle	OG	Oil & Gas	U0200	Union Oil C	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43223	-119.2467	hud	N	N		IdleOG
-1	4.11E+08	Dull	3	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43273	-119.1151	hud	N	N		IdleOG
-1	4.11E+08	Keri-Nicole	3	Idle	OG	Oil & Gas	C8685	Crazy J Oil,	Ojai	Sisar Creek	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43687	-119.1263	GPS	N	N	10/25/1958	IdleOG
-1	4.11E+08	Pyramid	3	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43565	-119.1082	GPS	N	N		IdleOG
-1	4.11E+08	Pirie	3	Idle	OG	Oil & Gas	U0200	Union Oil C	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.433	-119.2346	hud	N	N		IdleOG
-1	4.11E+08	Agnew	3	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.44181	-119.1235	GPS	N	N	8/16/1982	IdleOG
-1	4.11E+08	Astarta	4	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43386	-119.115	hud	N	N		IdleOG
-1	4.11E+08	Pyramid	4	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.4337	-119.1114	GPS	N	N		IdleOG
-1	4.11E+08	Keri-Nicole	4	Idle	OG	Oil & Gas	C8685	Crazy J Oil,	Ojai	Sisar Creek	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4367	-119.1269	GPS	N	N	11/9/1968	IdleOG
-1	4.11E+08	Nesbitt	4	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44455	-119.0974	Well Summ	N	Y	10/15/1989	IdleOG
-1	4.11E+08	Dull	4	Idle	OG	Oil & Gas	P3875	Freeport-M	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43302	-119.1145	hud	N	N		IdleOG
-1	4.11E+08	Ojai	4	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43182	-119.1071	GPS	N	N		IdleOG
-1	4.11E+08	Ojai	40	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43167	-119.1107	GPS	N	N	5/23/1919	IdleOG
-1	4.11E+08	Ojai	48	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43417	-119.1315	GPS	N	N	9/27/1943	IdleOG
-1	4.11E+08	SS	5	Idle	OG	Oil & Gas	S3950	Silver Explo	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44135	-119.1276	GPS	N	N		IdleOG
-1	4.11E+08	Astarta	5	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43332	-119.1123	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38519	-119.2803	hud	N	N	8/4/1918	IdleOG
-1	4.11E+08	Freeman	5	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41525	-119.1842	GPS	N	N	9/27/1956	IdleOG
-1	4.11E+08	Ojai	501	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43287	-119.1308	GPS	N	N	7/18/1978	IdleOG
-1	4.11E+08	BS	55	Idle	OG	Oil & Gas	S3950	Silver Explo	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.4395	-119.1297	GPS	N	N		IdleOG
-1	4.11E+08	Hamp	59	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43492	-119.0957	GPS	N	Y		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Weldon Ca	6	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	3	03N	23W	SB	34.37053	-119.2813	GPS	N	N	1/26/1974	IdleOG
-1	4.11E+08	Ojai	65	Idle	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42487	-119.1544	GPS	N	N	12/21/1948	IdleWD
-1	4.11E+08	Hamp	69	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43486	-119.0956	Well Summ	N	Y	8/18/1984	IdleOG
-1	4.11E+08	Ojai	7	Idle	OG	Oil & Gas	A4550	Arco Weste	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43224	-119.104	hud	N	N		IdleOG
-1	4.11E+08	Astarta	7	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43338	-119.1115	GPS	N	N		IdleOG
-1	4.11E+08	JR	7	Idle	OG	Oil & Gas	S3950	Silver Explo	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44136	-119.1276	GPS	N	N	4/9/1977	IdleOG
-1	4.11E+08	Freeman	7	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41446	-119.1883	GPS	N	N	6/23/1956	IdleOG
-1	4.11E+08	Vogel	7	Idle	DH	Dry Hole	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44308	-119.1565	hud	N	N		IdleDH
-1	4.11E+08	Hamp	70	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43487	-119.0957	GPS	N	Y		IdleOG
-1	4.11E+08	Hamp	71	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43534	-119.0897	GPS	N	Y		IdleOG
-1	4.11E+08	Astarta	8	Idle	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43317	-119.1082	GPS	N	N		IdleOG
-1	4.11E+08	Ojai	8	Idle	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43152	-119.1044	hud	N	N		IdleOG
-1	4.11E+08	Freeman	8	Idle	WD	Water Disp	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41462	-119.1899	GPS	N	N	2/6/1957	IdleWD
-1	4.11E+08	Sulphur Cr	13-Aug	Idle	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	13	04N	22W	SB	34.41967	-119.1408	GPS	N	N	10/11/1981	IdleOG
-1	4.11E+08	Astarta	9	Idle	WD	Water Disp	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43297	-119.1087	GPS	N	N		IdleWD
-1	4.11E+08	Freeman	9	Idle	OG	Oil & Gas	R1375	Res-Tech, I	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41487	-119.1867	GPS	N	N	10/14/1959	IdleOG
-1	4.11E+08	Ojai	9	Idle	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43209	-119.1032	GPS	N	N	09/14/1893	IdleOG
-1	4.11E+08	Hamp	99	Idle	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43462	-119.1024	GPS	N	Y		IdleOG
-1	4.11E+08	Arco	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43143	-119.1021	GPS	N	Y	1/6/1973	ActiveOG
-1	4.11E+08	Cougar	1	Active	OG	Oil & Gas	S6425	Rose Kathe	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.44191	-119.126	Well Summ	N	Y	1/19/1977	ActiveOG
-1	4.11E+08	Nesbitt	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44454	-119.0975	GPS	N	Y	10/16/1974	ActiveOG
-1	4.11E+08	Hartman	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41505	-119.1461	GPS	N	Y	9/17/1981	ActiveOG
-1	4.11E+08	Barker-Fer	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43385	-119.0855	GPS	N	N		ActiveOG
-1	4.11E+08	M.P. Lane I	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44634	-119.1053	GPS	N	N	4/27/1976	ActiveOG
-1	4.11E+08	A.D.P. Fede	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44328	-119.0997	GPS	N	Y	8/8/1975	ActiveOG
-1	4.11E+08	Ruthman	1	Active	OG	Oil & Gas	O1200	Ojai Oil Co	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43737	-119.1291	GPS	N	N	11/16/1933	ActiveOG
-1	4.11E+08	Sulphur Cr	23-Jan	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.4093	-119.1566	GPS	N	Y	6/20/1979	ActiveOG
-1	4.11E+08	Lease by O	10	Active	OG	Oil & Gas	O1200	Ojai Oil Co	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43647	-119.1303	GPS	N	N	2/21/1955	ActiveOG
-1	4.11E+08	Lease by Ca	10	Active	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43436	-119.2361	GPS	N	N		ActiveOG
-1	4.11E+08	Arco	10	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43184	-119.1136	GPS	N	Y	3/3/1976	ActiveOG
-1	4.11E+08	Ojai	100	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42552	-119.1356	GPS	N	Y	9/23/1979	ActiveOG
-1	4.11E+08	Ojai	101	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42823	-119.1419	GPS	N	Y	10/17/1978	ActiveOG
-1	4.11E+08	Sulphur Cr	101-23	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41777	-119.1507	GPS	N	N	1/12/1982	ActiveOG
-1	4.11E+08	Ojai	102	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42847	-119.1367	GPS	N	Y	11/7/1978	ActiveOG
-1	4.11E+08	Sulphur Cr	102-23	Active	WD	Water Disp	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41497	-119.1593	GPS	N	N	2/14/1984	ActiveWD
-1	4.11E+08	Ojai	103	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42971	-119.1346	GPS	N	N	3/3/1979	ActiveOG
-1	4.11E+08	Ojai	104	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43023	-119.1322	GPS	N	Y	4/17/1979	ActiveOG
-1	4.11E+08	Ojai	105	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4217	-119.1397	GPS	N	Y	5/11/1979	ActiveOG
-1	4.11E+08	Ojai	106	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42105	-119.1434	GPS	N	N	6/5/1979	ActiveOG
-1	4.11E+08	Ojai	107	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42162	-119.1413	GPS	N	Y	6/29/1979	ActiveOG
-1	4.11E+08	Valex-Ferr	107	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43386	-119.0853	GPS	N	Y	7/3/1981	ActiveOG
-1	4.11E+08	Ojai	108	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42974	-119.1264	GPS	N	Y	8/27/1980	ActiveOG
-1	4.11E+08	Ojai	109	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	19	04N	21W	SB	34.42231	-119.1227	GPS	N	N	6/21/1980	ActiveOG
-1	4.11E+08	Lease by O	11	Active	OG	Oil & Gas	O1200	Ojai Oil Co	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43864	-119.1333	GPS	N	N	2/2/1981	ActiveOG
-1	4.11E+08	Arco	11	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43186	-119.1136	GPS	N	N	10/28/1976	ActiveOG
-1	4.11E+08	Ojai	110	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42971	-119.1263	GPS	N	N	6/2/1981	ActiveOG
-1	4.11E+08	Valex-Ferr	110	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43386	-119.0853	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	112	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43174	-119.1252	GPS	N	N	2/28/1980	ActiveOG
-1	4.11E+08	Ojai	114	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	19	04N	21W	SB	34.42234	-119.1227	GPS	N	Y	10/25/1980	ActiveOG
-1	4.11E+08	Ojai	116	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42299	-119.1501	GPS	N	N	3/27/1980	ActiveOG
-1	4.11E+08	Ojai	117	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43012	-119.1303	GPS	N	N	12/26/1983	ActiveOG
-1	4.11E+08	Ojai	118	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42239	-119.1311	GPS	N	Y	8/7/1982	ActiveOG
-1	4.11E+08	Ojai	119	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42255	-119.1532	GPS	N	N	10/2/1980	ActiveOG
-1	4.11E+08	Arco	12	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43141	-119.107	GPS	N	Y	9/29/1977	ActiveOG
-1	4.11E+08	Sulphur Cr	23-Dec	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41492	-119.1594	GPS	N	Y	10/10/1982	ActiveOG
-1	4.11E+08	Ojai	120	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42236	-119.131	GPS	N	N	6/22/1982	ActiveOG
-1	4.11E+08	Ojai	121	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43034	-119.1217	GPS	N	N	3/13/1981	ActiveOG
-1	4.11E+08	Ojai	122	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43032	-119.1217	GPS	N	N	12/15/1982	ActiveOG
-1	4.11E+08	Ojai	123	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42237	-119.135	GPS	N	Y	8/3/1983	ActiveOG
-1	4.11E+08	Ojai	124	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43058	-119.1222	GPS	N	N	9/9/1983	ActiveOG
-1	4.11E+08	Ojai	125	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	19	04N	21W	SB	34.42184	-119.1267	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	126	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42956	-119.1264	GPS	N	Y	12/13/1984	ActiveOG
-1	4.11E+08	Ojai	128	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42236	-119.1351	GPS	N	N	10/19/1988	ActiveOG
-1	4.11E+08	Arco	13	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43138	-119.107	Well Summ	N	Y	5/17/1978	ActiveOG
-1	4.11E+08	Ojai	130	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4282	-119.142	GPS	N	N	11/21/1988	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Ojai	133	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42235	-119.1311	Well Summ	N	Y	11/23/2010	ActiveOG
-1	4.11E+08	Arco	14	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43186	-119.1137	GPS	N	Y		ActiveOG
-1	4.11E+08	Arco	15	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43193	-119.1154	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	16	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43254	-119.1086	GPS	N	N		ActiveOG
-1	4.11E+08	Arco	16	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43266	-119.1122	Well Summ	N	Y	7/31/1980	ActiveOG
-1	4.11E+08	Ojai	17	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43282	-119.109	GPS	N	Y	12/13/1900	ActiveOG
-1	4.11E+08	Arco	17	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43254	-119.1123	GPS	N	Y	7/30/1981	ActiveOG
-1	4.11E+08	Arco	18	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43209	-119.1045	GPS	N	Y	6/9/1980	ActiveOG
-1	4.11E+08	Ojai	19	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.4326	-119.1094	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by O	2	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43616	-119.135	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43342	-119.2338	GPS	N	Y	10/11/1983	ActiveOG
-1	4.11E+08	Cougar	2	Active	OG	Oil & Gas	S6425	Rose Kathe	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.44338	-119.1261	GPS	N	N	5/25/1981	ActiveOG
-1	4.11E+08	Schroeder	2	Active	OG	Oil & Gas	M2750	West Coast	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41307	-119.1794	GPS	N	N	6/3/1957	ActiveOG
-1	4.11E+08	Harth	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43761	-119.1045	GPS	N	N	12/15/1972	ActiveOG
-1	4.11E+08	Sulphur Cre	23-Feb	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.40929	-119.1567	GPS	N	Y	11/1/1979	ActiveOG
-1	4.11E+08	Ojai	20	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43215	-119.109	GPS	N	N	1/16/1902	ActiveOG
-1	4.11E+08	Arco	20	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43036	-119.0997	GPS	N	N	10/17/1978	ActiveOG
-1	4.11E+08	Ojai	201	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43277	-119.1123	GPS	N	N	11/2/1976	ActiveOG
-1	4.11E+08	Ojai	202	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43227	-119.1134	GPS	N	N	11/11/1976	ActiveOG
-1	4.11E+08	Ojai	203	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43233	-119.1156	GPS	N	N	11/21/1976	ActiveOG
-1	4.11E+08	Ojai	205	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43045	-119.1216	GPS	N	Y	9/25/1979	ActiveOG
-1	4.11E+08	Ojai	207	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43041	-119.1214	GPS	N	Y	12/17/1985	ActiveOG
-1	4.11E+08	Arco	21	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43055	-119.1187	GPS	N	Y	6/7/1979	ActiveOG
-1	4.11E+08	Valex-Ferni	211	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43344	-119.0806	GPS	N	Y		ActiveOG
-1	4.11E+08	Valex-Ferni	214	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.4334	-119.0806	GPS	N	N		ActiveOG
-1	4.11E+08	Valex-Ferni	215	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43336	-119.0805	Well Summ	N	Y	10/13/1982	ActiveOG
-1	4.11E+08	Arco	22	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43057	-119.1186	GPS	N	Y		ActiveOG
-1	4.11E+08	TS	23	Active	OG	Oil & Gas	S3950	Silver Explo	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.4408	-119.1273	GPS	N	N	8/4/1964	ActiveOG
-1	4.11E+08	Arco	25	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.4314	-119.102	GPS	N	N	3/8/1984	ActiveOG
-1	4.11E+08	Arco	26	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4335	-119.1171	GPS	N	Y		ActiveOG
-1	4.11E+08	Arco	27	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43189	-119.1155	GPS	N	Y		ActiveOG
-1	4.11E+08	Arco	28	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43195	-119.1155	GPS	N	Y		ActiveOG
-1	4.11E+08	Arco	29	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43188	-119.1136	GPS	N	Y		ActiveOG
-1	4.11E+08	Hamp	29	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43496	-119.0959	GPS	N	N	1/28/1955	ActiveOG
-1	4.11E+08	Barker-Ferr	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43384	-119.0856	GPS	N	Y	5/31/1975	ActiveOG
-1	4.11E+08	Lease by O	3	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43696	-119.1336	GPS	N	N		ActiveOG
-1	4.11E+08	SM	3	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43805	-119.1309	GPS	N	N	2/1/1912	ActiveOG
-1	4.11E+08	Sulphur Cre	23-Mar	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.4176	-119.1506	GPS	N	Y	10/10/1982	ActiveOG
-1	4.11E+08	Hamp Fee	30	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43458	-119.0999	GPS	N	N	6/21/1939	ActiveOG
-1	4.11E+08	Ojai	31	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43538	-119.1317	GPS	N	N	9/13/1910	ActiveOG
-1	4.11E+08	Hamp Fee	34	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.4364	-119.1031	Well Summ	N	Y	2/22/1973	ActiveOG
-1	4.11E+08	Hamp	36	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43644	-119.1031	GPS	N	N		ActiveOG
-1	4.11E+08	Hamp Fee	37	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43464	-119.1024	GPS	N	N	11/5/1971	ActiveOG
-1	4.11E+08	Hamp Fee	38	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43465	-119.1025	GPS	N	N	11/26/1971	ActiveOG
-1	4.11E+08	Ojai	39	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43462	-119.1331	GPS	N	N	4/24/1919	ActiveOG
-1	4.11E+08	Hamp	39	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43641	-119.1032	GPS	N	Y	12/27/1971	ActiveOG
-1	4.11E+08	Lease by O	4	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43798	-119.1343	GPS	N	N		ActiveOG
-1	4.11E+08	JP	4	Active	OG	Oil & Gas	S3950	Silver Explo	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43962	-119.1278	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43504	-119.2356	GPS	N	N	9/24/1956	ActiveOG
-1	4.11E+08	Barker-Ferr	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43386	-119.0854	Well Summ	N	Y	9/1/1976	ActiveOG
-1	4.11E+08	Sulphur Cre	23-Apr	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41772	-119.1507	GPS	N	Y	5/21/1980	ActiveOG
-1	4.11E+08	Hamp	40	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43497	-119.0959	Well Summ	N	Y	6/28/2019	ActiveOG
-1	4.11E+08	Ojai	402	Active	OG	Oil & Gas	M2750	West Coast	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43402	-119.1577	hud	N	N	1/22/1977	ActiveOG
-1	4.11E+08	Ojai	404	Active	OG	Oil & Gas	M2750	West Coast	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.4335	-119.1492	GPS	N	N	12/21/1977	ActiveOG
-1	4.11E+08	Ojai	406	Active	OG	Oil & Gas	M2750	West Coast	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43885	-119.1616	GPS	N	N	2/12/1979	ActiveOG
-1	4.11E+08	Hamp Fee	41	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43496	-119.0958	GPS	N	N	4/25/1972	ActiveOG
-1	4.11E+08	Ojai	41	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43505	-119.1291	GPS	N	N	8/3/1919	ActiveOG
-1	4.11E+08	Ojai	42	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43432	-119.1301	GPS	N	N	11/12/1920	ActiveOG
-1	4.11E+08	Hamp Fee	43	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43468	-119.0984	GPS	N	N	8/1/1972	ActiveOG
-1	4.11E+08	Hamp Fee	44	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43629	-119.103	GPS	N	Y	8/14/1972	ActiveOG
-1	4.11E+08	Hamp	45	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43518	-119.0899	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	45	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42549	-119.1358	GPS	N	N	5/1/1947	ActiveOG
-1	4.11E+08	Hamp	46	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43498	-119.096	GPS	N	N	10/27/1972	ActiveOG
-1	4.11E+08	Ojai	46	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.427	-119.1378	GPS	N	Y	6/13/1947	ActiveOG
-1	4.11E+08	Ojai	47	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42635	-119.1399	GPS	N	N	4/10/1978	ActiveOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hamp	47	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43219	-119.1009	GPS	N	Y	11/27/1972	ActiveOG
-1	4.11E+08	Hamp	48	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43222	-119.1009	Well Summ	N	Y	2/19/1973	ActiveOG
-1	4.11E+08	Ojai	49	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42786	-119.1354	GPS	N	N	9/13/1947	ActiveOG
-1	4.11E+08	Hamp	49	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43494	-119.0958	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by O	5	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43539	-119.1299	GPS	N	N	10/22/1922	ActiveOG
-1	4.11E+08	Ojai	5	Active	OG	Oil & Gas	T2305	Thompson	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43266	-119.1085	GPS	N	N	03/17/1893	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43459	-119.2372	GPS	N	N	3/17/1954	ActiveOG
-1	4.11E+08	Sulphur Cre	23-May	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41756	-119.1506	GPS	N	Y	12/14/1981	ActiveOG
-1	4.11E+08	Hamp Fee	50	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43493	-119.0958	GPS	N	Y	12/30/2010	ActiveOG
-1	4.11E+08	Ojai	502	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43095	-119.1357	GPS	N	N	12/1/1976	ActiveOG
-1	4.11E+08	Ojai	503	Active	OG	Oil & Gas	M2750	West Coast	Ojai	Sisar Creek	Ventura County	Northern	Ventura	14	04N	22W	SB	34.43305	-119.1465	GPS	N	N	1/22/1977	ActiveOG
-1	4.11E+08	Ojai	507	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43201	-119.1359	GPS	N	N	11/8/1978	ActiveOG
-1	4.11E+08	Ojai	51	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42799	-119.1332	GPS	N	N	12/13/1947	ActiveOG
-1	4.11E+08	Hamp Fee	51	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43387	-119.1049	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	52	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42647	-119.1432	GPS	N	Y	1/25/1948	ActiveOG
-1	4.11E+08	Hamp	52	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43524	-119.0899	Well Summ	N	Y	5/5/2020	ActiveOG
-1	4.11E+08	Ojai	53	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42786	-119.1313	GPS	N	N	2/25/1948	ActiveOG
-1	4.11E+08	Hamp	53	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43526	-119.0898	GPS	N	N		ActiveOG
-1	4.11E+08	Ojai	54	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42641	-119.1456	GPS	N	Y	3/31/1948	ActiveOG
-1	4.11E+08	Ojai	55	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43016	-119.1303	GPS	N	Y	2/5/1949	ActiveOG
-1	4.11E+08	Ojai	56	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.4226	-119.1533	GPS	N	Y	5/3/1948	ActiveOG
-1	4.11E+08	Hamp Fee	57	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43214	-119.101	GPS	N	N	6/12/1974	ActiveOG
-1	4.11E+08	Ojai	57	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.4272	-119.147	GPS	N	N	9/6/1948	ActiveOG
-1	4.11E+08	Ojai	58	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42583	-119.1474	GPS	N	N	11/6/1948	ActiveOG
-1	4.11E+08	Hamp	58	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43217	-119.1009	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	59	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42669	-119.1489	GPS	N	N	12/2/1948	ActiveOG
-1	4.11E+08	Lease by O	6	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43826	-119.1321	GPS	N	N	7/20/1946	ActiveOG
-1	4.11E+08	Sulphur Cre	23-Jun	Active	OG	Oil & Gas	T1200	The Termo	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41488	-119.1594	GPS	N	Y	9/9/1982	ActiveOG
-1	4.11E+08	Hamp	61	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43512	-119.09	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	62	Active	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42311	-119.1504	GPS	N	Y	4/18/1974	ActiveWD
-1	4.11E+08	Hamp	62	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43528	-119.0897	Well Summ	N	Y	11/28/1975	ActiveOG
-1	4.11E+08	Hamp	63	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43509	-119.09	GPS	N	Y	1/31/1976	ActiveOG
-1	4.11E+08	Hamp Fee	64	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43393	-119.1051	GPS	N	N	7/9/1976	ActiveOG
-1	4.11E+08	Ojai	64	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42411	-119.153	GPS	N	N	12/3/1948	ActiveOG
-1	4.11E+08	Hamp	65	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43541	-119.0896	Well Summ	N	Y	12/14/1983	ActiveOG
-1	4.11E+08	Hamp	66	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43526	-119.0898	GPS	N	Y	2/18/1984	ActiveOG
-1	4.11E+08	Hamp	67	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43483	-119.0956	GPS	N	Y	4/23/1984	ActiveOG
-1	4.11E+08	Hamp	68	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43538	-119.0896	GPS	N	Y		ActiveOG
-1	4.11E+08	Ojai	68	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4297	-119.1264	GPS	N	N	11/23/1954	ActiveOG
-1	4.11E+08	Ojai	69	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43038	-119.1217	GPS	N	Y	7/18/1979	ActiveOG
-1	4.11E+08	Arco	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43134	-119.1068	GPS	N	Y	9/16/1975	ActiveOG
-1	4.11E+08	Lease by O	7	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43986	-119.1305	GPS	N	N	10/3/1947	ActiveOG
-1	4.11E+08	Sulphur Cre	13-Jul	Active	OG	Oil & Gas	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	13	04N	22W	SB	34.41961	-119.1411	GPS	N	Y	9/16/1981	ActiveOG
-1	4.11E+08	Ojai	70	Active	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42187	-119.1461	GPS	N	N	1/4/1980	ActiveWD
-1	4.11E+08	Ojai	71	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42166	-119.1397	GPS	N	Y	7/16/1983	ActiveOG
-1	4.11E+08	Ferndale	712	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	9	04N	21W	SB	34.43864	-119.0829	GPS	N	Y		ActiveOG
-1	4.11E+08	Ferndale	716	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	9	04N	21W	SB	34.43854	-119.083	Well Summ	N	Y	1/7/1990	ActiveOG
-1	4.11E+08	Ferndale	717	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	9	04N	21W	SB	34.43843	-119.0831	Well Summ	N	Y	2/17/1990	ActiveOG
-1	4.11E+08	Hamp	72	Active	WD	Water Disp	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.4346	-119.1023	GPS	N	Y	6/25/1984	ActiveWD
-1	4.11E+08	Hamp Fee	73	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43396	-119.1051	GPS	N	Y	4/24/1989	ActiveOG
-1	4.11E+08	Hamp	74	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.4354	-119.0898	Well Summ	N	Y	8/20/2019	ActiveOG
-1	4.11E+08	Lease by Ca	75	Active	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43543	-119.0898	Well Summ	N	Y	10/17/2019	ActiveOG
-1	4.11E+08	Ojai	77	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42936	-119.1282	GPS	N	Y	10/12/1979	ActiveOG
-1	4.11E+08	Ojai	78	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42295	-119.1501	GPS	N	Y	7/10/1974	ActiveOG
-1	4.11E+08	Ojai	79	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42488	-119.1471	GPS	N	Y	5/7/1975	ActiveOG
-1	4.11E+08	Arco	8	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43139	-119.1069	GPS	N	Y	12/2/1975	ActiveOG
-1	4.11E+08	Lease by O	8	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43701	-119.1324	GPS	N	N	8/9/1950	ActiveOG
-1	4.11E+08	Ojai	81	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42357	-119.149	GPS	N	Y	7/22/1975	ActiveOG
-1	4.11E+08	Ojai	82	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42476	-119.1469	GPS	N	Y	8/6/1975	ActiveOG
-1	4.11E+08	Ojai	83	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42551	-119.1427	GPS	N	Y	1/29/1976	ActiveOG
-1	4.11E+08	Ojai	84	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42551	-119.1428	GPS	N	Y	2/18/1976	ActiveOG
-1	4.11E+08	Ojai	85	Active	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42182	-119.1545	GPS	N	N	8/8/1976	ActiveWD
-1	4.11E+08	Ojai	86	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42437	-119.144	GPS	N	Y	8/24/1976	ActiveOG
-1	4.11E+08	AM	86	Active	OG	Oil & Gas	S3950	Silver Explc	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44005	-119.1273	GPS	N	N	9/19/1964	ActiveOG
-1	4.11E+08	Ojai	87	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42477	-119.14	GPS	N	N	10/8/1976	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Ojai	88	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42473	-119.1402	GPS	N	N	10/28/1976	ActiveOG
-1	4.11E+08	Ojai	89	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42207	-119.1462	GPS	N	N	11/18/1983	ActiveOG
-1	4.11E+08	Lease by Ca	9	Active	OG	Oil & Gas	E0455	CalNRG Op	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43277	-119.237	GPS	N	N	8/8/1961	ActiveOG
-1	4.11E+08	Arco	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43183	-119.1135	GPS	N	N	1/24/1976	ActiveOG
-1	4.11E+08	Sulphur Cre	13-Sep	Active	WD	Water Disp	T1200	The Termo	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	13	04N	22W	SB	34.41971	-119.1406	GPS	N	Y	11/9/1981	ActiveWD
-1	4.11E+08	Ojai	90	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42297	-119.148	GPS	N	N	10/1/1977	ActiveOG
-1	4.11E+08	Ojai	91	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42392	-119.1453	GPS	N	N	1/5/1977	ActiveOG
-1	4.11E+08	Ojai	92	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42495	-119.1373	GPS	N	Y	12/29/1977	ActiveOG
-1	4.11E+08	Ojai	93	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42479	-119.1374	GPS	N	N	11/23/1977	ActiveOG
-1	4.11E+08	Ojai	94	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42394	-119.1422	GPS	N	Y	10/29/1977	ActiveOG
-1	4.11E+08	Ojai	95	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42812	-119.1395	GPS	N	N	3/22/1978	ActiveOG
-1	4.11E+08	Ojai	96	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42402	-119.1453	GPS	N	N	1/21/1978	ActiveOG
-1	4.11E+08	Ojai	97	Active	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42055	-119.1533	GPS	N	N	2/23/1978	ActiveWD
-1	4.11E+08	Ojai	98	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42782	-119.1446	GPS	N	N	6/8/1978	ActiveOG
-1	4.11E+08	Ojai	99	Active	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4317	-119.1252	GPS	N	Y	2/2/1980	ActiveOG
-1	4.11E+08	Lease by O	9A	Active	OG	Oil & Gas	O1200	Ojai Oil Co	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43745	-119.1357	GPS	N	N	12/12/1950	ActiveOG
-1	4.11E+08	Well No.	?	Plugged	OG	Oil & Gas	8760	Ventura Oi	Ojai	Silverthread	Ventura County	Northern	Ventura	9	04N	21W	SB	34.4386	-119.0847	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	?	Plugged	OG	Oil & Gas	6822	Philadelphi	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38776	-119.2972	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	2083	Davis & Re	Ojai	Lion Mountain	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4187	-119.1097	hud	N	N		PluggedDH
-1	4.11E+08	Thompson	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Ojai	Lion Mountain	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41912	-119.1109	hud	N	N		PluggedDH
-1	4.11E+08	Alexander	1	Plugged	OG	Oil & Gas	C0525	Cabeen Ex	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43404	-119.1151	hud	N	N	12/13/1979	PluggedOG
-1	4.11E+08	M & L	1	Plugged	OG	Oil & Gas	8820	Volunteer I	Ojai	Sisar Creek	Ventura County	Northern	Ventura	7	04N	21W	SB	34.43785	-119.1187	GPS	N	N		PluggedOG
-1	4.11E+08	Scott	1	Plugged	OG	Oil & Gas	3441	Giovanni V	Ojai	Lion Mountain	Ventura County	Northern	Ventura	4	04N	21W	SB	34.45768	-119.0866	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8760	Ventura Oi	Ojai	Lion Mountain	Ventura County	Northern	Ventura	4	04N	21W	SB	34.45225	-119.078	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3263	Gates Oil C	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43698	-119.1469	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1579	Chillicothe	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43816	-119.1502	hud	N	N		PluggedDH
-1	4.11E+08	Vogel	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44205	-119.1531	hud	N	N		PluggedOG
-1	4.11E+08	Boccali	1	Plugged	DH	Dry Hole	H5710	Howard Oil	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.4422	-119.1528	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7561	Sabra Vista	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43902	-119.1553	hud	N	N		PluggedOG
-1	4.11E+08	B. & L.	1	Plugged	OG	Oil & Gas	O1200	Ojai Oil Co	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43944	-119.1401	Well Summ	N	N	3/31/1944	PluggedOG
-1	4.11E+08	Schroeder	1	Plugged	DH	Dry Hole	S4000	F. S. Simps	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41283	-119.1793	hud	N	N		PluggedDH
-1	4.11E+08	Freeman	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.40723	-119.1874	hud	N	N	5/23/1953	PluggedDH
-1	4.11E+08	Travis-Exet	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Ojai	Lion Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41262	-119.1727	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	498	Atlanta Oil	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	22	04N	22W	SB	34.40789	-119.1681	hud	N	N		PluggedOG
-1	4.11E+08	McCallister	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41754	-119.1615	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	9097	West Amer	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	19	04N	22W	SB	34.40848	-119.2251	hud	N	N		PluggedOG
-1	4.11E+08	Sulphur Mo	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Ojai	Lion Mountain	Ventura County	Northern	Ventura	30	04N	22W	SB	34.40292	-119.2229	hud	N	Y	3/8/1981	PluggedDH
-1	4.11E+08	Lebrache	1	Plugged	OG	Oil & Gas	2936	Fillmore Oi	Ojai	Lion Mountain	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43789	-119.2138	hud	N	N		PluggedOG
-1	4.11E+08	Canet Core	1	Plugged	CH	Core Hole	7819	Shell Oil Co	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.3844	-119.2771	hud	N	N	3/25/1953	PluggedCH
-1	4.11E+08	Macrate	1	Plugged	OG	Oil & Gas	4034	Holly Devel	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	27	04N	23W	SB	34.3981	-119.2701	GPS	N	N	6/19/1938	PluggedOG
-1	4.11E+08	Riva	1	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	27	04N	23W	SB	34.40144	-119.2703	hud	N	N		PluggedOG
-1	4.11E+08	Smith & Ric	1	Plugged	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	25W	SB	34.38341	-119.2817	hud	N	N	2/27/1933	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7336	Riverside-V	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38929	-119.2983	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1337	Canada We	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43686	-119.1429	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	1340	Canadian C	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43723	-119.1451	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5566	M. K. & T. (	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.41972	-119.1398	hud	N	N		PluggedDH
-1	4.11E+08	Barnard	1	Plugged	DH	Dry Hole	3772	Haney & W	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44011	-119.1411	Operator	N	N	8/29/1959	PluggedDH
-1	4.11E+08	Vogel W. D	1	Plugged	INJ	Injection	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.4425	-119.1524	hud	N	N		PluggedINJ
-1	4.11E+08	Carlson	1	Plugged	DH	Dry Hole	4790	Joseph M. (	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	24	04N	22W	SB	34.41742	-119.1393	hud	N	N	1/31/1955	PluggedDH
-1	4.11E+08	Rekar	1	Plugged	DH	Dry Hole	6261	NHK Oil Co	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	24	04N	22W	SB	34.41516	-119.1341	hud	N	N	5/24/1957	PluggedDH
-1	4.11E+08	Roberta	1	Plugged	OG	Oil & Gas	V1675	Vista Pacifi	Ojai	Silverthread	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44175	-119.1274	hud	N	N	8/29/1988	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3299	Geo. F. Wil	Ojai	Lion Mountain	Ventura County	Northern	Ventura	2	04N	22W	SB	34.44843	-119.1617	hud	N	N		PluggedDH
-1	4.11E+08	Jack Mundi	1	Plugged	DH	Dry Hole	4410	J. J. Mundir	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.416	-119.1678	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	5322	Liberty Oil	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.40903	-119.1728	hud	N	N		PluggedDH
-1	4.11E+08	S. M. P.	1	Plugged	DH	Dry Hole	892	Bradford &	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41172	-119.1845	hud	N	N	10/23/1926	PluggedDH
-1	4.11E+08	Freeman-R	1	Plugged	OG	Oil & Gas	P3150	Phoenix W	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41508	-119.1824	GPS	N	N		PluggedOG
-1	4.11E+08	Hilltop	1	Plugged	OG	Oil & Gas	8820	Volunteer I	Ojai	Silverthread	Ventura County	Northern	Ventura	7	04N	21W	SB	34.43767	-119.1134	hud	N	N	2/4/1951	PluggedOG
-1	4.11E+08	Stroback	1	Plugged	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	25W	SB	34.38464	-119.2809	hud	N	N	8/29/1932	PluggedOG
-1	4.11E+08	Macrate	1	Plugged	OG	Oil & Gas	5115	L. M. Lockh	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	27	04N	23W	SB	34.39534	-119.2766	hud	N	N	6/30/1946	PluggedOG
-1	4.11E+08	Herbert Tai	1	Plugged	DH	Dry Hole	4489	J. W. Hackv	Ojai	Oakview (ABD)	Ojai	Northern	Ventura	11	04N	23W	SB	34.44114	-119.2634	hud	N	N		PluggedDH
-1	4.11E+08	Heise	1	Plugged	OG	Oil & Gas	P3100	Phillips Pet	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	26	04N	23W	SB	34.40022	-119.2644	hud	N	N	11/5/1957	PluggedOG
-1	4.11E+08	Yuna D	1	Plugged	DH	Dry Hole	V1214	Ventura Re	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	2	03N	23W	SB	34.36977	-119.2662	hud	N	N	8/4/1984	PluggedDH
-1	4.11E+08	Carty	1	Plugged	DH	Dry Hole	2400	E. H. A. Anc	Ojai	Oakview (ABD)	Ojai	Northern	Ventura	11	04N	23W	SB	34.43722	-119.2659	hud	N	N	2/26/1951	PluggedDH
-1	4.11E+08	Pirie	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43255	-119.2337	hud	N	N	10/23/1934	PluggedDH
-1	4.11E+08	Anderson	1	Plugged	OG	Oil & Gas	P3150	Phoenix W	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.43216	-119.2298	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2169	Dixie Natio	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38438	-119.2935	hud	N	N	1/1/1908	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37801	-119.2897	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6171	National Di	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	28	04N	23W	SB	34.39654	-119.2889	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2839	F. H. Allen	Ojai	Lion Mountain	Ventura County	Northern	Ventura	16	04N	21W	SB	34.423	-119.0789	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7597	San Buena	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.3763	-119.2984	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1826	Constitutio	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38418	-119.293	hud	N	N		PluggedDH
-1	4.11E+08	Canet	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	4	03N	23W	SB	34.3612	-119.2856	hud	N	N	10/23/1951	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5427	Los Angele	Ojai	Lion Mountain	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38827	-119.2839	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3981	Hess-Rue-H	Ojai	Lion Mountain	Ventura County	Northern	Ventura	28	04N	23W	SB	34.39414	-119.2883	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	6822	Philadelphi	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	14	04N	23W	SB	34.43182	-119.2538	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2522	Echo-Brea	Ojai	Lion Mountain	Ventura County	Northern	Ventura	9	04N	21W	SB	34.44585	-119.0859	hud	N	N		PluggedDH
-1	4.11E+08	E. M.& M.	1	Plugged	DH	Dry Hole	7021	R. B. Watki	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44007	-119.1428	hud	N	N		PluggedDH
-1	4.11E+08	Wilsie Can	1	Plugged	DH	Dry Hole	A3500	Argo Petrol	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.4454	-119.1519	hud	N	N	10/11/1974	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5210	Langdell, N	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41566	-119.1673	hud	N	N		PluggedDH
-1	4.11E+08	Fredericks	1	Plugged	DH	Dry Hole	8756	Ventura Dr	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41599	-119.1671	hud	N	N	5/12/1958	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7692	Santa Paul	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44057	-119.1594	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	4740	John Pirie	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43582	-119.2357	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2798	Ezra Taylor	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43605	-119.2356	hud	N	N		PluggedOG
-1	4.11E+08	B & B	1	Plugged	OG	Oil & Gas	B3525	Donald J. B	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.43207	-119.2306	hud	N	Y	8/9/1983	PluggedOG
-1	4.11E+08	SM	1	Plugged	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43701	-119.1313	Well Summ	N	N	6/28/1910	PluggedOG
-1	4.11E+08	Unrecorde	1	Plugged	OG	Oil & Gas	8677	Unknown (	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43347	-119.1338	GPS	N	N		PluggedOG
-1	4.11E+08	Lance Fletc	1	Plugged	OG	Oil & Gas	F1270	Lance Fletc	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43524	-119.1332	hud	N	N	8/23/1953	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43193	-119.1154	GPS	N	N	5/1/1919	PluggedOG
-1	4.11E+08	Inland Pet.	1	Plugged	DH	Dry Hole	988	Bush Oil Co	Ojai	Lion Mountain	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41889	-119.1111	hud	N	N	7/20/1973	PluggedDH
-1	4.11E+08	Hamp	1	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43309	-119.1009	hud	N	N		PluggedOG
-1	4.11E+08	Hillside	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43771	-119.1045	hud	N	N		PluggedDH
-1	4.11E+08	Victory	1	Plugged	DH	Dry Hole	5081	L. E. Ellingt	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43947	-119.0974	hud	N	N		PluggedDH
-1	4.11E+08	Delpy	1	Plugged	DH	Dry Hole	6261	NHK Oil Co	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	24	04N	22W	SB	34.41722	-119.1388	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7183	Ray Mustar	Ojai	Lion Mountain	Ventura County	Northern	Ventura	1	04N	22W	SB	34.45103	-119.1413	hud	N	N		PluggedDH
-1	4.11E+08	Scott Gov't	1	Plugged	OG	Oil & Gas	5751	Matilija Oil	Ojai	Lion Mountain	Ventura County	Northern	Ventura	1	04N	22W	SB	34.45122	-119.1416	hud	N	N	10/4/1953	PluggedOG
-1	4.11E+08	Scott	1	Plugged	DH	Dry Hole	867	Bonanza O	Ojai	Lion Mountain	Ventura County	Northern	Ventura	1	04N	22W	SB	34.4508	-119.1413	hud	N	N	4/13/1956	PluggedDH
-1	4.11E+08	Butcher	1	Plugged	DH	Dry Hole	3992	High Mesa	Ojai	Lion Mountain	Ventura County	Northern	Ventura	16	04N	22W	SB	34.43072	-119.1857	hud	N	N	4/15/1935	PluggedDH
-1	4.11E+08	W. A. Freer	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41403	-119.1812	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	1774	Combined	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	22	04N	22W	SB	34.40865	-119.1679	hud	N	N		PluggedOG
-1	4.11E+08	Pinkerton	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	15	04N	22W	SB	34.42179	-119.1656	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5021	Knudsen-St	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43376	-119.2388	hud	N	N	10/15/1930	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8916	W. J. McMi	Ojai	Lion Mountain	Ventura County	Northern	Ventura	30	04N	22W	SB	34.39932	-119.2321	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	6440	Olga-Ventu	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.41981	-119.2199	hud	N	N		PluggedOG
-1	4.11E+08	Arco	1	Plugged	DH	Dry Hole	S7100	Sumpf-Will	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	26	04N	23W	SB	34.40133	-119.2512	hud	N	Y	10/29/1975	PluggedDH
-1	4.11E+08	Pirie	1	Plugged	OG	Oil & Gas	6637	Pan Americ	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43313	-119.2485	hud	N	N		PluggedOG
-1	4.11E+08	Wallis et al	1	Plugged	DH	Dry Hole	1943	Custom Dri	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.42963	-119.2487	hud	N	N	12/6/1958	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	9333	Wm. J. Ren	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	22	04N	23W	SB	34.40459	-119.2786	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7332	Riva Oil & (	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	27	04N	23W	SB	34.38974	-119.2716	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4677	John Baron	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	15	04N	23W	SB	34.42356	-119.2732	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7043	R. E. Burke	Ojai	Oakview (ABD)	Ojai	Northern	Ventura	11	04N	23W	SB	34.44051	-119.2636	hud	N	N		PluggedDH
-1	4.11E+08	Garnier	1	Plugged	DH	Dry Hole	6773	Petro-Gas,	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	2	03N	23W	SB	34.36969	-119.2665	hud	N	N	7/29/1981	PluggedDH
-1	4.11E+08	Newton	1	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Ojai	Sisar Creek	Ventura County	Northern	Ventura	1	04N	22W	SB	34.44792	-119.1285	hud	N	N		PluggedOG
-1	4.11E+08	Pyramid	1	Plugged	OG	Oil & Gas	8820	Volunteer I	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43438	-119.1088	hud	N	N	11/15/1945	PluggedOG
-1	4.11E+08	Well No.	1-A	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38368	-119.2807	hud	N	N	6/4/1926	PluggedOG
-1	4.11E+08	Fox	1-M	Plugged	DH	Dry Hole	C7800	Conoco Inc	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41028	-119.1963	hud	N	N	5/2/1928	PluggedDH
-1	4.11E+08	Thompson	1-M	Plugged	DH	Dry Hole	C7800	Conoco Inc	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41274	-119.1679	hud	N	N	5/1/1928	PluggedDH
-1	4.11E+08	Vogel	10	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44125	-119.1493	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.3771	-119.2897	hud	N	N	1/9/1918	PluggedOG
-1	4.11E+08	Hamp	10	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43409	-119.0967	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	11	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43389	-119.0957	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	115	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42573	-119.1502	GPS	N	N	8/8/1980	PluggedOG
-1	4.11E+08	Ojai	12	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43269	-119.1071	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	12	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43417	-119.0997	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	129	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43066	-119.1222	GPS	N	N	11/8/1985	PluggedOG
-1	4.11E+08	Well No.	13	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37723	-119.2879	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	13	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43305	-119.0958	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	14	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43268	-119.1051	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	14	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43266	-119.1123	hud	N	N		PluggedOG
-1	4.11E+08	Astarta	14	Plugged	DH	Dry Hole	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43404	-119.1149	hud	N	N		PluggedDH
-1	4.11E+08	Hamp	15	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.433	-119.1062	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hamp	16	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43306	-119.107	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	16	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37746	-119.2901	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	17	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43312	-119.1077	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	17	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37629	-119.2914	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	18	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43346	-119.1078	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	19	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43376	-119.1015	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1A	Plugged	OG	Oil & Gas	3061	Frank Shan	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44193	-119.1043	hud	N	N		PluggedOG
-1	4.11E+08	Denault	2	Plugged	DH	Dry Hole	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	9	04N	21W	SB	34.44379	-119.0943	hud	N	Y	2/17/1974	PluggedDH
-1	4.11E+08	Roberta	2	Plugged	OG	Oil & Gas	F1450	Fortune Pe	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44149	-119.1274	hud	N	Y	2/6/1980	PluggedOG
-1	4.11E+08	Vogel	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44196	-119.1527	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	7561	Sabra Vista	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43881	-119.1562	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	1340	Canadian C	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43823	-119.1452	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	6822	Philadelphi	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38609	-119.2987	hud	N	N		PluggedOG
-1	4.11E+08	Pirie	2	Plugged	DH	Dry Hole	C7800	Conoco Inc	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43438	-119.2355	GPS	N	N	11/29/1935	PluggedDH
-1	4.11E+08	Pirie	2	Plugged	OG	Oil & Gas	6637	Pan Americ	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.42939	-119.2469	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	4740	John Pirie	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43575	-119.2369	hud	N	N		PluggedDH
-1	4.11E+08	Gosnell Fee	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	23	04N	23W	SB	34.40535	-119.2624	hud	N	Y		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	2839	F. H. Allen	Ojai	Lion Mountain	Ventura County	Northern	Ventura	16	04N	21W	SB	34.42379	-119.0806	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	3981	Hess-Rue-H	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38602	-119.2957	hud	N	N		PluggedOG
-1	4.11E+08	Hilltop	2	Plugged	OG	Oil & Gas	8820	Volunteer I	Ojai	Silverthread	Ventura County	Northern	Ventura	7	04N	21W	SB	34.43836	-119.1162	hud	N	N	11/25/1944	PluggedOG
-1	4.11E+08	Hillside	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43911	-119.1077	hud	N	N		PluggedDH
-1	4.11E+08	Macrate	2	Plugged	OG	Oil & Gas	5115	L. M. Lockh	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	27	04N	23W	SB	34.40053	-119.2719	hud	N	N	3/14/1948	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	6440	Olga-Ventu	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.41935	-119.2197	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	8119	Sulphur Mo	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.4095	-119.1736	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	5210	Langdell, N	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41558	-119.1683	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	5322	Liberty Oil	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.40985	-119.1835	hud	N	N		PluggedDH
-1	4.11E+08	Hamp	2	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43268	-119.1018	hud	N	N		PluggedOG
-1	4.11E+08	Delpy	2	Plugged	DH	Dry Hole	6280	Nordon Co	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	24	04N	22W	SB	34.41698	-119.1388	hud	N	N	6/20/1957	PluggedDH
-1	4.11E+08	Boccali	2	Plugged	DH	Dry Hole	2144	Dewayne L	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44144	-119.1568	hud	N	N		PluggedDH
-1	4.11E+08	Bailey	2	Plugged	OG	Oil & Gas	B3525	Donald J. B	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43487	-119.2331	hud	N	N	2/15/1953	PluggedOG
-1	4.11E+08	S. M. P.	2	Plugged	DH	Dry Hole	C7800	Conoco Inc	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.4109	-119.184	hud	N	N	5/7/1928	PluggedDH
-1	4.11E+08	Barker-Fern	2	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43386	-119.0855	GPS	N	Y	4/26/1975	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	8123	Summit Oil	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	26	04N	23W	SB	34.39441	-119.2533	hud	N	N		PluggedOG
-1	4.11E+08	Canet Core	2	Plugged	CH	Core Hole	7819	Shell Oil Co	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38429	-119.2776	hud	N	N	4/10/1953	PluggedCH
-1	4.11E+08	Ojai	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43225	-119.1047	hud	N	N		PluggedOG
-1	4.11E+08	Nesbitt	2	Plugged	UNK	Unknown	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44444	-119.0975	GPS	N	Y	7/31/1976	PluggedUNK
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	7692	Santa Paul	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.4413	-119.161	hud	N	N		PluggedOG
-1	4.11E+08	B. & L.	2	Plugged	OG	Oil & Gas	O1200	Ojai Oil Co	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44086	-119.1396	hud	N	N	6/21/1946	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	2434	E. L. Henth	Ojai	Lion Mountain	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38198	-119.2813	hud	N	N	2/1/1919	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	2798	Ezra Taylor	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43555	-119.2369	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37748	-119.2905	hud	N	N	2/7/1918	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	7597	San Buena	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.3838	-119.2934	hud	N	N		PluggedDH
-1	4.11E+08	Hamp	20	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43302	-119.1019	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	204	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43264	-119.1186	hud	N	N	12/13/1978	PluggedOG
-1	4.11E+08	Ojai	206	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43061	-119.1222	GPS	N	Y	12/4/1983	PluggedOG
-1	4.11E+08	Valex-Fern	209	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43349	-119.0807	GPS	N	N	9/1/1981	PluggedOG
-1	4.11E+08	Frederick-F	21	Plugged	DH	Dry Hole	157	Adcris Cruc	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	22	04N	22W	SB	34.41572	-119.1678	hud	N	N	10/28/1956	PluggedDH
-1	4.11E+08	Hamp	21	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43415	-119.1022	hud	N	N	6/1/1906	PluggedOG
-1	4.11E+08	Well No.	22	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37837	-119.289	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	22	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43511	-119.0967	hud	N	N	4/1/1907	PluggedOG
-1	4.11E+08	Hamp	23	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43362	-119.1042	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	23	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43197	-119.1337	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	24	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43287	-119.1031	hud	N	N	11/1/1916	PluggedOG
-1	4.11E+08	Well No.	24	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37833	-119.2886	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	24	Plugged	OG	Oil & Gas	T2305	Thompson	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43403	-119.1341	GPS	N	N		PluggedOG
-1	4.11E+08	Hamp	25	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43497	-119.0992	hud	N	N	3/1/1917	PluggedOG
-1	4.11E+08	Well No.	25	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37836	-119.2881	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	26	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43414	-119.0982	hud	N	N	2/10/1988	PluggedOG
-1	4.11E+08	Well No.	26	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37867	-119.2881	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	26	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43443	-119.134	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	27	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37956	-119.2882	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	29	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.4346	-119.1357	hud	N	N		PluggedOG
-1	4.11E+08	Delpy	3	Plugged	DH	Dry Hole	6280	Nordon Co	Ojai	Sulphur Crest	Ventura County	Northern	Ventura	24	04N	22W	SB	34.41712	-119.139	hud	N	N	4/28/1965	PluggedDH
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	8209	T. M. Gibso	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43829	-119.1407	hud	N	N		PluggedOG
-1	4.11E+08	Canet Core	3	Plugged	CH	Core Hole	7819	Shell Oil Co	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38541	-119.2776	hud	N	N	3/25/1953	PluggedCH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Nesbitt	3	Plugged	DH	Dry Hole	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44635	-119.1025	hud	N	N	4/27/1979	PluggedDH
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Lion Mountain	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38428	-119.2809	hud	N	N	5/30/1919	PluggedOG
-1	4.11E+08	Weldon Ca	3	Plugged	DH	Dry Hole	U0200	Union Oil C	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	3	03N	23W	SB	34.36793	-119.2838	hud	N	N	7/19/1951	PluggedDH
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37812	-119.2891	hud	N	N	6/10/1929	PluggedOG
-1	4.11E+08	Freeman-R	3	Plugged	OG	Oil & Gas	P3150	Phoenix W	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41205	-119.1832	GPS	N	Y	10/27/1982	PluggedOG
-1	4.11E+08	Hamp	3	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43257	-119.1034	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	3	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43236	-119.1056	GPS	N	N		PluggedOG
-1	4.11E+08	Bailey	3	Plugged	OG	Oil & Gas	B3525	Donald J. B	Ojai	Lion Mountain	Ventura County	Northern	Ventura	7	04N	22W	SB	34.43467	-119.2321	hud	N	N	8/20/1953	PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	6440	Olga-Ventu	Ojai	Lion Mountain	Ventura County	Northern	Ventura	19	04N	22W	SB	34.41901	-119.2196	hud	N	N		PluggedOG
-1	4.11E+08	Pirie	3	Plugged	OG	Oil & Gas	8032	St. Louis Oi	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43326	-119.2331	hud	N	N		PluggedOG
-1	4.11E+08	Hammond	3	Plugged	OG	Oil & Gas	B3527	Bentley Far	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43309	-119.2342	Well Summ	N	Y	3/18/1950	PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	7561	Sabra Vista	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43834	-119.1553	hud	N	N		PluggedOG
-1	4.11E+08	S. M. P.	3	Plugged	DH	Dry Hole	C7800	Conoco Inc	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.4138	-119.1828	hud	N	N	5/31/1929	PluggedDH
-1	4.11E+08	Hillside	3	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43736	-119.1042	hud	N	N		PluggedOG
-1	4.11E+08	Harth	3	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43745	-119.104	hud	N	N	3/25/1977	PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42979	-119.1199	hud	N	N		PluggedOG
-1	4.11E+08	B. & L.	3	Plugged	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43961	-119.1392	Well Summ	N	N	9/23/1951	PluggedOG
-1	4.11E+08	Vogel	3	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44155	-119.1534	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	30	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43422	-119.1357	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	30	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37708	-119.2884	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	301	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	15	04N	22W	SB	34.42353	-119.1664	hud	N	N	11/25/1978	PluggedOG
-1	4.11E+08	Ojai	302	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	15	04N	22W	SB	34.41954	-119.1677	hud	N	N	4/4/1979	PluggedOG
-1	4.11E+08	Ojai	303	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	15	04N	22W	SB	34.42522	-119.1739	hud	N	Y	1/5/1981	PluggedOG
-1	4.11E+08	Hamp	31	Plugged	INJ	Injection	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43488	-119.097	hud	N	N	8/29/1940	PluggedINJ
-1	4.11E+08	Valex-Ferr	313	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.42921	-119.0817	GPS	N	N		PluggedOG
-1	4.11E+08	Hamp	32	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43449	-119.098	hud	N	Y	4/12/1968	PluggedOG
-1	4.11E+08	Ojai	32	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43473	-119.137	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	33	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43471	-119.1022	hud	N	N		PluggedOG
-1	4.11E+08	Ojai	33	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43509	-119.1385	hud	N	N	6/13/1910	PluggedOG
-1	4.11E+08	Ojai	35	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4256	-119.1388	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	35	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43491	-119.091	hud	N	N	6/29/1971	PluggedOG
-1	4.11E+08	Ojai	36	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42976	-119.1386	GPS	N	N		PluggedOG
-1	4.11E+08	Ojai	37	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42815	-119.1405	hud	N	N	7/25/1917	PluggedOG
-1	4.11E+08	Ojai	38	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43448	-119.1309	hud	N	N	4/8/1919	PluggedOG
-1	4.11E+08	Hamp	4	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43248	-119.1011	hud	N	N		PluggedOG
-1	4.11E+08	Harth	4	Plugged	DH	Dry Hole	A3500	Argo Petrol	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.43764	-119.104	hud	N	N	4/21/1977	PluggedDH
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	7561	Sabra Vista	Ojai	Sisar Creek	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43898	-119.1573	hud	N	N		PluggedOG
-1	4.11E+08	B. & L.	4	Plugged	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.44099	-119.1408	hud	N	N	12/3/1975	PluggedOG
-1	4.11E+08	Theo E. Ha	4	Plugged	DH	Dry Hole	E3700	Exxon Mob	Ojai	Lion Mountain	Ventura County	Northern	Ventura	13	04N	23W	SB	34.43193	-119.2395	hud	N	N	7/22/1950	PluggedDH
-1	4.11E+08	Vogel	4	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44134	-119.1526	hud	N	N		PluggedOG
-1	4.11E+08	Pirie	4	Plugged	DH	Dry Hole	8010	Spencer D.	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.43173	-119.2275	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37777	-119.2896	hud	N	N	4/17/1918	PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	2434	E. L. Henth	Ojai	Lion Mountain	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38449	-119.2803	hud	N	N	12/18/1918	PluggedOG
-1	4.11E+08	Arco	4	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43137	-119.1023	hud	N	Y	10/31/1973	PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42923	-119.1188	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	7056	R. E. Struve	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43716	-119.1293	hud	N	N	6/1/1933	PluggedOG
-1	4.11E+08	Weldon Ca	4	Plugged	DH	Dry Hole	U0200	Union Oil C	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	3	03N	23W	SB	34.37343	-119.2775	hud	N	N	8/16/1951	PluggedDH
-1	4.11E+08	Well No.	4-A	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Lion Mountain	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38506	-119.2812	hud	N	N	12/18/1918	PluggedOG
-1	4.11E+08	Ferndale	401	Plugged	DH	Dry Hole	C0557	Carbon Cal	Ojai	Lion Mountain	Ventura County	Northern	Ventura	15	04N	21W	SB	34.42466	-119.0767	hud	N	N		PluggedDH
-1	4.11E+08	Ojai	403	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Lion Mountain	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43193	-119.1603	hud	N	N	12/15/1976	PluggedOG
-1	4.11E+08	Ojai	405	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42793	-119.1529	hud	N	N	8/18/1978	PluggedOG
-1	4.11E+08	Hamp	42	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43521	-119.0899	GPS	N	Y		PluggedOG
-1	4.11E+08	Ojai	43	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43389	-119.1278	hud	N	N	1/24/1921	PluggedOG
-1	4.11E+08	Ojai	44	Plugged	WD	Water Disp	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4268	-119.1355	GPS	N	N	12/31/1941	PluggedWD
-1	4.11E+08	Hamp	5	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43264	-119.1046	hud	N	N		PluggedOG
-1	4.11E+08	Barker-Fer	5	Plugged	WD	Water Disp	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43386	-119.0854	GPS	N	Y	10/13/1976	PluggedWD
-1	4.11E+08	Freeman-R	5	Plugged	OG	Oil & Gas	P3150	Phoenix W	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41591	-119.1798	GPS	N	Y	12/5/1983	PluggedOG
-1	4.11E+08	Well No.	5	Plugged	DH	Dry Hole	9314	Wm. A. Kirl	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41243	-119.1832	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42937	-119.1205	hud	N	N		PluggedOG
-1	4.11E+08	Vogel	5	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44131	-119.1553	hud	N	N		PluggedOG
-1	4.11E+08	Arco	5	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43222	-119.1086	hud	N	Y	5/12/1974	PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37865	-119.289	hud	N	N	5/5/1919	PluggedOG
-1	4.11E+08	Weldon Ca	5	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Weldon Canyon	Ventura County	Northern	Ventura	34	04N	23W	SB	34.37696	-119.2711	hud	N	Y	8/22/1974	PluggedOG
-1	4.11E+08	Pirie	5	Plugged	DH	Dry Hole	8010	Spencer D.	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.43293	-119.2287	hud	N	N		PluggedDH
-1	4.11E+08	Harth	5	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	8	04N	21W	SB	34.44001	-119.097	GPS	N	Y	5/5/2008	PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Ojai	50	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42751	-119.1428	hud	N	Y	5/31/1948	PluggedOG
-1	4.11E+08	Ojai	504	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43098	-119.137	GPS	N	N	8/3/1978	PluggedOG
-1	4.11E+08	Ojai	505	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42984	-119.1357	GPS	N	N	8/13/1978	PluggedOG
-1	4.11E+08	Ojai	506	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43175	-119.1253	hud	N	N	12/27/1978	PluggedOG
-1	4.11E+08	Ojai	508	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.43054	-119.135	GPS	N	N	1/5/1984	PluggedOG
-1	4.11E+08	Ojai	509	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	14	04N	22W	SB	34.43206	-119.1464	hud	N	N	10/3/1985	PluggedOG
-1	4.11E+08	Hamp	54	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43517	-119.0959	hud	N	Y		PluggedOG
-1	4.11E+08	Hamp Fee	55	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43388	-119.105	GPS	N	N	5/27/1997	PluggedOG
-1	4.11E+08	Hamp	56	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43376	-119.1051	hud	N	N		PluggedOG
-1	4.11E+08	Harth	6	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43661	-119.1033	GPS	N	N	6/21/2013	PluggedOG
-1	4.11E+08	Unspecifie	6	Plugged	DH	Dry Hole	B0525	Badger Oil	Ojai	Silverthread	Ventura County	Northern	Ventura	7	04N	21W	SB	34.43753	-119.126	GPS	N	N		PluggedDH
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42909	-119.1199	hud	N	N		PluggedOG
-1	4.11E+08	Barker-Fer	6	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43407	-119.0852	hud	N	Y		PluggedOG
-1	4.11E+08	Vogel	6	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44128	-119.1566	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38509	-119.281	hud	N	N		PluggedOG
-1	4.11E+08	Freeman	6	Plugged	OG	Oil & Gas	8119	Sulphur Mc	Ojai	Sulphur Mountain	Ventura County	Northern	Ventura	21	04N	22W	SB	34.41475	-119.1893	hud	N	N	1/10/1957	PluggedOG
-1	4.11E+08	Astarta	6	Plugged	OG	Oil & Gas	A4100	Astarta Ale	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43497	-119.1157	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	DH	Dry Hole	2823	F. E. Fairfie	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43477	-119.0904	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37881	-119.2897	hud	N	N	6/4/1918	PluggedOG
-1	4.11E+08	Bailey	6	Plugged	OG	Oil & Gas	B3525	Donald J. B	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43334	-119.2375	hud	N	N	7/1/1957	PluggedOG
-1	4.11E+08	Ojai	6	Plugged	OG	Oil & Gas	A4550	Arco Weste	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43296	-119.1114	hud	N	N		PluggedOG
-1	4.11E+08	Arco	6	Plugged	INJ	Injection	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43033	-119.0997	GPS	N	N	11/10/1974	PluggedINJ
-1	4.11E+08	Ojai	60	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42524	-119.1492	GPS	N	Y	1/8/1949	PluggedOG
-1	4.11E+08	Hamp	60	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.43515	-119.09	GPS	N	N		PluggedOG
-1	4.11E+08	Ojai	61	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42641	-119.1507	Well Summ	N	N	10/10/1948	PluggedOG
-1	4.11E+08	Ojai	63	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42551	-119.1526	Well Summ	N	Y	11/17/1948	PluggedOG
-1	4.11E+08	Ojai	67	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.4267	-119.1057	hud	N	Y		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	3981	Hess-Rue-H	Ojai	Lion Mountain	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38852	-119.2948	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	18	04N	21W	SB	34.42909	-119.1199	hud	N	N		PluggedOG
-1	4.11E+08	Bailey	7	Plugged	OG	Oil & Gas	B3525	Donald J. B	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43495	-119.2335	hud	N	N	12/1/1957	PluggedOG
-1	4.11E+08	Griffith & F	7	Plugged	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	25W	SB	34.38395	-119.2809	hud	N	N	5/1/1935	PluggedOG
-1	4.11E+08	Hamp	7	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43231	-119.1017	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	34	04N	23W	SB	34.38416	-119.2815	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37941	-119.2882	hud	N	N	6/7/1918	PluggedOG
-1	4.11E+08	Ojai	72	Plugged	DH	Dry Hole	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.42926	-119.136	hud	N	N	10/25/1954	PluggedDH
-1	4.11E+08	Ojai	73	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	14	04N	22W	SB	34.42887	-119.1468	hud	N	N	10/27/1954	PluggedOG
-1	4.11E+08	Ojai	74	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	14	04N	22W	SB	34.43088	-119.1465	hud	N	N	10/30/1954	PluggedOG
-1	4.11E+08	Hamp	74	New	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.4354	-119.0898	Notice of Ir	N	Y		NewOG
-1	4.11E+08	Ojai	75	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4328	-119.1323	hud	N	N	9/6/1956	PluggedOG
-1	4.11E+08	Hamp	76	New	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43378	-119.098	Notice of Ir	N	Y		NewOG
-1	4.11E+08	Ojai	76	Plugged	DH	Dry Hole	C0557	Carbon Cal	Ojai	Sisar Creek	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4328	-119.132	hud	N	N	6/5/1958	PluggedDH
-1	4.11E+08	Ferndale	8	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	Silverthread	Ventura County	Northern	Ventura	16	04N	21W	SB	34.4291	-119.0813	hud	N	N	8/16/1980	PluggedOG
-1	4.11E+08	Bailey	8	Plugged	OG	Oil & Gas	B3525	Donald J. B	Ojai	Lion Mountain	Ventura County	Northern	Ventura	12	04N	23W	SB	34.43353	-119.2374	hud	N	N	11/21/1960	PluggedOG
-1	4.11E+08	Hamp	8	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43375	-119.0983	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	DH	Dry Hole	5092	L. G. Miller	Ojai	Oakview (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.38944	-119.2912	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Silverthread	Ventura County	Northern	Ventura	13	01N	22W	SB	34.42979	-119.1216	hud	N	N		PluggedOG
-1	4.11E+08	Vogel	8	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.43985	-119.1522	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	C0885	California F	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37938	-119.2892	hud	N	N	9/16/1918	PluggedOG
-1	4.11E+08	Ojai	80	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Ojai	North Sulphur Mountain	Ventura County	Northern	Ventura	13	04N	22W	SB	34.4243	-119.1442	GPS	N	Y	7/6/1975	PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	2434	E. L. Henth	Ojai	Tip Top (ABD)	Ventura County	Northern	Ventura	33	04N	23W	SB	34.37777	-119.2884	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	O1200	Ojai Oil Cor	Ojai	Sisar Creek	Ventura County	Northern	Ventura	12	04N	22W	SB	34.43745	-119.1358	GPS	N	N		PluggedOG
-1	4.11E+08	Vogel	9	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Ojai	Vogel	Ventura County	Northern	Ventura	11	04N	22W	SB	34.44056	-119.1569	hud	N	N		PluggedOG
-1	4.11E+08	Hamp	9	Plugged	OG	Oil & Gas	S7200	Oryx Energ	Ojai	Silverthread	Ventura County	Northern	Ventura	17	04N	21W	SB	34.43259	-119.0983	hud	N	N		PluggedOG
-1	4.11E+08	Berylwood	B-1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Ojai	Lion Mountain	Ventura County	Northern	Ventura	18	04N	22W	SB	34.43124	-119.2231	hud	N	N	7/22/1949	PluggedDH
-1	4.11E+08	Lenox Ranc	100	Canceled	WD	Water Disp	T4500	Tri-Valley C	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19779	-119.1253	Operator	N	N		CanceledWD
-1	4.11E+08	Peak-HBH	2HU	Canceled	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20245	-119.114	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Joseph-Ma	3	Canceled	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18522	-119.1439	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	DEA	6	Canceled	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18929	-119.1462	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Maulhardt	8	Canceled	OG	Oil & Gas	C0885	California F	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18537	-119.1468	hud	N	Y		CanceledOG
-1	4.11E+08	Chase	C-11	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19514	-119.1208	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-C13	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19516	-119.1194	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-D10	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.1947	-119.1215	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-D12	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19459	-119.1201	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-D6	Canceled	SC	Cyclic Stear	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19454	-119.124	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Chase	C-F10	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19346	-119.1215	Notice of Ir	N	N		CanceledOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Chase	C-F14	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19349	-119.1187	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-F2	Canceled	SC	Cyclic Stear	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19337	-119.1271	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Chase	C-F6	Canceled	SC	Cyclic Stear	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19341	-119.124	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Chase	C-F8	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19344	-119.1229	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-G15	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19293	-119.118	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-J10	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19285	-119.1215	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Chase	C-J8	Canceled	OG	Oil & Gas	C0885	California R	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19245	-119.1229	Well Summ	N	N	4/29/2014	CanceledOG
-1	4.11E+08	Chase	C-WWD2	Canceled	INJ	Injection	C0885	California R	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19567	-119.1281	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Chase	C-WWD3	Canceled	INJ	Injection	C0885	California R	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19477	-119.1275	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Chase	C-WWD4	Canceled	INJ	Injection	C0885	California R	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19365	-119.1275	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Chase	DN-1	Canceled	SC	Cyclic Stear	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.1928	-119.1264	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Chase	DN-2	Canceled	SC	Cyclic Stear	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19281	-119.1277	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Lenox	M-1	Canceled	OG	Oil & Gas	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19768	-119.1243	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Lenox	M-3	Canceled	OG	Oil & Gas	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19744	-119.1178	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-A3	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20135	-119.1127	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-A5	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20136	-119.1112	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-A7	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20135	-119.1091	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-C1	Canceled	SC	Cyclic Stear	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20021	-119.1141	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Vacca-Tran	TA-C3	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20023	-119.1127	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-C5	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20021	-119.1113	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-C7	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20024	-119.109	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-C9	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20023	-119.1086	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-D4	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19967	-119.1119	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-D6	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19968	-119.1108	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-E1	Canceled	SC	Cyclic Stear	C0885	California R	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19909	-119.1141	Notice of Ir	N	N		CanceledSC
-1	4.11E+08	Vacca-Tran	TA-E11	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19912	-119.1069	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-E3	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19911	-119.1126	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-E5	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19911	-119.1112	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Vacca-Tran	TA-E9	Canceled	OG	Oil & Gas	V1370	Vintage Pro	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19911	-119.1084	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Scholle-Livi	1	Idle	WD	Water Disp	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20352	-119.1094	GPS	N	N		IdleWD
-1	4.11E+08	Chase	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19462	-119.1234	GPS	N	N	9/20/1943	IdleOG
-1	4.11E+08	El Rio	1	Idle	WD	Water Disp	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19664	-119.1249	hud	N	N	4/22/1937	IdleWD
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19984	-119.1141	GPS	N	N		IdleOG
-1	4.11E+08	Pleasant Va	1	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20237	-119.1069	Well Summ	N	Y	8/7/2007	IdleSC
-1	4.11E+08	El Rio	1-XA	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.1942	-119.1251	GPS	N	N		IdleOG
-1	4.11E+08	Lenox Ranc	101H	Idle	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19738	-119.1254	Operator	N	N		IdleOG
-1	4.11E+08	Lenox Ranc	104H	Idle	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19752	-119.1241	hud	N	N		IdleOG
-1	4.11E+08	Lenox Ranc	107H	Idle	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.1977	-119.1253	Operator	N	N		IdleOG
-1	4.11E+08	Lenox Ranc	108H	Idle	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19765	-119.1241	Operator	N	N		IdleOG
-1	4.11E+08	Lenox Ranc	109H	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19765	-119.1241	Well Summ	N	Y	12/7/2008	IdleSC
-1	4.11E+08	Chase	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19557	-119.1193	GPS	N	N	5/4/1982	IdleOG
-1	4.11E+08	Chase	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19556	-119.1202	GPS	N	N	5/11/1982	IdleOG
-1	4.11E+08	Chase	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19556	-119.1222	GPS	N	N	5/25/1982	IdleOG
-1	4.11E+08	Chase	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19636	-119.1172	GPS	N	N	11/7/1983	IdleOG
-1	4.11E+08	Chase	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19555	-119.1172	GPS	N	N	11/21/1983	IdleOG
-1	4.11E+08	Chase	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19472	-119.1191	GPS	N	N	2/8/1984	IdleOG
-1	4.11E+08	Chase	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19474	-119.1203	GPS	N	N	1/17/1984	IdleOG
-1	4.11E+08	Peak-HBH	1H-A1	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20239	-119.1143	Well Summ	N	Y	3/25/2013	IdleSC
-1	4.11E+08	Scholle-Livi	2	Idle	OG	Oil & Gas	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20366	-119.1138	GPS	N	N		IdleOG
-1	4.11E+08	Pleasant Va	2	Idle	OG	Oil & Gas	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20235	-119.1068	GPS	N	Y	9/3/2007	IdleOG
-1	4.11E+08	El Rio	2	Idle	WD	Water Disp	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19548	-119.126	GPS	N	N		IdleWD
-1	4.11E+08	Chase	2	Idle	WD	Water Disp	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19638	-119.1224	GPS	N	N	4/2/1954	IdleWD
-1	4.11E+08	Vacca Tar S	1-Feb	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20229	-119.1139	Well Summ	N	N	9/12/1948	IdleSC
-1	4.11E+08	Chase	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19475	-119.1223	GPS	N	N	2/16/1985	IdleOG
-1	4.11E+08	Lease by Ca	203	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19947	-119.1129	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	204	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.1994	-119.1126	GPS	N	N	6/6/1978	IdleOG
-1	4.11E+08	Lease by Ca	205	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19852	-119.1126	GPS	N	N	10/11/1979	IdleOG
-1	4.11E+08	Lease by Ca	206	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19966	-119.1126	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	207	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19971	-119.114	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	208	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20055	-119.1127	GPS	N	N	10/17/1979	IdleOG
-1	4.11E+08	Lease by Ca	209	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19754	-119.1125	GPS	N	N		IdleOG
-1	4.11E+08	Chase	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19389	-119.1191	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	210	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19805	-119.1141	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	212	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19843	-119.1115	GPS	N	N	9/14/1981	IdleOG
-1	4.11E+08	Lease by Ca	213	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19748	-119.1115	GPS	N	N	9/22/1981	IdleOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	214	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.1996	-119.1116	GPS	N	N	8/19/1984	IdleOG
-1	4.11E+08	Lease by Ca	215	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20121	-119.1105	GPS	N	N	1/8/1985	IdleOG
-1	4.11E+08	Lease by Ca	216	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20029	-119.1105	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	217	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19939	-119.1105	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	218	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19848	-119.1104	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	219	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19756	-119.1103	GPS	N	N		IdleOG
-1	4.11E+08	Chase	22	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19391	-119.1203	GPS	N	N		IdleOG
-1	4.11E+08	Chase	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19392	-119.1213	GPS	N	N		IdleOG
-1	4.11E+08	Chase	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19393	-119.1223	GPS	N	N	2/10/1985	IdleOG
-1	4.11E+08	Chase	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19486	-119.1191	GPS	N	Y		IdleOG
-1	4.11E+08	Chase	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19391	-119.1204	GPS	N	Y		IdleOG
-1	4.11E+08	Chase	27	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19311	-119.1213	GPS	N	N		IdleOG
-1	4.11E+08	Chase	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19311	-119.1223	GPS	N	N	1/18/1986	IdleOG
-1	4.11E+08	Chase	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19394	-119.1233	GPS	N	N	12/21/1987	IdleOG
-1	4.11E+08	Peak-HBH	2H-A2	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.2023	-119.1142	Well Summ	N	Y	5/7/2013	IdleSC
-1	4.11E+08	Chase	2X	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19639	-119.1222	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18872	-119.146	GPS	N	Y		IdleOG
-1	4.11E+08	Chase	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19641	-119.1233	GPS	N	N	4/16/1954	IdleOG
-1	4.11E+08	Pleasant Va	3	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20257	-119.1068	Well Summ	N	Y	2/1/2008	IdleSC
-1	4.11E+08	El Rio	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19451	-119.1265	GPS	N	N		IdleOG
-1	4.11E+08	Vacca Tar S	2-Mar	Idle	WS	Water Sour	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19802	-119.1211	Well Summ	N	Y	10/30/1943	IdleWS
-1	4.11E+08	Vacca Tar S	Mar-63	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19803	-119.1186	Well Summ	N	N	12/18/1985	IdleSC
-1	4.11E+08	Vacca Tar S	Mar-64	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19799	-119.1186	Well Summ	N	N	4/27/1986	IdleSC
-1	4.11E+08	Vacca Tar S	Mar-68	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19844	-119.1185	Well Summ	N	N	7/7/1981	IdleSC
-1	4.11E+08	Vacca Tar S	Mar-69	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19748	-119.1185	Well Summ	N	N	6/26/1981	IdleSC
-1	4.11E+08	Chase	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19396	-119.1243	GPS	N	N	2/4/1988	IdleOG
-1	4.11E+08	Chase	31	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19353	-119.1192	GPS	N	N	2/24/1988	IdleOG
-1	4.11E+08	Chase	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19315	-119.1233	GPS	N	N	2/12/1988	IdleOG
-1	4.11E+08	Chase	33	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19312	-119.1243	GPS	N	N	2/8/1988	IdleOG
-1	4.11E+08	Chase	34	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19558	-119.1231	GPS	N	N		IdleOG
-1	4.11E+08	Chase	35	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19558	-119.1242	GPS	N	N		IdleOG
-1	4.11E+08	Peak-HBH	3H-B2	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20241	-119.1142	Well Summ	N	Y	5/27/2013	IdleSC
-1	4.11E+08	Peak-HBH	3HU	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20247	-119.1139	Well Summ	N	Y	4/13/2018	IdleSC
-1	4.11E+08	Pleasant Va	4	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20256	-119.1069	Well Summ	N	Y	2/14/2008	IdleSC
-1	4.11E+08	El Rio	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19234	-119.1279	GPS	N	N		IdleOG
-1	4.11E+08	Vacca Tar S	2-Apr	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20005	-119.1173	Well Summ	N	N	5/7/1953	IdleSC
-1	4.11E+08	Vacca Tar S	Apr-75	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20121	-119.1174	Well Summ	N	N	9/2/1980	IdleSC
-1	4.11E+08	Vacca Tar S	Apr-77	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19943	-119.1173	Well Summ	N	N	5/21/1981	IdleSC
-1	4.11E+08	Vacca Tar S	Apr-81	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19786	-119.1186	Well Summ	N	N	1/4/1986	IdleSC
-1	4.11E+08	Vacca Tar S	Apr-83	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19744	-119.1179	Well Summ	N	N	5/4/1986	IdleSC
-1	4.11E+08	Peak-HBH	4H-C2	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20251	-119.1142	Well Summ	N	Y	7/1/2013	IdleSC
-1	4.11E+08	Peak-HBH	4HU	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20258	-119.1139	Well Summ	N	Y	3/22/2018	IdleSC
-1	4.11E+08	Chase	4X	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19639	-119.1212	GPS	N	N		IdleOG
-1	4.11E+08	Chase	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19578	-119.1246	GPS	N	N		IdleOG
-1	4.11E+08	El Rio	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19234	-119.1269	GPS	N	N		IdleOG
-1	4.11E+08	Pleasant Va	5	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20257	-119.1064	Well Summ	N	Y	2/29/2008	IdleSC
-1	4.11E+08	Peak-HBH	5H-B1	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.2025	-119.1144	Well Summ	N	Y	6/29/2013	IdleSC
-1	4.11E+08	Peak-HBH	5HA	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20245	-119.114	Well Summ	N	Y	4/25/2018	IdleSC
-1	4.11E+08	Peak-HBH	5HU	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20256	-119.114	Well Summ	N	Y	5/7/2018	IdleSC
-1	4.11E+08	Chase	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19524	-119.1246	GPS	N	N	3/5/1981	IdleOG
-1	4.11E+08	Pleasant Va	6	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20257	-119.1065	Well Summ	N	Y	3/12/2008	IdleSC
-1	4.11E+08	Diedrich	6	Idle	OG	Oil & Gas	A3227	Anterra En	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19112	-119.1568	GPS	N	Y		IdleOG
-1	4.11E+08	Peak-HBH	6H	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20267	-119.114	Well Summ	N	Y	5/19/2018	IdleSC
-1	4.11E+08	Peak-HBH	6H-C1	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20261	-119.1144	Well Summ	N	N	3/1/2013	IdleSC
-1	4.11E+08	Peak-HBH	6HU	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20269	-119.1139	Well Summ	N	Y	5/31/2018	IdleSC
-1	4.11E+08	Pleasant Va	7	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20229	-119.1064	Well Summ	N	Y	3/27/2008	IdleSC
-1	4.11E+08	Chase	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19639	-119.1202	GPS	N	N		IdleOG
-1	4.11E+08	El Rio	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19328	-119.1251	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18853	-119.1468	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	702	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20026	-119.1073	GPS	N	N	6/11/1965	IdleOG
-1	4.11E+08	Lease by Ca	703	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20046	-119.1073	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	709	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20003	-119.1076	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	710	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20098	-119.1094	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	711	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19913	-119.1094	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	713	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19841	-119.1093	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	715	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.2012	-119.1094	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	716	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19999	-119.1068	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	717	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20021	-119.1077	GPS	N	N	1/14/1988	IdleOG
-1	4.11E+08	Lease by Ca	718	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19876	-119.1093	GPS	N	N	1/30/1988	IdleOG
-1	4.11E+08	Lease by Ca	719	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19837	-119.1093	GPS	N	N	1/25/1988	IdleOG
-1	4.11E+08	Pleasant Va	8	Idle	SC	Cyclic Stear	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20229	-119.1064	Well Summ	N	Y	4/11/2008	IdleSC
-1	4.11E+08	Chase	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19638	-119.1193	GPS	N	N		IdleOG
-1	4.11E+08	El Rio	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19246	-119.1251	GPS	N	N		IdleOG
-1	4.11E+08	Chase	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19637	-119.1182	GPS	N	N		IdleOG
-1	4.11E+08	Joseph-Ma	9	Idle	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18699	-119.1479	Well Summ	N	Y	7/16/2016	IdleOG
-1	4.11E+08	Chase	C-C8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19511	-119.122	Well Summ	N	N	7/26/2013	IdleOG
-1	4.11E+08	Chase	C-D11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19541	-119.1229	Well Summ	N	Y	8/5/2013	IdleOG
-1	4.11E+08	Chase	C-E9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19403	-119.122	Well Summ	N	N	8/31/2013	IdleOG
-1	4.11E+08	Chase	C-F12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	20W	SB	34.19347	-119.1201	Well Summ	N	N	9/5/2013	IdleOG
-1	4.11E+08	Lenox	M-2	Idle	OG	Oil & Gas	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19782	-119.1231	Notice of Ir	N	N		IdleOG
-1	4.11E+08	Lease by Ca	TA-B5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20078	-119.1113	Notice of Ir	N	Y	8/10/2014	IdleOG
-1	4.11E+08	Lease by Ca	TA-C2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20021	-119.1134	Notice of Ir	N	N	8/15/2014	IdleOG
-1	4.11E+08	Lease by Ca	TA-D10	Idle	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19968	-119.1077	Well Summ	N	N	8/18/2013	IdleOG
-1	4.11E+08	Maulhardt	1	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18879	-119.1468	GPS	N	Y	12/6/1957	ActiveOG
-1	4.11E+08	Dorothy M	1	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18394	-119.1455	Well Summ	N	Y	4/17/2011	ActiveOG
-1	4.11E+08	Gus Maulh	1	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18889	-119.1463	Well Summ	N	Y	8/6/2016	ActiveOG
-1	4.11E+08	Joseph-Ma	10	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18631	-119.1482	Well Summ	N	Y	11/18/2016	ActiveOG
-1	4.11E+08	Joseph-Ma	11	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18713	-119.1482	Well Summ	N	Y	5/11/2018	ActiveOG
-1	4.11E+08	Joseph-Ma	13	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18526	-119.1439	Well Summ	N	Y	12/2/2017	ActiveOG
-1	4.11E+08	Joseph-Ma	15	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18642	-119.148	Well Summ	N	Y	12/29/2018	ActiveOG
-1	4.11E+08	Peak-HBH	1TO-A4	Active	OB	Observatio	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20229	-119.1109	GPS	N	N	4/17/2013	ActiveOB
-1	4.11E+08	Joseph-Ma	2	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18504	-119.1439	Notice of Ir	N	Y	10/6/2012	ActiveOG
-1	4.11E+08	Gus Maulh	2	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18885	-119.1464	Well Summ	N	Y	10/26/2016	ActiveOG
-1	4.11E+08	Peak-HBH	2TO-C4	Active	OB	Observatio	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.2032	-119.1111	Notice of Ir	N	Y	5/14/2013	ActiveOB
-1	4.11E+08	Gus Maulh	3	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18911	-119.1464	Well Summ	N	Y	5/24/2017	ActiveOG
-1	4.11E+08	Peak-HBH	3TO-D5	Active	OB	Observatio	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20337	-119.1094	GPS	N	N	5/29/2013	ActiveOB
-1	4.11E+08	Gus Maulh	4	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18907	-119.1462	Well Summ	N	Y		ActiveOG
-1	4.11E+08	Joseph-Ma	4	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18687	-119.1465	Well Summ	N	Y	6/7/2014	ActiveOG
-1	4.11E+08	Peak-HBH	4TO-C5	Active	OB	Observatio	P1650	Peak Opera	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20331	-119.1094	GPS	N	N	6/14/2013	ActiveOB
-1	4.11E+08	Gus Maulh	5	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18932	-119.1464	Well Summ	N	Y	4/16/2018	ActiveOG
-1	4.11E+08	Joseph-Ma	5	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.1866	-119.1465	Well Summ	N	Y	1/1/2015	ActiveOG
-1	4.11E+08	Joseph-Ma	6	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18713	-119.1482	Well Summ	N	Y	10/18/2015	ActiveOG
-1	4.11E+08	Maulhardt	6	Active	WD	Water Disp	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18927	-119.1468	GPS	N	Y	11/22/1960	ActiveWD
-1	4.11E+08	Gus Maulh	6	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18931	-119.1462	Well Summ	N	Y	10/18/2017	ActiveOG
-1	4.11E+08	Joseph-Ma	7	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18708	-119.1481	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	Joseph-Ma	8	Active	OG	Oil & Gas	A0150	ABA Energy	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18672	-119.1482	Well Summ	N	Y	5/29/2016	ActiveOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18401	-119.1492	Notice of Ir	N	N		PluggedOG
-1	4.11E+08	Duntley	1	Plugged	DH	Dry Hole	6876	Plains Oil C	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.20105	-119.1488	hud	N	N		PluggedDH
-1	4.11E+08	Daily	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.17864	-119.147	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18518	-119.1437	Well Summ	N	Y	9/7/2010	PluggedOG
-1	4.11E+08	Hooker-Da	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18157	-119.1448	hud	N	N		PluggedOG
-1	4.11E+08	Security Fir	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	11	01N	22W	SB	34.17671	-119.1556	hud	N	N		PluggedOG
-1	4.11E+08	Standard S	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Oxnard	Any Area	Oxnard	Northern	Ventura	35	02N	22W	SB	34.21376	-119.1513	hud	N	N		PluggedDH
-1	4.11E+08	Melott	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	11	01N	22W	SB	34.17867	-119.15	hud	N	N		PluggedDH
-1	4.11E+08	Petit	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17178	-119.1583	hud	N	N	2/23/1958	PluggedDH
-1	4.11E+08	Ecoff	1	Plugged	DH	Dry Hole	7415	Roscoe Oil	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.19231	-119.161	hud	N	N	8/3/1957	PluggedDH
-1	4.11E+08	Capital-Oxr	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.19744	-119.1089	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5204	Lancaster N	Oxnard	Any Area	Ventura County	Northern	Ventura	7	01N	21W	SB	34.19027	-119.1144	hud	N	N		PluggedDH
-1	4.11E+08	Silva	1	Plugged	DH	Dry Hole	6798	Petroleum	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19612	-119.114	hud	N	N		PluggedDH
-1	4.11E+08	Hunter-Pov	1	Plugged	DH	Dry Hole	C0525	Cabeen Exp	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.21498	-119.1234	hud	N	N	11/23/1958	PluggedDH
-1	4.11E+08	Lloyd Corp.	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	31	01N	21W	SB	34.21278	-119.1226	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.20874	-119.1232	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	31	02N	21W	SB	34.21871	-119.1308	hud	N	N		PluggedOG
-1	4.11E+08	McGrath	1	Plugged	DH	Dry Hole	7634	San Roque	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21929	-119.1328	hud	N	N		PluggedDH
-1	4.11E+08	Todd Pfeile	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.19733	-119.1339	hud	N	N		PluggedOG
-1	4.11E+08	Gordon-Pfe	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19613	-119.1482	hud	N	Y		PluggedOG
-1	4.11E+08	Duntley	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.19962	-119.1477	hud	N	N		PluggedOG
-1	4.11E+08	Gordon-Do	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18998	-119.1471	hud	N	N		PluggedOG
-1	4.11E+08	Diedrich-G	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.1907	-119.1527	hud	N	N		PluggedOG
-1	4.11E+08	Donlon Cor	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18317	-119.154	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Maulhardt	1	Plugged	DH	Dry Hole	668	Bay Shore (	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19615	-119.1551	hud	N	N	11/21/1956	PluggedDH
-1	4.11E+08	Sturgis	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.193	-119.1422	hud	N	N		PluggedDH
-1	4.11E+08	Pfeiler Che	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.2006	-119.1397	hud	N	N		PluggedOG
-1	4.11E+08	A. Pfeiler E	1	Plugged	DH	Dry Hole	P2500	Petan Co.	Oxnard	Any Area	Oxnard	Northern	Ventura	35	02N	22W	SB	34.21384	-119.1625	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8712	Vacca Oil E	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19749	-119.1139	hud	N	N	7/27/1936	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	INJ	Injection	E0455	CalNRG Op	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19806	-119.1259	GPS	N	N		PluggedINJ
-1	4.11E+08	Davis	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	7	01N	21W	SB	34.18718	-119.1274	hud	N	N		PluggedDH
-1	4.11E+08	Janet	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19121	-119.1272	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18349	-119.1455	Notice of Ir	N	Y	9/13/2011	PluggedOG
-1	4.11E+08	Maulhardt	1	Plugged	DH	Dry Hole	6875	Plains Oil C	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21151	-119.1445	hud	N	N		PluggedDH
-1	4.11E+08	A. L. Gordo	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19309	-119.1496	hud	N	N	10/28/1956	PluggedOG
-1	4.11E+08	E. J. Diedric	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19103	-119.1525	hud	N	N		PluggedOG
-1	4.11E+08	Donlon	1	Plugged	OG	Oil & Gas	988	Bush Oil Co	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18485	-119.1542	hud	N	N		PluggedOG
-1	4.11E+08	J. H.	1	Plugged	OG	Oil & Gas	D1860	Deuel Petr	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19693	-119.1226	hud	N	N		PluggedOG
-1	4.11E+08	McInnes	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.20253	-119.1296	hud	N	N	12/17/1952	PluggedOG
-1	4.11E+08	McGrath	1	Plugged	DH	Dry Hole	5763	Max Pray	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.2123	-119.1335	hud	N	Y		PluggedDH
-1	4.11E+08	Culbertson	1	Plugged	DH	Dry Hole	5611	MacDonalc	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.1904	-119.1334	hud	N	N	1/30/1945	PluggedDH
-1	4.11E+08	Max Pray-D	1	Plugged	OG	Oil & Gas	5763	Max Pray	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17472	-119.1615	GPS	N	N		PluggedOG
-1	4.11E+08	P. Donlon	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17522	-119.164	hud	N	Y		PluggedDH
-1	4.11E+08	McGrath	1	Plugged	DH	Dry Hole	1580	Chillmani C	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.21899	-119.1052	hud	N	Y		PluggedDH
-1	4.11E+08	McGrath R	1	Plugged	DH	Dry Hole	M1700	Marathon (	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.2191	-119.1059	hud	N	Y		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20134	-119.114	GPS	N	N		PluggedOG
-1	4.11E+08	Capital Silv	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	8	01N	21W	SB	34.1896	-119.1126	hud	N	N		PluggedDH
-1	4.11E+08	Pfeiler	1	Plugged	DH	Dry Hole	4751	John W Luc	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20121	-119.1425	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.1833	-119.1455	Notice of Ir	N	Y	3/31/2012	PluggedOG
-1	4.11E+08	Diedrich-G	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19096	-119.1525	hud	N	N		PluggedOG
-1	4.11E+08	Diedrich-D	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19164	-119.1529	hud	N	N		PluggedOG
-1	4.11E+08	Diedrich	1	Plugged	OG	Oil & Gas	F0150	Fairbanks a	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19057	-119.1567	hud	N	Y		PluggedOG
-1	4.11E+08	Todd	1	Plugged	DH	Dry Hole	F1700	Franwin Oi	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.20076	-119.1288	hud	N	N	12/25/1962	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19103	-119.1349	Well Summ	N	Y	1/4/2017	PluggedOG
-1	4.11E+08	Pfeiler	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.2	-119.1406	hud	N	N		PluggedDH
-1	4.11E+08	Thatcher	1	Plugged	DH	Dry Hole	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20755	-119.1418	hud	N	N		PluggedDH
-1	4.11E+08	Capital Cor	1	Plugged	DH	Dry Hole	N0250	G. R. Nance	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20059	-119.1131	hud	N	N		PluggedDH
-1	4.11E+08	Scholle-Livi	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.20626	-119.1129	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Corp.	1	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.21682	-119.1126	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.20712	-119.1234	hud	N	N		PluggedOG
-1	4.11E+08	Vacca Tar S	1-Jan	Plugged	WD	Water Disp	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20354	-119.1244	GPS	N	N		PluggedWD
-1	4.11E+08	Standard R	11-Jan	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Oxnard	Any Area	Oxnard	Northern	Ventura	11	01N	22W	SB	34.18207	-119.1641	hud	N	N		PluggedDH
-1	4.11E+08	Standard-F	14-Jan	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17166	-119.1612	hud	N	N		PluggedDH
-1	4.11E+08	Vacca Tar S	2-Jan	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20225	-119.115	GPS	N	N		PluggedOG
-1	4.11E+08	Vacca Tar S	3-Jan	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20226	-119.1166	GPS	N	N		PluggedOG
-1	4.11E+08	Vacca Core	7-Jan	Plugged	CH	Core Hole	H6775	Husky Oil C	Oxnard	Any Area	Ventura County	Northern	Ventura	7	01N	21W	SB	34.18673	-119.1273	hud	N	N		PluggedCH
-1	4.11E+08	El Rio	1-X	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19367	-119.1252	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	10	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	35	02N	22W	SB	34.20647	-119.1504	hud	N	N		PluggedOG
-1	4.11E+08	Donlon Cor	10	Plugged	DH	Dry Hole	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18696	-119.1562	hud	N	N		PluggedDH
-1	4.11E+08	Chase	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19556	-119.1182	GPS	N	N	4/27/1982	PluggedOG
-1	4.11E+08	Pfeiler	10	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.19807	-119.14	hud	N	N		PluggedOG
-1	4.11E+08	Hunsucker	1007	Plugged	DH	Dry Hole	316	American F	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.20653	-119.0964	hud	N	N		PluggedDH
-1	4.11E+08	Maulhardt	101A	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.2027	-119.1437	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	10A	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18997	-119.1476	hud	N	Y	2/4/1963	PluggedOG
-1	4.11E+08	A. L. Gordo	11	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19563	-119.1468	hud	N	Y	1/9/1965	PluggedOG
-1	4.11E+08	Donlon Cor	11	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18616	-119.154	hud	N	Y	8/27/1968	PluggedOG
-1	4.11E+08	Maulhardt	11A	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.20417	-119.1527	hud	N	N		PluggedOG
-1	4.11E+08	Donlon Cor	12	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.1846	-119.1508	hud	N	Y		PluggedOG
-1	4.11E+08	Exeter	1295	Plugged	DH	Dry Hole	M7050	Monterey F	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.20825	-119.109	hud	N	Y		PluggedDH
-1	4.11E+08	Chase	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19556	-119.1212	GPS	N	N	5/18/1982	PluggedOG
-1	4.11E+08	Chase	19	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19474	-119.1212	GPS	N	N	1/30/1984	PluggedOG
-1	4.11E+08	McGrath 1	1A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21312	-119.1377	GPS	N	N		PluggedOG
-1	4.11E+08	McGrath	1A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.21104	-119.1143	hud	N	N		PluggedOG
-1	4.11E+08	E. M. Pfeile	1A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18089	-119.1391	hud	N	N	10/22/1965	PluggedOG
-1	4.11E+08	Ruggles	1A	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	11	01N	22W	SB	34.17718	-119.1612	hud	N	N	7/29/1965	PluggedDH
-1	4.11E+08	E. J. Diedric	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19316	-119.1526	hud	N	N	12/8/1956	PluggedOG
-1	4.11E+08	Duntley	2	Plugged	DH	Dry Hole	7241	Reserve Oil	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.19976	-119.15	hud	N	N		PluggedDH
-1	4.11E+08	Gordon-Do	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18832	-119.1503	hud	N	Y		PluggedOG
-1	4.11E+08	Maulhardt	2	Plugged	DH	Dry Hole	405	Applegate	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.20244	-119.1488	hud	N	Y		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Daily	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.17756	-119.147	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18422	-119.1455	Notice of Ir	N	Y		PluggedOG
-1	4.11E+08	Lucas	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19105	-119.1388	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19715	-119.1252	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.21691	-119.1128	hud	N	Y		PluggedOG
-1	4.11E+08	J. H.	2	Plugged	INJ	Injection	D1860	Deuel Petr	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19696	-119.1241	hud	N	N		PluggedINJ
-1	4.11E+08	Diedrich	2	Plugged	WD	Water Disp	A3227	Anterra En	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19085	-119.1566	Well Summ	N	Y	2/17/1957	PluggedWD
-1	4.11E+08	Lloyd Corp.	2	Plugged	DH	Dry Hole	5370	Lloyd Corp	Oxnard	Any Area	Oxnard	Northern	Ventura	31	02N	21W	SB	34.21873	-119.1235	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Corp.	2	Plugged	OG	Oil & Gas	L2200	Lloyd Mana	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.21054	-119.1235	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	5204	Lancaster N	Oxnard	Any Area	Ventura County	Northern	Ventura	7	01N	21W	SB	34.19005	-119.1141	hud	N	N		PluggedDH
-1	4.11E+08	Scholle-Livi	2	Plugged	DH	Dry Hole	E3400	Exeter Oil (	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20382	-119.1143	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Corp.	2	Plugged	DH	Dry Hole	5370	Lloyd Corp	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20501	-119.1236	hud	N	N		PluggedDH
-1	4.11E+08	McInnes	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	31	02N	21W	SB	34.20615	-119.1262	hud	N	N		PluggedOG
-1	4.11E+08	Culbertson	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19181	-119.1283	GPS	N	N	6/9/1952	PluggedOG
-1	4.11E+08	Davis	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18653	-119.1317	hud	N	N		PluggedDH
-1	4.11E+08	McGrath 1	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21544	-119.1315	hud	N	N		PluggedOG
-1	4.11E+08	Security Fir	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17462	-119.1548	hud	N	N	3/13/1959	PluggedOG
-1	4.11E+08	Diedrich-G	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19558	-119.1522	hud	N	N		PluggedOG
-1	4.11E+08	Max Pray-D	2	Plugged	DH	Dry Hole	5763	Max Pray	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17554	-119.1654	hud	N	Y		PluggedDH
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18697	-119.1468	GPS	N	N		PluggedOG
-1	4.11E+08	Donlon	2	Plugged	DH	Dry Hole	988	Bush Oil Co	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18509	-119.1541	hud	N	N		PluggedDH
-1	4.11E+08	Maulhardt	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20481	-119.1433	hud	N	N		PluggedOG
-1	4.11E+08	Pfeiler	2	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.1975	-119.1416	hud	N	N		PluggedOG
-1	4.11E+08	McGrath	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.21043	-119.1233	hud	N	N		PluggedOG
-1	4.11E+08	McGrath	2	Plugged	DH	Dry Hole	7634	San Roque	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.2156	-119.1358	hud	N	N		PluggedDH
-1	4.11E+08	P. Donlon	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17556	-119.164	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20142	-119.1131	hud	N	N		PluggedOG
-1	4.11E+08	Exeter	2104	Plugged	DH	Dry Hole	M7050	Monterey I	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20366	-119.1123	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	211	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20105	-119.1119	hud	N	N	8/12/1981	PluggedOG
-1	4.11E+08	Gulf	2331	Plugged	DH	Dry Hole	M7050	Monterey I	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.20917	-119.1047	hud	N	N	8/19/1981	PluggedDH
-1	4.11E+08	Donlon Cor	2A	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18848	-119.1568	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	2B	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19567	-119.1465	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	3	Plugged	OG	Oil & Gas	7241	Reserve Oil	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.20498	-119.1489	hud	N	Y		PluggedOG
-1	4.11E+08	Pfeiler	3	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20009	-119.1427	hud	N	N		PluggedOG
-1	4.11E+08	Scholle-Livi	3	Plugged	OG	Oil & Gas	V1675	Vista Pacifi	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20519	-119.1083	hud	N	N	12/15/1957	PluggedOG
-1	4.11E+08	McGrath	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.21679	-119.1106	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19793	-119.1252	hud	N	N		PluggedOG
-1	4.11E+08	McGrath 1	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21301	-119.1409	GPS	N	N		PluggedDH
-1	4.11E+08	Donlon Cor	3	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18862	-119.1594	hud	N	N		PluggedOG
-1	4.11E+08	Diedrich	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.19048	-119.1588	hud	N	N		PluggedDH
-1	4.11E+08	E. J. Diedric	3	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19558	-119.1526	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	3	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19565	-119.1441	hud	N	N	5/4/1957	PluggedOG
-1	4.11E+08	P. Donlon	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	14	01N	22W	SB	34.17538	-119.1644	hud	N	Y		PluggedDH
-1	4.11E+08	Lloyd Corp.	3	Plugged	DH	Dry Hole	5370	Lloyd Corp	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20282	-119.1213	hud	N	N		PluggedDH
-1	4.11E+08	J. H.	3	Plugged	OG	Oil & Gas	D1860	Deuel Petr	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19693	-119.1215	hud	N	N		PluggedOG
-1	4.11E+08	Culbertson	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19125	-119.1292	hud	N	N	7/13/1955	PluggedOG
-1	4.11E+08	Davis	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	7	01N	21W	SB	34.1871	-119.1301	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Corp.	3	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.21079	-119.1209	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	3	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20728	-119.1433	hud	N	N		PluggedOG
-1	4.11E+08	Security Fir	3	Plugged	OG	Oil & Gas	D1865	Deuel Petr	Oxnard	Any Area	Oxnard	Northern	Ventura	11	01N	22W	SB	34.1788	-119.1525	hud	N	N	8/22/1950	PluggedOG
-1	4.11E+08	Duntley	3	Plugged	DH	Dry Hole	7241	Reserve Oil	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.19965	-119.1519	hud	N	N		PluggedDH
-1	4.11E+08	Vacca Tar S	1-Mar	Plugged	WD	Water Disp	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19741	-119.1231	GPS	N	Y		PluggedWD
-1	4.11E+08	Vacca Tar S	29-Mar	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19753	-119.1231	GPS	N	N		PluggedOG
-1	4.11E+08	Vacca Tar S	Mar-49	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19749	-119.1209	GPS	N	N	8/13/1980	PluggedOG
-1	4.11E+08	Vacca Tar S	Mar-60	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19746	-119.119	GPS	N	N	1/13/1985	PluggedOG
-1	4.11E+08	Vacca Tar S	Mar-61	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.1971	-119.1222	hud	N	N		PluggedOG
-1	4.11E+08	Vacca Tar S	Mar-62	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19793	-119.1186	GPS	N	Y	12/28/1985	PluggedOG
-1	4.11E+08	Vacca Tar S	Mar-67	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.1994	-119.1185	GPS	N	N	7/15/1981	PluggedOG
-1	4.11E+08	Vacca	7-Mar	Plugged	OG	Oil & Gas	A0610	Aera Energ	Oxnard	Any Area	Ventura County	Northern	Ventura	7	01N	21W	SB	34.18801	-119.1274	hud	N	N	1/7/1982	PluggedOG
-1	4.11E+08	Thatcher	301	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	31	02N	21W	SB	34.208	-119.1259	hud	N	N		PluggedOG
-1	4.11E+08	Standard-L	301	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19845	-119.123	hud	N	N		PluggedOG
-1	4.11E+08	Standard-T	301	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.20071	-119.1296	hud	N	N		PluggedOG
-1	4.11E+08	Standard-L	302	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19751	-119.1234	hud	N	N		PluggedOG
-1	4.11E+08	Thatcher	302	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	31	02N	21W	SB	34.21072	-119.126	hud	N	N		PluggedOG
-1	4.11E+08	Standard-T	302	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.2004	-119.1324	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	McInnes	303	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.20296	-119.1263	hud	N	N		PluggedOG
-1	4.11E+08	McInnes	304	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.20275	-119.1291	hud	N	N	2/8/1955	PluggedOG
-1	4.11E+08	Gulf	3051	Plugged	OG	Oil & Gas	M7050	Monterey I	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20189	-119.1	hud	N	N		PluggedOG
-1	4.11E+08	Hunsucker	308	Plugged	DH	Dry Hole	316	American P	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.20594	-119.1044	hud	N	N		PluggedDH
-1	4.11E+08	A. L. Gordo	308	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19428	-119.1476	hud	N	N	1/18/1960	PluggedOG
-1	4.11E+08	Hunsucker	311	Plugged	DH	Dry Hole	316	American P	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20298	-119.1045	hud	N	N	2/6/1965	PluggedDH
-1	4.11E+08	Thatcher	3B	Plugged	INJ	Injection	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20824	-119.1343	hud	N	N		PluggedINJ
-1	4.11E+08	Thatcher	4	Plugged	INJ	Injection	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20835	-119.1387	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18524	-119.1468	GPS	N	N	5/1/1958	PluggedOG
-1	4.11E+08	A. L. Gordo	4	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19169	-119.1495	hud	N	N	7/13/1957	PluggedOG
-1	4.11E+08	Chase	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19636	-119.1214	GPS	N	N	9/14/1956	PluggedOG
-1	4.11E+08	Lloyd Corp	4	Plugged	DH	Dry Hole	5370	Lloyd Corp	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.20687	-119.1214	hud	N	N		PluggedDH
-1	4.11E+08	McGrath	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Ventura County	Northern	Ventura	32	02N	21W	SB	34.2168	-119.1081	hud	N	N		PluggedOG
-1	4.11E+08	Pfeiler	4	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.19773	-119.1441	hud	N	N		PluggedOG
-1	4.11E+08	McGrath	4	Plugged	DH	Dry Hole	7241	Reserve Oil	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21769	-119.1386	hud	N	N		PluggedDH
-1	4.11E+08	Diedrich	4	Plugged	DH	Dry Hole	E2910	Engine Oil	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.1959	-119.1562	hud	N	N		PluggedDH
-1	4.11E+08	Maulhardt	4	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20256	-119.1459	hud	N	N		PluggedOG
-1	4.11E+08	J. H.	4	Plugged	OG	Oil & Gas	6518	Oxnard Op	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19681	-119.1308	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	4	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.21172	-119.119	hud	N	N		PluggedOG
-1	4.11E+08	E. J. Diedric	4	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.192	-119.1529	hud	N	Y	6/7/1962	PluggedOG
-1	4.11E+08	Vacca Tar S	1-Apr	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20116	-119.1173	GPS	N	N	6/8/1951	PluggedOG
-1	4.11E+08	Vacca	12-Apr	Plugged	OG	Oil & Gas	A0610	Aera Energ	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18786	-119.1317	hud	N	N	2/26/1980	PluggedOG
-1	4.11E+08	Vacca Tar S	3-Apr	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19914	-119.1157	GPS	N	N	12/15/1957	PluggedOG
-1	4.11E+08	Vacca Tar S	Apr-76	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.20033	-119.1173	GPS	N	N	8/21/1980	PluggedOG
-1	4.11E+08	Vacca Tar S	Apr-78	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19844	-119.1174	GPS	N	N	5/26/1981	PluggedOG
-1	4.11E+08	Vacca Tar S	Apr-79	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19749	-119.1174	GPS	N	N	6/8/1981	PluggedOG
-1	4.11E+08	Vacca Tar S	Apr-82	Plugged	OG	Oil & Gas	T4500	Tri-Valley C	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19807	-119.1186	GPS	N	Y	1/11/1986	PluggedOG
-1	4.11E+08	Donlon Cor	4A	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18822	-119.1506	hud	N	N		PluggedOG
-1	4.11E+08	Donlon Cor	5	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18647	-119.1507	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18696	-119.146	GPS	N	N		PluggedOG
-1	4.11E+08	E. J. Diedric	5	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19285	-119.1526	hud	N	N		PluggedOG
-1	4.11E+08	Thatcher	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20834	-119.141	hud	N	N		PluggedOG
-1	4.11E+08	J. H.	5	Plugged	OG	Oil & Gas	D1860	Deuel Petr	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19701	-119.1208	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	5	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.211	-119.117	hud	N	N		PluggedOG
-1	4.11E+08	McInnes	5	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20289	-119.1369	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	5	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20413	-119.1454	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	5	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.19033	-119.1471	hud	N	Y	12/23/1957	PluggedOG
-1	4.11E+08	Diedrich	5	Plugged	WD	Water Disp	A3227	Anterra En	Oxnard	Any Area	Ventura County	Northern	Ventura	2	01N	22W	SB	34.19113	-119.1566	Well Summ	N	Y	9/26/1962	PluggedWD
-1	4.11E+08	Capco	1-May	Plugged	DH	Dry Hole	5215	Lantex Oil	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20071	-119.1107	hud	N	N	6/5/1953	PluggedDH
-1	4.11E+08	Vacca	12-May	Plugged	OG	Oil & Gas	A0610	Aera Energ	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.19015	-119.1338	hud	N	N	2/9/1982	PluggedOG
-1	4.11E+08	Pfeiler	5A	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.19786	-119.1475	hud	N	N		PluggedOG
-1	4.11E+08	Pfeiler	6	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.19785	-119.15	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	6	Plugged	DH	Dry Hole	5370	Lloyd Corp	Oxnard	Any Area	Ventura County	Northern	Ventura	31	02N	21W	SB	34.2107	-119.1168	hud	N	N		PluggedDH
-1	4.11E+08	J. H.	6	Plugged	OG	Oil & Gas	D1860	Deuel Petr	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19699	-119.1187	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	6	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.19032	-119.1457	hud	N	N	2/25/1958	PluggedOG
-1	4.11E+08	McInnes	6	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.20441	-119.1278	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	6	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20977	-119.1454	hud	N	N		PluggedOG
-1	4.11E+08	Thatcher	6	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21096	-119.1382	hud	N	N		PluggedOG
-1	4.11E+08	El Rio	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19477	-119.1252	GPS	N	N		PluggedOG
-1	4.11E+08	Donlon Cor	6A	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18467	-119.1506	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	7	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21152	-119.1484	hud	N	N		PluggedOG
-1	4.11E+08	Thatcher	7	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21084	-119.1356	hud	N	N		PluggedOG
-1	4.11E+08	McInnes	7	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20614	-119.1367	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	7	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19249	-119.147	hud	N	N	1/14/1958	PluggedOG
-1	4.11E+08	J. H.	7	Plugged	OG	Oil & Gas	D1860	Deuel Petr	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19693	-119.1177	hud	N	N		PluggedOG
-1	4.11E+08	Pfeiler	7	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Oxnard	Northern	Ventura	2	01N	22W	SB	34.1979	-119.1524	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	704	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20081	-119.1074	GPS	N	N	7/24/1969	PluggedOG
-1	4.11E+08	Lease by Ca	705	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20047	-119.1079	GPS	N	N	8/2/1969	PluggedOG
-1	4.11E+08	Lease by Ca	706	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20047	-119.1068	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	707	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20048	-119.1082	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	708	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20034	-119.1082	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	712	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.1999	-119.1067	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	714	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	5	01N	21W	SB	34.20023	-119.107	hud	N	N		PluggedOG
-1	4.11E+08	C.V. Lenox	77A	Plugged	DH	Dry Hole	E3400	Exeter Oil	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19943	-119.1173	hud	N	N	5/21/1981	PluggedDH
-1	4.11E+08	Donlon Cor	7A	Plugged	OG	Oil & Gas	S3100	Shell West	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18637	-119.1539	hud	N	Y		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Donlon Cor	8	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18816	-119.1504	hud	N	Y		PluggedOG
-1	4.11E+08	Thatcher	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.21058	-119.1382	hud	N	N		PluggedOG
-1	4.11E+08	McInnes	8	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20616	-119.1408	hud	N	N		PluggedOG
-1	4.11E+08	Maulhardt	8	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20345	-119.1474	hud	N	N		PluggedOG
-1	4.11E+08	Pfeiler	8	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20031	-119.1454	hud	N	N		PluggedOG
-1	4.11E+08	Vacca Tar S	80	Plugged	OG	Oil & Gas	G0325	Geo Petrol	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19703	-119.1179	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	8A	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.1945	-119.1482	hud	N	N	4/17/1954	PluggedOG
-1	4.11E+08	Donlon Cor	9	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	11	01N	22W	SB	34.18744	-119.1516	hud	N	N		PluggedOG
-1	4.11E+08	Pfeiler	9	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.19866	-119.1452	hud	N	Y		PluggedOG
-1	4.11E+08	McInnes	9	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	1	01N	22W	SB	34.20281	-119.1408	hud	N	N		PluggedOG
-1	4.11E+08	El Rio	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19236	-119.1278	GPS	N	N		PluggedOG
-1	4.11E+08	Maulhardt	9	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Oxnard	Northern	Ventura	36	02N	22W	SB	34.20786	-119.1474	hud	N	N		PluggedOG
-1	4.11E+08	A. L. Gordo	9	Plugged	OG	Oil & Gas	S3100	Shell Weste	Oxnard	Any Area	Ventura County	Northern	Ventura	1	01N	22W	SB	34.19207	-119.1469	hud	N	N	8/25/1962	PluggedOG
-1	4.11E+08	El Rio	C-WWD1	Plugged	DH	Dry Hole	E0455	CalNRG Op	Oxnard	Any Area	Ventura County	Northern	Ventura	6	01N	21W	SB	34.19595	-119.1271	Well Summ	N	N	8/23/2014	PluggedDH
-1	4.11E+08	Lloyd Corp	Todd A	Plugged	OG	Oil & Gas	H3500	Jack Herley	Oxnard	Any Area	Oxnard	Northern	Ventura	6	01N	21W	SB	34.19814	-119.1282	hud	N	N		PluggedOG
-1	4.11E+08	Vaca	W.S. 1	Plugged	WS	Water Sour	A0610	Aera Energ	Oxnard	Any Area	Ventura County	Northern	Ventura	12	01N	22W	SB	34.18803	-119.1318	GPS	N	N	1/7/1982	PluggedWS
-1	4.11E+08	Crocker Fe	15	Idle	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44462	-118.7966	hud	N	N		IdleOG
-1	4.11E+08	Crocker Fe	23	Idle	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.447	-118.7954	hud	N	N		IdleOG
-1	4.11E+08	Crocker Fe	27	Idle	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44445	-118.7989	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7671	Santa Fe Pa	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42654	-118.7949	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44496	-118.7954	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2152	Diamond V	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.4379	-118.7809	hud	N	N		PluggedOG
-1	4.11E+08	Colonia	1	Plugged	OG	Oil & Gas	W2475	Williams O	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42586	-118.7943	hud	N	N		PluggedOG
-1	4.11E+08	F. W. Byers	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44374	-118.7928	hud	N	N		PluggedOG
-1	4.11E+08	Hutton Oil	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44376	-118.804	hud	N	N		PluggedOG
-1	4.11E+08	Williams	1	Plugged	OG	Oil & Gas	W2475	Williams O	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42569	-118.7942	hud	N	N		PluggedOG
-1	4.11E+08	Colonia	1	Plugged	OG	Oil & Gas	1755	Colonia Oil	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.426	-118.7957	hud	N	N		PluggedOG
-1	4.11E+08	Colonia	1	Plugged	OG	Oil & Gas	H6150	Kenneth H.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42556	-118.7946	hud	N	N		PluggedOG
-1	4.11E+08	Fleisher	1	Plugged	OG	Oil & Gas	7671	Santa Fe Pa	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42609	-118.7916	hud	N	N		PluggedOG
-1	4.11E+08	Nettleton &	1	Plugged	OG	Oil & Gas	1755	Colonia Oil	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.43027	-118.7956	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	1160	C. Stephen	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	18W	SB	34.42802	-118.799	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8271	Ten Friend	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	18W	SB	34.42367	-118.8013	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	1-D	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44497	-118.8001	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	10	Plugged	WD	Water Disp	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44435	-118.795	hud	N	N		PluggedWD
-1	4.11E+08	Crocker Fe	11	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44578	-118.7951	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	12	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44415	-118.7978	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	14	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44434	-118.7972	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	16	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.4458	-118.7944	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	17	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44568	-118.797	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	18	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44519	-118.7942	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	19	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.4439	-118.8003	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44458	-118.7957	hud	N	N		PluggedOG
-1	4.11E+08	Nettleton &	2	Plugged	OG	Oil & Gas	1755	Colonia Oil	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42908	-118.7962	hud	N	N		PluggedOG
-1	4.11E+08	Williams	2	Plugged	OG	Oil & Gas	W2475	Williams O	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42552	-118.7942	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	2152	Diamond V	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.43773	-118.7803	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	DH	Dry Hole	8761	Ventura Oil	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	18W	SB	34.43322	-118.8078	hud	N	N		PluggedDH
-1	4.11E+08	Hutton Oil	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44237	-118.8109	hud	N	N		PluggedOG
-1	4.11E+08	Colonia	2	Plugged	OG	Oil & Gas	W2475	Williams O	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42512	-118.7963	hud	N	N	2/14/1976	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	8271	Ten Friend	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	18W	SB	34.42601	-118.7968	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	7671	Santa Fe Pa	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42572	-118.7949	GPS	N	N	9/22/1921	PluggedOG
-1	4.11E+08	Crocker Fe	21	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44358	-118.7994	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	22	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44422	-118.7997	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	24	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44381	-118.8012	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	26	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44492	-118.7915	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	28	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44452	-118.8003	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	29	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44422	-118.8006	hud	N	N		PluggedOG
-1	4.11E+08	Piru Core H	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	18W	SB	34.42381	-118.799	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	7671	Santa Fe Pa	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42717	-118.7946	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	2152	Diamond V	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.43766	-118.7796	hud	N	N		PluggedOG
-1	4.11E+08	Nettleton &	3	Plugged	OG	Oil & Gas	1755	Colonia Oil	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.43002	-118.7942	hud	N	N		PluggedOG
-1	4.11E+08	Williams	3	Plugged	OG	Oil & Gas	W2475	Williams O	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42535	-118.7941	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44122	-118.7953	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	30	Plugged	DH	Dry Hole	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44641	-118.7993	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	2152	Diamond V	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.43955	-118.7795	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44655	-118.7955	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	7671	Santa Fe Pe	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42586	-118.7951	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	7671	Santa Fe Pe	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42596	-118.7945	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44636	-118.7947	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	7671	Santa Fe Pe	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42596	-118.7945	GPS	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	6	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44512	-118.7971	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	7	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44555	-118.7976	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	7671	Santa Fe Pe	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.4264	-118.7951	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44499	-118.7915	hud	N	N		PluggedOG
-1	4.11E+08	Wrenn	8	Plugged	OG	Oil & Gas	7671	Santa Fe Pe	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	17	04N	18W	SB	34.42702	-118.7954	hud	N	N		PluggedOG
-1	4.11E+08	Crocker Fe	9	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44615	-118.7964	hud	N	N		PluggedOG
-1	4.11E+08	Crown Oil	9	Plugged	DH	Dry Hole	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	8	04N	18W	SB	34.44602	-118.7963	hud	N	N		PluggedDH
-1	4.11E+08	Crown	A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	7	04N	18W	SB	34.44568	-118.8108	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	Unknown	Plugged	DH	Dry Hole	7646	Santa Ana I	Piru (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	18W	SB	34.4293	-118.798	hud	N	N		PluggedDH
-1	4.11E+08	Temescal	37-15	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Piru Creek (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.4358	-118.7585	Operator	N	N		CanceledOG
-1	4.11E+08	Temescal	36-15	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Piru Creek (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.43584	-118.7584	Operator	N	Y	8/31/2010	IdleOG
-1	4.11E+08	Temescal	33	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru Creek (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.43595	-118.7614	hud	N	N	10/15/1959	PluggedOG
-1	4.11E+08	Temescal	34-15	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru Creek (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.43583	-118.7588	Operator	N	Y	4/23/1982	PluggedOG
-1	4.11E+08	Temescal	35-15	Plugged	OG	Oil & Gas	C5640	Chevron U.	Piru Creek (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	18W	SB	34.43629	-118.7567	hud	N	Y	12/28/1982	PluggedOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	1271	Califranco (	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43304	-118.717	hud	N	N		IdleOG
-1	4.11E+08	Black	1-A	Idle	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43206	-118.7154	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	10	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43296	-118.7107	GPS	N	Y		IdleOG
-1	4.11E+08	Black	103	Idle	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43205	-118.713	GPS	N	N		IdleOG
-1	4.11E+08	Adams-Agu	104	Idle	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43059	-118.717	hud	N	N		IdleOG
-1	4.11E+08	Adams-Agu	106	Idle	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42952	-118.7169	hud	N	N	6/9/1948	IdleOG
-1	4.11E+08	Adams-Agu	109	Idle	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43326	-118.7163	GPS	N	N		IdleOG
-1	4.11E+08	Adams-Agu	110	Idle	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.4287	-118.717	hud	N	N		IdleOG
-1	4.11E+08	Lease by W	14	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43259	-118.7096	GPS	N	Y		IdleOG
-1	4.11E+08	Ramona	14	Idle	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42678	-118.7262	Well Summ	N	N	5/6/1951	IdleOG
-1	4.11E+08	Lease by W	15	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43349	-118.7095	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	16	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43249	-118.7085	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	17	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43254	-118.7087	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	19	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43235	-118.7098	GPS	N	Y		IdleOG
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	1271	Califranco (	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43322	-118.7173	hud	N	N		IdleDH
-1	4.11E+08	Lease by W	20	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43409	-118.7079	GPS	N	Y		IdleOG
-1	4.11E+08	Aguirre	202	Idle	WD	Water Disp	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43074	-118.7195	GPS	N	N		IdleWD
-1	4.11E+08	Aguirre	203	Idle	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43012	-118.7188	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	25	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43597	-118.7079	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	26	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.4327	-118.7091	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	33	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43574	-118.7093	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	35	Idle	WD	Water Disp	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43607	-118.7081	GPS	N	Y	12/14/1949	IdleWD
-1	4.11E+08	Lease by W	37	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43538	-118.7074	GPS	N	Y	6/2/1950	IdleOG
-1	4.11E+08	Lease by W	4	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43592	-118.708	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	40	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43119	-118.7101	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	6	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.4341	-118.708	GPS	N	Y		IdleOG
-1	4.11E+08	Orduno	6	Idle	OG	Oil & Gas	T2425	Thompco I	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43264	-118.7064	GPS	N	N		IdleOG
-1	4.11E+08	Lease by W	8	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43369	-118.709	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by W	9	Idle	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43385	-118.7089	GPS	N	Y		IdleOG
-1	4.11E+08	Black	9A	Idle	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42998	-118.7142	GPS	N	N		IdleOG
-1	4.11E+08	Black	1	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43209	-118.7154	GPS	N	Y		ActiveOG
-1	4.11E+08	T. E. Adam	1	Active	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43179	-118.7164	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	1	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42979	-118.7209	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	10	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42767	-118.7235	GPS	N	N		ActiveOG
-1	4.11E+08	Black	101	Active	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43209	-118.7129	GPS	N	Y		ActiveOG
-1	4.11E+08	Adams-Agu	101	Active	WD	Water Disp	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43122	-118.7162	GPS	N	N		ActiveWD
-1	4.11E+08	Black	102	Active	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43267	-118.7123	GPS	N	Y		ActiveOG
-1	4.11E+08	Adams-Agu	102	Active	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43255	-118.7163	GPS	N	N		ActiveOG
-1	4.11E+08	Adams-Agu	103	Active	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.4313	-118.7162	GPS	N	Y		ActiveOG
-1	4.11E+08	Black	104	Active	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43261	-118.7123	GPS	N	Y		ActiveOG
-1	4.11E+08	Adams-Agu	105	Active	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43158	-118.7174	GPS	N	N		ActiveOG
-1	4.11E+08	Black	105	Active	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43237	-118.7124	GPS	N	Y		ActiveOG
-1	4.11E+08	Black	106	Active	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43238	-118.7123	GPS	N	Y		ActiveOG
-1	4.11E+08	Adams-Agu	108	Active	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.4323	-118.7173	GPS	N	N		ActiveOG
-1	4.11E+08	Black	11	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43271	-118.7153	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	11	Active	WD	Water Disp	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42762	-118.7246	GPS	N	N		ActiveWD
-1	4.11E+08	Adams-Agu	111	Active	OG	Oil & Gas	A0380	T. E. Adam	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42863	-118.7172	GPS	N	Y		ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Black	12	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43093	-118.7143	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by W	12	Active	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43268	-118.7094	GPS	N	Y		ActiveOG
-1	4.11E+08	Black	14	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43051	-118.7115	GPS	N	Y		ActiveOG
-1	4.11E+08	Black	15	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42949	-118.7148	GPS	N	N		ActiveOG
-1	4.11E+08	Black	16	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42834	-118.7125	GPS	N	N		ActiveOG
-1	4.11E+08	Black	2	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43352	-118.7154	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	2	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42888	-118.721	GPS	N	N		ActiveOG
-1	4.11E+08	Aguirre	200	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43121	-118.7185	GPS	N	N		ActiveOG
-1	4.11E+08	Aguirre	204	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42981	-118.7195	GPS	N	N		ActiveOG
-1	4.11E+08	Aguirre	205	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42875	-118.7185	GPS	N	Y		ActiveOG
-1	4.11E+08	Aguirre	206	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42867	-118.7186	GPS	N	Y		ActiveOG
-1	4.11E+08	Aguirre	207	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42848	-118.7185	GPS	N	N		ActiveOG
-1	4.11E+08	Aguirre	208	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42842	-118.7185	GPS	N	N		ActiveOG
-1	4.11E+08	Aguirre	209	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43115	-118.7184	GPS	N	N		ActiveOG
-1	4.11E+08	Kern	21	Active	OG	Oil & Gas	T2305	Thompson	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.42982	-118.7076	GPS	N	Y		ActiveOG
-1	4.11E+08	Black	3	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43275	-118.7144	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	3	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43086	-118.7209	GPS	N	N		ActiveOG
-1	4.11E+08	Black	3-A	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43227	-118.7141	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	4	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42806	-118.7213	Well Summ	N	N	6/27/1948	ActiveOG
-1	4.11E+08	Black	4	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43397	-118.7143	Well Summ	N	N	8/5/1945	ActiveOG
-1	4.11E+08	Black	6	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.4307	-118.7154	GPS	N	N		ActiveOG
-1	4.11E+08	Black	7	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.4305	-118.7119	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	7	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42893	-118.723	Well Summ	N	N	8/23/1948	ActiveOG
-1	4.11E+08	Black	8	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42997	-118.7154	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	8	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42804	-118.7225	GPS	N	N		ActiveOG
-1	4.11E+08	Ramona	9	Active	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42869	-118.7221	GPS	N	N		ActiveOG
-1	4.11E+08	Kern West	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43621	-118.7211	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7156	Ramona H	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43324	-118.715	hud	N	N		PluggedOG
-1	4.11E+08	Adams-Agu	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42988	-118.7173	hud	N	N		PluggedDH
-1	4.11E+08	Black	10	Plugged	OG	Oil & Gas	M6925	Mobil Oil E	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42907	-118.7147	hud	N	N		PluggedOG
-1	4.11E+08	Adams-Agu	107	Plugged	OG	Oil & Gas	C5640	Chevron U.	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42947	-118.7168	hud	N	Y		PluggedOG
-1	4.11E+08	Ramona	13	Plugged	OG	Oil & Gas	O2400	Oxy Petrol	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42738	-118.7277	hud	N	N		PluggedOG
-1	4.11E+08	Black	13	Plugged	OG	Oil & Gas	M6925	Mobil Oil E	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42891	-118.7144	hud	N	N		PluggedOG
-1	4.11E+08	Kern West	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43282	-118.7206	hud	N	N		PluggedDH
-1	4.11E+08	Aguirre	201	Plugged	OG	Oil & Gas	C5640	Chevron U.	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43188	-118.7195	hud	N	N		PluggedOG
-1	4.11E+08	Lease by W	23	Plugged	OG	Oil & Gas	11109	West Energ	Ramona	Any Area	Ventura County	Northern	Ventura	18	04N	17W	SB	34.43302	-118.7106	GPS	N	N		PluggedOG
-1	4.11E+08	Crestmont-	45X-13	Plugged	DH	Dry Hole	M7025	Montara Pe	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43097	-118.7209	hud	N	N		PluggedDH
-1	4.11E+08	Black	5	Plugged	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.43314	-118.7126	Well Summ	N	N	9/7/1946	PluggedOG
-1	4.11E+08	Ramona	5	Plugged	OG	Oil & Gas	C0075	Cbase Corp	Ramona	Any Area	Ventura County	Northern	Ventura	13	04N	18W	SB	34.42955	-118.7221	Well Summ	N	N	7/15/1950	PluggedOG
-1	4.11E+08	Grubb	472	Canceled	OG	Oil & Gas	C0885	California F	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32184	-119.351	Notice of Ir	N	Y		CanceledOG
-1	4.11E+08	Hobson	A-32	Canceled	OG	Oil & Gas	C0885	California F	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.3378	-119.3672	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Hobson Sta	Unknown V	Canceled	OG	Oil & Gas	8073	State Lands	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34973	-119.4236	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34305	-119.4051	GPS	N	N	1/14/1927	IdleOG
-1	4.11E+08	Hobson	1	Idle	OG	Oil & Gas	L0875	LBTH Inc.	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33897	-119.3787	GPS	N	N	11/8/1935	IdleOG
-1	4.11E+08	Lease by Ca	101	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34147	-119.3956	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	101	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34164	-119.3903	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	102	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34158	-119.3903	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	102W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34138	-119.3956	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	103	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34159	-119.3902	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	104	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34166	-119.3903	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	105	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33847	-119.3824	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	106	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33845	-119.3823	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	107-A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33947	-119.3861	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	108	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34227	-119.3896	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	10P	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33215	-119.3666	GPS	N	Y	1/6/1971	IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33945	-119.3889	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	110W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34374	-119.3964	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33944	-119.3888	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33329	-119.366	GPS	N	N	5/2/1975	IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33976	-119.3901	GPS	N	Y		IdleOG
-1	4.11E+08	Hobson Sta	13	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.3469	-119.4212	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	132	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3426	-119.3971	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	133W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34267	-119.397	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	134W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34254	-119.3971	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33974	-119.39	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hobson Sta	14	Idle	WF	Waterflooc	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34814	-119.4221	GPS	N	Y	6/20/1957	IdleWF
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34797	-119.4122	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33973	-119.39	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	15-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34802	-119.4124	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	150-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34441	-119.3982	GPS	N	Y		IdleOG
-1	4.21E+08	State PRC 1	16	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34627	-119.4207	GPS	N	Y	6/24/1989	IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33973	-119.3899	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	170	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34583	-119.4046	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	171	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34576	-119.4047	GPS	N	N		IdleOG
-1	4.11E+08	Grubb	172	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33244	-119.3581	GPS	N	Y	9/16/1972	IdleOG
-1	4.11E+08	Lease by Ca	18-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34626	-119.4114	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34721	-119.41	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	19-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34723	-119.4101	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34017	-119.3851	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33267	-119.3679	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33262	-119.368	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33259	-119.3681	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33274	-119.3678	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33777	-119.3849	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	22	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33685	-119.3887	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33945	-119.3859	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33942	-119.3859	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34682	-119.4085	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	24-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34683	-119.4084	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	24-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34686	-119.4083	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	24-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34679	-119.4086	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34616	-119.4098	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33939	-119.386	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	25-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34614	-119.4099	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	25-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.3462	-119.4096	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34661	-119.4066	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33935	-119.3861	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	26-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3466	-119.4067	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	WD	Water Disp	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33685	-119.389	GPS	N	Y		IdleWD
-1	4.11E+08	Lease by Ca	28-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34516	-119.4056	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34161	-119.3904	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34491	-119.4037	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	29-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34468	-119.4037	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.3371	-119.3833	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33318	-119.3701	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1-Mar	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33329	-119.3702	GPS	N	Y	8/15/1966	IdleOG
-1	4.11E+08	Lease by Ca	2-Mar	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33311	-119.3701	GPS	N	Y	7/8/1966	IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34471	-119.4017	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34168	-119.3904	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	30-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34467	-119.4015	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	30-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34464	-119.4014	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	30-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34469	-119.4017	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	34-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34636	-119.4046	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	34-W	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34638	-119.4045	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	35-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34441	-119.3998	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	35-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34425	-119.3998	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	35-4	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34432	-119.3998	GPS	N	N	12/18/1981	IdleWF
-1	4.11E+08	Lease by Ca	35-W	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34449	-119.3998	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	36	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3443	-119.3978	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	39-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.346	-119.4005	GPS	N	Y	3/25/1962	IdleOG
-1	4.11E+08	Hobson	4	Idle	OG	Oil & Gas	L0875	LBTH Inc.	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34115	-119.3831	GPS	N	N	9/6/1937	IdleOG
-1	4.11E+08	Hobson Sta	4	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34906	-119.4229	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	40-W	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34581	-119.3987	GPS	N	N		IdleWF
-1	4.11E+08	Grubb	402	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33043	-119.3595	GPS	N	N	12/20/1945	IdleWF
-1	4.11E+08	Grubb	403	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32888	-119.3605	GPS	N	N	9/6/1946	IdleWF
-1	4.11E+08	Grubb	404	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32887	-119.3586	GPS	N	N	4/24/1947	IdleOG
-1	4.11E+08	Grubb	406	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32999	-119.3577	GPS	N	N	7/12/1947	IdleOG
-1	4.11E+08	Lease by Ca	41	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3482	-119.4069	GPS	N	N		IdleOG
-1	4.11E+08	Grubb	412	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33024	-119.3537	GPS	N	N	1/27/1949	IdleOG
-1	4.11E+08	Grubb	413	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33053	-119.3516	GPS	N	N	3/23/1949	IdleWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by C	43-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34821	-119.4068	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	44-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34338	-119.403	GPS	N	N	2/27/1941	IdleWF
-1	4.11E+08	Lease by C	45-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34802	-119.4103	GPS	N	N		IdleWF
-1	4.11E+08	Grubb	451	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32892	-119.3585	GPS	N	N	8/3/1968	IdleOG
-1	4.11E+08	Grubb	452	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32856	-119.3563	GPS	N	N	10/20/1968	IdleOG
-1	4.11E+08	Grubb	458	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33195	-119.3585	GPS	N	N	2/13/1969	IdleOG
-1	4.11E+08	Grubb	459	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32966	-119.349	GPS	N	N	3/25/1969	IdleOG
-1	4.11E+08	Lease by C	46-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3427	-119.401	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	46-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34264	-119.4009	GPS	N	N		IdleWF
-1	4.11E+08	Grubb	464	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33058	-119.3597	GPS	N	Y	9/16/1969	IdleOG
-1	4.11E+08	Lease by C	47	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34269	-119.401	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	47-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3426	-119.3989	GPS	N	Y		IdleOG
-1	4.11E+08	Grubb	470	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32825	-119.3521	Well Summ	N	Y	10/18/2010	IdleOG
-1	4.11E+08	Lease by C	474	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33509	-119.3584	Well Summ	N	Y	1/28/2011	IdleOG
-1	4.11E+08	Grubb	476	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33249	-119.3583	Well Summ	N	Y	1/8/2011	IdleOG
-1	4.11E+08	Grubb	477	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3281	-119.3522	Well Summ	N	Y	3/22/2011	IdleOG
-1	4.11E+08	Grubb	483	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33334	-119.3575	Well Summ	N	Y	4/28/2011	IdleOG
-1	4.11E+08	Grubb	484	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32957	-119.3491	Well Summ	N	Y	5/13/2011	IdleOG
-1	4.11E+08	State PRC 1	4A	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34623	-119.4201	GPS	N	Y	7/13/1945	IdleOG
-1	4.11E+08	Hobson	5	Idle	OG	Oil & Gas	R2805	Rincon Isla	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34432	-119.4182	GPS	N	N	12/2/1954	IdleOG
-1	4.11E+08	Lease by C	50	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34142	-119.3936	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	50	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33989	-119.3901	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	51	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34148	-119.3936	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	51	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33989	-119.39	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	51-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34151	-119.3936	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	52	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33987	-119.3899	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	53	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34184	-119.4001	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	53	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33946	-119.3902	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	54	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33946	-119.39	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	54W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34821	-119.407	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	55	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33946	-119.39	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	56	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33946	-119.3899	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	57	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33997	-119.3898	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	58	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33996	-119.3896	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	60	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34027	-119.3945	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	60	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33937	-119.3868	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	61-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34015	-119.3947	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	61W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3402	-119.3946	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	64	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33929	-119.3889	GPS	N	Y		IdleOG
-1	4.11E+08	State PRC 1	6A	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34876	-119.4226	GPS	N	Y	11/11/1949	IdleOG
-1	4.11E+08	Lease by C	6W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33963	-119.3854	GPS	N	Y		IdleWF
-1	4.11E+08	Hobson Sta	7	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34837	-119.4223	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33112	-119.3672	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	2-Jul	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33105	-119.3672	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	3-Jul	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33123	-119.3673	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	70	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34297	-119.393	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	70	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33787	-119.3849	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	72	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34314	-119.3929	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	73-A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34322	-119.3929	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	74	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34289	-119.393	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	75	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34338	-119.3929	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	76	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34329	-119.3929	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	77	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.343	-119.3929	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	78-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34307	-119.3929	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	79-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34315	-119.3929	GPS	N	N		IdleWF
-1	4.11E+08	Hobson Sta	8	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34968	-119.4235	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33903	-119.3878	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33182	-119.3663	GPS	N	N	2/24/1947	IdleOG
-1	4.11E+08	Lease by C	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34459	-119.405	GPS	N	N		IdleOG
-1	4.11E+08	Hobson Sta	9	Idle	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34973	-119.4236	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33041	-119.3693	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33945	-119.389	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	1-Sep	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33051	-119.3693	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	2-Sep	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33057	-119.3693	GPS	N	N	1/20/1966	IdleOG
-1	4.11E+08	Lease by C	9-2W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34436	-119.4052	GPS	N	N		IdleWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by C	90	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.33909	-119.3959	GPS	N	N	8/15/1948	IdleOG
-1	4.11E+08	Lease by C	A-10-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32863	-119.366	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-10-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32868	-119.3662	GPS	N	N	7/17/1940	IdleWF
-1	4.11E+08	Lease by C	A-11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33593	-119.3814	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33494	-119.3659	GPS	N	Y	11/10/1943	IdleOG
-1	4.11E+08	Lease by C	A-13-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33281	-119.3634	GPS	N	N	10/11/1944	IdleWF
-1	4.11E+08	Lease by C	A-14-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33485	-119.3681	GPS	N	N	8/10/1944	IdleWF
-1	4.11E+08	Lease by C	A-16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33352	-119.3616	GPS	N	N	1/8/1947	IdleOG
-1	4.11E+08	Lease by C	A-18-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33154	-119.3611	GPS	N	N	11/30/1945	IdleWF
-1	4.11E+08	Lease by C	A-19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33352	-119.3616	GPS	N	N	7/6/1945	IdleOG
-1	4.11E+08	Lease by C	A-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32689	-119.3689	GPS	N	N	8/16/1929	IdleOG
-1	4.11E+08	Lease by C	A-20	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33656	-119.3663	GPS	N	N	11/8/1949	IdleOG
-1	4.11E+08	Lease by C	A-21-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33834	-119.3614	GPS	N	N	10/25/1951	IdleWF
-1	4.11E+08	Lease by C	A-22-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33588	-119.3628	GPS	N	N	4/7/1947	IdleWF
-1	4.11E+08	Lease by C	A-24	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33131	-119.3633	GPS	N	N	7/24/1947	IdleWF
-1	4.11E+08	Lease by C	A-26-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33463	-119.3589	GPS	N	N	9/27/1947	IdleWF
-1	4.11E+08	Lease by C	A-27	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33782	-119.3682	GPS	N	N	12/28/1950	IdleOG
-1	4.11E+08	Lease by C	A-28	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33585	-119.3719	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-29W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33582	-119.3718	GPS	N	N	8/7/1951	IdleWF
-1	4.11E+08	Lease by C	A-31	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33838	-119.3612	GPS	N	N	10/25/1953	IdleOG
-1	4.11E+08	Lease by C	A-35-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33718	-119.3799	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-36	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33718	-119.3769	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-37-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33785	-119.3683	GPS	N	N	6/26/1954	IdleWF
-1	4.11E+08	Lease by C	A-38	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33359	-119.3616	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-39	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33024	-119.3692	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33712	-119.3769	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-4-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33702	-119.377	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-41	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33549	-119.3764	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-45W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32921	-119.3627	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by C	A-46	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.3311	-119.3632	GPS	N	Y	10/27/1970	IdleOG
-1	4.11E+08	Lease by C	A-48	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33165	-119.3611	GPS	N	Y	10/1/1971	IdleOG
-1	4.11E+08	Lease by C	A-5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33736	-119.3809	GPS	N	N	3/20/1937	IdleOG
-1	4.11E+08	Lease by C	A-6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33617	-119.3799	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-6-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33611	-119.38	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33738	-119.375	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	A-8-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33751	-119.375	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-8-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33731	-119.3751	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	A-9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33593	-119.374	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-100-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34132	-119.3956	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-10A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35091	-119.4182	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34967	-119.4183	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3493	-119.4169	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-13	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34885	-119.4155	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-130	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3427	-119.397	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-131-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34262	-119.3971	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	B-14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34792	-119.4144	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-140-W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.3416	-119.3977	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	B-16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34966	-119.4141	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-160	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34481	-119.4137	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-161-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34444	-119.4105	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-162	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34365	-119.407	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-163	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34524	-119.4119	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-167	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34454	-119.4084	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-167-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34459	-119.4083	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-167-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34474	-119.4082	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-17-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34653	-119.4133	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-17W	Idle	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34655	-119.4134	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	B-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34622	-119.4115	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-18-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34618	-119.4116	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-190	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34257	-119.399	GPS	N	N	5/15/1985	IdleOG
-1	4.11E+08	Lease by C	B-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34945	-119.42	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-20	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3502	-119.4156	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-21	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35054	-119.4168	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-22	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.348	-119.4123	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-23	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35039	-119.4192	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by C	B-25-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.3462	-119.4097	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-27-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34618	-119.4097	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-27-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34532	-119.4075	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-27-W	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34523	-119.4076	GPS	N	N		IdleWF
-1	4.11E+08	Lease by C	B-28	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34508	-119.4056	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-28-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34501	-119.4057	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-29-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34481	-119.4037	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-29-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34497	-119.4037	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-29-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34473	-119.4037	GPS	N	Y	1/2/1966	IdleOG
-1	4.11E+08	Lease by C	B-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34849	-119.4191	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-30-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34471	-119.4018	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-31	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.3484	-119.415	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-32	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34907	-119.4162	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-33	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34959	-119.4175	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-35-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34421	-119.3998	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-38	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34767	-119.4133	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-38-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34761	-119.4133	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3504	-119.4193	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-42	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.347	-119.4124	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-42-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.347	-119.4123	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34788	-119.4161	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-52	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34526	-119.4107	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-55	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34939	-119.4201	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-56	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34674	-119.4153	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-57	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34719	-119.4171	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-58	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34726	-119.4171	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-59	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34868	-119.4193	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34851	-119.4178	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-63	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34732	-119.4172	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-64	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34934	-119.4202	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	B-7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34714	-119.417	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-71	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34306	-119.393	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34668	-119.4156	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-8-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34673	-119.4154	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-84	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34863	-119.4192	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B-9-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34452	-119.4051	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	B1-1-W	Idle	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34312	-119.405	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by C	C-11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34495	-119.4158	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34583	-119.4177	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34624	-119.4191	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34757	-119.4204	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	C-17	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34599	-119.4188	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34836	-119.4212	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34592	-119.4187	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	C-2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34763	-119.4205	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-20	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34838	-119.4213	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-21	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34835	-119.4212	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34692	-119.4198	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34616	-119.419	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34888	-119.4207	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34807	-119.4198	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34874	-119.4207	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	C-9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34589	-119.4178	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.3332	-119.3658	GPS	N	N	7/12/1944	ActiveOG
-1	4.11E+08	Lease by C	100	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33847	-119.3824	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by C	11	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33223	-119.3667	GPS	N	Y	3/27/1971	ActiveOG
-1	4.11E+08	Lease by C	12	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33318	-119.3662	GPS	N	Y	6/29/1972	ActiveOG
-1	4.11E+08	Hobson	2	Active	OG	Oil & Gas	L0875	LBTH Inc.	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34032	-119.3816	GPS	N	N	8/21/1936	ActiveOG
-1	4.11E+08	Lease by C	39-W	Active	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.346	-119.4006	GPS	N	N	11/22/1940	ActiveWF
-1	4.11E+08	Grubb	401	Active	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33187	-119.3586	GPS	N	N	8/6/1945	ActiveWF
-1	4.11E+08	Grubb	415	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32972	-119.3484	GPS	N	N	8/14/1949	ActiveOG
-1	4.11E+08	Grubb	456	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33	-119.3548	GPS	N	Y	12/7/1968	ActiveOG
-1	4.11E+08	Grubb	457	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32924	-119.3492	GPS	N	Y	2/8/1969	ActiveOG
-1	4.11E+08	Grubb	461	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32873	-119.3492	GPS	N	N	5/14/1969	ActiveOG
-1	4.11E+08	Grubb	471	Active	WF	Waterflooc	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32838	-119.3511	Notice of Ir	N	Y	12/13/2010	ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Grubb	473	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32803	-119.3522	Well Summ	N	Y	2/26/2011	ActiveOG
-1	4.11E+08	Grubb	475	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33253	-119.3584	Well Summ	N	Y	2/10/2011	ActiveOG
-1	4.11E+08	Grubb	482	Active	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33337	-119.3576	Well Summ	N	Y	4/9/2011	ActiveWF
-1	4.11E+08	Hobson	5	Active	OG	Oil & Gas	L0875	LBTH Inc.	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33798	-119.3786	GPS	N	N	8/4/1941	ActiveOG
-1	4.11E+08	Hobson	6	Active	WD	Water Disp	L0875	LBTH Inc.	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34033	-119.3807	GPS	N	N	9/20/1955	ActiveWD
-1	4.11E+08	Lease by Ca	71	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34214	-119.3895	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	A-10-2	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32861	-119.366	GPS	N	Y	1/27/1967	ActiveOG
-1	4.11E+08	Lease by Ca	A-15	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33438	-119.3638	GPS	N	N	12/26/1944	ActiveOG
-1	4.11E+08	Lease by Ca	A-17W	Active	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33324	-119.3599	GPS	N	N	4/9/1945	ActiveWF
-1	4.11E+08	Lease by Ca	A-23	Active	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33596	-119.3628	GPS	N	Y	1/29/1950	ActiveWF
-1	4.11E+08	Lease by Ca	A-25W	Active	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.3303	-119.362	GPS	N	N	12/17/1946	ActiveWF
-1	4.11E+08	Lease by Ca	A-28-1	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33578	-119.3717	GPS	N	N	11/12/1966	ActiveOG
-1	4.11E+08	Lease by Ca	A-30-W	Active	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	14	03N	24W	SB	34.33836	-119.3613	GPS	N	N	3/20/1953	ActiveWF
-1	4.11E+08	Lease by Ca	A-35	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33723	-119.3799	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	A-40	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.3378	-119.3801	GPS	N	Y	1/8/1969	ActiveOG
-1	4.11E+08	Lease by Ca	A-42	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32929	-119.3626	GPS	N	Y	7/17/1969	ActiveOG
-1	4.11E+08	Lease by Ca	A-43	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32935	-119.3624	GPS	N	N	9/3/1969	ActiveOG
-1	4.11E+08	Lease by Ca	A-44	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33104	-119.3624	GPS	N	Y	2/3/1970	ActiveOG
-1	4.11E+08	Lease by Ca	A-47	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33092	-119.3631	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	A-49	Active	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33342	-119.3641	GPS	N	N	2/15/1972	ActiveWF
-1	4.11E+08	Lease by Ca	B-100	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34155	-119.3956	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	B-150	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34439	-119.3981	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	B-161	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34436	-119.4104	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	B-163-1	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.3452	-119.412	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	B-51-1	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34155	-119.3935	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	B-52-1	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34531	-119.4107	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	C-12	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34509	-119.4176	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	C-13	Active	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34612	-119.4189	GPS	N	N		ActiveOG
-1	4.11E+08	Neaves-Rin	1	Plugged	DH	Dry Hole	N0825	Neaves Pet	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3504	-119.4222	hud	N	Y	6/27/1968	PluggedDH
-1	4.11E+08	Tomson	1	Plugged	DH	Dry Hole	S3100	Shell West	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3534	-119.4223	hud	N	N		PluggedDH
-1	4.11E+08	Rincon	1	Plugged	DH	Dry Hole	868	Bond Dev.	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35309	-119.4224	hud	N	N		PluggedDH
-1	4.11E+08	Hobson U.S	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34911	-119.4118	hud	N	N	7/8/1928	PluggedDH
-1	4.11E+08	Hobson A	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35945	-119.4137	hud	N	N		PluggedDH
-1	4.11E+08	Hickey	1	Plugged	DH	Dry Hole	4276	Italo Petrol	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.3567	-119.4419	hud	N	N	6/9/1928	PluggedDH
-1	4.11E+08	Hickey	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.35597	-119.4417	hud	N	N	5/23/1929	PluggedDH
-1	4.11E+08	Conoco M.	1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33569	-119.3907	hud	N	N	11/18/1971	PluggedDH
-1	4.11E+08	S.P.-Pitas P	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Rincon	Onshore	Ventura County	Northern	Ventura	22	03N	24W	SB	34.32141	-119.3823	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	DH	Dry Hole	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	22	03N	24W	SB	34.33224	-119.3849	GPS	N	N	12/31/1916	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	6786	Petroleum	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34519	-119.4192	hud	N	N	12/10/1927	PluggedOG
-1	4.11E+08	S.P.	1	Plugged	OG	Oil & Gas	N1235	Newmo Co	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34675	-119.4197	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.35622	-119.4426	hud	N	N		PluggedDH
-1	4.11E+08	Oland	1	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.35575	-119.4403	hud	N	N	5/26/1928	PluggedDH
-1	4.11E+08	Hobson Fe	1	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34618	-119.4196	hud	N	N	11/15/1927	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	5840	McVicar-Rc	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34829	-119.4212	hud	N	N		PluggedOG
-1	4.11E+08	Tomson	1	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34894	-119.4208	hud	N	N		PluggedOG
-1	4.11E+08	Union-Stan	1	Plugged	DH	Dry Hole	U0200	Union Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35892	-119.4227	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2080	Davis & Irv	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.3562	-119.4406	hud	N	N		PluggedDH
-1	4.11E+08	Glenora	1	Plugged	OG	Oil & Gas	1095	C. G. Perry	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.35746	-119.4415	hud	N	N	5/3/1959	PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33842	-119.3823	GPS	N	N	9/1/1936	PluggedOG
-1	4.11E+08	C.W.O.D. F	1	Plugged	DH	Dry Hole	P2900	Petromine	Rincon	Onshore	Ventura County	Northern	Ventura	22	03N	24W	SB	34.3279	-119.3769	hud	N	Y	10/19/1966	PluggedDH
-1	4.11E+08	Fox	1	Plugged	DH	Dry Hole	7305	Ridge Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	9	03N	24W	SB	34.34892	-119.3981	hud	N	N	8/13/1938	PluggedDH
-1	4.11E+08	Smith-Hoff	1	Plugged	DH	Dry Hole	A4505	Atlantic Ric	Rincon	Onshore	Ventura County	Northern	Ventura	21	03N	24W	SB	34.32756	-119.3965	hud	N	N		PluggedDH
-1	4.11E+08	H. & S.	1	Plugged	DH	Dry Hole	A1700	Amerada H	Rincon	Onshore	Ventura County	Northern	Ventura	9	03N	24W	SB	34.35138	-119.3913	hud	N	N	12/24/1951	PluggedDH
-1	4.11E+08	Hobson Sta	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34758	-119.4201	hud	N	N	8/12/1927	PluggedDH
-1	4.11E+08	Hobson	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34581	-119.4192	hud	N	N	11/29/1927	PluggedDH
-1	4.11E+08	Hickey	1	Plugged	DH	Dry Hole	6786	Petroleum	Rincon	Onshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.35571	-119.442	hud	N	N	6/9/1928	PluggedDH
-1	4.11E+08	Faria	1	Plugged	DH	Dry Hole	M7050	Monterey I	Rincon	Onshore	Ventura County	Northern	Ventura	22	03N	24W	SB	34.32302	-119.3766	hud	N	N	9/21/1972	PluggedDH
-1	4.11E+08	Valenzuela	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32428	-119.3699	hud	N	N		PluggedDH
-1	4.11E+08	Padre	10	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33946	-119.389	GPS	N	N		PluggedOG
-1	4.11E+08	Hobson Sta	10	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34684	-119.4211	Well Summ	N	Y	9/4/1945	PluggedOG
-1	4.11E+08	Padre	107	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34039	-119.3849	hud	N	N		PluggedDH
-1	4.11E+08	Grubb	109	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33081	-119.3599	hud	N	N		PluggedOG
-1	4.11E+08	Hobson Sta	11	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34894	-119.4228	Well Summ	N	Y	1/24/1950	PluggedOG
-1	4.11E+08	State PRC 1	11	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34876	-119.4226	Well Summ	N	Y	5/2/1957	PluggedOG
-1	4.11E+08	State PRC 1	12	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34639	-119.4202	Well Summ	N	Y	9/11/1958	PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hobson Sta	12	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34675	-119.4204	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	120	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34447	-119.395	GPS	N	Y	5/1/1952	PluggedOG
-1	4.11E+08	Lease by Ca	121	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34441	-119.395	GPS	N	Y	5/29/1963	PluggedOG
-1	4.11E+08	Lease by Ca	122W	Plugged	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34428	-119.3949	GPS	N	Y	1/19/1982	PluggedWF
-1	4.11E+08	Lease by Ca	123	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34445	-119.3949	GPS	N	Y	2/21/1982	PluggedOG
-1	4.11E+08	Lease by Ca	124W	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34433	-119.3949	GPS	N	Y	12/5/1981	PluggedMulti
-1	4.11E+08	Hickey-Stat	144-1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Rincon	Offshore	Ventura County	Northern	Ventura	7	03N	24W	SB	34.356	-119.4422	hud	N	Y		PluggedDH
-1	4.11E+08	State PRC 1	15	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34879	-119.423	Well Summ	N	Y	3/27/1988	PluggedOG
-1	4.11E+08	Hobson Sta	15	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34641	-119.4203	Well Summ	N	Y	8/7/1955	PluggedOG
-1	4.11E+08	Lease by Ca	152	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32438	-119.3545	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	158	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3269	-119.3498	GPS	N	N		PluggedOG
-1	4.11E+08	Grubb	161	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33223	-119.3583	hud	N	Y	11/8/1970	PluggedOG
-1	4.11E+08	Lease by Ca	162	Plugged	UNK	Unknown	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32606	-119.353	hud	N	Y		PluggedUNK
-1	4.11E+08	Lease by Ca	164	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32106	-119.3562	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	165	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3238	-119.3484	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	169	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.31947	-119.3569	GPS	N	N		PluggedOG
-1	4.11E+08	Padre	17	Plugged	WF	Waterfloo	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33979	-119.3898	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Ca	170	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32416	-119.3467	hud	N	Y		PluggedOG
-1	4.11E+08	Padre	19	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33709	-119.3887	hud	N	N		PluggedOG
-1	4.11E+08	State PRC 1	1A	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34625	-119.42	Well Summ	N	Y	1/31/1945	PluggedOG
-1	4.11E+08	S.P.	2	Plugged	OG	Oil & Gas	N1235	Newmo Co	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34689	-119.42	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	5840	McVicar-Rc	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34754	-119.4204	hud	N	N		PluggedOG
-1	4.11E+08	Hobson U.S	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34912	-119.4116	hud	N	N		PluggedDH
-1	4.11E+08	Hobson	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34542	-119.4188	hud	N	N		PluggedOG
-1	4.11E+08	Hickey	2	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34715	-119.4106	hud	N	N		PluggedDH
-1	4.11E+08	State PRC 1	2	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34638	-119.4201	Well Summ	N	Y	3/29/1945	PluggedOG
-1	4.11E+08	Tomson	2	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34951	-119.4202	hud	N	N		PluggedOG
-1	4.11E+08	Hobson Fe	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34678	-119.4202	hud	N	N		PluggedOG
-1	4.11E+08	Hobson Sta	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34624	-119.42	hud	N	N		PluggedDH
-1	4.11E+08	Hobson-Sm	1-Feb	Plugged	DH	Dry Hole	S3100	Shell West	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34325	-119.3842	hud	N	N		PluggedDH
-1	4.11E+08	Padre	20	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33703	-119.3885	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	27	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33932	-119.3862	GPS	N	Y	5/8/1953	PluggedOG
-1	4.11E+08	State PRC 1	3	Plugged	WD	Water Disp	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34628	-119.4201	Well Summ	N	Y	5/11/1945	PluggedWD
-1	4.11E+08	S.P.	3	Plugged	OG	Oil & Gas	N1235	Newmo Co	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34741	-119.4204	hud	N	N		PluggedOG
-1	4.11E+08	Hobson	3	Plugged	DH	Dry Hole	C7800	Conoco Inc	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34211	-119.3772	hud	N	N	2/20/1937	PluggedDH
-1	4.11E+08	Hobson Fe	3	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34753	-119.4211	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	5840	McVicar-Rc	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34664	-119.4195	hud	N	N		PluggedOG
-1	4.11E+08	Hobson U.S	3	Plugged	DH	Dry Hole	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3489	-119.4105	hud	N	N		PluggedDH
-1	4.11E+08	Tomson	3	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35027	-119.4197	hud	N	N		PluggedOG
-1	4.11E+08	Hobson	3	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34959	-119.423	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	37	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34622	-119.4025	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	37-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34621	-119.4026	GPS	N	Y		PluggedOG
-1	4.11E+08	Tomson	4	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35003	-119.4207	hud	N	N		PluggedOG
-1	4.11E+08	Padre	4	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33588	-119.3838	hud	N	N		PluggedOG
-1	4.11E+08	Hobson Fe	4	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34805	-119.4216	hud	N	N		PluggedOG
-1	4.11E+08	Hobson	4	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.3504	-119.4239	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	5840	McVicar-Rc	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34972	-119.4227	hud	N	N		PluggedOG
-1	4.11E+08	Grubb	405	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33329	-119.3576	GPS	N	N	4/6/1959	PluggedOG
-1	4.11E+08	Grubb	407	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33215	-119.3567	hud	N	N	7/26/1947	PluggedOG
-1	4.11E+08	Grubb	408	Plugged	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32997	-119.3555	hud	N	N	10/16/1947	PluggedWF
-1	4.11E+08	Grubb	409	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32902	-119.3565	hud	N	N	4/25/1948	PluggedOG
-1	4.11E+08	Grubb	410	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33178	-119.3554	GPS	N	N	7/29/1948	PluggedOG
-1	4.11E+08	Grubb	411	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33294	-119.3525	GPS	N	N	10/28/1948	PluggedOG
-1	4.11E+08	Grubb	414	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33198	-119.3507	GPS	N	N	1/26/1949	PluggedOG
-1	4.11E+08	Grubb	416	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33185	-119.3485	hud	N	N	9/4/1950	PluggedOG
-1	4.11E+08	Grubb	417	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3329	-119.3451	hud	N	N	4/15/1951	PluggedOG
-1	4.11E+08	Grubb	418	Plugged	INJ	Injection	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33287	-119.3453	hud	N	N	11/28/1951	PluggedINJ
-1	4.11E+08	Grubb	419	Plugged	INJ	Injection	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.33316	-119.3553	GPS	N	N	2/18/1952	PluggedINJ
-1	4.11E+08	Grubb	420	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.33227	-119.3564	hud	N	Y		PluggedOG
-1	4.11E+08	Grubb	451-A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32932	-119.3601	hud	N	N	7/25/1968	PluggedOG
-1	4.11E+08	Grubb	467	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32958	-119.3549	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	48-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34747	-119.405	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	48-W	Plugged	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34764	-119.4053	GPS	N	N		PluggedWF
-1	4.11E+08	Lease by Ca	49W	Plugged	WF	Waterfloo	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34762	-119.4053	GPS	N	N		PluggedWF
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	5840	McVicar-Rc	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34906	-119.422	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Tomson	5	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35103	-119.4191	hud	N	N		PluggedOG
-1	4.11E+08	Padre	5	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.3381	-119.3849	hud	N	Y		PluggedOG
-1	4.11E+08	Hobson Fe	5	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34856	-119.422	hud	N	N		PluggedOG
-1	4.11E+08	State PRC 1	5	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34874	-119.4226	Well Summ	N	Y	10/5/1949	PluggedOG
-1	4.11E+08	Hobson Sta	5	Plugged	WF	Waterflooc	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.348	-119.4219	Well Summ	N	Y	7/29/1938	PluggedWF
-1	4.11E+08	Lease by Ca	5-A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	23	03N	24W	SB	34.3314	-119.3725	hud	N	N	8/10/1939	PluggedOG
-1	4.11E+08	Lease by Ca	59	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33932	-119.3867	GPS	N	Y	5/29/1954	PluggedMulti
-1	4.11E+08	Hobson Fe	6	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34898	-119.4223	hud	N	N		PluggedOG
-1	4.11E+08	Hobson	6	Plugged	OG	Oil & Gas	R2805	Rincon Isla	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34598	-119.4199	Well Summ	N	N	4/27/1954	PluggedOG
-1	4.11E+08	Tomson	6	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34872	-119.4208	hud	N	N		PluggedOG
-1	4.11E+08	Hobson Sta	6	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34926	-119.4231	Well Summ	N	Y	2/24/1938	PluggedOG
-1	4.11E+08	Padre	61	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33941	-119.3867	hud	N	Y		PluggedOG
-1	4.11E+08	Padre	62	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33978	-119.3896	hud	N	Y		PluggedOG
-1	4.11E+08	Hobson Fe	7	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Rincon	Onshore	Ventura County	Northern	Ventura	9	03N	24W	SB	34.35269	-119.3909	hud	N	N		PluggedOG
-1	4.11E+08	Padre	7	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33918	-119.3876	hud	N	N		PluggedOG
-1	4.11E+08	State PRC 1	7	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34643	-119.4203	Well Summ	N	Y	12/16/1954	PluggedOG
-1	4.11E+08	Smith-Hob	70	Plugged	DH	Dry Hole	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.34336	-119.384	hud	N	Y		PluggedDH
-1	4.11E+08	Hobson Fe	8	Plugged	OG	Oil & Gas	R2805	Rincon Isla	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34696	-119.4208	Well Summ	N	N	11/8/1956	PluggedOG
-1	4.11E+08	State PRC 1	8	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34642	-119.4203	Well Summ	N	N	6/9/1954	PluggedOG
-1	4.11E+08	Federal	1-Aug	Plugged	OG	Oil & Gas	P2900	Petromine	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34913	-119.4119	hud	N	N		PluggedOG
-1	4.11E+08	Federal	2-Aug	Plugged	OG	Oil & Gas	P2900	Petromine	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34904	-119.4104	hud	N	N		PluggedOG
-1	4.11E+08	Federal	3-Aug	Plugged	OG	Oil & Gas	P2900	Petromine	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34904	-119.4107	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	80W	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34481	-119.3927	hud	N	N		PluggedMulti
-1	4.11E+08	Lease by Ca	81	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34467	-119.3926	hud	N	N	1/10/1960	PluggedOG
-1	4.11E+08	State PRC 1	9	Plugged	OG	Oil & Gas	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34644	-119.4203	Well Summ	N	Y	6/6/1955	PluggedOG
-1	4.11E+08	Hobson Sta	903	Plugged	WF	Waterflooc	8073	State Lands	Rincon	Offshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34884	-119.4227	Well Summ	N	Y	11/14/1949	PluggedWF
-1	4.11E+08	Lease by Ca	A-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	22	03N	24W	SB	34.33256	-119.3846	GPS	N	N		PluggedOG
-1	4.11E+08	Hobson	A-1	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34892	-119.4214	hud	N	N		PluggedOG
-1	4.11E+08	Continenta	A-1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Rincon	Onshore	Ventura County	Northern	Ventura	22	03N	24W	SB	34.32925	-119.3851	hud	N	N		PluggedDH
-1	4.11E+08	Hobson	A-2	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34977	-119.4223	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	A-3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.33717	-119.3769	GPS	N	N		PluggedOG
-1	4.11E+08	Hobson	A-3	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.35066	-119.4232	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	A-7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33599	-119.3779	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	B-37-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	16	03N	24W	SB	34.34623	-119.4024	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	C-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34818	-119.4206	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	C-10A	Plugged	INJ	Injection	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34322	-119.4142	GPS	N	N	3/27/1951	PluggedINJ
-1	4.11E+08	Lease by Ca	C-7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Rincon	Onshore	Ventura County	Northern	Ventura	17	03N	24W	SB	34.34711	-119.4177	hud	N	N	7/11/1938	PluggedOG
-1	4.11E+08	Padre	S-18-W	Plugged	WD	Water Disp	M6900	Mobil Oil C	Rincon	Onshore	Ventura County	Northern	Ventura	15	03N	24W	SB	34.33714	-119.3888	hud	N	Y		PluggedWD
-1	4.11E+08	Hobson Sta	Unknown	New	OG	Oil & Gas	R2805	Rincon Isla	Rincon	Onshore	Ventura County	Northern	Ventura	8	03N	24W	SB	34.34973	-119.4236	Notice of Ir	N	N		NewOG
-1	4.11E+08	Rincon Del	1	Plugged	DH	Dry Hole	M2815	May Petrol	Rincon Creek (ABC	Any Area	Ventura County	Northern	Ventura	35	04N	25W	SB	34.38781	-119.4617	hud	N	N		PluggedDH
-1	4.11E+08	Del Mar	32-35	Plugged	OG	Oil & Gas	R2825	Rincon Oil	Rincon Creek (ABC	Any Area	Ventura County	Northern	Ventura	35	04N	25W	SB	34.38781	-119.4609	hud	N	Y	3/12/1982	PluggedOG
-1	4.11E+08	Del Mar	43-35	Plugged	DH	Dry Hole	E2650	Energetics	Rincon Creek (ABC	Any Area	Ventura County	Northern	Ventura	35	04N	25W	SB	34.38781	-119.4626	hud	N	N		PluggedDH
-1	4.11E+08	Grubb	364	Canceled	OG	Oil & Gas	C7800	Conoco Inc	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31679	-119.3574	hud	N	Y		CanceledOG
-1	4.11E+08	Grubb	382	Canceled	OG	Oil & Gas	V1350	Vintage Pe	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.3171	-119.357	GPS	N	N		CanceledOG
-1	4.11E+08	Grubb	811	Canceled	OG	Oil & Gas	C0885	California F	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32268	-119.3531	Operator	N	Y		CanceledOG
-1	4.11E+08	Grubb	812	Canceled	OG	Oil & Gas	C0885	California F	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32391	-119.3425	Operator	N	N		CanceledOG
-1	4.11E+08	Lease by Ca	102	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32332	-119.3524	GPS	N	Y	4/1/1961	IdleOG
-1	4.11E+08	Lease by Ca	103	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32177	-119.3563	GPS	N	N	2/29/1968	IdleWF
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31995	-119.3436	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	111	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32393	-119.3563	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	112	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32682	-119.3498	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	113	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32685	-119.3548	GPS	N	N	3/22/1975	IdleOG
-1	4.11E+08	Lease by Ca	114	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32505	-119.355	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	139	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32271	-119.3584	GPS	N	N	6/12/1945	IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31949	-119.3503	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	154	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32651	-119.3533	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	155	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32565	-119.3627	GPS	N	N	1/23/1970	IdleOG
-1	4.11E+08	Lease by Ca	156	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32661	-119.3532	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	160	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32162	-119.3562	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	163	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32706	-119.3498	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	166	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.31946	-119.3568	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	167	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32661	-119.3544	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32018	-119.349	GPS	N	N	7/25/1940	IdleOG
-1	4.11E+08	Lease by Ca	182	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31433	-119.3442	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32018	-119.3537	GPS	N	N		IdleWF

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	2	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32242	-119.3586	GPS	N	N	2/20/1933	IdleWF
-1	4.11E+08	Lease by Ca	20	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31985	-119.3524	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	205	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3192	-119.3443	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	206	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32339	-119.3452	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	208	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32041	-119.3384	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	209	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32063	-119.3416	GPS	N	Y	5/12/1987	IdleOG
-1	4.11E+08	Lease by Ca	210	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31942	-119.35	GPS	N	Y	8/1/1988	IdleOG
-1	4.11E+08	Lease by Ca	211	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3269	-119.3498	GPS	N	Y	7/24/1987	IdleWF
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32191	-119.3443	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	232	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3221	-119.3514	GPS	N	N	4/29/1944	IdleWF
-1	4.11E+08	Lease by Ca	233	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32054	-119.3529	GPS	N	N	7/16/1944	IdleWF
-1	4.11E+08	Lease by Ca	234	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31938	-119.34	GPS	N	N	7/9/1944	IdleOG
-1	4.11E+08	Lease by Ca	241	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32051	-119.3505	GPS	N	N	11/18/1945	IdleOG
-1	4.11E+08	Lease by Ca	243	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32034	-119.3434	GPS	N	N	10/3/1945	IdleOG
-1	4.11E+08	Lease by Ca	244	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32229	-119.3554	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	245	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32209	-119.3563	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31937	-119.3395	GPS	N	N	10/25/1941	IdleOG
-1	4.11E+08	Lease by Ca	250	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32077	-119.3417	GPS	N	N	7/3/1947	IdleWF
-1	4.11E+08	Lease by Ca	257	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3211	-119.3405	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	26	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32257	-119.3553	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	265	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32268	-119.3585	GPS	N	N	10/12/1951	IdleWF
-1	4.11E+08	Lease by Ca	27	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32388	-119.3572	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	270	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31792	-119.3387	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	273	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31727	-119.3412	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	275	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31556	-119.3407	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	276	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31773	-119.3446	GPS	N	N	6/5/1949	IdleWF
-1	4.11E+08	Lease by Ca	277	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31659	-119.3452	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	279	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31604	-119.343	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	284	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31454	-119.3382	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	287	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32016	-119.3537	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	289	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31702	-119.3433	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	295	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31671	-119.3373	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	296	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32571	-119.357	GPS	N	Y	10/5/1973	IdleOG
-1	4.11E+08	Lease by Ca	298	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31641	-119.342	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	299	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32292	-119.352	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32315	-119.3474	GPS	N	N	4/4/1979	IdleOG
-1	4.11E+08	Lease by Ca	300	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31725	-119.3508	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	303	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31657	-119.3451	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	304	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31679	-119.347	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	305	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31601	-119.343	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	306	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31446	-119.3349	GPS	N	N	8/30/1951	IdleWF
-1	4.11E+08	Lease by Ca	307	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31727	-119.3413	GPS	N	Y	7/20/1951	IdleOG
-1	4.11E+08	Lease by Ca	308	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31939	-119.34	GPS	N	Y	7/24/1951	IdleOG
-1	4.11E+08	Lease by Ca	309	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31691	-119.3395	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	310	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31821	-119.3387	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	311	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31694	-119.3382	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	312	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3153	-119.339	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	314	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3184	-119.3485	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	318	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32017	-119.3537	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	319	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32267	-119.3584	GPS	N	N	12/21/1951	IdleWF
-1	4.11E+08	Lease by Ca	322	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31401	-119.3403	GPS	N	N	2/13/1951	IdleWF
-1	4.11E+08	Lease by Ca	323	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32018	-119.3491	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	327	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31751	-119.3445	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	329	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31635	-119.342	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	333	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31746	-119.3524	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	334	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31721	-119.3519	GPS	N	Y	8/26/1981	IdleWF
-1	4.11E+08	Lease by Ca	336	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.31948	-119.3568	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	337	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31725	-119.352	GPS	N	Y	8/2/1981	IdleWF
-1	4.11E+08	Lease by Ca	338	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.31953	-119.3568	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	339	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31448	-119.3382	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	340	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31421	-119.3358	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	343	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32314	-119.3521	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	344	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32402	-119.3563	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	346	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31695	-119.3433	GPS	N	N	4/21/1991	IdleOG
-1	4.11E+08	Lease by Ca	35	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31461	-119.3442	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	351	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31568	-119.3427	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	352	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31334	-119.3396	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	353	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31436	-119.344	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	354	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31462	-119.3442	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	356	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31739	-119.3522	GPS	N	N	8/16/1973	IdleOG
-1	4.11E+08	Lease by Ca	357	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31797	-119.3577	GPS	N	Y	1/31/1974	IdleOG
-1	4.11E+08	Lease by Ca	359	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.3182	-119.3575	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	362	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31795	-119.358	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	363	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31833	-119.3576	GPS	N	N	10/4/1976	IdleOG
-1	4.11E+08	Lease by Ca	364	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31739	-119.3522	GPS	N	Y	7/23/1977	IdleOG
-1	4.11E+08	Lease by Ca	365	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31735	-119.3522	GPS	N	Y	1/12/1978	IdleOG
-1	4.11E+08	Lease by Ca	366	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31839	-119.3576	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	367	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31852	-119.3636	GPS	N	Y	6/19/1978	IdleOG
-1	4.11E+08	Lease by Ca	368	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31684	-119.357	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	369	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31437	-119.3441	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	37	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32512	-119.3549	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	370	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31661	-119.3572	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	372	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31725	-119.3521	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	374	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.318	-119.3577	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	375	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31505	-119.3563	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	376	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31506	-119.3564	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	380	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31727	-119.3523	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	384	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31511	-119.3565	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	387	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31554	-119.3426	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	391	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31511	-119.3393	GPS	N	Y	8/19/1990	IdleOG
-1	4.11E+08	Lease by Ca	392	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31517	-119.3393	GPS	N	Y	2/18/1990	IdleOG
-1	4.11E+08	Lease by Ca	396	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31468	-119.3443	GPS	N	N	11/7/1990	IdleOG
-1	4.11E+08	Lease by Ca	453	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32576	-119.3569	GPS	N	N	7/4/1958	IdleOG
-1	4.11E+08	Lease by Ca	454	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32594	-119.3569	GPS	N	N	10/11/1968	IdleWF
-1	4.11E+08	Lease by Ca	455	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32387	-119.3427	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	46	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32059	-119.3497	GPS	N	N	11/9/1948	IdleOG
-1	4.11E+08	Lease by Ca	462	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32692	-119.3566	GPS	N	Y	5/20/1969	IdleOG
-1	4.11E+08	Lease by Ca	463	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32682	-119.3566	GPS	N	Y	6/29/1969	IdleOG
-1	4.11E+08	Lease by Ca	49	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31954	-119.3385	GPS	N	N	1/2/1956	IdleWF
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31976	-119.3447	GPS	N	N	4/5/1936	IdleOG
-1	4.11E+08	Lease by Ca	50	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32037	-119.3384	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	502	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31952	-119.3365	GPS	N	N	8/14/1953	IdleWF
-1	4.11E+08	Lease by Ca	503	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31925	-119.3383	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	53	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32343	-119.3525	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	54	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32402	-119.3608	GPS	N	N	8/25/1947	IdleWF
-1	4.11E+08	Lease by Ca	55	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32008	-119.3395	GPS	N	N	9/20/1947	IdleOG
-1	4.11E+08	Lease by Ca	562	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32283	-119.3358	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	563	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32154	-119.3427	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	59	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31819	-119.3406	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	601	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31864	-119.3358	GPS	N	N	2/8/1953	IdleWF
-1	4.11E+08	Lease by Ca	602	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3209	-119.3359	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	603	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32221	-119.3358	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	604	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31962	-119.3368	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	605	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31822	-119.3409	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	608	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32111	-119.3405	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	609	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31912	-119.3442	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	610	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31893	-119.3439	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	62	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32332	-119.3472	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	63	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31818	-119.3387	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	64	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31814	-119.3424	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	66	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31756	-119.3448	GPS	N	N	1/10/1949	IdleOG
-1	4.11E+08	Lease by Ca	68	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31794	-119.3437	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	69	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31661	-119.3451	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31939	-119.3406	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	701	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.3186	-119.3357	GPS	N	N	8/25/1933	IdleOG
-1	4.11E+08	Lease by Ca	703	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32194	-119.3358	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	704	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32102	-119.3357	GPS	N	N	6/28/1959	IdleOG
-1	4.11E+08	Lease by Ca	705	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32035	-119.3385	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	706	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32079	-119.3417	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	707	Idle	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3206	-119.3414	GPS	N	N		IdleWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	709	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31907	-119.3381	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	71	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31643	-119.3421	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	24W	SB	34.31934	-119.3383	GPS	N	N	12/9/1937	IdleOG
-1	4.11E+08	Lease by Ca	805	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32392	-119.3426	GPS	N	Y	6/1/2008	IdleOG
-1	4.11E+08	Lease by Ca	93	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32576	-119.3627	GPS	N	Y	8/11/1964	IdleOG
-1	4.11E+08	Lease by Ca	95	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31689	-119.3398	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	96	Idle	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3153	-119.339	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	97	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32146	-119.3427	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	98	Idle	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32342	-119.3473	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	100	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32405	-119.3562	GPS	N	N	5/6/1980	ActiveWF
-1	4.11E+08	Lease by Ca	110	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32514	-119.3546	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	115	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32169	-119.3561	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	151	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32535	-119.3544	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	153	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.3258	-119.3571	GPS	N	Y	11/15/1969	ActiveOG
-1	4.11E+08	Lease by Ca	157	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32676	-119.3566	GPS	N	N	2/15/1970	ActiveOG
-1	4.11E+08	Lease by Ca	159	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32201	-119.3563	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	168	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32378	-119.3457	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	175	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31715	-119.3518	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	180	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31257	-119.3373	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	181	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31724	-119.3508	GPS	N	Y	11/18/1972	ActiveOG
-1	4.11E+08	Lease by Ca	200	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32041	-119.3502	GPS	N	Y	7/5/1979	ActiveWF
-1	4.11E+08	Lease by Ca	202	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31707	-119.3372	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	203	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32682	-119.3547	Well Summ	N	Y	6/14/2018	ActiveOG
-1	4.11E+08	Lease by Ca	204	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32235	-119.3516	GPS	N	Y	4/8/1982	ActiveOG
-1	4.11E+08	Lease by Ca	21	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32062	-119.3434	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	212	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32514	-119.3468	GPS	N	Y	8/25/1988	ActiveWF
-1	4.11E+08	Lease by Ca	214	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31942	-119.3367	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	22	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31941	-119.3416	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	231	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32038	-119.3455	GPS	N	N	1/17/1944	ActiveWF
-1	4.11E+08	Lease by Ca	236	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32354	-119.3564	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	242	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32037	-119.3486	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	248	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32033	-119.3402	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	280	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3184	-119.3486	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	29	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32222	-119.3455	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	301	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31799	-119.3436	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	315	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31937	-119.3476	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	316	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31942	-119.3502	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	317	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32067	-119.3528	GPS	N	N	10/21/1951	ActiveWF
-1	4.11E+08	Lease by Ca	321	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3194	-119.3416	Well Summ	N	Y	12/16/1951	ActiveWF
-1	4.11E+08	Lease by Ca	328	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31951	-119.3501	GPS	N	N	6/1/1981	ActiveOG
-1	4.11E+08	Lease by Ca	330	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31754	-119.3444	GPS	N	Y	7/21/1981	ActiveWF
-1	4.11E+08	Lease by Ca	332	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.3173	-119.3372	GPS	N	Y	4/4/1981	ActiveWF
-1	4.11E+08	Lease by Ca	341	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31543	-119.3406	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	345	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31948	-119.3367	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	358	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31811	-119.3578	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	360	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31837	-119.3577	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	361	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31823	-119.3579	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	377	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31827	-119.3577	GPS	N	N	10/12/1981	ActiveWF
-1	4.11E+08	Lease by Ca	378	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.3184	-119.3635	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	379	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32157	-119.3562	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	381	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31839	-119.3636	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	386	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32148	-119.3562	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	388	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31783	-119.3439	GPS	N	N	6/2/1990	ActiveOG
-1	4.11E+08	Lease by Ca	393	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31952	-119.3503	GPS	N	N	12/11/2007	ActiveOG
-1	4.11E+08	Lease by Ca	394	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31951	-119.3502	GPS	N	Y	1/30/2008	ActiveOG
-1	4.11E+08	Lease by Ca	395	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31477	-119.3443	GPS	N	N	2/8/1991	ActiveOG
-1	4.11E+08	Lease by Ca	397	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31951	-119.3502	GPS	N	N	3/26/2008	ActiveOG
-1	4.11E+08	Lease by Ca	398	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31951	-119.3501	Operator	N	Y	5/19/2008	ActiveOG
-1	4.11E+08	Lease by Ca	460	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32701	-119.3566	GPS	N	Y	4/5/1969	ActiveWF
-1	4.11E+08	Lease by Ca	501	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32093	-119.336	GPS	N	Y	7/26/1953	ActiveOG
-1	4.11E+08	Lease by Ca	564	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32034	-119.3452	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	58	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32292	-119.3519	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	606	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32119	-119.3377	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	67	Active	WF	Waterflooc	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31694	-119.3381	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by Ca	708	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32199	-119.3399	GPS	N	N		ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by C	74	Active	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31694	-119.3397	GPS	N	N		ActiveWF
-1	4.11E+08	Lease by C	801	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31826	-119.3396	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by C	802	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31903	-119.3368	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by C	803	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31904	-119.3368	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by C	806	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32364	-119.3451	GPS	N	Y	6/26/2008	ActiveOG
-1	4.11E+08	Lease by C	808	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32664	-119.3532	Operator	N	Y	10/7/2008	ActiveOG
-1	4.11E+08	Lease by C	809	Active	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32666	-119.3531	GPS	N	Y	11/4/2008	ActiveOG
-1	4.11E+08	Lease by C	81	Active	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31772	-119.3362	GPS	N	N	4/19/1950	ActiveWF
-1	4.11E+08	Lease by C	810	Active	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32343	-119.3454	Operator	N	N	8/14/2008	ActiveWF
-1	4.11E+08	Lease by C	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32261	-119.3566	hud	N	N	2/14/1931	PluggedOG
-1	4.11E+08	Taylor	1	Plugged	DH	Dry Hole	C5640	Chevron U.	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31187	-119.336	hud	N	N	6/12/1922	PluggedDH
-1	4.11E+08	Taylor	1-A	Plugged	DH	Dry Hole	C5640	Chevron U.	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31202	-119.3364	hud	N	N	1/13/1923	PluggedDH
-1	4.11E+08	Lease by C	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32027	-119.3484	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	104	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32211	-119.3437	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by C	12	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31855	-119.3448	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by C	13	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31953	-119.3482	GPS	N	N	11/15/1939	PluggedINJ
-1	4.11E+08	Lease by C	15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3202	-119.3512	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32082	-119.3522	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	17	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31894	-119.3498	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	171	Plugged	UNK	Unknown	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.31998	-119.3571	hud	N	Y		PluggedUNK
-1	4.11E+08	Lease by C	201	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32396	-119.3484	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by C	207	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32386	-119.3482	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	24	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32058	-119.3468	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	240	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3194	-119.3475	GPS	N	N	8/5/1946	PluggedOG
-1	4.11E+08	Lease by C	251	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31942	-119.3444	GPS	N	N	3/24/1947	PluggedWF
-1	4.11E+08	Lease by C	252	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31796	-119.3496	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by C	272	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31625	-119.3389	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by C	278	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32246	-119.3463	GPS	N	N	2/28/1950	PluggedINJ
-1	4.11E+08	Lease by C	28	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32689	-119.3596	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	283	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31562	-119.336	GPS	N	N	11/20/1950	PluggedOG
-1	4.11E+08	Lease by C	285	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31442	-119.3349	GPS	N	N		PluggedWF
-1	4.11E+08	Lease by C	286	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31479	-119.3472	hud	N	N		PluggedWF
-1	4.11E+08	Lease by C	288	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31866	-119.3358	GPS	N	N	5/1/1953	PluggedOG
-1	4.11E+08	Lease by C	290	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31544	-119.3525	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	291	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32181	-119.3609	hud	N	N	4/15/1952	PluggedOG
-1	4.11E+08	Lease by C	297	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31771	-119.3447	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by C	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32499	-119.358	hud	N	N	5/3/1934	PluggedOG
-1	4.11E+08	Lease by C	302	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31554	-119.3448	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	313	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31435	-119.3366	GPS	N	N	5/26/1953	PluggedWF
-1	4.11E+08	Lease by C	324	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.30822	-119.3357	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	325	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31855	-119.3436	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	326	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31617	-119.3519	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by C	331	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31603	-119.3392	GPS	N	Y	3/8/1980	PluggedWF
-1	4.11E+08	Lease by C	335	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31952	-119.3502	GPS	N	N		PluggedMulti
-1	4.11E+08	Lease by C	350	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31101	-119.3398	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by C	355	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.30511	-119.3372	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	371	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31499	-119.357	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	373	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	26	03N	24W	SB	34.31498	-119.3572	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	38	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32387	-119.3486	hud	N	N		PluggedWF
-1	4.11E+08	Lease by C	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32404	-119.3595	hud	N	N	3/28/1935	PluggedOG
-1	4.11E+08	Lease by C	47	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32138	-119.3517	hud	N	N		PluggedWF
-1	4.11E+08	Lease by C	504	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31516	-119.3372	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	506	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32216	-119.3357	Operator	N	N		PluggedOG
-1	4.11E+08	Lease by C	56	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.3208	-119.3467	hud	N	N	11/9/1947	PluggedWF
-1	4.11E+08	Lease by C	561	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32218	-119.3401	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	565	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32233	-119.3423	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	566	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32259	-119.3456	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	6	Plugged	INJ	Injection	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31941	-119.3427	GPS	N	N	12/3/1936	PluggedINJ
-1	4.11E+08	Lease by C	60	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31655	-119.3445	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	61	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31693	-119.3487	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	804	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32249	-119.3425	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	82	Plugged	WF	Waterfloo	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31559	-119.336	GPS	N	N	2/6/1951	PluggedWF
-1	4.11E+08	Lease by C	8A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	30	03N	24W	SB	34.31934	-119.3383	hud	N	N	10/1/1937	PluggedOG
-1	4.11E+08	Lease by C	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.31969	-119.3461	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	91-2A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	23	03N	24W	SB	34.32166	-119.3611	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by C	92	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	24	03N	24W	SB	34.32263	-119.3517	GPS	N	N	5/11/1961	PluggedOG
-1	4.11E+08	Lease by C	94	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.3125	-119.3556	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	99	Plugged	OG	Oil & Gas	E0455	CalNRG Op	San Miguelito	Any Area	Ventura County	Northern	Ventura	25	03N	24W	SB	34.31686	-119.3446	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by C	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23712	-119.1304	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	1	Idle	WD	Water Disp	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22931	-119.1383	GPS	N	Y		IdleWD
-1	4.11E+08	Lease by C	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22894	-119.1381	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22927	-119.1379	GPS	N	Y	10/16/1997	IdleOG
-1	4.11E+08	Lease by C	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23754	-119.1311	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	12A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23723	-119.1313	GPS	N	N	10/10/1996	IdleOG
-1	4.11E+08	Lease by C	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23711	-119.1311	GPS	N	Y	1/9/1997	IdleOG
-1	4.11E+08	Lease by C	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23705	-119.131	GPS	N	Y	2/13/1997	IdleOG
-1	4.11E+08	Lease by C	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23719	-119.1312	GPS	N	N	11/12/1996	IdleOG
-1	4.11E+08	Friedrich U	2	Idle	OG	Oil & Gas	T0800	Tenneco Oi	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.2292	-119.1381	Well Summ	N	Y	8/6/1973	IdleOG
-1	4.11E+08	Lease by C	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23716	-119.1312	GPS	N	Y	12/14/1996	IdleOG
-1	4.11E+08	Lease by C	2A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22938	-119.1384	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23695	-119.1309	GPS	N	Y	4/8/1997	IdleOG
-1	4.11E+08	Lease by C	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23714	-119.1305	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22918	-119.1381	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22935	-119.1383	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23718	-119.1306	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	4A	Idle	WD	Water Disp	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22931	-119.1383	GPS	N	N		IdleWD
-1	4.11E+08	Lease by C	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22928	-119.1382	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23724	-119.1306	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.2292	-119.1378	GPS	N	Y	5/2/1997	IdleOG
-1	4.11E+08	Lease by C	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23727	-119.1307	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.2291	-119.138	GPS	N	Y	7/29/1996	IdleOG
-1	4.11E+08	Lease by C	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23732	-119.1307	GPS	N	N		IdleOG
-1	4.11E+08	Lease by C	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22922	-119.1378	GPS	N	Y	7/15/1997	IdleOG
-1	4.11E+08	Lease by C	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22924	-119.1379	GPS	N	Y	8/4/1997	IdleOG
-1	4.11E+08	Lease by C	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23737	-119.1308	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23745	-119.1309	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by C	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23738	-119.1312	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by C	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23741	-119.1308	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by C	10	Active	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.2375	-119.131	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by C	15	Active	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.23701	-119.131	GPS	N	Y	3/5/1997	ActiveOG
-1	4.11E+08	Lease by C	9	Active	OG	Oil & Gas	E0455	CalNRG Op	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22917	-119.1378	GPS	N	Y	8/26/1997	ActiveOG
-1	4.11E+08	Edwards	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.24424	-119.1217	hud	N	N		PluggedDH
-1	4.11E+08	Sakioka	1	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.24648	-119.1175	hud	N	N		PluggedOG
-1	4.11E+08	Friedrich U	2	Plugged	OG	Oil & Gas	H6100	HCT Oil & C	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	25	02N	22W	SB	34.22857	-119.1379	hud	N	Y		PluggedOG
-1	4.11E+08	Sakioka	2	Plugged	OG	Oil & Gas	V1150	Venoco, LL	Santa Clara Avenu	Any Area	Ventura County	Northern	Ventura	19	02N	21W	SB	34.24641	-119.1173	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	1	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40213	-119.1423	hud	N	N		IdleOG
-1	4.11E+08	Aliso	1	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39997	-119.1823	hud	N	N		IdleOG
-1	4.11E+08	Anlauf	1	Idle	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41643	-119.0786	hud	N	N		IdleOG
-1	4.11E+08	Wheeler	24-Jan	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	24	04N	22W	SB	34.40714	-119.1446	hud	N	N	06/01/1888	IdleOG
-1	4.11E+08	Adams	10	Idle	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4093	-119.111	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	10	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40516	-119.1201	hud	N	N	04/12/1897	IdleOG
-1	4.11E+08	Wheeler	10	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	23	04N	22W	SB	34.40644	-119.1492	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	11	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40539	-119.1201	hud	N	N	05/06/1897	IdleOG
-1	4.11E+08	Wheeler	11	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40115	-119.1419	Unknown	N	N		IdleOG
-1	4.11E+08	Adams	11	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41132	-119.1051	hud	N	N		IdleOG
-1	4.11E+08	Adams	12	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4157	-119.1071	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	13	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40569	-119.1203	hud	N	N	07/12/1897	IdleOG
-1	4.11E+08	Wheeler	13	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40114	-119.1417	hud	N	N		IdleOG
-1	4.11E+08	Upper Salt	13	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.41267	-119.1234	hud	N	N		IdleOG
-1	4.11E+08	Adams	13	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41184	-119.1043	hud	N	N		IdleOG
-1	4.11E+08	Adams	14	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41283	-119.1027	hud	N	N	08/18/1887	IdleOG
-1	4.11E+08	Adams	15	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41407	-119.1021	hud	N	N		IdleOG
-1	4.11E+08	Adams	16	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41052	-119.1083	hud	N	N		IdleOG
-1	4.11E+08	Upper Salt	16	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.41253	-119.1238	hud	N	N		IdleOG
-1	4.11E+08	Slocum	16	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41843	-119.0935	hud	N	N	4/3/1910	IdleOG
-1	4.11E+08	Adams	17	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41067	-119.1107	hud	N	N		IdleOG
-1	4.11E+08	Slocum	18	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41835	-119.0909	hud	N	N		IdleOG
-1	4.11E+08	Adams	18	Idle	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.40879	-119.1145	hud	N	N		IdleOG
-1	4.11E+08	Slocum	1X	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41791	-119.0912	hud	N	N	1/1/1910	IdleOG
-1	4.11E+08	Anlauf	2	Idle	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.4182	-119.0781	hud	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Wheeler	2	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40231	-119.1416	hud	N	N		IdleOG
-1	4.11E+08	Adams	20	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41182	-119.1073	hud	N	N		IdleOG
-1	4.11E+08	Upper Salt	20	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.40956	-119.1221	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	21	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40473	-119.1232	hud	N	N	10/31/1921	IdleOG
-1	4.11E+08	Adams	22	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41264	-119.104	hud	N	N		IdleOG
-1	4.11E+08	Adams	23	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41294	-119.1077	hud	N	N		IdleOG
-1	4.11E+08	Adams	24	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41079	-119.1081	hud	N	N		IdleOG
-1	4.11E+08	Adams	25	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41212	-119.1047	hud	N	N		IdleOG
-1	4.11E+08	Adams	28	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4113	-119.1077	hud	N	N		IdleOG
-1	4.11E+08	Slocum	29	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41851	-119.0946	hud	N	N		IdleOG
-1	4.11E+08	Wheeler	3	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40276	-119.1415	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	3	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40472	-119.1211	hud	N	N		IdleOG
-1	4.11E+08	Wheeler	24-Mar	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	24	04N	22W	SB	34.4074	-119.1424	hud	N	N		IdleOG
-1	4.11E+08	Adams	30	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41207	-119.1068	hud	N	N		IdleOG
-1	4.11E+08	Adams	34	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41209	-119.1042	hud	N	N		IdleOG
-1	4.11E+08	Adams	35	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41068	-119.109	hud	N	N		IdleOG
-1	4.11E+08	Union-Whe	4	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40287	-119.1433	Well Summ	N	N	06/07/1888	IdleOG
-1	4.11E+08	Lower Salt	4	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40522	-119.1211	hud	N	N	12/07/1887	IdleOG
-1	4.11E+08	Wheeler	4	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40195	-119.141	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	5	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40598	-119.1195	hud	N	N	01/26/1889	IdleOG
-1	4.11E+08	Adams	5	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41412	-119.1005	hud	N	N	02/12/1886	IdleOG
-1	4.11E+08	Adams	6	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41373	-119.1007	hud	N	N	05/31/1886	IdleOG
-1	4.11E+08	Lower Salt	7	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40546	-119.1191	hud	N	N	07/09/1889	IdleOG
-1	4.11E+08	Adams	8	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41088	-119.107	hud	N	N	06/03/1889	IdleOG
-1	4.11E+08	Lower Salt	8	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40498	-119.1192	hud	N	N	10/17/1890	IdleOG
-1	4.11E+08	Wheeler	8	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40268	-119.1396	hud	N	N		IdleOG
-1	4.11E+08	Lower Salt	9	Idle	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40491	-119.1204	hud	N	N	03/03/1891	IdleOG
-1	4.11E+08	Unspecifie		Plugged	OG	Oil & Gas	3878	Hartford Oi	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.42479	-119.0624	hud	N	N		PluggedOG
-1	4.11E+08	Lease by U		Plugged	DH	Dry Hole	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39586	-119.1809	hud	N	N		PluggedDH
-1	4.11E+08	Adams Can		Plugged	OG	Oil & Gas	3549	Green Oil T	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41703	-119.1015	hud	N	N		PluggedOG
-1	4.11E+08	Hartman		Plugged	OG	Oil & Gas	150	Acquila Oil	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	20W	SB	34.42513	-119.0633	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	?	Plugged	DH	Dry Hole	8311	Thanksgivir	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	22W	SB	34.40171	-119.1689	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	?	Plugged	DH	Dry Hole	1228	California C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.4026	-119.0742	hud	N	N		PluggedDH
-1	4.11E+08	Humason	1	Plugged	OG	Oil & Gas	638	Barmore, S	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.41707	-119.0744	hud	N	N		PluggedOG
-1	4.11E+08	Jet	1	Plugged	DH	Dry Hole	8912	W. J. Johns	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40466	-119.0748	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	5310	Lewis & Jor	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42078	-119.0705	hud	N	N		PluggedOG
-1	4.11E+08	Analulf Bet	1	Plugged	DH	Dry Hole	4107	Huberand I	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42155	-119.0791	hud	N	N	1/13/1951	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4237	Internatior	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41857	-119.0809	hud	N	N		PluggedOG
-1	4.11E+08	Smith-Farn	1	Plugged	OG	Oil & Gas	A3100	M. G. Anlac	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41819	-119.0816	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3181	G C Thomp	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.42439	-119.0642	GPS	N	N		PluggedOG
-1	4.11E+08	Z. & B.	1	Plugged	DH	Dry Hole	N0825	Neaves Pet	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40562	-119.0676	hud	N	N	9/23/1952	PluggedDH
-1	4.11E+08	Temple	1	Plugged	DH	Dry Hole	7486	Russel R. Tı	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.4206	-119.0659	hud	N	N		PluggedDH
-1	4.11E+08	Drown (har	1	Plugged	OG	Oil & Gas	4799	Joseph W. I	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40659	-119.0608	hud	N	N		PluggedOG
-1	4.11E+08	Willoughby	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	32	04N	22W	SB	34.38176	-119.2011	hud	N	Y		PluggedOG
-1	4.11E+08	Henderson	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40124	-119.1431	hud	N	N		PluggedOG
-1	4.11E+08	Old Adams	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41261	-119.1024	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41665	-119.0943	hud	N	N	08/30/1899	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4494	J. W. Mosh	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.41966	-119.0766	hud	N	N		PluggedOG
-1	4.11E+08	Anlauf	1	Plugged	OG	Oil & Gas	9424	Crestmoun	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41811	-119.0803	hud	N	N		PluggedOG
-1	4.11E+08	Paula	1	Plugged	OG	Oil & Gas	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42219	-119.069	hud	N	N		PluggedOG
-1	4.11E+08	Pure	1	Plugged	OG	Oil & Gas	I0600	Inter-Amer	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42224	-119.0688	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4889	Kemper Oil	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.4045	-119.0745	hud	N	N		PluggedOG
-1	4.11E+08	Mupu	1	Plugged	DH	Dry Hole	8912	W. J. Johns	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40417	-119.0749	hud	N	N		PluggedDH
-1	4.11E+08	Green Oil	1	Plugged	OG	Oil & Gas	8764	Ventura Pe	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	24	04N	22W	SB	34.40775	-119.142	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	3782	Hardison &	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40204	-119.1349	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	7203	Red Rock C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40285	-119.1337	hud	N	N		PluggedDH
-1	4.11E+08	McCloskey	1	Plugged	OG	Oil & Gas	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42188	-119.0655	hud	N	N		PluggedOG
-1	4.11E+08	Anlauf	1	Plugged	OG	Oil & Gas	W1725	Western Di	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41877	-119.0825	GPS	N	N		PluggedOG
-1	4.11E+08	Midway Pe	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40564	-119.1193	hud	N	N		PluggedOG
-1	4.11E+08	Green Oil V	1	Plugged	DH	Dry Hole	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	22W	SB	34.41638	-119.1041	hud	N	N		PluggedDH
-1	4.11E+08	Adams Unk	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41624	-119.1006	hud	N	N		PluggedOG
-1	4.11E+08	Adams	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41261	-119.1021	hud	N	N		PluggedOG
-1	4.11E+08	Lower Salt	1	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.405	-119.12	hud	N	N	11/01/1887	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3782	Hardison &	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.39939	-119.1207	hud	N	N		PluggedDH
-1	4.11E+08	Ex-Mission	1	Plugged	DH	Dry Hole	988	Bush Oil Cc	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4097	-119.1116	hud	N	Y		PluggedDH

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	G & S	1	Plugged	DH	Dry Hole	3178	G & S Expl.	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40461	-119.0755	hud	N	N		PluggedDH
-1	4.11E+08	Unknown	1	Plugged	OG	Oil & Gas	8677	Unknown (	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.4222	-119.0713	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	9512	Arthur App	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40457	-119.0633	hud	N	N		PluggedDH
-1	4.11E+08	Lottie B. M	1	Plugged	OG	Oil & Gas	5733	Martin Oil (	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.42499	-119.0647	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	10	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39558	-119.1809	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	10	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41707	-119.0907	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42118	-119.0701	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	11	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41605	-119.0921	hud	N	N		PluggedOG
-1	4.11E+08	Upper Salt	11	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.4122	-119.1219	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	12	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.4018	-119.1417	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	12	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41717	-119.0914	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	13	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.4161	-119.091	hud	N	N		PluggedOG
-1	4.11E+08	Upper Salt	14	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.41235	-119.1229	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	14	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.4011	-119.1426	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	14	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41606	-119.0925	hud	N	N		PluggedOG
-1	4.11E+08	Upper Salt	15	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.41212	-119.1239	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	15	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41859	-119.092	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	15	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40248	-119.1426	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	16	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40228	-119.14	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	17	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40307	-119.1403	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	17	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41702	-119.0929	hud	N	N	7/23/1917	PluggedOG
-1	4.11E+08	Wheeler	18	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	23	04N	22W	SB	34.41129	-119.1454	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	19	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41853	-119.09	hud	N	N	3/1/1918	PluggedOG
-1	4.11E+08	Adams	19	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41354	-119.1045	hud	N	N		PluggedOG
-1	4.11E+08	Adams	2	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4122	-119.1022	hud	N	N		PluggedOG
-1	4.11E+08	Smith Farm	2	Plugged	DH	Dry Hole	A3100	M. G. Anlau	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41659	-119.0813	hud	N	N		PluggedDH
-1	4.11E+08	Anlauf	2	Plugged	DH	Dry Hole	B6730	E. B. Brook	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41865	-119.0822	hud	N	N		PluggedDH
-1	4.11E+08	Paula	2	Plugged	WD	Water Disp	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42222	-119.0703	hud	N	N		PluggedWD
-1	4.11E+08	Unspecifie	2	Plugged	DH	Dry Hole	7203	Red Rock C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	24	04N	22W	SB	34.40432	-119.1349	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	3782	Hardison &	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.39981	-119.1213	hud	N	N		PluggedDH
-1	4.11E+08	Jet	2	Plugged	DH	Dry Hole	8912	W. J. Johns	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	21W	SB	34.40292	-119.0723	hud	N	N		PluggedDH
-1	4.11E+08	McCloskey	2	Plugged	WD	Water Disp	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42172	-119.0652	hud	N	N		PluggedWD
-1	4.11E+08	Slocum	2	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41687	-119.0937	hud	N	N	12/07/1899	PluggedOG
-1	4.11E+08	Lower Salt	2	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40591	-119.1189	hud	N	N	12/01/1887	PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	6059	Monticello	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41885	-119.082	hud	N	N	10/1/1927	PluggedOG
-1	4.11E+08	Jocko	2	Plugged	OG	Oil & Gas	2865	F. Robert R	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42232	-119.0794	hud	N	N		PluggedOG
-1	4.11E+08	Pure	2	Plugged	OG	Oil & Gas	I0600	Inter-Amer	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.4229	-119.0689	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	2	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39766	-119.1813	hud	N	N		PluggedOG
-1	4.11E+08	Adams Unk	2	Plugged	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.40822	-119.2044	hud	N	N		PluggedOG
-1	4.11E+08	Ex-Mission	2	Plugged	OG	Oil & Gas	I0550	Inland Petr	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41089	-119.094	hud	N	Y	8/23/1975	PluggedOG
-1	4.11E+08	Midway Pe	2	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40547	-119.1203	hud	N	N		PluggedOG
-1	4.11E+08	Smith-Farm	2	Plugged	OG	Oil & Gas	A3100	M. G. Anlau	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41663	-119.0814	hud	N	N		PluggedOG
-1	4.11E+08	Union-Whe	2	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40216	-119.1428	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	324	American \	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42082	-119.0708	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	20	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41845	-119.0897	hud	N	N	6/3/1916	PluggedOG
-1	4.11E+08	Adams	21	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41138	-119.1063	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	21	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41814	-119.09	hud	N	N	8/13/1914	PluggedOG
-1	4.11E+08	Slocum	22	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.4186	-119.0904	hud	N	N	9/20/1914	PluggedOG
-1	4.11E+08	Slocum	23	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41656	-119.0933	hud	N	N	2/11/1915	PluggedOG
-1	4.11E+08	Slocum	24	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41734	-119.092	hud	N	N	5/1/1917	PluggedOG
-1	4.11E+08	Slocum	25	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41628	-119.0947	hud	N	N		PluggedOG
-1	4.11E+08	Adams	26	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41067	-119.1078	hud	N	N		PluggedOG
-1	4.11E+08	Adams	27	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41063	-119.1072	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	27	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4192	-119.095	hud	N	N		PluggedOG
-1	4.11E+08	Adams	29	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41126	-119.1081	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	3	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41714	-119.0948	hud	N	N	4/1/1900	PluggedOG
-1	4.11E+08	McCloskey	3	Plugged	OG	Oil & Gas	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42209	-119.0645	hud	N	N		PluggedOG
-1	4.11E+08	Paula	3	Plugged	OG	Oil & Gas	S4300	Estate of G	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.4203	-119.0733	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	3	Plugged	OG	Oil & Gas	9279	Willis W. Bi	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42055	-119.0816	hud	N	N	1/23/1928	PluggedOG
-1	4.11E+08	Adams	3	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41249	-119.1026	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	3	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39689	-119.1806	hud	N	N		PluggedOG
-1	4.11E+08	Arnett	3	Plugged	OG	Oil & Gas	I0600	Inter-Amer	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.42291	-119.068	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	5310	Lewis & Jor	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.41967	-119.0718	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	3	Plugged	DH	Dry Hole	7203	Red Rock C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	24	04N	22W	SB	34.4051	-119.1343	hud	N	N		PluggedDH
-1	4.11E+08	Slocum	30	Plugged	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41456	-119.0939	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Adams	31	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41103	-119.1082	hud	N	N		PluggedOG
-1	4.11E+08	Adams	32	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41187	-119.1029	hud	N	N		PluggedOG
-1	4.11E+08	Adams	33	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41137	-119.1036	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	34	Plugged	OG	Oil & Gas	628	Bard Oil & .	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4366	-119.125	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	34	Plugged	OG	Oil & Gas	628	Bard Oil & .	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4366	-119.125	hud	N	N		PluggedOG
-1	4.11E+08	Ex-Mission	3A	Plugged	OG	Oil & Gas	I0550	Inland Petr	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41094	-119.0932	hud	N	N	5/11/1976	PluggedOG
-1	4.11E+08	Paula	4	Plugged	DH	Dry Hole	3394	George W.	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42003	-119.0732	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	4	Plugged	OG	Oil & Gas	324	American \	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.4212	-119.0705	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	4	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39627	-119.1807	hud	N	N		PluggedOG
-1	4.11E+08	McCloskey	4	Plugged	OG	Oil & Gas	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42214	-119.0675	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	A3100	M. G. Anlac	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42	-119.0828	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	4	Plugged	OG	Oil & Gas	A3100	M. G. Anlac	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42002	-119.0829	hud	N	N		PluggedOG
-1	4.11E+08	Adams	4	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41364	-119.1014	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	4	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41667	-119.0949	hud	N	N	11/4/1900	PluggedOG
-1	4.11E+08	Ex-Mission	4	Plugged	DH	Dry Hole	H5710	Howard Oil	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41191	-119.0941	hud	N	N		PluggedDH
-1	4.11E+08	Adams	40	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41106	-119.1079	hud	N	N		PluggedOG
-1	4.11E+08	Adams	41	Plugged	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.40914	-119.1136	hud	N	N		PluggedOG
-1	4.11E+08	Adams	42	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.4102	-119.1142	hud	N	N		PluggedOG
-1	4.11E+08	Adams	44	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41177	-119.1054	hud	N	N		PluggedOG
-1	4.11E+08	Adams	48	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41085	-119.1048	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	5	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40261	-119.1406	hud	N	N		PluggedOG
-1	4.11E+08	Paula	5	Plugged	WD	Water Disp	H2075	D. J. Hatfiel	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42224	-119.0711	hud	N	N		PluggedWD
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	A3100	M. G. Anlac	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41999	-119.0816	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	5	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	22W	SB	34.39872	-119.1772	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	5	Plugged	OG	Oil & Gas	A3100	M. G. Anlac	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42033	-119.0818	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	5	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41808	-119.0944	hud	N	N	01/01/1891	PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	5310	Lewis & Jor	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.41911	-119.0719	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	324	American \	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42167	-119.0697	hud	N	N		PluggedOG
-1	4.11E+08	Lower Salt	6	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	21W	SB	34.40482	-119.1227	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	6	Plugged	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41655	-119.094	hud	N	N	5/6/1902	PluggedOG
-1	4.11E+08	Wheeler	6	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40181	-119.1426	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	6	Plugged	OG	Oil & Gas	6744	Per-Col Oil	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.42075	-119.0821	hud	N	N	5/15/1935	PluggedOG
-1	4.11E+08	Survey Wel	63	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41693	-119.0947	hud	N	N		PluggedOG
-1	4.11E+08	Survey Wel	67	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41669	-119.0946	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	7	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41656	-119.0935	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	7	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.3966	-119.1813	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	7	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40198	-119.1421	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	324	American \	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42157	-119.0704	hud	N	N		PluggedOG
-1	4.11E+08	Anlauf	7	Plugged	OG	Oil & Gas	4445	J. Oscar Sm	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41909	-119.0813	hud	N	N		PluggedOG
-1	4.11E+08	Adams	7	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.4123	-119.1034	Well Summ	N	N	04/09/1885	PluggedOG
-1	4.11E+08	Upper Salt	7	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.41272	-119.1221	hud	N	N		PluggedOG
-1	4.11E+08	Survey Wel	77	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41662	-119.0952	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	324	American \	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42142	-119.0715	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	2865	F. Robert R	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41933	-119.0796	hud	N	N		PluggedOG
-1	4.11E+08	Aliso	8	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	22W	SB	34.39843	-119.1791	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	8	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41701	-119.0958	hud	N	N		PluggedOG
-1	4.11E+08	E. P. Clark	8	Plugged	DH	Dry Hole	A4550	Arco Weste	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	15	04N	21W	SB	34.42319	-119.0676	hud	N	N	7/29/1949	PluggedDH
-1	4.11E+08	Aliso	9	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	27	04N	22W	SB	34.39746	-119.1785	hud	N	N		PluggedOG
-1	4.11E+08	Wheeler	9	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	21W	SB	34.40248	-119.1409	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	6711	Paula Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	22	04N	21W	SB	34.42045	-119.071	hud	N	N		PluggedOG
-1	4.11E+08	Adams	9	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	19	04N	21W	SB	34.40975	-119.1143	hud	N	N		PluggedOG
-1	4.11E+08	Slocum	9	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41925	-119.0913	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	A	Plugged	OG	Oil & Gas	7885	Sisar Oil & .	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	21W	SB	34.4326	-119.1209	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	B	Plugged	OG	Oil & Gas	7885	Sisar Oil & .	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	18	04N	21W	SB	34.43199	-119.1204	hud	N	N		PluggedOG
-1	4.11E+08	Boarding H	TUNNEL	Plugged	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41146	-119.112	hud	N	N		PluggedOG
-1	4.11E+08	Upper Salt	TUNNELS	Plugged	OG	Oil & Gas	U0200	Union Oil C	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	30	04N	22W	SB	34.41222	-119.1211	Unknown	N	N		PluggedOG
-1	4.11E+08	Adams Can	Unknown	Plugged	OG	Oil & Gas	8677	Unknown (	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	20	04N	21W	SB	34.41518	-119.1038	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	Unknown	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.39745	-119.1821	hud	N	N		PluggedOG
-1	4.11E+08	Ex-Mission	X-11	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	28	04N	22W	SB	34.40558	-119.0863	hud	N	N		PluggedOG
-1	4.11E+08	Ex-Mission	X-12	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41007	-119.0884	hud	N	N		PluggedOG
-1	4.11E+08	Ex-Mission	X-13	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	21	04N	21W	SB	34.41957	-119.0917	hud	N	N		PluggedOG
-1	4.11E+08	Ex-Mission	X-4	Plugged	DH	Dry Hole	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.39802	-119.1425	hud	N	N		PluggedDH
-1	4.11E+08	Ex-Mission	X-5	Plugged	DH	Dry Hole	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	26	04N	22W	SB	34.39179	-119.1581	hud	N	N		PluggedDH
-1	4.11E+08	Ex-Mission	X-7	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	33	04N	22W	SB	34.38889	-119.1925	hud	N	N	6/2/1952	PluggedOG
-1	4.11E+08	Ex-Mission	X-8	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	25	04N	22W	SB	34.40196	-119.1405	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Ex-Mission	X-9	Plugged	OG	Oil & Gas	C0885	California F	Santa Paula (ABD)	Any Area	Ventura County	Northern	Ventura	24	04N	22W	SB	34.40604	-119.1408	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	101	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35985	-118.7103	GPS	N	N	8/8/1963	IdleOG
-1	4.11E+08	Lease by Ca	102	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.3598	-118.7001	GPS	N	N	8/30/1954	IdleOG
-1	4.11E+08	Lease by Ca	103	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.36102	-118.7132	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	104	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.36102	-118.7103	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	105	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.36041	-118.7151	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	106	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.36121	-118.7168	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	107	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.36161	-118.7076	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	108	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35775	-118.7218	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	109	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35821	-118.7137	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	110	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.36084	-118.7037	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	111	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.36076	-118.7037	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	112	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35784	-118.7219	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	113	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35691	-118.7259	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	114	Idle	WD	Water Disp	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35801	-118.7077	GPS	N	Y	5/12/1969	IdleWD
-1	4.11E+08	Lease by Ca	115	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35781	-118.7234	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	116	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35681	-118.7262	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	119	Idle	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.36142	-118.708	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	120	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.36126	-118.7167	GPS	N	N		PluggedOG
-1	4.11E+08	Simi	28	Plugged	DH	Dry Hole	U0200	Union Oil C	Santa Susana	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.36071	-118.7101	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	10	Idle	WF	Waterfloo	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30995	-119.1094	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29678	-119.1291	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32241	-119.0904	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31425	-119.1035	GPS	N	Y	2/2/1957	IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31138	-119.1067	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd-Butle	6-Feb	Idle	OG	Oil & Gas	P1650	Peak Opera	Saticoy	South	Ventura County	Northern	Ventura	6	02N	21W	SB	34.28305	-119.1298	GPS	N	Y	10/19/1987	IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.2955	-119.1298	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd-Butle	24-6	Idle	OG	Oil & Gas	P1650	Peak Opera	Saticoy	South	Ventura County	Northern	Ventura	6	02N	21W	SB	34.27702	-119.1252	GPS	N	Y	11/21/1983	IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32574	-119.0851	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	27	Idle	WF	Waterfloo	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30145	-119.1254	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30275	-119.1251	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32142	-119.0926	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	WF	Waterfloo	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30426	-119.1212	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	31	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	28	03N	21W	SB	34.31717	-119.0965	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29689	-119.1292	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	34	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32155	-119.0926	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	40	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32814	-119.0816	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	44	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	28	03N	21W	SB	34.31884	-119.0949	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31666	-119.0975	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	50	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32542	-119.0851	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	52	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32124	-119.0907	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	53	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32245	-119.0893	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	57	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32036	-119.0963	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	59	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31657	-119.0991	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30383	-119.1193	hud	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.31905	-119.0937	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	31	Active	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29784	-119.1275	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	33	Active	WF	Waterfloo	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30869	-119.1087	GPS	N	Y		ActiveWF
-1	4.11E+08	Lease by Ca	41	Active	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32712	-119.0831	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	43	Active	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32761	-119.0826	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	49	Active	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32367	-119.0873	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	51	Active	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32737	-119.0828	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	54	Active	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32133	-119.0906	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	7	Active	WF	Waterfloo	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31031	-119.1097	GPS	N	Y		ActiveWF
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30645	-119.1168	GPS	N	N		PluggedOG
-1	4.11E+08	Edwards Ra	1	Plugged	DH	Dry Hole	5722	Marline Oil	Saticoy	Any Area	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29357	-119.1236	hud	N	N		PluggedDH
-1	4.11E+08	Atlantic-Sta	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30768	-119.1105	hud	N	Y	5/8/1956	PluggedOG
-1	4.11E+08	Lloyd-Butle	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Saticoy	South	Ventura County	Northern	Ventura	6	02N	21W	SB	34.28391	-119.1292	hud	N	N		PluggedDH
-1	4.11E+08	A.S. Edwar	1	Plugged	DH	Dry Hole	7664	Santa Fe Dr	Saticoy	Any Area	Ventura County	Northern	Ventura	6	02N	21W	SB	34.28953	-119.132	hud	N	N	3/15/1960	PluggedDH
-1	4.11E+08	Santa Paula	1	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32243	-119.0911	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	1	Plugged	DH	Dry Hole	D0950	Davis Oil C	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30315	-119.1275	hud	N	Y	7/14/1967	PluggedDH
-1	4.11E+08	Edwards	10	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30433	-119.121	hud	N	N		PluggedOG
-1	4.11E+08	Standard-S	102	Plugged	OG	Oil & Gas	C5640	Chevron U.	Saticoy	Any Area	Ventura County	Northern	Ventura	31	03N	21W	SB	34.298	-119.1164	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29776	-119.1275	GPS	N	N		PluggedMulti
-1	4.11E+08	S.P.S.	11	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30965	-119.1093	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	S.P.S.	12	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31398	-119.1064	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	12	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29687	-119.131	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	13	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30527	-119.118	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	WF	Waterflood	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31649	-119.0997	GPS	N	Y		PluggedWF
-1	4.11E+08	Edwards	14	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30244	-119.1251	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	14	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	28	03N	21W	SB	34.31734	-119.0955	hud	N	Y		PluggedOG
-1	4.11E+08	Edwards	16	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30045	-119.1286	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	16	Plugged	OG	Oil & Gas	C9035	Crimson Re	Saticoy	Any Area	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31053	-119.1077	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	17	Plugged	UNK	Unknown	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30092	-119.1266	Well Summ	N	Y		PluggedUNK
-1	4.11E+08	Edwards	18	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29886	-119.1303	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	18	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31561	-119.0975	hud	N	Y		PluggedOG
-1	4.11E+08	Edwards	19	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.2947	-119.1316	hud	N	Y		PluggedOG
-1	4.11E+08	Edwards	2	Plugged	Multi	Multi-Purp	C9035	Crimson Re	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30762	-119.1163	hud	N	N		PluggedMulti
-1	4.11E+08	S.P.S.	2	Plugged	OG	Oil & Gas	C9035	Crimson Re	Saticoy	Any Area	Ventura County	Northern	Ventura	29	03N	21W	SB	34.3115	-119.1064	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	20	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30275	-119.1242	GPS	N	N		PluggedOG
-1	4.11E+08	S.P.S.	20	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32458	-119.087	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	21	Plugged	OG	Oil & Gas	W1980	Whiting Pe	Saticoy	Any Area	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31186	-119.1065	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	21	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29538	-119.1321	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	22	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.2927	-119.1317	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	22	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.3106	-119.1085	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	23	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30609	-119.121	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	23	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	28	03N	21W	SB	34.31762	-119.0952	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	24	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31568	-119.0982	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	25	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32308	-119.0882	hud	N	Y		PluggedOG
-1	4.11E+08	Edwards	25	Plugged	OG	Oil & Gas	C9035	Crimson Re	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30135	-119.1251	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	26	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30553	-119.1169	GPS	N	N		PluggedMulti
-1	4.11E+08	S.P.S.	27	Plugged	INJ	Injection	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31546	-119.1033	hud	N	Y		PluggedINJ
-1	4.11E+08	Edwards	29	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.3041	-119.1233	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	29	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31528	-119.1046	GPS	N	N		PluggedOG
-1	4.11E+08	Atlantic-Sta	2A	Plugged	OG	Oil & Gas	C5640	Chevron U.	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30834	-119.111	hud	N	N	9/9/1964	PluggedOG
-1	4.11E+08	S.P.S.	3	Plugged	OG	Oil & Gas	C9035	Crimson Re	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31354	-119.1049	hud	N	N		PluggedOG
-1	4.11E+08	Atlantic-Sta	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30698	-119.1118	hud	N	Y	7/12/1956	PluggedOG
-1	4.11E+08	Edwards	30	Plugged	OG	Oil & Gas	C9035	Crimson Re	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30001	-119.1261	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	30	Plugged	OG	Oil & Gas	C9035	Crimson Re	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31211	-119.1034	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	32	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31579	-119.1003	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	35	Plugged	DH	Dry Hole	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31562	-119.1012	hud	N	Y		PluggedDH
-1	4.11E+08	S.P.S.	36	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33028	-119.0794	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	37	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32927	-119.0799	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	38	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.31986	-119.0927	hud	N	N	1/19/1960	PluggedOG
-1	4.11E+08	S.P.S.	39	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32291	-119.0884	hud	N	N		PluggedOG
-1	4.11E+08	Atlantic-Sta	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.3078	-119.1124	hud	N	Y	8/15/1956	PluggedOG
-1	4.11E+08	S.P.S.	4	Plugged	WF	Waterflood	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31553	-119.1015	hud	N	N		PluggedWF
-1	4.11E+08	Edwards	4	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30835	-119.1153	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	42	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.3313	-119.0807	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	45	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32655	-119.0845	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	46	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31656	-119.0985	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	47	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32528	-119.0857	hud	N	Y		PluggedOG
-1	4.11E+08	S.P.S.	48	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32795	-119.0777	hud	N	N		PluggedOG
-1	4.11E+08	Atlantic-Sta	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30844	-119.1118	hud	N	Y	7/1/1968	PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.30603	-119.1133	GPS	N	N		PluggedOG
-1	4.11E+08	S.P.S.	55	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32163	-119.0924	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	56	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	21	03N	21W	SB	34.32289	-119.0886	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.3122	-119.1059	Well Summ	N	Y	4/30/1956	PluggedOG
-1	4.11E+08	Edwards	6	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.30124	-119.1256	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	60	Plugged	OG	Oil & Gas	U0200	Union Oil C	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31571	-119.0979	hud	N	N		PluggedOG
-1	4.11E+08	S.P.S.	8	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	29	03N	21W	SB	34.31057	-119.11	hud	N	N		PluggedOG
-1	4.11E+08	Edwards	8	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	31	03N	21W	SB	34.29965	-119.1262	hud	N	Y		PluggedOG
-1	4.11E+08	Edwards	9	Plugged	OG	Oil & Gas	S0450	Sage-Califo	Saticoy	Main	Ventura County	Northern	Ventura	30	03N	21W	SB	34.30548	-119.1158	hud	N	N		PluggedOG
-1	4.11E+08	Cook-Feder	1	Canceled	OG	Oil & Gas	V0725	Vaquero Er	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45937	-118.91	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Strand	29-Oct	Canceled	OG	Oil & Gas	S2630	Seneca Res	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	18W	SB	34.49583	-118.896	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Strand	13-29	Canceled	OG	Oil & Gas	S2630	Seneca Res	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49583	-118.8961	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Anza Moha	23-29	Canceled	OG	Oil & Gas	S2630	Seneca Res	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48961	-118.8969	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Anza Moha	24-29	Canceled	OG	Oil & Gas	S2630	Seneca Res	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48965	-118.8969	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Higgins	4	Canceled	OG	Oil & Gas	F1450	Fortune Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50233	-118.8819	hud	N	N	2/21/1967	CanceledOG
-1	4.11E+08	Tar Creek	55-28	Canceled	OG	Oil & Gas	V1350	Vintage Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49471	-118.8764	hud	N	N		CanceledOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Rossi	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47046	-118.871	GPS	N	Y	9/13/1967	IdleOG
-1	4.11E+08	Strand	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48497	-118.8962	GPS	N	N	9/30/1965	IdleOG
-1	4.11E+08	Maple Cree	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.48009	-118.8897	hud	N	N		IdleOG
-1	4.11E+08	T.G. - R.R.	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49291	-118.8863	GPS	N	Y	12/9/1976	IdleOG
-1	4.11E+08	Hi-Ko	1	Idle	WS	Water Sour	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	19	05N	19W	SB	34.50824	-118.9028	hud	N	Y	6/19/1954	IdleWS
-1	4.11E+08	Alamo	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	31	05N	19W	SB	34.46884	-118.9119	hud	N	N		IdleOG
-1	4.11E+08	Hogshead	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47606	-118.8891	hud	N	N		IdleOG
-1	4.11E+08	Frankel	1	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48077	-118.8805	GPS	N	Y	3/11/1965	IdleWD
-1	4.11E+08	Sunset	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	21	05N	19W	SB	34.51022	-118.8802	hud	N	N		IdleOG
-1	4.11E+08	White Star	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47567	-118.8839	hud	N	N		IdleOG
-1	4.11E+08	Hansen-U.S	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47458	-118.8921	GPS	N	N	6/1/1954	IdleOG
-1	4.11E+08	Supreme	1	Idle	OG	Oil & Gas	2699	Estate of A	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4676	-118.9338	hud	N	N	3/17/1935	IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	7785	Sespe Explo	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47453	-118.8859	hud	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	8093	Stockholde	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48452	-118.8716	hud	N	N		IdleOG
-1	4.11E+08	Frankel B	1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47614	-118.8678	GPS	N	N	2/17/1968	IdleOG
-1	4.11E+08	Central	1	Idle	OG	Oil & Gas	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45815	-118.9232	GPS	N	N		IdleOG
-1	4.11E+08	Thirty Six	1	Idle	OG	Oil & Gas	P3875	Freeport-M	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	36	05N	20W	SB	34.47653	-118.9271	hud	N	N		IdleOG
-1	4.11E+08	Nellie Bell	10	Idle	OG	Oil & Gas	O2120	Orchard E&	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46698	-118.9179	GPS	N	Y		IdleOG
-1	4.11E+08	White Star	10	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47729	-118.8833	hud	N	N		IdleOG
-1	4.11E+08	Rossi	10	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46856	-118.8625	GPS	N	Y	10/19/1976	IdleOG
-1	4.11E+08	Unspecifie	11	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45279	-118.9209	hud	N	N		IdleOG
-1	4.11E+08	Central	11	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45676	-118.9143	GPS	N	N	7/17/1963	IdleOG
-1	4.11E+08	Rossi	11	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46855	-118.8626	GPS	N	Y	9/2/1978	IdleOG
-1	4.11E+08	Star	11	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4577	-118.9215	Well Summ	N	N	10/28/1954	IdleOG
-1	4.11E+08	Topa Topa	Nov-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48078	-118.8832	GPS	N	N	3/27/1965	IdleOG
-1	4.11E+08	Topa Topa	11A-33	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48073	-118.8834	GPS	N	N	3/21/1966	IdleWD
-1	4.11E+08	Frankel B	12	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47616	-118.8677	GPS	N	Y	7/2/1976	IdleOG
-1	4.11E+08	Rossi	13	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46854	-118.8622	GPS	N	Y	10/8/1987	IdleOG
-1	4.11E+08	White Star	14	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47605	-118.8814	hud	N	N		IdleOG
-1	4.11E+08	Kentuck	14	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45866	-118.9235	hud	N	N		IdleOG
-1	4.11E+08	Star	14	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45896	-118.922	Well Summ	N	N	2/21/1937	IdleOG
-1	4.11E+08	White Star	15-33	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47451	-118.8824	GPS	N	N	6/1/1964	IdleWD
-1	4.11E+08	White Star	15-S-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47393	-118.8839	GPS	N	Y	7/11/1965	IdleOG
-1	4.11E+08	White Star	16	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47466	-118.8828	hud	N	N	4/14/1917	IdleOG
-1	4.11E+08	Twilight	16	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	21	05N	19W	SB	34.49918	-118.8832	hud	N	N		IdleOG
-1	4.11E+08	Red Rock	16-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4751	-118.9011	GPS	N	Y	11/5/1981	IdleOG
-1	4.11E+08	White Star	17	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47396	-118.884	GPS	N	N	2/11/1922	IdleOG
-1	4.11E+08	White Star	18-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46932	-118.8813	GPS	N	Y	11/16/1969	IdleOG
-1	4.11E+08	Ireland	197-20	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50248	-118.8825	GPS	N	Y	7/19/1990	IdleOG
-1	4.11E+08	Los Angele	1A	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45747	-118.9047	hud	N	N		IdleOG
-1	4.11E+08	Sunset	1A	Idle	DH	Dry Hole	U0200	Union Oil C	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	21	05N	19W	SB	34.51038	-118.8799	hud	N	Y		IdleDH
-1	4.11E+08	Seltzer	2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47615	-118.8854	GPS	N	N	3/15/1965	IdleOG
-1	4.11E+08	Rehart-Hur	2	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	4	04N	19W	SB	34.46587	-118.8713	GPS	N	Y	9/25/1974	IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	7502	Ruth J. Bis	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47074	-118.8551	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48911	-118.9215	hud	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46512	-118.9221	hud	N	N		IdleOG
-1	4.11E+08	Bonebrake	2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46384	-118.9174	GPS	N	N	8/4/1949	IdleOG
-1	4.11E+08	Hogshead	2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47681	-118.8886	hud	N	N		IdleOG
-1	4.11E+08	Mel Blanc	2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47274	-118.8936	GPS	N	N	10/13/1966	IdleOG
-1	4.11E+08	Twilight	2	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50944	-118.8833	GPS	N	N	3/15/1963	IdleWD
-1	4.11E+08	Higgins	2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50315	-118.8812	GPS	N	N	1/17/1966	IdleOG
-1	4.11E+08	Merchants	2	Idle	OG	Oil & Gas	T0125	TB Properti	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46708	-118.918	GPS	N	Y	8/26/1977	IdleOG
-1	4.11E+08	Parlee	2	Idle	OG	Oil & Gas	O2120	Orchard E&	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46703	-118.918	GPS	N	N	10/21/1976	IdleOG
-1	4.11E+08	Maple Cree	2	Idle	OG	Oil & Gas	P3875	Freeport-M	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.48001	-118.8876	hud	N	N		IdleOG
-1	4.11E+08	Four Forks	2	Idle	OG	Oil & Gas	7785	Sespe Explo	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47318	-118.8924	hud	N	N		IdleOG
-1	4.11E+08	Lynn	2	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45935	-118.91	GPS	N	N	7/10/1964	IdleOG
-1	4.11E+08	Twilight	20	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	20	05N	19W	SB	34.50879	-118.8884	hud	N	N		IdleOG
-1	4.11E+08	Tar Creek	20	Idle	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	20	05N	19W	SB	34.50809	-118.8872	hud	N	Y		IdleOG
-1	4.11E+08	Tar Creek	21	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4884	-118.8779	Well Summ	N	N	04/01/1889	IdleOG
-1	4.11E+08	Frankel B	21	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47033	-118.8587	GPS	N	Y	6/28/1980	IdleOG
-1	4.11E+08	Tar Creek	22	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48631	-118.8804	Well Summ	N	N	05/01/1889	IdleOG
-1	4.11E+08	Tar Creek	23	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49297	-118.8795	Well Summ	N	N	06/01/1889	IdleOG
-1	4.11E+08	White Star	23-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47795	-118.8805	GPS	N	Y	8/4/1966	IdleOG
-1	4.11E+08	Mel Blanc	24	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4726	-118.8935	GPS	N	Y	7/17/1983	IdleOG
-1	4.11E+08	Frankel B	25	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47618	-118.8676	GPS	N	Y	3/24/1980	IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	White Star	25	Idle	WS	Water Sour	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4777	-118.8825	hud	N	N	3/6/1964	IdleWS
-1	4.11E+08	Tar Creek	25-28	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4883	-118.8812	GPS	N	N	7/18/1963	IdleOG
-1	4.11E+08	Tar Creek	26-28	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48656	-118.8806	hud	N	Y	6/20/1966	IdleOG
-1	4.11E+08	Federal	27-1	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47843	-118.8677	GPS	N	Y	1/1/1975	IdleOG
-1	4.11E+08	Federal	27-2	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47855	-118.8677	GPS	N	Y	11/26/1976	IdleOG
-1	4.11E+08	Tar Creek	29	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49035	-118.8746	Well Summ	N	N	09/01/1890	IdleOG
-1	4.11E+08	White Star	3	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47541	-118.8835	hud	N	N		IdleOG
-1	4.11E+08	Maple Cree	3	Idle	OG	Oil & Gas	P3875	Freeport-M	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47953	-118.8898	hud	N	N		IdleOG
-1	4.11E+08	Tar Creek	3	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48439	-118.8796	hud	N	N	07/18/1887	IdleOG
-1	4.11E+08	Lynn	3	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45835	-118.9104	GPS	N	N	6/26/1965	IdleOG
-1	4.11E+08	Basenberg	3	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46576	-118.9004	GPS	N	Y	8/1/1969	IdleWD
-1	4.11E+08	Merchants	3	Idle	OG	Oil & Gas	T0125	TB Properti	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46704	-118.9179	GPS	N	Y	8/26/1978	IdleOG
-1	4.11E+08	Bonebrake	3	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46525	-118.9175	GPS	N	Y	2/8/1951	IdleOG
-1	4.11E+08	Unspecifie	3	Idle	WD	Water Disp	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46545	-118.9227	hud	N	N		IdleWD
-1	4.11E+08	Frankel	3	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47947	-118.8812	GPS	N	N	10/9/1963	IdleWD
-1	4.11E+08	Twilight	3	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	20	05N	19W	SB	34.50639	-118.8851	GPS	N	N	8/2/1965	IdleOG
-1	4.11E+08	Seltzer	3	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47736	-118.8867	GPS	N	Y	7/10/1965	IdleWD
-1	4.11E+08	Hogshead	3	Idle	WS	Water Sour	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47757	-118.8882	hud	N	N	01/01/1898	IdleWS
-1	4.11E+08	Central	3	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45808	-118.9139	GPS	N	N		IdleOG
-1	4.11E+08	A.D.P. Reh	11-Mar	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	4	04N	19W	SB	34.46588	-118.8714	GPS	N	Y	11/25/1974	IdleOG
-1	4.11E+08	Hunter-Rel	31-Mar	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46363	-118.8593	Well Summ	N	Y	8/29/1985	IdleOG
-1	4.11E+08	Frankel B	30	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47344	-118.8737	GPS	N	Y	5/18/1984	IdleOG
-1	4.11E+08	Tar Creek	31	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49405	-118.8731	Well Summ	N	N	09/01/1891	IdleOG
-1	4.11E+08	Tar Creek	32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49231	-118.8741	hud	N	N	10/01/1891	IdleOG
-1	4.11E+08	Tar Creek	33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49462	-118.8764	hud	N	N	10/16/1897	IdleOG
-1	4.11E+08	Frankel B	35	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47616	-118.8673	GPS	N	Y	4/9/1984	IdleOG
-1	4.11E+08	White Star	36-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46934	-118.8788	GPS	N	Y	6/25/1969	IdleOG
-1	4.11E+08	Frankel B	37	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47617	-118.8672	GPS	N	Y	9/23/1988	IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	1870	Cosmopolit	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48228	-118.8774	hud	N	N		IdleOG
-1	4.11E+08	Basenberg	4	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46577	-118.9003	GPS	N	N	8/18/1969	IdleOG
-1	4.11E+08	Four Forks	4	Idle	WF	Waterfloo	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47518	-118.8932	GPS	N	N	01/01/1895	IdleWF
-1	4.11E+08	Seltzer	4	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47824	-118.8851	GPS	N	N	12/9/1969	IdleWD
-1	4.11E+08	Central	4	Idle	OG	Oil & Gas	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45942	-118.909	GPS	N	N		IdleOG
-1	4.11E+08	Old Star	4	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48959	-118.9215	hud	N	N		IdleOG
-1	4.11E+08	Well No.	4	Idle	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	30	05N	19W	SB	34.48924	-118.9163	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	4	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46587	-118.9217	hud	N	N		IdleOG
-1	4.11E+08	Los Angele	4	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45913	-118.9068	hud	N	N		IdleOG
-1	4.11E+08	Hogshead	4	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49259	-118.8928	hud	N	N		IdleOG
-1	4.11E+08	White Star	4	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47657	-118.8828	hud	N	N		IdleOG
-1	4.11E+08	Bonebrake	4	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46532	-118.9175	GPS	N	Y	12/22/1951	IdleOG
-1	4.11E+08	Tar Creek	43	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49286	-118.8769	Well Summ	N	N	6/30/1949	IdleOG
-1	4.11E+08	Frankel B	45	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47006	-118.8587	GPS	N	Y	6/29/1988	IdleOG
-1	4.11E+08	Frankel B	46	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.4702	-118.8586	GPS	N	Y	5/29/1988	IdleOG
-1	4.11E+08	Tar Creek	46-28	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48631	-118.8769	GPS	N	N	7/11/1966	IdleOG
-1	4.11E+08	White Star	46-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47064	-118.8758	GPS	N	Y	4/12/1969	IdleOG
-1	4.11E+08	Los Angele	5	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.4585	-118.9082	hud	N	N		IdleOG
-1	4.11E+08	Well No.	5	Idle	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45255	-118.9196	hud	N	N		IdleOG
-1	4.11E+08	Mel Blanc	5	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46828	-118.8998	GPS	N	Y	10/24/1969	IdleWD
-1	4.11E+08	Old Star	5	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48974	-118.9214	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	5	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46573	-118.9224	hud	N	N		IdleOG
-1	4.11E+08	Kentuck	5	Idle	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45903	-118.9228	hud	N	N		IdleOG
-1	4.11E+08	Central	5	Idle	OG	Oil & Gas	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46277	-118.9069	GPS	N	N		IdleOG
-1	4.11E+08	Four Forks	5	Idle	OG	Oil & Gas	7785	Sespe Expl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4724	-118.8913	hud	N	N		IdleOG
-1	4.11E+08	Tar Creek	51V-28	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49503	-118.8742	GPS	N	N	10/12/1964	IdleOG
-1	4.11E+08	Tar Creek	56	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49398	-118.8778	Well Summ	N	N	10/27/1961	IdleOG
-1	4.11E+08	Red Rock	56-29	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48834	-118.889	GPS	N	Y	8/8/1975	IdleOG
-1	4.11E+08	Hansen	56-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46877	-118.8913	GPS	N	Y	4/26/1968	IdleOG
-1	4.11E+08	Tar Creek	57	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4868	-118.8798	Well Summ	N	N	1/18/1963	IdleOG
-1	4.11E+08	Hansen	57-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46865	-118.8911	GPS	N	Y	7/11/1968	IdleOG
-1	4.11E+08	Tar Creek	58	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48678	-118.8809	hud	N	N	3/4/1963	IdleOG
-1	4.11E+08	Los Angele	6	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45847	-118.9057	hud	N	N		IdleOG
-1	4.11E+08	Central	6	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45789	-118.9144	GPS	N	N	6/6/1960	IdleOG
-1	4.11E+08	Unspecifie	6	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46671	-118.9213	hud	N	N		IdleOG
-1	4.11E+08	Bonebrake	61-6	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46644	-118.9028	GPS	N	Y	12/12/1969	IdleOG
-1	4.11E+08	Cal Pac	65-31	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.473	-118.9091	GPS	N	Y	9/17/1982	IdleWD

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hansen	65-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47353	-118.8889	GPS	N	N	12/2/1966	IdleOG
-1	4.11E+08	Hansen	66-32	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47364	-118.8917	GPS	N	Y	3/27/1969	IdleWD
-1	4.11E+08	White Star	7	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47911	-118.8795	hud	N	N		IdleOG
-1	4.11E+08	Los Angele	7	Idle	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45672	-118.9097	hud	N	N		IdleOG
-1	4.11E+08	Well No.	7	Idle	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45441	-118.9163	hud	N	N		IdleOG
-1	4.11E+08	Unspecifie	7	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46656	-118.9236	hud	N	N		IdleOG
-1	4.11E+08	Central	7	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.459	-118.9119	GPS	N	N	3/16/1960	IdleOG
-1	4.11E+08	Thornbury-	72-29	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49295	-118.8865	GPS	N	Y	12/7/1977	IdleOG
-1	4.11E+08	Arundell	72A-5	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46566	-118.8879	GPS	N	Y	10/23/1967	IdleOG
-1	4.11E+08	Arundell	72B-5	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46572	-118.8876	GPS	N	Y	3/30/1967	IdleOG
-1	4.11E+08	Hansen	75-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47453	-118.8864	GPS	N	Y	9/4/1964	IdleOG
-1	4.11E+08	Hansen	75-S-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47408	-118.8865	Well Summ	N	N	8/13/1965	IdleOG
-1	4.11E+08	Tar Creek	76-28	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48624	-118.8724	GPS	N	Y	3/7/1968	IdleOG
-1	4.11E+08	Hansen	77-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46909	-118.8878	GPS	N	Y	6/7/1969	IdleOG
-1	4.11E+08	Shale Ridg	78-29	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48386	-118.8853	GPS	N	Y	3/21/1974	IdleOG
-1	4.11E+08	Cal Pac	78-31	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47055	-118.9044	GPS	N	Y	8/16/1980	IdleOG
-1	4.11E+08	Mel Blanc	8	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46819	-118.8998	GPS	N	Y	6/4/1970	IdleOG
-1	4.11E+08	Unspecifie	8	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46523	-118.9224	hud	N	N		IdleOG
-1	4.11E+08	Rossi	8	Idle	WS	Water Sour	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47019	-118.8712	GPS	N	Y	12/15/1975	IdleWS
-1	4.11E+08	White Star	8	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47874	-118.8808	hud	N	N		IdleOG
-1	4.11E+08	Well No.	8	Idle	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48893	-118.9205	hud	N	N		IdleOG
-1	4.11E+08	Shale Ridg	81-32	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48377	-118.8856	GPS	N	Y	12/26/1970	IdleWD
-1	4.11E+08	Red Rock	82-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47935	-118.8865	GPS	N	Y	7/29/1965	IdleOG
-1	4.11E+08	Bonebrake	82-6	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46444	-118.9022	GPS	N	Y	7/4/1969	IdleOG
-1	4.11E+08	Orcutt	83B-33	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47874	-118.8681	GPS	N	Y	8/29/1967	IdleOG
-1	4.11E+08	SR-TC	84-29	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49018	-118.8835	GPS	N	Y	7/19/1980	IdleOG
-1	4.11E+08	White Star	85-32	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47393	-118.884	GPS	N	Y	7/2/1969	IdleOG
-1	4.11E+08	Cal Pac	86-30	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	30	05N	19W	SB	34.48678	-118.9026	GPS	N	N	8/26/1967	IdleOG
-1	4.11E+08	Shale Ridg	88-29	Idle	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48385	-118.8855	GPS	N	Y	9/26/1952	IdleWD
-1	4.11E+08	Unspecifie	9	Idle	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46686	-118.9224	hud	N	N		IdleOG
-1	4.11E+08	Central	9	Idle	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45634	-118.9156	GPS	N	Y	7/2/1962	IdleOG
-1	4.11E+08	White Star	9	Idle	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47824	-118.8789	hud	N	N	3/1/1912	IdleOG
-1	4.11E+08	Well No.	B	Idle	OG	Oil & Gas	9050	Wasibi Oil	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	27	05N	19W	SB	34.49176	-118.8578	hud	N	N		IdleOG
-1	4.11E+08	Powell	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47002	-118.8587	GPS	N	Y	7/28/1988	ActiveOG
-1	4.11E+08	Hedman	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47638	-118.8837	GPS	N	N	2/9/1965	ActiveOG
-1	4.11E+08	Mel Blanc	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47559	-118.892	GPS	N	N	7/30/1966	ActiveOG
-1	4.11E+08	Lynn	1	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45972	-118.9109	GPS	N	N	3/3/1961	ActiveOG
-1	4.11E+08	Bonebrake	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46516	-118.9171	GPS	N	N	10/17/1948	ActiveOG
-1	4.11E+08	Vaqueros C	1	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46491	-118.8641	GPS	N	Y	9/28/2006	ActiveOG
-1	4.11E+08	Rehart-Hur	1	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	4	04N	19W	SB	34.46586	-118.8713	GPS	N	Y	2/28/1974	ActiveOG
-1	4.11E+08	Basenberg	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.4661	-118.9005	GPS	N	Y	5/24/1968	ActiveOG
-1	4.11E+08	Goodman	1	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48297	-118.8809	GPS	N	Y	9/10/1965	ActiveWD
-1	4.11E+08	Holton	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4702	-118.8752	GPS	N	Y	2/29/1976	ActiveOG
-1	4.11E+08	Oak Flat	31-Jan	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	21W	SB	34.47071	-118.9081	Notice of Ir	N	N	4/10/2012	ActiveOG
-1	4.11E+08	Rossi	1-H	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46894	-118.8715	GPS	N	N	7/8/1966	ActiveOG
-1	4.11E+08	Frankel B	10	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47614	-118.8678	GPS	N	Y	9/3/1971	ActiveOG
-1	4.11E+08	Mel Blanc	10	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47729	-118.8911	GPS	N	Y	7/15/1970	ActiveOG
-1	4.11E+08	Frankel B	11	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47615	-118.8677	GPS	N	Y	9/28/1971	ActiveOG
-1	4.11E+08	Mel Blanc	11	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47726	-118.8912	GPS	N	Y	7/30/1970	ActiveOG
-1	4.11E+08	Strand	29-Nov	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49577	-118.8969	GPS	N	Y	9/19/1987	ActiveOG
-1	4.11E+08	Arundell	4-Nov	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	4	04N	19W	SB	34.46516	-118.882	GPS	N	Y	7/10/1969	ActiveOG
-1	4.11E+08	Higgins	11X-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49657	-118.88	GPS	N	Y	11/12/1987	ActiveOG
-1	4.11E+08	Rossi	12	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46852	-118.8628	GPS	N	Y	3/29/1980	ActiveOG
-1	4.11E+08	Mel Blanc	12	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47723	-118.8913	GPS	N	Y	8/16/1970	ActiveOG
-1	4.11E+08	Higgins	28-Dec	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49652	-118.88	GPS	N	Y	12/2/1987	ActiveOG
-1	4.11E+08	Higgins	129	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49675	-118.88	GPS	N	N	7/9/1988	ActiveOG
-1	4.11E+08	Frankel B	13	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47617	-118.8676	GPS	N	Y	8/8/1976	ActiveOG
-1	4.11E+08	Mel Blanc	13	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47257	-118.8937	GPS	N	Y	9/2/1970	ActiveOG
-1	4.11E+08	Tar Creek	13-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49011	-118.8834	GPS	N	Y	6/18/1979	ActiveOG
-1	4.11E+08	White Star	13-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47814	-118.8829	GPS	N	N		ActiveOG
-1	4.11E+08	Frankel B	14	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47604	-118.8677	GPS	N	N	11/26/1976	ActiveOG
-1	4.11E+08	Mel Blanc	14	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47262	-118.8936	GPS	N	Y	9/20/1970	ActiveOG
-1	4.11E+08	White Star	14-33	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47634	-118.8814	hud	N	N	8/30/1966	ActiveWD
-1	4.11E+08	Tar Creek	149-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49015	-118.8834	GPS	N	Y		ActiveOG
-1	4.11E+08	Mel Blanc	15	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47721	-118.8913	GPS	N	Y	4/11/1971	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Frankel B	15	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47611	-118.8674	GPS	N	Y	3/27/1977	ActiveOG
-1	4.11E+08	Shale Ridge	15-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48826	-118.8849	GPS	N	Y	7/17/1979	ActiveOG
-1	4.11E+08	Red Rock	15-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47512	-118.9013	GPS	N	N	11/30/1980	ActiveOG
-1	4.11E+08	Frankel B	16	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47624	-118.8673	GPS	N	Y	5/28/1977	ActiveOG
-1	4.11E+08	Shale Ridge	16-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48648	-118.8828	GPS	N	Y	8/26/1965	ActiveOG
-1	4.11E+08	Mel Blanc	16-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47239	-118.8938	GPS	N	Y	10/10/1982	ActiveOG
-1	4.11E+08	White Star	16-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46972	-118.8835	GPS	N	Y	5/15/1969	ActiveOG
-1	4.11E+08	Mel Blanc	17	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46824	-118.9	GPS	N	Y	9/7/1983	ActiveOG
-1	4.11E+08	Frankel B	17	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4762	-118.8675	GPS	N	Y	7/19/1977	ActiveOG
-1	4.11E+08	Shale Ridge	17-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48432	-118.8836	GPS	N	Y	7/26/1979	ActiveOG
-1	4.11E+08	White Star	17-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46978	-118.8832	GPS	N	Y		ActiveOG
-1	4.11E+08	Frankel B	18	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47083	-118.8587	GPS	N	Y	10/13/1978	ActiveOG
-1	4.11E+08	Mel Blanc	18	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47876	-118.8982	GPS	N	Y	3/1/1984	ActiveOG
-1	4.11E+08	Shale Ridge	18-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48322	-118.8829	GPS	N	Y	6/6/1965	ActiveOG
-1	4.11E+08	Ireland	186-20	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50252	-118.8825	GPS	N	Y	8/9/1990	ActiveOG
-1	4.11E+08	Mel Blanc	19	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47874	-118.8982	GPS	N	Y	9/3/1987	ActiveOG
-1	4.11E+08	Frankel B	19	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47076	-118.8587	GPS	N	N	7/28/1979	ActiveOG
-1	4.11E+08	Thornbury-	1A-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.493	-118.8864	GPS	N	Y	4/8/1976	ActiveOG
-1	4.11E+08	Cosmopolit	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47971	-118.8793	GPS	N	N	12/13/1909	ActiveOG
-1	4.11E+08	Goodman	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48452	-118.8807	GPS	N	Y	10/26/1965	ActiveOG
-1	4.11E+08	Frankel	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48044	-118.8779	GPS	N	N	6/21/1966	ActiveOG
-1	4.11E+08	Powell	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47108	-118.8586	GPS	N	Y	7/15/1989	ActiveOG
-1	4.11E+08	Rossi	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47031	-118.8711	GPS	N	Y	5/30/1969	ActiveOG
-1	4.11E+08	Frankel B	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4762	-118.8675	GPS	N	Y	3/20/1968	ActiveOG
-1	4.11E+08	Oak Flat	Feb-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	21W	SB	34.4707	-118.9081	Notice of Ir	N	N	4/24/2012	ActiveOG
-1	4.11E+08	Mel Blanc	20	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47876	-118.8981	GPS	N	N	11/10/1987	ActiveOG
-1	4.11E+08	Frankel B	20	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47062	-118.8587	GPS	N	Y	9/24/1979	ActiveOG
-1	4.11E+08	Bonebrake	21-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46545	-118.9175	GPS	N	Y	9/8/1980	ActiveOG
-1	4.11E+08	Frankel B	22	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47025	-118.8587	GPS	N	Y	6/4/1983	ActiveOG
-1	4.11E+08	Elm Creek	22-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49351	-118.8801	GPS	N	Y	1/23/1989	ActiveOG
-1	4.11E+08	Red Rock	22-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4791	-118.8981	GPS	N	Y	10/20/1965	ActiveOG
-1	4.11E+08	Mel Blanc	23	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47248	-118.8938	GPS	N	Y	8/10/1983	ActiveOG
-1	4.11E+08	Frankel B	23	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47016	-118.8586	GPS	N	Y	7/6/1983	ActiveOG
-1	4.11E+08	Tar Creek	23-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49297	-118.8795	GPS	N	Y	4/24/1976	ActiveOG
-1	4.11E+08	Frankel B	24	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47613	-118.8674	GPS	N	Y	8/7/1983	ActiveOG
-1	4.11E+08	Tar Creek	24-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49199	-118.8804	GPS	N	Y	9/10/1975	ActiveOG
-1	4.11E+08	Anza-Moha	25-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48967	-118.8979	GPS	N	N	6/26/1965	ActiveOG
-1	4.11E+08	Red Rock	25-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47514	-118.901	GPS	N	N	10/6/1981	ActiveOG
-1	4.11E+08	White Star	25-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47461	-118.8808	GPS	N	Y	9/12/1966	ActiveOG
-1	4.11E+08	Frankel B	26	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47614	-118.8673	GPS	N	Y	11/21/1987	ActiveOG
-1	4.11E+08	Red Rock	26-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4718	-118.8981	GPS	N	Y	4/25/1967	ActiveOG
-1	4.11E+08	White Star	26-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46931	-118.881	GPS	N	Y	3/30/1969	ActiveOG
-1	4.11E+08	Frankel B	27	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47341	-118.8734	GPS	N	Y	6/29/1991	ActiveOG
-1	4.11E+08	White Star	27-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4694	-118.8813	GPS	N	Y	9/7/1969	ActiveOG
-1	4.11E+08	White Star	28-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46965	-118.8832	GPS	N	Y	6/21/1970	ActiveOG
-1	4.11E+08	Goodman	3	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48295	-118.8808	GPS	N	N	9/25/1969	ActiveWD
-1	4.11E+08	Frankel B	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47614	-118.8743	GPS	N	Y	7/13/1968	ActiveOG
-1	4.11E+08	Rossi	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47021	-118.8712	GPS	N	N	4/13/1970	ActiveOG
-1	4.11E+08	Powell	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47109	-118.8587	Well Summ	N	N	5/20/2011	ActiveOG
-1	4.11E+08	Mel Blanc	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47242	-118.8938	GPS	N	Y	9/13/1968	ActiveOG
-1	4.11E+08	Hunter-Rel	11-Mar	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.4647	-118.864	Well Summ	N	N	9/10/1977	ActiveOG
-1	4.11E+08	Hunter-Rel	3-13X	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46465	-118.8638	GPS	N	Y	5/25/1979	ActiveOG
-1	4.11E+08	A.D.P. Reh	21-Mar	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46474	-118.864	GPS	N	Y	3/21/1975	ActiveOG
-1	4.11E+08	Oak Flat	31-Mar	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	31	05N	19W	SB	34.46852	-118.9105	Notice of Ir	N	N	5/7/2013	ActiveOG
-1	4.11E+08	Hunter-Rel	Mar-34	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46354	-118.8595	GPS	N	N	7/16/1980	ActiveOG
-1	4.11E+08	Hunter-Rel	Mar-42	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46359	-118.8595	GPS	N	N	7/28/1978	ActiveOG
-1	4.11E+08	A.D.P. Hop	Mar-43	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46347	-118.8594	GPS	N	Y	2/22/1975	ActiveOG
-1	4.11E+08	Hunter-Rel	Mar-44	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.4635	-118.8594	GPS	N	Y	6/1/1980	ActiveOG
-1	4.11E+08	Hunter-Ro	Mar-52	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46348	-118.8593	GPS	N	N	4/29/1980	ActiveOG
-1	4.11E+08	A.D.P. Hun	Mar-53	Active	WS	Water Sour	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46341	-118.8594	Well Summ	N	Y	11/3/1975	ActiveWS
-1	4.11E+08	Hunter-Ro	Mar-54	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46333	-118.8593	GPS	N	Y	9/28/1979	ActiveOG
-1	4.11E+08	Frankel B	31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47345	-118.8738	GPS	N	Y	2/26/1984	ActiveOG
-1	4.11E+08	Frankel B	32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4761	-118.8675	GPS	N	Y	9/9/1983	ActiveOG
-1	4.11E+08	Elm Creek	32-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4935	-118.8801	GPS	N	Y	1/3/1989	ActiveOG
-1	4.11E+08	Bonebrake	32-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.4654	-118.9175	GPS	N	Y	5/10/1974	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Tar Creek	33-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49296	-118.8793	GPS	N	Y	11/17/1976	ActiveOG
-1	4.11E+08	White Star	33-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47786	-118.8787	GPS	N	Y	4/22/1966	ActiveOG
-1	4.11E+08	Bonebrake	33-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.4653	-118.9174	GPS	N	Y	4/15/1974	ActiveOG
-1	4.11E+08	White Star	33X-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47789	-118.8789	GPS	N	Y	4/25/1969	ActiveOG
-1	4.11E+08	Frankel B	34	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47622	-118.8674	GPS	N	Y	9/29/1987	ActiveOG
-1	4.11E+08	Tar Creek	34-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49131	-118.8762	GPS	N	Y	6/21/1978	ActiveOG
-1	4.11E+08	White Star	34-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47795	-118.8808	GPS	N	Y	12/5/1969	ActiveOG
-1	4.11E+08	Bonebrake	34-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46389	-118.9173	GPS	N	Y	10/17/1980	ActiveOG
-1	4.11E+08	Tar Creek	35-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48827	-118.879	GPS	N	Y	10/6/1968	ActiveOG
-1	4.11E+08	White Star	35-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47403	-118.8807	GPS	N	Y	6/4/1969	ActiveOG
-1	4.11E+08	Frankel B	36	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47618	-118.8672	GPS	N	Y	6/29/1991	ActiveOG
-1	4.11E+08	White Star	37-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46935	-118.8785	GPS	N	Y		ActiveOG
-1	4.11E+08	Frankel B	38	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47057	-118.8587	GPS	N	Y	7/29/1987	ActiveOG
-1	4.11E+08	White Star	38-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46923	-118.8808	GPS	N	Y	8/26/1970	ActiveOG
-1	4.11E+08	Frankel B	39	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47053	-118.8587	GPS	N	Y	9/1/1987	ActiveOG
-1	4.11E+08	Powell	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47109	-118.8587	Well Summ	N	Y	4/20/2011	ActiveOG
-1	4.11E+08	Goodman	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4854	-118.8748	GPS	N	Y	11/15/1970	ActiveOG
-1	4.11E+08	Rossi	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47027	-118.8713	GPS	N	Y	8/6/1971	ActiveOG
-1	4.11E+08	Mel Blanc	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47245	-118.8938	GPS	N	Y	10/3/1968	ActiveOG
-1	4.11E+08	Frankel	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48021	-118.8777	GPS	N	N	11/24/1966	ActiveOG
-1	4.11E+08	Frankel B	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47342	-118.8734	GPS	N	N	10/30/1968	ActiveOG
-1	4.11E+08	Lynn	4	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46133	-118.9075	hud	N	N	9/30/1968	ActiveOG
-1	4.11E+08	Oak Flat	Apr-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	31	05N	19W	SB	34.46847	-118.9105	Notice of Ir	N	N	4/23/2013	ActiveOG
-1	4.11E+08	Frankel B	40	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47072	-118.8587	GPS	N	Y	6/18/1984	ActiveOG
-1	4.11E+08	Red Rock	41-32	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4791	-118.8942	Well Summ	N	Y	12/10/1985	ActiveWD
-1	4.11E+08	Bonebrake	41-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46405	-118.9167	GPS	N	Y	4/10/1985	ActiveOG
-1	4.11E+08	Tar Creek	41B-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49506	-118.8762	GPS	N	Y	8/20/1982	ActiveOG
-1	4.11E+08	Tar Creek	42-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49525	-118.8759	GPS	N	Y	7/31/1981	ActiveOG
-1	4.11E+08	Thornbury	42-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49438	-118.8928	GPS	N	Y	10/25/1984	ActiveOG
-1	4.11E+08	Red Rock	42-32	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47916	-118.8943	Well Summ	N	Y	10/8/1965	ActiveWD
-1	4.11E+08	Frankel B	43	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47623	-118.8673	GPS	N	Y	10/26/1987	ActiveOG
-1	4.11E+08	Tar Creek	43-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49321	-118.8776	GPS	N	Y	8/12/1977	ActiveOG
-1	4.11E+08	White Star	43-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47794	-118.8787	GPS	N	Y	4/24/1968	ActiveOG
-1	4.11E+08	Bonebrake	43-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46526	-118.9174	GPS	N	N	2/15/1974	ActiveOG
-1	4.11E+08	Tar Creek	44-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49129	-118.8763	GPS	N	Y	7/1/1979	ActiveOG
-1	4.11E+08	White Star	44-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47787	-118.879	GPS	N	Y	1/6/1969	ActiveOG
-1	4.11E+08	White Star	45-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47073	-118.8758	GPS	N	Y	8/10/1968	ActiveOG
-1	4.11E+08	White Star	47-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47044	-118.8757	GPS	N	Y	7/30/1969	ActiveOG
-1	4.11E+08	Frankel B	48	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.4699	-118.8588	GPS	N	Y	9/23/1989	ActiveOG
-1	4.11E+08	White Star	48-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46926	-118.8785	Well Summ	N	N	6/24/2011	ActiveOG
-1	4.11E+08	Tar Creek	48B-21	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.49763	-118.8778	GPS	N	N		ActiveOG
-1	4.11E+08	Frankel B	49	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46996	-118.8588	GPS	N	Y	8/27/1989	ActiveOG
-1	4.11E+08	Rossi	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47039	-118.8709	GPS	N	Y	6/25/1972	ActiveOG
-1	4.11E+08	Frankel	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48015	-118.8777	GPS	N	N	11/2/1967	ActiveOG
-1	4.11E+08	Frankel B	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47341	-118.8736	GPS	N	Y	7/13/1969	ActiveOG
-1	4.11E+08	Goodman	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48458	-118.8806	GPS	N	Y	6/8/1971	ActiveOG
-1	4.11E+08	Seltzer	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47634	-118.8855	GPS	N	Y	8/6/1965	ActiveOG
-1	4.11E+08	Frankel A	501	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48081	-118.8795	Well Summ	N	N	5/26/2012	ActiveOG
-1	4.11E+08	Frankel A	502	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48072	-118.8802	Well Summ	N	Y	5/10/2012	ActiveOG
-1	4.11E+08	Seltzer	508	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47548	-118.8888	GPS	N	Y	8/28/1984	ActiveOG
-1	4.11E+08	Bonebrake	51-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46412	-118.9056	GPS	N	Y	11/28/1983	ActiveOG
-1	4.11E+08	Tar Creek	51B-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4951	-118.8762	GPS	N	Y	9/17/1982	ActiveOG
-1	4.11E+08	Tar Creek	52-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49526	-118.8759	GPS	N	N	9/1/1981	ActiveOG
-1	4.11E+08	Thornbury-	52-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49377	-118.8904	GPS	N	Y	8/16/1979	ActiveOG
-1	4.11E+08	Red Rock	52-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47922	-118.8901	GPS	N	Y		ActiveOG
-1	4.11E+08	Bonebrake	52-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46399	-118.9058	GPS	N	Y	11/19/1969	ActiveOG
-1	4.11E+08	Tar Creek	524-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49202	-118.8803	Notice of Ir	N	N	6/7/2013	ActiveOG
-1	4.11E+08	Mel Blanc	525	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47719	-118.8914	GPS	N	N	4/6/1984	ActiveOG
-1	4.11E+08	Tar Creek	525-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.492	-118.8804	Notice of Ir	N	N	5/21/2013	ActiveOG
-1	4.11E+08	White Star	525-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47723	-118.8807	Notice of Ir	N	N	6/24/2013	ActiveOG
-1	4.11E+08	Tar Creek	53-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49121	-118.8762	GPS	N	Y	6/21/1980	ActiveOG
-1	4.11E+08	Thornbury-	53-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49356	-118.8892	Well Summ	N	N	6/26/2012	ActiveOG
-1	4.11E+08	Red Rock	53-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47926	-118.89	GPS	N	Y	1/19/1971	ActiveOG
-1	4.11E+08	Bonebrake	53-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46407	-118.9057	GPS	N	N	6/4/1974	ActiveOG
-1	4.11E+08	White Star	533-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47714	-118.8787	Well Summ	N	Y	8/29/2011	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	White Star	534-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47803	-118.8787	Well Summ	N	Y	8/4/2011	ActiveOG
-1	4.11E+08	White Star	535-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47419	-118.8807	Notice of Ir	N	N	7/7/2013	ActiveOG
-1	4.11E+08	Red Rock	55-29	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48837	-118.889	GPS	N	Y	8/23/1975	ActiveWD
-1	4.11E+08	Hansen	55-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47351	-118.8919	GPS	N	Y	5/31/1966	ActiveOG
-1	4.11E+08	Thornbury-	562-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49356	-118.8892	Well Summ	N	N	6/11/2012	ActiveOG
-1	4.11E+08	Anza-Mohr	57-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48534	-118.8747	GPS	N	Y	8/29/1967	ActiveOG
-1	4.11E+08	Anza-Orcut	57X-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48547	-118.8749	GPS	N	Y	9/21/1984	ActiveOG
-1	4.11E+08	Tar Creek	58-21	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49516	-118.8756	GPS	N	N	7/12/1974	ActiveWD
-1	4.11E+08	Red Rock	58-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48344	-118.8906	GPS	N	Y	8/11/1980	ActiveOG
-1	4.11E+08	Cal Pac	58-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47054	-118.9045	GPS	N	Y	6/23/1971	ActiveOG
-1	4.11E+08	Hansen	58-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46859	-118.8877	GPS	N	Y	9/18/1969	ActiveOG
-1	4.11E+08	White Star	586-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47461	-118.8808	GPS	N	Y		ActiveOG
-1	4.11E+08	Tar Creek	59V-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49403	-118.8745	GPS	N	N	10/12/1978	ActiveOG
-1	4.11E+08	Frankel B	6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47615	-118.8744	GPS	N	Y	4/29/1971	ActiveOG
-1	4.11E+08	Goodman	6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48529	-118.8747	GPS	N	Y	3/20/1984	ActiveOG
-1	4.11E+08	Rossi	6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47015	-118.8713	GPS	N	Y	4/19/1974	ActiveOG
-1	4.11E+08	Frankel	6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48052	-118.8779	GPS	N	N	12/7/1967	ActiveOG
-1	4.11E+08	Lynn	6	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46282	-118.9068	GPS	N	N	11/20/1969	ActiveOG
-1	4.11E+08	White Star	6	Active	WS	Water Sour	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47597	-118.8813	GPS	N	N	2/1/1911	ActiveWS
-1	4.11E+08	Mel Blanc	6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46832	-118.8998	GPS	N	Y	11/14/1969	ActiveOG
-1	4.11E+08	Tar Creek	61-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.49767	-118.8777	GPS	N	Y	9/10/1984	ActiveOG
-1	4.11E+08	Red Rock	61-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47926	-118.8901	GPS	N	Y		ActiveOG
-1	4.11E+08	Thornbury-	62-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49374	-118.8903	GPS	N	Y	7/26/1978	ActiveOG
-1	4.11E+08	Red Rock	62-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47913	-118.8901	GPS	N	Y	9/11/1965	ActiveOG
-1	4.11E+08	Bonebrake	62-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46417	-118.9056	GPS	N	Y	9/28/1969	ActiveOG
-1	4.11E+08	T.G. - R.R.	63-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49368	-118.8903	GPS	N	Y	11/1/1979	ActiveOG
-1	4.11E+08	Red Rock	65-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48804	-118.8894	GPS	N	Y	7/24/1975	ActiveOG
-1	4.11E+08	Red Rock	66-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48802	-118.8895	Well Summ	N	Y	7/8/1975	ActiveOG
-1	4.11E+08	Cal Pac	66-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47298	-118.909	GPS	N	Y	5/1/1982	ActiveOG
-1	4.11E+08	Red Rock	67	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48342	-118.8907	GPS	N	Y	5/31/1975	ActiveWD
-1	4.11E+08	Cal Pac	67-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47054	-118.9044	GPS	N	Y	4/6/1982	ActiveOG
-1	4.11E+08	Hansen	67-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46862	-118.8878	GPS	N	Y	5/2/1969	ActiveOG
-1	4.11E+08	Red Rock	68	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48342	-118.8907	GPS	N	Y	5/16/1975	ActiveWD
-1	4.11E+08	Hansen	68-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46898	-118.8879	GPS	N	Y	5/21/1970	ActiveOG
-1	4.11E+08	Seltzer	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4775	-118.8899	GPS	N	Y	9/19/1969	ActiveOG
-1	4.11E+08	Mel Blanc	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46821	-118.8997	GPS	N	Y	5/16/1970	ActiveOG
-1	4.11E+08	Rossi	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46845	-118.8626	GPS	N	Y	9/9/1975	ActiveOG
-1	4.11E+08	Frankel	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48006	-118.8777	GPS	N	Y	12/3/1968	ActiveOG
-1	4.11E+08	Lynn	7	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46022	-118.9064	GPS	N	Y	12/4/1969	ActiveOG
-1	4.11E+08	Frankel B	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47614	-118.8742	GPS	N	Y	5/22/1971	ActiveOG
-1	4.11E+08	Anza-Reser	71-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49653	-118.8868	GPS	N	Y	8/1/1981	ActiveOG
-1	4.11E+08	Bonebrake	71-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46646	-118.9023	GPS	N	Y	10/22/1969	ActiveOG
-1	4.11E+08	Bonebrake	72-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46638	-118.9026	GPS	N	Y	8/27/1969	ActiveOG
-1	4.11E+08	T.G. - R.R.	73-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49284	-118.8863	GPS	N	Y	11/4/1978	ActiveOG
-1	4.11E+08	Red Rock	73-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47913	-118.89	GPS	N	Y	11/10/1970	ActiveOG
-1	4.11E+08	Chodar	74-1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46405	-118.9169	GPS	N	Y	12/27/1983	ActiveOG
-1	4.11E+08	Tc-Strand	74X-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49044	-118.8867	GPS	N	Y	12/7/1979	ActiveOG
-1	4.11E+08	Shale Ridge	75-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48677	-118.8869	GPS	N	Y	4/29/1975	ActiveOG
-1	4.11E+08	Witmer	75-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47238	-118.9029	GPS	N	Y	10/21/1982	ActiveOG
-1	4.11E+08	Witmer	76-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47236	-118.903	GPS	N	Y	9/27/1982	ActiveOG
-1	4.11E+08	Hansen	76-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47247	-118.8865	GPS	N	N	7/28/1969	ActiveOG
-1	4.11E+08	Shale Ridge	77-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.4868	-118.8869	GPS	N	Y	4/13/1975	ActiveOG
-1	4.11E+08	Cal Pac	77-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47054	-118.9043	GPS	N	Y	9/4/1979	ActiveOG
-1	4.11E+08	Hansen	78-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46866	-118.8877	GPS	N	N		ActiveOG
-1	4.11E+08	Frankel B	8	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47346	-118.8739	GPS	N	Y	6/21/1971	ActiveOG
-1	4.11E+08	Lynn	8	Active	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46016	-118.9063	Well Summ	N	N	12/27/1969	ActiveOG
-1	4.11E+08	AR-Strand	81-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49637	-118.8869	GPS	N	Y	9/4/1981	ActiveOG
-1	4.11E+08	Bonebrake	81-6	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46646	-118.9025	GPS	N	Y	6/8/1969	ActiveOG
-1	4.11E+08	Red Rock	82B-32	Active	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48082	-118.8835	GPS	N	Y	12/2/1970	ActiveWD
-1	4.11E+08	Chodar	83-1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46391	-118.9172	GPS	N	Y	9/30/1981	ActiveOG
-1	4.11E+08	Orcutt	83A-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47849	-118.8685	GPS	N	Y	3/26/1967	ActiveOG
-1	4.11E+08	Orcutt	83C-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47861	-118.8683	GPS	N	Y	7/22/1967	ActiveOG
-1	4.11E+08	Orcutt	83D-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47887	-118.868	GPS	N	Y	12/3/1967	ActiveOG
-1	4.11E+08	Orcutt	8.30E-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47899	-118.8678	GPS	N	Y	4/29/1968	ActiveOG
-1	4.11E+08	Orcutt	83F-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47909	-118.8681	GPS	N	Y	10/18/1968	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Orcutt	83G-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47929	-118.8685	GPS	N	Y	10/27/1970	ActiveOG
-1	4.11E+08	Orcutt	83H-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47938	-118.8686	GPS	N	Y	11/22/1970	ActiveOG
-1	4.11E+08	Orcutt	83I-33	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47921	-118.8683	GPS	N	Y	1/12/1971	ActiveOG
-1	4.11E+08	Tar Creek	85-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48829	-118.8707	GPS	N	Y	12/2/1968	ActiveOG
-1	4.11E+08	Shale Ridge	85-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.487	-118.8868	GPS	N	Y	6/18/1975	ActiveOG
-1	4.11E+08	Witmer	85-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.4724	-118.9029	GPS	N	Y	11/1/1982	ActiveOG
-1	4.11E+08	Shale Ridge	86-29	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48591	-118.8851	GPS	N	Y	8/18/1974	ActiveOG
-1	4.11E+08	Witmer-US	86-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47242	-118.9029	GPS	N	Y	2/20/1966	ActiveOG
-1	4.11E+08	Hansen	86-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47271	-118.8864	GPS	N	Y	1/5/1969	ActiveOG
-1	4.11E+08	Witmer	86X-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47242	-118.9028	GPS	N	N	8/8/1980	ActiveOG
-1	4.11E+08	Cal Pac	87-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47054	-118.9042	GPS	N	Y	10/21/1981	ActiveOG
-1	4.11E+08	White Star	87-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46986	-118.8834	GPS	N	Y		ActiveOG
-1	4.11E+08	Cal Pac	88-31	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47058	-118.9041	GPS	N	Y	12/9/1967	ActiveOG
-1	4.11E+08	Hansen	88-32	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46912	-118.8877	GPS	N	Y	12/1/1969	ActiveOG
-1	4.11E+08	Frankel B	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47346	-118.8739	GPS	N	Y	7/13/1971	ActiveOG
-1	4.11E+08	Rossi	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	34	05N	19W	SB	34.46846	-118.8625	GPS	N	Y	9/18/1975	ActiveOG
-1	4.11E+08	Mel Blanc	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.46824	-118.8999	GPS	N	Y	6/25/1970	ActiveOG
-1	4.11E+08	Frankel	A-8	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47985	-118.8777	GPS	N	Y	6/23/1983	ActiveOG
-1	4.11E+08	Frankel	C-1	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47915	-118.879	GPS	N	Y	9/19/1966	ActiveOG
-1	4.11E+08	Higgins	U76-28	Active	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49679	-118.88	GPS	N	Y	7/28/1988	ActiveOG
-1	4.11E+08	Higgins	1	Plugged	OG	Oil & Gas	F1450	Fortune Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50628	-118.8816	hud	N	N	7/1/1964	PluggedOG
-1	4.11E+08	Tar Creek	1	Plugged	OG	Oil & Gas	9418	Zuni Oil Co	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49454	-118.8791	hud	N	N	01/01/1887	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47	-118.8731	GPS	N	N	8/21/1977	PluggedOG
-1	4.11E+08	Tar Creek V	1	Plugged	WS	Water Sour	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4882	-118.8728	hud	N	N		PluggedWS
-1	4.11E+08	Mutual	1	Plugged	OG	Oil & Gas	5067	L. C. Douga	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47136	-118.8747	hud	N	N	1/1/1908	PluggedOG
-1	4.11E+08	Mitchell	1	Plugged	DH	Dry Hole	C6500	Coast Supp	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48764	-118.8856	hud	N	N		PluggedDH
-1	4.11E+08	Irwin	1	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4735	-118.8938	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	336	Anaconda I	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49409	-118.8689	hud	N	N		PluggedOG
-1	4.11E+08	Los Angele	1	Plugged	OG	Oil & Gas	5424	Los Angele	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45871	-118.9046	hud	N	N		PluggedOG
-1	4.11E+08	Dixie	1	Plugged	OG	Oil & Gas	2169	Dixie Natio	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46434	-118.9017	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8324	The Boles (	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49067	-118.9016	hud	N	N		PluggedOG
-1	4.11E+08	Hogsback	1	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47606	-118.8991	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48908	-118.9208	hud	N	N		PluggedOG
-1	4.11E+08	Star	1	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45415	-118.9214	hud	N	N		PluggedOG
-1	4.11E+08	L. I. V.	1	Plugged	OG	Oil & Gas	O0500	Occidental	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4594	-118.9237	hud	N	N	12/31/1963	PluggedOG
-1	4.11E+08	Van Trees	1	Plugged	OG	Oil & Gas	N0250	G. R. Nanc	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4543	-118.9232	hud	N	N		PluggedOG
-1	4.11E+08	Chieftan	1	Plugged	OG	Oil & Gas	4690	John F. Hov	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	36	05N	20W	SB	34.46865	-118.9259	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4812	Julia Crawf	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48897	-118.9247	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	1894	Crawford H	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	35	05N	20W	SB	34.47276	-118.9395	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7784	Sespe Crud	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	35	05N	20W	SB	34.47866	-118.9416	hud	N	N	1/1/1901	PluggedOG
-1	4.11E+08	Nathan	1	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.50035	-118.9474	hud	N	N		PluggedOG
-1	4.11E+08	Orcutt	1	Plugged	OG	Oil & Gas	1394	Carmack O	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48583	-118.8733	hud	N	N	11/4/1937	PluggedOG
-1	4.11E+08	Rako	1	Plugged	DH	Dry Hole	7145	Rako Oil Co	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	4	04N	19W	SB	34.46783	-118.8717	hud	N	N		PluggedDH
-1	4.11E+08	Ireland	1	Plugged	OG	Oil & Gas	F1450	Fortune Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50554	-118.8839	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	6014	Modoc Pet	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	20	05N	19W	SB	34.50744	-118.8921	hud	N	N		PluggedOG
-1	4.11E+08	Side Hill	1	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4734	-118.895	hud	N	N		PluggedOG
-1	4.11E+08	Kenyon	1	Plugged	OG	Oil & Gas	8622	U. S. Gover	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	31	05N	19W	SB	34.47207	-118.9028	hud	N	N		PluggedOG
-1	4.11E+08	Condor	1	Plugged	OG	Oil & Gas	8964	W. R. Traxl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45501	-118.9037	hud	N	N		PluggedOG
-1	4.11E+08	Junction	1	Plugged	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45992	-118.9107	hud	N	N		PluggedOG
-1	4.11E+08	Hawkswing	1	Plugged	OG	Oil & Gas	C4500	Central Lea	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45841	-118.9161	hud	N	N	5/21/1963	PluggedOG
-1	4.11E+08	Star	1	Plugged	DH	Dry Hole	P1300	Parbe Oil C	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4598	-118.9224	hud	N	N		PluggedDH
-1	4.11E+08	Cochran	1	Plugged	OG	Oil & Gas	N0250	G. R. Nanc	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46566	-118.9255	hud	N	N	5/3/1958	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3567	Group Syn	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46426	-118.9356	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	9019	Walter H. S	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.49853	-118.9392	hud	N	N	9/8/1952	PluggedDH
-1	4.11E+08	Crystal Oil	1	Plugged	OG	Oil & Gas	1933	Crystal Oil	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	35	05N	20W	SB	34.47391	-118.9447	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7736	Searchlight	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	2	04N	20W	SB	34.46772	-118.9474	hud	N	N		PluggedOG
-1	4.11E+08	Chappuis	1	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47987	-118.8794	hud	N	N	5/21/1951	PluggedOG
-1	4.11E+08	Lee	1	Plugged	OG	Oil & Gas	5610	MacDonalc	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49416	-118.8785	hud	N	N		PluggedOG
-1	4.11E+08	Twilight	1	Plugged	OG	Oil & Gas	F1450	Fortune Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	20	05N	19W	SB	34.50784	-118.8845	hud	N	N	10/22/1964	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7754	Section Tw	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	20	05N	19W	SB	34.49862	-118.8918	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4199	Imperial Gy	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4724	-118.9015	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	9184	White Star	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	19	05N	19W	SB	34.50308	-118.9069	hud	N	N		PluggedOG
-1	4.11E+08	Blinn	1	Plugged	DH	Dry Hole	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45659	-118.9154	hud	N	Y	10/16/1960	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	P1300	Parbe Oil C	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45978	-118.9234	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	36	05N	20W	SB	34.46967	-118.9255	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Kentuck	1	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45792	-118.924	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	D4550	W. R. Dudl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46492	-118.9219	hud	N	N		PluggedOG
-1	4.11E+08	Blinn Sespe	1	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45556	-118.9198	hud	N	N	8/4/1940	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	2699	Estate of A	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46004	-118.9308	hud	N	N		PluggedOG
-1	4.11E+08	Coldwater	1	Plugged	OG	Oil & Gas	2511	Eastern Int	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	36	05N	20W	SB	34.47183	-118.931	hud	N	N	10/20/1964	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	2722	Estate of Fr	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47276	-118.8745	hud	N	N		PluggedDH
-1	4.11E+08	Church	1	Plugged	DH	Dry Hole	9127	Western Er	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48127	-118.8729	hud	N	N	8/1/1955	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7501	Ruth J. Bis	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	34	05N	19W	SB	34.47491	-118.8577	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4063	Hopper Ca	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	3	04N	19W	SB	34.46216	-118.85	hud	N	N		PluggedOG
-1	4.11E+08	Outlook	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48559	-118.8687	hud	N	N		PluggedOG
-1	4.11E+08	Rehart	1	Plugged	OG	Oil & Gas	P4625	R. Scott Pri	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	4	04N	19W	SB	34.4664	-118.8714	hud	N	Y	2/25/1965	PluggedOG
-1	4.11E+08	Scott	1	Plugged	OG	Oil & Gas	8370	The Miocer	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47995	-118.8777	hud	N	N		PluggedOG
-1	4.11E+08	Connell	1	Plugged	DH	Dry Hole	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46038	-118.9119	hud	N	Y	6/4/1962	PluggedDH
-1	4.11E+08	Phillips	1	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49145	-118.8849	hud	N	N	9/23/1935	PluggedOG
-1	4.11E+08	Seltzer	1	Plugged	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47782	-118.8848	GPS	N	Y	7/19/1961	PluggedWD
-1	4.11E+08	Blinn-Aidlir	1	Plugged	DH	Dry Hole	7241	Reserve Oil	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45591	-118.9202	hud	N	N	9/17/1962	PluggedDH
-1	4.11E+08	Ivers-Van T	1	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4598	-118.9236	hud	N	N		PluggedOG
-1	4.11E+08	Carlsberg-V	1	Plugged	DH	Dry Hole	B5800	C. F. Braun	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45723	-118.9258	hud	N	Y	1/5/1978	PluggedDH
-1	4.11E+08	USL	1	Plugged	DH	Dry Hole	8032	St. Louis Oi	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	25	05N	20W	SB	34.49108	-118.9252	hud	N	N		PluggedDH
-1	4.11E+08	Van Trees	1	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45506	-118.9291	hud	N	Y		PluggedDH
-1	4.11E+08	Mouth	1	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	26	05N	20W	SB	34.49273	-118.9427	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1-A	Plugged	OG	Oil & Gas	2699	Estate of A	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	1	04N	20W	SB	34.46539	-118.934	hud	N	N		PluggedOG
-1	4.11E+08	Wildcat	1-W	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47861	-118.8862	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	10	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4874	-118.8798	hud	N	N	11/22/1887	PluggedOG
-1	4.11E+08	Well No.	10	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48908	-118.9203	hud	N	N		PluggedOG
-1	4.11E+08	Union Star	10	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45929	-118.9228	hud	N	N		PluggedOG
-1	4.11E+08	Central	10	Plugged	DH	Dry Hole	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45722	-118.9147	hud	N	N		PluggedDH
-1	4.11E+08	Kentuck	10	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45816	-118.9234	GPS	N	N	4/23/1923	PluggedOG
-1	4.11E+08	Nathan	10	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.49878	-118.9482	hud	N	N	6/18/1951	PluggedOG
-1	4.11E+08	Blinn	10X	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45416	-118.9208	hud	N	N	4/8/1980	PluggedOG
-1	4.11E+08	White Star	11	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47738	-118.8804	hud	N	N	11/1/1912	PluggedOG
-1	4.11E+08	Well No.	11	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.4889	-118.9202	hud	N	N		PluggedOG
-1	4.11E+08	Kentuck	11	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45932	-118.9239	hud	N	N		PluggedOG
-1	4.11E+08	White Star	12	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47486	-118.8817	GPS	N	N		PluggedOG
-1	4.11E+08	Kentuck	12	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45949	-118.9241	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	12	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49657	-118.8777	hud	N	N	02/20/1888	PluggedOG
-1	4.11E+08	Higgins	127-21	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.49816	-118.8823	hud	N	Y	6/19/1990	PluggedOG
-1	4.11E+08	Kentuck	13	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4571	-118.9237	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	13 1-2	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4578	-118.9226	hud	N	N	8/15/1941	PluggedOG
-1	4.11E+08	Tar Creek	14	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49514	-118.882	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	14	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45847	-118.9233	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	14-28	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49062	-118.8837	hud	N	N	6/20/1934	PluggedOG
-1	4.11E+08	Tar Creek	14A-28	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49112	-118.8831	hud	N	N	11/1/1942	PluggedOG
-1	4.11E+08	Well No.	15	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45808	-118.9237	hud	N	N	11/19/1950	PluggedOG
-1	4.11E+08	White Star	15	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47488	-118.8789	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	15	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50314	-118.8808	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	17	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.49828	-118.8793	hud	N	N	04/01/1889	PluggedOG
-1	4.11E+08	White Star	18	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47593	-118.8827	hud	N	N		PluggedOG
-1	4.11E+08	Outlook	1A	Plugged	OG	Oil & Gas	P3875	Freeport-M	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48532	-118.8688	hud	N	N		PluggedOG
-1	4.11E+08	T.G. - R.R.	1US	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49331	-118.8861	hud	N	Y		PluggedOG
-1	4.11E+08	Zuni Tar Cr	2	Plugged	OG	Oil & Gas	9418	Zuni Oil Co	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49423	-118.8793	hud	N	N	8/10/1950	PluggedOG
-1	4.11E+08	Dixie	2	Plugged	OG	Oil & Gas	2169	Dixie Natio	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46691	-118.9	hud	N	N		PluggedOG
-1	4.11E+08	Junction	2	Plugged	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	19W	SB	34.4596	-118.9089	hud	N	N		PluggedOG
-1	4.11E+08	Basenberg	2	Plugged	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46592	-118.9004	GPS	N	Y	11/20/1968	PluggedWD
-1	4.11E+08	Hedman	2	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4765	-118.8838	GPS	N	N	7/14/1965	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	7785	Sespe Expl	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47213	-118.8921	hud	N	N		PluggedOG
-1	4.11E+08	Hawkswing	2	Plugged	OG	Oil & Gas	A3500	Argo Petrol	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45857	-118.9158	hud	N	N	5/25/1964	PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	DH	Dry Hole	1894	Crawford H	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	35	05N	20W	SB	34.4741	-118.942	hud	N	N		PluggedDH
-1	4.11E+08	Mouth	2	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	26	05N	20W	SB	34.49508	-118.9422	hud	N	N		PluggedOG
-1	4.11E+08	Nathan	2	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.50321	-118.9534	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46984	-118.8731	GPS	N	N		PluggedOG
-1	4.11E+08	White Star	2	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47526	-118.8828	hud	N	N		PluggedOG
-1	4.11E+08	Ireland	2	Plugged	OG	Oil & Gas	F1450	Fortune Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50592	-118.8835	hud	N	N	10/3/1962	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	6014	Modoc Pet	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	20	05N	19W	SB	34.49842	-118.8925	hud	N	N		PluggedOG
-1	4.11E+08	Kentuck	2	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45906	-118.9243	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Connell	2	Plugged	DH	Dry Hole	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46038	-118.9141	hud	N	N		PluggedDH
-1	4.11E+08	Side Hill	2	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4729	-118.8957	hud	N	N		PluggedOG
-1	4.11E+08	Star	2	Plugged	OG	Oil & Gas	T0125	TB Properti	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45762	-118.9234	GPS	N	N	01/12/1891	PluggedOG
-1	4.11E+08	Blinn	2	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45592	-118.9156	hud	N	N		PluggedOG
-1	4.11E+08	Central	2	Plugged	OG	Oil & Gas	C5550	Chemassist	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45933	-118.9119	GPS	N	N	1/1/1983	PluggedOG
-1	4.11E+08	White Star	20	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47937	-118.8808	GPS	N	N	11/17/1925	PluggedOG
-1	4.11E+08	White Star	21	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47662	-118.8822	GPS	N	N		PluggedOG
-1	4.11E+08	Sunset	23VH	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50976	-118.8832	hud	N	N	10/31/1996	PluggedOG
-1	4.11E+08	White Star	24	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49506	-118.8764	GPS	N	N	7/25/1950	PluggedOG
-1	4.11E+08	Tar Creek	24	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49549	-118.8765	hud	N	N	09/01/1889	PluggedOG
-1	4.11E+08	Tar Creek	25	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48787	-118.8736	GPS	N	N	09/11/1889	PluggedOG
-1	4.11E+08	Tar Creek	26	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4864	-118.8808	hud	N	N	02/10/1890	PluggedOG
-1	4.11E+08	Tar Creek	26V-28	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48666	-118.8802	hud	N	N	1/1/1966	PluggedOG
-1	4.11E+08	Tar Creek	27	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48859	-118.8737	GPS	N	N	04/01/1890	PluggedOG
-1	4.11E+08	Federal	27-3	Plugged	OG	Oil & Gas	B7600	R. L. Burns	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47873	-118.8674	hud	N	N	3/22/1975	PluggedOG
-1	4.11E+08	Tar Creek	28	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48904	-118.8752	GPS	N	N	08/01/1890	PluggedOG
-1	4.11E+08	Lynch Sesp	28-1	Plugged	OG	Oil & Gas	5610	MacDonalc	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49385	-118.8787	hud	N	N		PluggedOG
-1	4.11E+08	Higgins	3	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.5062	-118.8801	hud	N	N	8/22/1966	PluggedOG
-1	4.11E+08	Four Forks	3	Plugged	OG	Oil & Gas	7785	Sespe Explo	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47349	-118.8908	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	25	05N	20W	SB	34.48912	-118.9209	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	T3300	Topa Topa	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.46986	-118.872	hud	N	N		PluggedOG
-1	4.11E+08	Ireland	3	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	06N	19W	SB	34.49867	-118.8833	hud	N	N	3/27/1966	PluggedOG
-1	4.11E+08	Blinn	3	Plugged	OG	Oil & Gas	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45611	-118.9145	hud	N	N	9/6/1963	PluggedOG
-1	4.11E+08	Junction	3	Plugged	OG	Oil & Gas	U0200	Union Oil C	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	6	04N	17W	SB	34.4582	-118.9087	hud	N	N		PluggedOG
-1	4.11E+08	Nathan	3	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.50013	-118.9481	hud	N	N		PluggedOG
-1	4.11E+08	Kentuck	3	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45928	-118.9235	hud	N	N		PluggedOG
-1	4.11E+08	Star	3	Plugged	OG	Oil & Gas	T0125	TB Properti	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45724	-118.9229	GPS	N	N	11/01/1890	PluggedOG
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	2169	Dixie Natio	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46584	-118.9007	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	30	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49552	-118.8764	hud	N	N		PluggedOG
-1	4.11E+08	Blinn	3X	Plugged	Multi	Multi-Purp	S2750	Sespe Leas	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45503	-118.916	hud	N	N	4/23/1980	PluggedMulti
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45761	-118.9229	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	4	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49396	-118.8761	hud	N	N	08/02/1887	PluggedOG
-1	4.11E+08	Dixie	4	Plugged	OG	Oil & Gas	6244	Newell Oil	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	5	04N	19W	SB	34.46486	-118.9004	hud	N	N		PluggedOG
-1	4.11E+08	Star	4	Plugged	OG	Oil & Gas	T0125	TB Properti	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4564	-118.9231	GPS	N	N	4/19/1920	PluggedOG
-1	4.11E+08	Nathan	4	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.50048	-118.9489	hud	N	N		PluggedOG
-1	4.11E+08	Twilight	4	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50819	-118.8834	hud	N	N	12/1/1968	PluggedOG
-1	4.11E+08	Ireland	4	Plugged	OG	Oil & Gas	F1450	Fortune Pe	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	21	05N	19W	SB	34.50549	-118.8829	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	40	Plugged	WF	Waterflood	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49034	-118.8755	GPS	N	N	8/22/1948	PluggedWF
-1	4.11E+08	Tar Creek	41	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49125	-118.8769	GPS	N	N	4/3/1949	PluggedOG
-1	4.11E+08	Tar Creek	42	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48895	-118.8764	GPS	N	N	4/26/1949	PluggedOG
-1	4.11E+08	Tar Creek	44	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.4912	-118.8768	GPS	N	N	4/22/1949	PluggedOG
-1	4.11E+08	Tar Creek	45	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49527	-118.8771	hud	N	N	6/24/1949	PluggedOG
-1	4.11E+08	Tar Creek	46	Plugged	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49062	-118.8735	GPS	N	N	8/12/1949	PluggedWD
-1	4.11E+08	Tar Creek	47	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48868	-118.8761	hud	N	N	7/24/1949	PluggedOG
-1	4.11E+08	Tar Creek	48	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49062	-118.8782	GPS	N	N	9/1/1949	PluggedOG
-1	4.11E+08	Tar Creek	49	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48996	-118.873	GPS	N	N	9/12/1949	PluggedOG
-1	4.11E+08	Star	5	Plugged	OG	Oil & Gas	T0125	TB Properti	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45847	-118.922	hud	N	N	4/19/1920	PluggedOG
-1	4.11E+08	Hogshead	5	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.4782	-118.889	hud	N	N		PluggedOG
-1	4.11E+08	Sespe	5	Plugged	DH	Dry Hole	C0557	Carbon Cal	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45996	-118.9171	hud	N	N	9/27/1963	PluggedDH
-1	4.11E+08	Nathan	5	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.5001	-118.9495	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	1870	Cosmopolit	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.48141	-118.8757	hud	N	N		PluggedOG
-1	4.11E+08	Lynn	5	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46265	-118.907	hud	N	Y	10/17/1969	PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45882	-118.9226	hud	N	N	4/11/1921	PluggedOG
-1	4.11E+08	Tar Creek	5	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48653	-118.8783	hud	N	N	08/13/1887	PluggedOG
-1	4.11E+08	White Star	5	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.47758	-118.8818	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	50	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48913	-118.8703	hud	N	N	10/23/1949	PluggedOG
-1	4.11E+08	Tar Creek	51	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48988	-118.8729	GPS	N	N	9/21/1949	PluggedOG
-1	4.11E+08	Tar Creek	52	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48821	-118.8727	GPS	N	N	12/26/1958	PluggedOG
-1	4.11E+08	Tar Creek	53	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48704	-118.8791	GPS	N	N	9/3/1959	PluggedOG
-1	4.11E+08	Tar Creek	54	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48792	-118.8762	hud	N	N	3/28/1960	PluggedOG
-1	4.11E+08	Tar Creek	55	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49522	-118.8778	GPS	N	N	9/19/1960	PluggedOG
-1	4.11E+08	Nathan	6	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.49775	-118.9478	hud	N	N		PluggedOG
-1	4.11E+08	Kentuck	6	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45863	-118.923	hud	N	N		PluggedOG
-1	4.11E+08	Kentuck	6	Plugged	OG	Oil & Gas	P3875	Freeport-M	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4576	-118.9236	hud	N	N	01/22/1898	PluggedOG
-1	4.11E+08	Four Forks	6	Plugged	OG	Oil & Gas	7785	Sespe Explo	Sespe	Foot of The Hills	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47213	-118.8921	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Seltzer	6	Plugged	WD	Water Disp	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47547	-118.8888	GPS	N	Y	6/7/1967	PluggedWD
-1	4.11E+08	Tar Creek	6	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49002	-118.8748	hud	N	N	09/13/1887	PluggedOG
-1	4.11E+08	Arundell	1-Jun	Plugged	DH	Dry Hole	7233	Republic O	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45491	-118.9054	hud	N	N	6/27/1947	PluggedDH
-1	4.11E+08	Tar Creek	7	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48815	-118.8794	hud	N	N	10/04/1887	PluggedOG
-1	4.11E+08	Well No.	7	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45883	-118.9238	hud	N	N	4/21/1923	PluggedOG
-1	4.11E+08	Kentuck	7	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45903	-118.924	hud	N	N		PluggedOG
-1	4.11E+08	Nathan	7	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.5009	-118.948	hud	N	N		PluggedOG
-1	4.11E+08	Tar Creek	74-29	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.49059	-118.8867	hud	N	Y		PluggedOG
-1	4.11E+08	Kentuck	8	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45876	-118.924	hud	N	N	9/17/1918	PluggedOG
-1	4.11E+08	Nathan	8	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.49947	-118.9533	hud	N	N		PluggedOG
-1	4.11E+08	Central	8	Plugged	OG	Oil & Gas	C4500	Central Lea	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.45653	-118.9156	hud	N	Y	1/2/1960	PluggedOG
-1	4.11E+08	Tar Creek	8	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49612	-118.8775	hud	N	N	10/28/1887	PluggedOG
-1	4.11E+08	Well No.	8	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45853	-118.9238	hud	N	N		PluggedOG
-1	4.11E+08	Red Rock	82X-32	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	32	05N	19W	SB	34.47968	-118.8865	hud	N	N	11/30/1970	PluggedOG
-1	4.11E+08	Shale Ridge	87-29	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	29	05N	19W	SB	34.48582	-118.8846	hud	N	N	2/20/1948	PluggedOG
-1	4.11E+08	Well No.	9	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.4602	-118.9236	GPS	N	N	3/19/1925	PluggedOG
-1	4.11E+08	Union Star	9	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45942	-118.9238	GPS	N	N	6/18/1932	PluggedOG
-1	4.11E+08	Lynn	9	Plugged	OG	Oil & Gas	H4475	Hinkle Expl	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	6	04N	19W	SB	34.46095	-118.9104	hud	N	N	7/16/1970	PluggedOG
-1	4.11E+08	Tar Creek	9	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49493	-118.876	hud	N	N	11/11/1887	PluggedOG
-1	4.11E+08	Nathan	9	Plugged	OG	Oil & Gas	8621	U. S. Forest	Sespe	Section 23 & 26	Ventura County	Northern	Ventura	23	05N	20W	SB	34.49978	-118.9481	hud	N	N		PluggedOG
-1	4.11E+08	Kentuck	9	Plugged	OG	Oil & Gas	I0900	H. A. Ivers	Sespe	Little Sespe Creek	Ventura County	Northern	Ventura	1	04N	20W	SB	34.45906	-118.9235	hud	N	N		PluggedOG
-1	4.11E+08	Cesapi T.C.	A	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49087	-118.8751	GPS	N	N	01/01/1887	PluggedOG
-1	4.11E+08	Cesapi T.C.	B	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.48969	-118.876	GPS	N	N	04/15/1887	PluggedOG
-1	4.11E+08	Cesapi T.C.	C	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49025	-118.8755	GPS	N	N	10/18/1897	PluggedOG
-1	4.11E+08	Cesapi T.C.	D	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	28	05N	19W	SB	34.49161	-118.8756	GPS	N	N	11/11/1887	PluggedOG
-1	4.11E+08	White Star	K-S	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Sespe	Tar Creek-Topatopa	Ventura County	Northern	Ventura	33	05N	19W	SB	34.4706	-118.883	hud	N	N	4/18/1965	PluggedOG
-1	4.11E+08	SIZU	VPC-6	Canceled	OG	Oil & Gas	V1370	Vintage Prc	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37448	-118.8771	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	WD	1	Idle	WD	Water Disp	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36803	-118.8624	GPS	N	N	4/19/1995	IdleWD
-1	4.11E+08	Lease by Ca	1	Idle	WD	Water Disp	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37067	-118.8871	Well Summ	N	Y	7/5/1981	IdleWD
-1	4.11E+08	Lease by Ca	120	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37007	-118.8776	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3729	-118.8864	GPS	N	N		IdleOG
-1	4.11E+08	Calumet	17	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36774	-118.8622	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37312	-118.8856	GPS	N	N		IdleOG
-1	4.11E+08	Calumet	19	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36758	-118.8619	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	203	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37362	-118.8832	GPS	N	N		IdleOG
-1	4.11E+08	Calumet	21	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36821	-118.8628	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	213A	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37405	-118.8798	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	239	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37345	-118.8803	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	240	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37386	-118.8809	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	245	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37216	-118.8837	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	246	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37252	-118.8833	GPS	N	N		IdleOG
-1	4.11E+08	Home Ranc	3	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36593	-118.8666	GPS	N	N	3/29/1936	IdleOG
-1	4.11E+08	Shiells	1-Mar	Idle	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37336	-118.878	hud	N	N		IdleOG
-1	4.11E+08	Shiells	2-Mar	Idle	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37346	-118.878	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3A	Idle	DH	Dry Hole	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37428	-118.8783	hud	N	N		IdleDH
-1	4.11E+08	Home Ranc	6	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36691	-118.8666	GPS	N	N	8/15/1937	IdleOG
-1	4.11E+08	Lease by Ca	74	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36865	-118.8708	GPS	N	N		IdleOG
-1	4.11E+08	Home Ranc	8	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36799	-118.8627	GPS	N	Y	11/14/1981	IdleOG
-1	4.11E+08	Home Ranc	9	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36808	-118.8629	GPS	N	Y	6/1/1982	IdleOG
-1	4.11E+08	Calumet	B-1	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36451	-118.8665	GPS	N	N		IdleOG
-1	4.11E+08	Calumet	B-2	Idle	OG	Oil & Gas	J1975	Joro Inc.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.3645	-118.8655	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	E1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36916	-118.8831	GPS	N	N	9/24/1979	IdleOG
-1	4.11E+08	Lease by Ca	E14	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36881	-118.8742	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	E15	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36545	-118.8692	Well Summ	N	Y	5/2/1982	IdleOG
-1	4.11E+08	Lease by Ca	E17	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36782	-118.8686	GPS	N	Y	9/22/1984	IdleOG
-1	4.11E+08	Lease by Ca	E18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36675	-118.8719	GPS	N	Y	11/8/1984	IdleOG
-1	4.11E+08	Lease by Ca	E2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36871	-118.8806	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	E3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36801	-118.8785	GPS	N	N	5/12/1980	IdleOG
-1	4.11E+08	Lease by Ca	E5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36906	-118.8841	GPS	N	Y	8/10/1980	IdleOG
-1	4.11E+08	Lease by Ca	E6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36878	-118.8808	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	E8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37046	-118.8836	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	E9	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37114	-118.8776	GPS	N	Y	1/6/1981	IdleOG
-1	4.11E+08	Lease by Ca	T-161	Idle	WD	Water Disp	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36687	-118.8773	GPS	N	Y	1/27/1948	IdleWD
-1	4.11E+08	Lease by Ca	T-224	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3728	-118.8713	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	T-227	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37405	-118.8855	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	T-229	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37155	-118.8739	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	VPC-1	Idle	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37463	-118.8771	Well Summ	N	Y	6/25/2014	IdleOG
-1	4.11E+08	Lease by Ca	WI-33	Idle	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36102	-118.8701	hud	N	N		IdleWF
-1	4.11E+08	Lease by Ca	WI-40	Idle	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37204	-118.8906	hud	N	N		IdleWF
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36674	-118.8721	Notice of Ir	N	N	8/26/2012	ActiveOG
-1	4.11E+08	Lease by Ca	1P-4	Active	WD	Water Disp	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37461	-118.877	Well Summ	N	Y	1/7/2013	ActiveWD
-1	4.11E+08	Basolo	4A	Active	OG	Oil & Gas	C5550	Chemassist	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37658	-118.8987	GPS	N	N		ActiveOG
-1	4.11E+08	Basolo	5	Active	OG	Oil & Gas	C5550	Chemassist	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37624	-118.8996	GPS	N	N		ActiveOG
-1	4.11E+08	Basolo	6	Active	OG	Oil & Gas	C5550	Chemassist	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37617	-118.9007	GPS	N	N		ActiveOG
-1	4.11E+08	Basolo	9	Active	OG	Oil & Gas	C5550	Chemassist	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37571	-118.9006	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	E10	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36742	-118.877	GPS	N	Y	2/15/1981	ActiveOG
-1	4.11E+08	Lease by Ca	E11	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36755	-118.8718	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	E12	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36691	-118.872	GPS	N	Y	3/25/1982	ActiveOG
-1	4.11E+08	Lease by Ca	E7	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36803	-118.8785	GPS	N	Y	10/16/1980	ActiveOG
-1	4.11E+08	Lease by Ca	T-141	Active	WD	Water Disp	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3671	-118.8806	GPS	N	Y	7/12/1949	ActiveWD
-1	4.11E+08	Lease by Ca	T-157	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37326	-118.8827	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	T-158	Active	WD	Water Disp	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36766	-118.8786	GPS	N	N		ActiveWD
-1	4.11E+08	Lease by Ca	T-250	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36518	-118.8698	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	VPC-2	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37458	-118.8771	Well Summ	N	N	7/1/2014	ActiveOG
-1	4.11E+08	Lease by Ca	VPC-3	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37452	-118.8771	Well Summ	N	Y	7/14/2014	ActiveOG
-1	4.11E+08	Lease by Ca	VPC-5	Active	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37287	-118.8713	Notice of Ir	N	N	7/1/2014	ActiveOG
-1	4.11E+08	Elkins Ranc	1	Plugged	DH	Dry Hole	9425	Kenneth H.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36974	-118.8946	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7213	Reed Elkins	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37134	-118.895	hud	N	N		PluggedDH
-1	4.11E+08	Calumet	1	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37357	-118.866	hud	N	N		PluggedOG
-1	4.11E+08	Waddle-Jei	1	Plugged	OG	Oil & Gas	6792	Petroleum	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37597	-118.9009	hud	N	N		PluggedOG
-1	4.11E+08	Burson Rar	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37707	-118.9068	hud	N	N		PluggedDH
-1	4.11E+08	Elkins 1	1	Plugged	OG	Oil & Gas	9425	Kenneth H.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37025	-118.9066	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	1	Plugged	OG	Oil & Gas	6044	Montebell	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36557	-118.8944	hud	N	N	11/27/1916	PluggedOG
-1	4.11E+08	Basolo	1	Plugged	OG	Oil & Gas	3236	Galveston (	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37683	-118.9001	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37341	-118.8759	hud	N	N		PluggedOG
-1	4.11E+08	S-R-M-C	1	Plugged	DH	Dry Hole	6833	Phillips Oil	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37557	-118.8667	hud	N	N		PluggedDH
-1	4.11E+08	Burson T-N	1	Plugged	DH	Dry Hole	8188	T & T Oil C	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37463	-118.9066	hud	N	N		PluggedDH
-1	4.11E+08	Elkins	1	Plugged	DH	Dry Hole	T2600	Wm. Thorn	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3686	-118.8978	hud	N	N		PluggedDH
-1	4.11E+08	Burson	1	Plugged	DH	Dry Hole	3825	Harris Oil C	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3763	-118.9024	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8563	Triple A Inv	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37079	-118.8945	hud	N	N		PluggedOG
-1	4.11E+08	Burson	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37538	-118.9028	hud	N	N		PluggedOG
-1	4.11E+08	John B	1	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37585	-118.9028	hud	N	N		PluggedOG
-1	4.11E+08	Basolo	10	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37706	-118.8991	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37249	-118.8737	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3764	-118.8956	GPS	N	N		PluggedOG
-1	4.11E+08	Elkins	10	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37247	-118.9016	Well Summ	N	N	7/24/1955	PluggedOG
-1	4.11E+08	Lease by Ca	100	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36839	-118.8734	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	102	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36915	-118.8682	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	103	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36794	-118.8685	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	107	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36852	-118.8753	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	109	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37358	-118.8701	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37361	-118.8733	hud	N	N		PluggedOG
-1	4.11E+08	Calumet	11	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37235	-118.8595	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37457	-118.8935	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37583	-118.8994	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	11	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37294	-118.8994	Well Summ	N	N	12/18/1955	PluggedOG
-1	4.11E+08	Lease by Ca	114	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37137	-118.877	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	117	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37058	-118.8772	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	118	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3702	-118.8765	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	119	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37014	-118.8765	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37418	-118.8737	hud	N	N		PluggedOG
-1	4.11E+08	Calumet	12	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37032	-118.8646	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37484	-118.8976	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	122	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37286	-118.8733	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	123	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37104	-118.8721	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	124	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36968	-118.8767	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	125	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36965	-118.8768	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	126	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37079	-118.8764	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37203	-118.8866	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37397	-118.8726	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37127	-118.9054	hud	N	N		PluggedOG
-1	4.11E+08	Calumet	13	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36432	-118.8606	hud	N	N	5/7/1922	PluggedOG
-1	4.11E+08	Lease by Ca	130	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3674	-118.8714	GPS	N	N	4/28/1936	PluggedOG
-1	4.11E+08	Lease by Ca	131	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36641	-118.8708	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	133	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36637	-118.8686	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	134	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36719	-118.8699	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	135	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3658	-118.8735	hud	N	N	8/4/1938	PluggedOG
-1	4.11E+08	Calumet	14	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.3688	-118.8641	hud	N	N	4/1/1924	PluggedOG
-1	4.11E+08	Lease by Ca	14	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37446	-118.8878	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	14	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37421	-118.9045	Well Summ	N	N	10/13/1956	PluggedOG
-1	4.11E+08	Lease by Ca	14	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37349	-118.8717	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37179	-118.8857	GPS	N	Y		PluggedOG
-1	4.11E+08	Elkins	15	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3745	-118.8987	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3727	-118.8715	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	150	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37315	-118.8843	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Ca	151	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36645	-118.8842	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	153	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36496	-118.8823	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	155	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36589	-118.884	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37231	-118.8723	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	16	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37228	-118.8998	Well Summ	N	N	7/26/1957	PluggedOG
-1	4.11E+08	Lease by Ca	164	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36666	-118.8724	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	165	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36974	-118.8689	hud	N	N	8/19/1949	PluggedOG
-1	4.11E+08	Lease by Ca	166	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37209	-118.8706	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	167	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37151	-118.8713	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	168	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37152	-118.8699	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	169	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37094	-118.8706	hud	N	N		PluggedINJ
-1	4.11E+08	Elkins	17	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37183	-118.9011	Well Summ	N	N	2/9/1958	PluggedOG
-1	4.11E+08	Lease by Ca	17	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37252	-118.873	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	17	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37258	-118.8875	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	172	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37061	-118.8695	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	173	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37013	-118.8707	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	174	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36993	-118.8723	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	175	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37112	-118.8726	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	176	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37237	-118.8726	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	177	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37246	-118.8717	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	178	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37271	-118.8707	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	179	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37234	-118.8693	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37209	-118.8885	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	18	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37088	-118.8975	Well Summ	N	N	6/17/1958	PluggedOG
-1	4.11E+08	Lease by Ca	18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37205	-118.8711	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	180	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37341	-118.8692	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	181	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37381	-118.8705	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	182	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37368	-118.8718	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	183	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37341	-118.8732	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	184	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37306	-118.8748	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	185	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37181	-118.8744	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	186	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37462	-118.8722	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	187	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37442	-118.8736	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	188	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37415	-118.8751	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	189	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37375	-118.8742	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	19	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37167	-118.8718	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	190	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37072	-118.8739	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	191	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37135	-118.8733	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	192	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36951	-118.8736	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	193	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37026	-118.8731	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	194	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36862	-118.8719	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	195	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36885	-118.8706	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	196	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36836	-118.8732	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	197	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37288	-118.876	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	198	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36912	-118.875	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	199	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37142	-118.8775	hud	N	N		PluggedINJ
-1	4.11E+08	Basolo	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37603	-118.8987	hud	N	N		PluggedOG
-1	4.11E+08	Seaboard-(	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36781	-118.858	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37322	-118.8743	hud	N	N		PluggedOG
-1	4.11E+08	C-S	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37265	-118.8573	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	D. & D. Elki	2	Plugged	DH	Dry Hole	D4100	C. D. Drauc	Shiells Canyon	Main	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37116	-118.9053	hud	N	N		PluggedDH
-1	4.11E+08	Elkins 1	2	Plugged	OG	Oil & Gas	9425	Kenneth H.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37081	-118.9059	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	2	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37438	-118.8988	Well Summ	N	N	10/2/1952	PluggedOG
-1	4.11E+08	Elkins	2	Plugged	OG	Oil & Gas	6044	Montebell	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37394	-118.8988	hud	N	N	7/26/1919	PluggedOG
-1	4.11E+08	Burson	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37518	-118.9038	hud	N	N		PluggedOG
-1	4.11E+08	Thornbury-	2	Plugged	DH	Dry Hole	T2600	Wm. Thorn	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	8	03N	19W	SB	34.36308	-118.8859	hud	N	N		PluggedDH
-1	4.11E+08	Elkins	20	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37102	-118.8942	Well Summ	N	Y	3/20/1959	PluggedOG
-1	4.11E+08	Lease by Ca	20	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37179	-118.8732	hud	N	N		PluggedOG
-1	4.11E+08	Calumet	20	Plugged	Multi	Multi-Purp	J1975	Joro Inc.	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36789	-118.8625	GPS	N	Y	7/18/1982	PluggedMulti
-1	4.11E+08	Lease by Ca	200	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37015	-118.8772	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	201	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37342	-118.8757	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	202	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37402	-118.8834	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	204	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37269	-118.8851	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	205	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37512	-118.8849	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	206	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37464	-118.8814	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	207	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37355	-118.8815	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	208	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37108	-118.8808	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	209	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36789	-118.8688	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	21	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37193	-118.874	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	21	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36957	-118.8977	Well Summ	N	N	11/25/1959	PluggedOG
-1	4.11E+08	Lease by Ca	210	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37462	-118.8774	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	211	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37131	-118.8775	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	212	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37282	-118.8818	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	213	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3743	-118.8798	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	214	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36955	-118.8761	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	215	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36771	-118.8786	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	217	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37332	-118.883	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	217A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37319	-118.8828	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	218	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37424	-118.8819	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	219	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37424	-118.8846	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	22	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37458	-118.8987	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	22	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37253	-118.8754	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	221	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37101	-118.8711	hud	N	N	3/5/1966	PluggedOG
-1	4.11E+08	Lease by Ca	222	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37341	-118.8815	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	222A	Plugged	SF	Steamflood	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37326	-118.8814	hud	N	Y		PluggedSF
-1	4.11E+08	Lease by Ca	223	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37287	-118.8838	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	223A	Plugged	SF	Steamflood	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37277	-118.8841	hud	N	N		PluggedSF
-1	4.11E+08	Lease by Ca	225	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37261	-118.8851	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	225A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37267	-118.885	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	23	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37171	-118.8756	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	237	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37347	-118.8843	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	238	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37193	-118.8844	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	24-A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37084	-118.8765	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	241	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37206	-118.8849	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	243	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37146	-118.885	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	244	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37162	-118.8823	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	247	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37177	-118.881	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	26	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3711	-118.8733	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	27	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37109	-118.8723	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	28	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37126	-118.8713	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	29	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37148	-118.8706	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37332	-118.874	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	3	Plugged	OG	Oil & Gas	6360	O. R. Howa	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37227	-118.8991	hud	N	N		PluggedOG
-1	4.11E+08	Basolo	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37601	-118.8992	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	3	Plugged	DH	Dry Hole	711	Beloil Corp	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3689	-118.8909	hud	N	N	11/21/1948	PluggedDH
-1	4.11E+08	Lease by Ca	30	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37214	-118.87	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	31	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37264	-118.8707	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	32	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37325	-118.871	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	33	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37364	-118.8703	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	34	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37391	-118.8711	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	35	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3741	-118.8717	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	36	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37465	-118.8725	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	39	Plugged	DH	Dry Hole	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37429	-118.8697	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37404	-118.8753	hud	N	N		PluggedOG
-1	4.11E+08	Home Ranc	4	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36795	-118.8667	hud	N	N	10/30/1936	PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Elkins	4	Plugged	DH	Dry Hole	3118	Fred M. Ma	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36913	-118.8903	hud	N	N		PluggedDH
-1	4.11E+08	Elkins	4	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.37424	-118.9032	Well Summ	N	N	7/18/1953	PluggedOG
-1	4.11E+08	Elkins	4	Plugged	OG	Oil & Gas	2053	Daniel Fish	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36994	-118.8948	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	40	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37355	-118.8692	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	41	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37297	-118.8699	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	42	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37229	-118.8694	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	43	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37202	-118.8688	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	44	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37151	-118.8693	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	45	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37085	-118.8699	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	46	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37082	-118.8708	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	47	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37056	-118.8716	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	48	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37044	-118.8724	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	49	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36985	-118.8718	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	5	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37447	-118.9021	Well Summ	N	N	11/16/1953	PluggedOG
-1	4.11E+08	Home Ranc	5	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36797	-118.8643	hud	N	N	4/12/1937	PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37294	-118.8723	GPS	N	N		PluggedOG
-1	4.11E+08	Calumet	5	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37199	-118.8635	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	50	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37016	-118.871	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	51	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37018	-118.8701	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	52	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37048	-118.8693	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	53	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37094	-118.8689	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	54	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37146	-118.8684	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	56	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37175	-118.8696	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	57	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37265	-118.8687	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	59	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37268	-118.8712	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3722	-118.8747	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36915	-118.8883	hud	N	N	6/27/1944	PluggedOG
-1	4.11E+08	Elkins	6	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37399	-118.9004	Well Summ	N	N	3/2/1954	PluggedOG
-1	4.11E+08	Elkins	1-Jun	Plugged	DH	Dry Hole	H4400	Hilliard Oil	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.36898	-118.9096	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	61	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36972	-118.8693	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	62	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36954	-118.8703	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	63	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36929	-118.8713	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	64	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36919	-118.8721	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	65	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36966	-118.8727	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	67	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37049	-118.8739	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	68	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37055	-118.8747	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	69	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37001	-118.8744	hud	N	N		PluggedOG
-1	4.11E+08	Basolo	7	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37624	-118.9018	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	7	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37403	-118.9005	Well Summ	N	N	6/29/1954	PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37401	-118.8746	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37259	-118.8898	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	70	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36964	-118.8737	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	71	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36902	-118.8731	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	72	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36847	-118.8725	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	73	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36856	-118.8717	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	75	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36889	-118.8701	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	76	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3698	-118.8751	GPS	N	N		PluggedOG
-1	4.11E+08	Basolo	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37582	-118.9017	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37584	-118.8978	GPS	N	N		PluggedOG
-1	4.11E+08	Calumet	8	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36861	-118.8672	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	8	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	19W	SB	34.3718	-118.9035	Well Summ	N	N	10/22/1954	PluggedOG
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37313	-118.8749	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	81	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36615	-118.8739	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	83	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36901	-118.8739	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	84	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36935	-118.8745	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	85	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36987	-118.8746	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	86	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37096	-118.8754	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	88	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37029	-118.8758	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	88A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37036	-118.8759	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	89	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36959	-118.8762	hud	N	N		PluggedOG
-1	4.11E+08	Elkins	9	Plugged	OG	Oil & Gas	L2300	Lobodo, In	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37374	-118.9012	Well Summ	N	N	3/16/1955	PluggedOG
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3728	-118.8746	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	90	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36894	-118.8822	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	93	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36737	-118.8742	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	95	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3672	-118.872	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by C	99	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37188	-118.8728	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	B-1	Plugged	DH	Dry Hole	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36204	-118.8829	hud	N	N		PluggedDH
-1	4.11E+08	Calumet	B-3	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36665	-118.8607	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36829	-118.8627	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36887	-118.8665	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37221	-118.8674	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37178	-118.8656	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37174	-118.8666	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36974	-118.8632	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37001	-118.8671	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	C-9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37067	-118.8659	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CB-4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36494	-118.8672	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CPS-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36577	-118.8625	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CS-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.3709	-118.867	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CSC-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36858	-118.8621	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CSC-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36811	-118.8615	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CW-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36434	-118.8624	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	CW-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36535	-118.8614	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	E-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36335	-118.8776	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	E-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36335	-118.8786	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	E-4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36399	-118.879	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	E13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36684	-118.8722	hud	N	Y	4/23/1982	PluggedOG
-1	4.11E+08	Lease by C	E4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36754	-118.8838	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by C	HR-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36811	-118.867	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	HR-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	3	03N	19W	SB	34.3679	-118.8653	GPS	N	N		PluggedOG
-1	4.11E+08	Calumet	OB-1	Plugged	OG	Oil & Gas	J0350	Java Oil	Shiells Canyon	Main	Ventura County	Northern	Ventura	10	03N	19W	SB	34.36346	-118.8639	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37253	-118.8866	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-113	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36927	-118.8778	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-116	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36756	-118.8757	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-127	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36793	-118.8706	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-128	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36635	-118.8725	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-129	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36457	-118.8696	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-136	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36446	-118.8779	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-138	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36495	-118.88	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-144	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36992	-118.8821	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-146	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36808	-118.8844	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-147	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37104	-118.8844	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-148	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37104	-118.8807	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-152	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36641	-118.8825	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-154	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37151	-118.8758	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-156	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37289	-118.8805	GPS	N	Y		PluggedMulti
-1	4.11E+08	Lease by C	T-162	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	9	03N	19W	SB	34.3636	-118.8701	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by C	T-170	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36266	-118.8731	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37257	-118.8882	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-220	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37237	-118.8761	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-226	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36594	-118.8814	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-231	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36636	-118.8684	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by C	T-232	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36314	-118.8775	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-233	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36117	-118.8721	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-234	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36304	-118.8778	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-236	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36445	-118.8854	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-25	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37139	-118.8744	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37249	-118.8899	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-37	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37329	-118.8724	hud	N	N	6/22/1915	PluggedOG
-1	4.11E+08	Lease by C	T-38	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3718	-118.8728	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37384	-118.8891	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-55	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37173	-118.8678	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-60	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37031	-118.8686	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-66	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37014	-118.8728	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-77	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36935	-118.8718	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-80	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3679	-118.8726	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-82	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36885	-118.8735	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-85A	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36998	-118.8748	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-97	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37263	-118.8742	hud	N	N		PluggedOG
-1	4.11E+08	Lease by C	T-98	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36969	-118.8702	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Co	U-2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36901	-118.8866	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Co	U-3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37076	-118.8887	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Co	U-4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37009	-118.8876	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Co	U-8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36497	-118.8865	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Co	W-1	Plugged	WS	Water Sour	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37868	-118.8934	hud	N	N		PluggedWS
-1	4.11E+08	Lease by Co	W-2	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36206	-118.8827	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-1	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37677	-118.8979	hud	N	N		PluggedMulti
-1	4.11E+08	Lease by Co	WI-1	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37187	-118.8824	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-10	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37461	-118.8822	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-11	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37389	-118.8787	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-12	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37086	-118.878	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-13	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37044	-118.876	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-14	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36779	-118.8771	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-15	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36472	-118.8785	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-16	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36252	-118.8824	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-17	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36487	-118.8865	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-18	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36613	-118.8888	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-19	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37074	-118.8909	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-2	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36972	-118.8803	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-20	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37365	-118.8907	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-21	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37448	-118.8881	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-22	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37345	-118.8748	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-23	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37364	-118.8688	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-24	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.37181	-118.8647	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-25	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37094	-118.8713	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-26	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36892	-118.8658	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-27	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36781	-118.8688	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-28	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36739	-118.8739	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-29	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36433	-118.8704	hud	N	N	10/6/1940	PluggedWF
-1	4.11E+08	Lease by Co	WI-3	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36823	-118.8823	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-30	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36398	-118.8747	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-31	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36247	-118.8786	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-32	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	9	03N	19W	SB	34.36131	-118.8759	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-34	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	10	03N	19W	SB	34.36202	-118.8665	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-35	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36473	-118.8649	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-36	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36614	-118.8612	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-37	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37098	-118.8709	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-38	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36469	-118.8636	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-39	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36849	-118.8882	hud	N	N	10/18/1966	PluggedWF
-1	4.11E+08	Lease by Co	WI-4	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36803	-118.8842	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-41	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37341	-118.8749	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-42	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36746	-118.8839	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-43	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36824	-118.8866	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-44	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	3	03N	19W	SB	34.36701	-118.8649	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-45	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.3641	-118.8678	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-46	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.37359	-118.8875	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-48	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36862	-118.8754	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-49	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36645	-118.8687	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-5	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36958	-118.8844	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Co	WI-50	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36421	-118.8704	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-51	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	4	03N	19W	SB	34.37327	-118.8783	hud	N	Y		PluggedWF
-1	4.11E+08	Lease by Co	WI-52	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Shiells Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	19W	SB	34.36763	-118.8773	hud	N	N	11/27/1962	PluggedMulti
-1	4.11E+08	Lease by Co	WI-6	Plugged	INJ	Injection	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.36741	-118.8865	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Co	WI-8	Plugged	WF	Waterfloo	E0455	CalNRG Op	Shiells Canyon	Main	Ventura County	Northern	Ventura	5	03N	19W	SB	34.3707	-118.8864	hud	N	N		PluggedWF
-1	4.11E+08	Water Com	1	Idle	OG	Oil & Gas	B1725	Clarence R.	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.29873	-118.7203	hud	N	N		IdleOG
-1	4.11E+08	Patterson F	1	Idle	OG	Oil & Gas	B1725	Clarence R.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29875	-118.7211	hud	N	N		IdleOG
-1	4.11E+08	Strathearn	10	Idle	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27984	-118.8033	hud	N	N		IdleOG
-1	4.11E+08	Marr Ranch	101	Idle	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31153	-118.6954	hud	N	N		IdleOG
-1	4.11E+08	Marr Ranch	102	Idle	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31134	-118.6972	hud	N	N		IdleOG
-1	4.11E+08	Tapo	104	Idle	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	33	03N	18W	SB	34.30116	-118.7623	hud	N	N		IdleOG
-1	4.11E+08	Marr Ranch	14	Idle	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.3111	-118.6961	Well Summ	N	N		IdleOG
-1	4.11E+08	Marr Ranch	15	Idle	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31096	-118.6953	hud	N	N		IdleOG
-1	4.11E+08	Patterson F	2	Idle	OG	Oil & Gas	B1725	Clarence R.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29859	-118.7218	hud	N	N		IdleOG
-1	4.11E+08	Lease by W	35-1	Idle	OG	Oil & Gas	11109	West Energ	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30131	-118.7293	hud	N	Y	3/19/1994	IdleOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5938	Midway Sir	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30586	-118.7221	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	J & H Ranch	1	Plugged	OG	Oil & Gas	4544	James B. M	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29877	-118.7208	hud	N	N		PluggedOG
-1	4.11E+08	Getty Tapo	1	Plugged	DH	Dry Hole	M1700	Marathon (	Simi	Any Area	Ventura County	Northern	Ventura	25	03N	18W	SB	34.31772	-118.7177	hud	N	N		PluggedDH
-1	4.11E+08	Pacific Wes	1	Plugged	DG	Dry Gas	C7475	Condor Oil	Simi	Any Area	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30346	-118.7192	GPS	N	N		PluggedDG
-1	4.11E+08	Tapo	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30194	-118.7215	GPS	N	N		PluggedOG
-1	4.11E+08	Seargeant-	1	Plugged	DH	Dry Hole	2908	Federal Oil	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29815	-118.7173	hud	N	N		PluggedDH
-1	4.11E+08	Simco	1	Plugged	DH	Dry Hole	6319	Northridge	Simi	Any Area	Simi Valley	Northern	Ventura	31	03N	17W	SB	34.29897	-118.7055	hud	N	N		PluggedDH
-1	4.11E+08	Strathearn	1	Plugged	DH	Dry Hole	7819	Shell Oil Co	Simi	Strathearn (ABD)	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28095	-118.8008	hud	N	N		PluggedDH
-1	4.11E+08	K.C.	1	Plugged	DH	Dry Hole	4841	K. C. Oil Co	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30137	-118.6865	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	7709	Scarab Oil (	Simi	Canada de la Brea (ABD)	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30653	-118.7964	hud	N	N		PluggedDH
-1	4.11E+08	Canada de	1	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29729	-118.7831	hud	N	N		PluggedOG
-1	4.11E+08	Canada de	1	Plugged	CH	Core Hole	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29897	-118.7891	hud	N	N		PluggedCH
-1	4.11E+08	Hidalgo	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29843	-118.7242	hud	N	N		PluggedDH
-1	4.11E+08	Marr Ranch	1	Plugged	WD	Water Disp	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.3045	-118.7187	GPS	N	N		PluggedWD
-1	4.11E+08	Water Com	1	Plugged	OG	Oil & Gas	5609	MacDonalc	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29506	-118.7294	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	8993	W. W. Pow	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28095	-118.8019	hud	N	N		PluggedDH
-1	4.11E+08	Marr	1	Plugged	DH	Dry Hole	7819	Shell Oil Co	Simi	Old	Simi Valley	Northern	Ventura	31	03N	17W	SB	34.30647	-118.6949	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	7878	Simi Oil Co.	Simi	Any Area	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31335	-118.6948	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	S1500	John J. Schi	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29795	-118.7213	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	9277	Williamson	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30255	-118.7169	hud	N	N		PluggedDH
-1	4.11E+08	Dudley	1	Plugged	DH	Dry Hole	6990	R & K Hami	Simi	Any Area	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29385	-118.7329	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3991	Hidalgo Oil	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28117	-118.7997	hud	N	N		PluggedDH
-1	4.11E+08	Strathearn	1	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27995	-118.8027	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	10	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30367	-118.7246	GPS	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	10	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30698	-118.7084	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	101	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29874	-118.7368	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	102	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30103	-118.7359	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	103	Plugged	DH	Dry Hole	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	29	03N	17W	SB	34.31415	-118.6878	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	103	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30476	-118.7934	hud	N	N		PluggedOG
-1	4.11E+08	Canada de	11	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29905	-118.7864	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	11	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30463	-118.7203	GPS	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	11	Plugged	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.30944	-118.6966	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	11	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30523	-118.7096	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	11-A	Plugged	DH	Dry Hole	299	American E	Simi	Any Area	Simi Valley	Northern	Ventura	31	03N	17W	SB	34.29404	-118.7075	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	12	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30061	-118.7303	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	12	Plugged	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31	-118.6967	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	12	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30125	-118.7171	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	12	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29971	-118.7878	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	13	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30242	-118.7172	GPS	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	13	Plugged	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31013	-118.6978	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	13	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30345	-118.722	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	13	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30012	-118.7845	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	14	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30398	-118.711	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	14	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30096	-118.786	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	14	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30096	-118.7249	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	15	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29934	-118.7816	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	15	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.2994	-118.7296	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	15A	Plugged	WF	Waterfloo	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.3045	-118.7248	GPS	N	N		PluggedWF
-1	4.11E+08	Marr Ranch	16	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30117	-118.7184	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	16	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30012	-118.7285	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	16	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30068	-118.7824	hud	N	N		PluggedOG
-1	4.11E+08	Strathearn	16-6	Plugged	DH	Dry Hole	6833	Phillips Oil	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.29068	-118.8128	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	17	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29969	-118.7332	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	17	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30727	-118.7072	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	17	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30174	-118.7927	hud	N	N		PluggedOG
-1	4.11E+08	Marr	17	Plugged	DH	Dry Hole	7101	R. Robert R	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30721	-118.7075	hud	N	N		PluggedDH
-1	4.11E+08	Canada de	18	Plugged	Multi	Multi-Purp	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29998	-118.786	hud	N	N		PluggedMulti
-1	4.11E+08	Marr Ranch	18	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30595	-118.7059	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	18	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29825	-118.7324	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	19	Plugged	DH	Dry Hole	M2425	MH Marr	Simi	Old	Simi Valley	Northern	Ventura	31	03N	17W	SB	34.30404	-118.7059	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	19	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29845	-118.7283	GPS	N	N		PluggedOG
-1	4.11E+08	Hildalgo	2	Plugged	OG	Oil & Gas	A4500	Arco Oil an	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29797	-118.7255	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	2	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30267	-118.719	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	2	Plugged	CH	Core Hole	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29862	-118.7886	hud	N	N		PluggedCH
-1	4.11E+08	Strathearn	2	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27964	-118.8016	hud	N	N		PluggedOG
-1	4.11E+08	Simco	2	Plugged	DH	Dry Hole	6319	Northridge	Simi	Any Area	Simi Valley	Northern	Ventura	31	03N	17W	SB	34.29367	-118.7062	hud	N	N		PluggedDH

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	J & H Ranch	2	Plugged	OG	Oil & Gas	4544	James B. M	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.29809	-118.7202	hud	N	N		PluggedOG
-1	4.11E+08	Canada de	2	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29877	-118.784	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	7878	Simi Oil Co.	Simi	Any Area	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31282	-118.696	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	S1500	John J. Schi	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29773	-118.722	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30231	-118.723	GPS	N	N		PluggedOG
-1	4.11E+08	Simi	Feb-31	Plugged	DH	Dry Hole	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.30238	-118.8022	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	20	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29801	-118.7297	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	20	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30745	-118.7066	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	21	Plugged	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.30952	-118.7073	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	21	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29741	-118.7361	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	22	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30677	-118.7062	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	22	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29891	-118.7349	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	23	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30054	-118.7284	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	23	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30046	-118.7183	GPS	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	24	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30093	-118.7182	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	25	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30268	-118.7289	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	25	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	19W	SB	34.30033	-118.7177	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	250	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30272	-118.7259	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	255	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30201	-118.7264	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	25A	Plugged	WF	Waterfloo	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.3011	-118.7259	hud	N	N		PluggedWF
-1	4.11E+08	Marr Ranch	26	Plugged	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	32	03N	17W	SB	34.30643	-118.6845	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	26	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.3047	-118.7233	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	260	Plugged	WF	Waterfloo	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30366	-118.7229	GPS	N	N		PluggedWF
-1	4.11E+08	Tapo	27	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30035	-118.7352	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	27	Plugged	OG	Oil & Gas	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	29	03N	17W	SB	34.3137	-118.6829	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	29	Plugged	INJ	Injection	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30569	-118.7272	GPS	N	N		PluggedINJ
-1	4.11E+08	Well No.	3	Plugged	OG	Oil & Gas	7878	Simi Oil Co.	Simi	Any Area	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31209	-118.6965	hud	N	N		PluggedOG
-1	4.11E+08	Strathearn	3	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28055	-118.8037	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	3	Plugged	OG	Oil & Gas	S1500	John J. Schi	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29827	-118.7213	hud	N	N		PluggedOG
-1	4.11E+08	Canada de	3	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29526	-118.7893	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	3	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.3043	-118.7193	GPS	N	N		PluggedOG
-1	4.11E+08	Unspecifie	3	Plugged	DH	Dry Hole	658	Bartlow-He	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29535	-118.7202	hud	N	N		PluggedDH
-1	4.11E+08	J & H Ranch	3	Plugged	OG	Oil & Gas	4544	James B. M	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.29876	-118.7204	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30288	-118.72	GPS	N	N		PluggedOG
-1	4.11E+08	Alamos	31-Mar	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.30017	-118.804	hud	N	N		PluggedOG
-1	4.11E+08	Condor Ma	30	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Any Area	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30389	-118.7156	GPS	N	N	4/1/1984	PluggedOG
-1	4.11E+08	Tapo	30	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30232	-118.7304	hud	N	N		PluggedOG
-1	4.11E+08	Condor Ma	31	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Any Area	Ventura County	Northern	Ventura	36	03N	18W	SB	34.3064	-118.7149	GPS	N	N	2/15/1981	PluggedOG
-1	4.11E+08	Tapo	31	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30489	-118.7284	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	32	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.3005	-118.7296	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	33	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29863	-118.7335	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	34	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30226	-118.7246	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	35	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30055	-118.7328	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	36	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29816	-118.734	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	37	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29721	-118.7333	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	38	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29649	-118.741	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	39	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.29721	-118.7367	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	S1500	John J. Schi	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29839	-118.7208	hud	N	N		PluggedOG
-1	4.11E+08	Strathearn	4	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27921	-118.8037	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30302	-118.7267	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	4	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29821	-118.7895	hud	N	N		PluggedOG
-1	4.11E+08	J & H Ranch	4	Plugged	OG	Oil & Gas	4544	James B. M	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.29827	-118.7201	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	4	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30516	-118.7195	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	7878	Simi Oil Co.	Simi	Any Area	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31138	-118.6971	hud	N	N		PluggedOG
-1	4.11E+08	Alamos	Apr-31	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.29988	-118.8017	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	40	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	35	03N	18W	SB	34.30146	-118.7321	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	41	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30562	-118.7204	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	42	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30378	-118.7208	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	43	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Ventura County	Northern	Ventura	32	03N	18W	SB	34.30405	-118.796	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	44	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	34	03N	18W	SB	34.3022	-118.7612	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	45	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	34	03N	18W	SB	34.30073	-118.7612	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	46	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	34	03N	18W	SB	34.3012	-118.7596	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	47	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	34	03N	18W	SB	34.29966	-118.7598	GPS	N	N		PluggedOG
-1	4.11E+08	Strathearn	47-6	Plugged	DH	Dry Hole	C5640	Chevron U.	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28132	-118.807	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	48	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30087	-118.721	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Tapo	49	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	34	03N	18W	SB	34.30165	-118.7569	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	7878	Simi Oil Co.	Simi	Any Area	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31504	-118.6968	hud	N	N		PluggedOG
-1	4.11E+08	Strathearn	5	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27904	-118.8028	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	5	Plugged	WD	Water Disp	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30404	-118.7184	GPS	N	N		PluggedWD
-1	4.11E+08	Canada de	5	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29707	-118.7898	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30233	-118.7201	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	5	Plugged	OG	Oil & Gas	S1500	John J. Schi	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29775	-118.721	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	S1500	John J. Schi	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.29798	-118.7217	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	6	Plugged	OG	Oil & Gas	7878	Simi Oil Co.	Simi	Any Area	Ventura County	Northern	Ventura	30	03N	17W	SB	34.31517	-118.6942	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	6	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.3051	-118.718	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	6	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30384	-118.72	GPS	N	N		PluggedOG
-1	4.11E+08	Strathearn	6	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27981	-118.8037	hud	N	N		PluggedOG
-1	4.11E+08	Canada de	6	Plugged	WD	Water Disp	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29907	-118.781	hud	N	N		PluggedWD
-1	4.11E+08	Alamos	Jun-31	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.29941	-118.7996	hud	N	N		PluggedOG
-1	4.11E+08	Tapo-Scara	60	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.30415	-118.7969	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	7	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30157	-118.7223	GPS	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	7	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30458	-118.7164	GPS	N	N		PluggedOG
-1	4.11E+08	Strathearn	7	Plugged	INJ	Injection	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.27958	-118.8051	hud	N	N		PluggedINJ
-1	4.11E+08	Canada de	7	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29743	-118.7872	hud	N	N		PluggedOG
-1	4.11E+08	Alamos	Jul-32	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	31	03N	18W	SB	34.30011	-118.7973	hud	N	N		PluggedOG
-1	4.11E+08	Strathearn	8	Plugged	INJ	Injection	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28122	-118.8	hud	N	N		PluggedINJ
-1	4.11E+08	Canada de	8	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29852	-118.7913	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	8	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	36	03N	18W	SB	34.30331	-118.7173	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30131	-118.7234	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	9	Plugged	OG	Oil & Gas	C5640	Chevron U.	Simi	Old	Simi Valley	Northern	Ventura	36	03N	18W	SB	34.30134	-118.7209	GPS	N	N		PluggedOG
-1	4.11E+08	Strathearn	9	Plugged	OG	Oil & Gas	6063	Moreland I	Simi	Any Area	Simi Valley	Northern	Ventura	6	02N	18W	SB	34.28055	-118.7994	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	9	Plugged	OG	Oil & Gas	C7475	Condor Oil	Simi	Old	Ventura County	Northern	Ventura	31	03N	17W	SB	34.30582	-118.7074	GPS	N	N		PluggedOG
-1	4.11E+08	Canada de	9	Plugged	OG	Oil & Gas	U0200	Union Oil C	Simi	Any Area	Ventura County	Northern	Ventura	32	03N	18W	SB	34.29996	-118.7857	hud	N	N		PluggedOG
-1	4.11E+08	Marr Ranch	A-1	Plugged	DH	Dry Hole	M2425	MH Marr	Simi	Old	Ventura County	Northern	Ventura	30	03N	17W	SB	34.30999	-118.6958	hud	N	N		PluggedDH
-1	4.11E+08	Berylwood	1	Plugged	OG	Oil & Gas	6833	Phillips Oil	Somis (ABD)	Any Area	Ventura County	Northern	Ventura	16	02N	20W	SB	34.2524	-118.9839	hud	N	N		PluggedOG
-1	4.11E+08	Miketta	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Somis (ABD)	Any Area	Camarillo	Northern	Ventura	21	02N	20W	SB	34.24524	-118.9834	hud	N	N		PluggedOG
-1	4.11E+08	Berylwood	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Somis (ABD)	Any Area	Ventura County	Northern	Ventura	16	02N	20W	SB	34.25216	-118.9771	hud	N	N		PluggedOG
-1	4.11E+08	Berylwood	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Somis (ABD)	Any Area	Ventura County	Northern	Ventura	16	02N	20W	SB	34.25045	-118.9836	hud	N	N		PluggedOG
-1	4.11E+08	Stewart	18	Canceled	OG	Oil & Gas	V1350	Vintage Pe	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32777	-119.0348	hud	N	N		CanceledOG
-1	4.11E+08	Southfork F	2	Canceled	OG	Oil & Gas	C0885	California F	South Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33219	-119.0583	Notice of Ir	N	Y		CanceledOG
-1	4.11E+08	Stewart	24	Canceled	OG	Oil & Gas	V1350	Vintage Pe	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3277	-119.0347	Operator	N	N		CanceledOG
-1	4.11E+08	Santa Paula	75	Canceled	OG	Oil & Gas	C0885	California F	South Mountain	Bridge	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33567	-119.0169	Operator	N	N		CanceledOG
-1	4.11E+08	Santa Paula	76	Canceled	OG	Oil & Gas	C0885	California F	South Mountain	Bridge	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33557	-119.1635	Operator	N	N		CanceledOG
-1	4.11E+08	Santa Paula	77	Canceled	OG	Oil & Gas	C0885	California F	South Mountain	Bridge	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33693	-119.0099	Operator	N	N		CanceledOG
-1	4.11E+08	Santa Paula	78	Canceled	OG	Oil & Gas	C0885	California F	South Mountain	Bridge	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33689	-119.0098	Operator	N	N		CanceledOG
-1	4.11E+08	Santa Paula	87	Canceled	INJ	Injection	V1370	Vintage Pro	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33558	-119.0172	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Santa Paula	88	Canceled	INJ	Injection	V1370	Vintage Pro	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33558	-119.0171	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Santa Paula	89	Canceled	INJ	Injection	V1370	Vintage Pro	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33812	-119.012	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Santa Paula	90	Canceled	INJ	Injection	V1370	Vintage Pro	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33811	-119.012	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33503	-119.0237	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33783	-119.0261	GPS	N	N	11/5/1917	IdleOG
-1	4.11E+08	Richardson	1	Idle	OG	Oil & Gas	7802	Shamrock I	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34017	-119.0392	hud	N	N	11/13/1944	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34287	-119.0347	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34161	-119.0495	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33721	-119.0484	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34272	-119.0487	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.346	-119.0487	GPS	N	Y	5/17/1952	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3312	-119.0206	GPS	N	Y	10/27/1948	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33496	-119.0249	GPS	N	N	3/24/1924	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34601	-119.0486	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34235	-119.0571	GPS	N	Y		IdleWD
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33994	-119.0579	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32819	-119.0049	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33397	-119.0648	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33175	-119.0087	GPS	N	Y	5/19/1949	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32431	-119.0153	GPS	N	N	2/11/1953	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	12	03N	21W	SB	34.35065	-119.032	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33242	-119.0314	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34236	-119.0218	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34753	-119.0234	Well Summ	N	Y	9/28/2018	IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32909	-119.0261	GPS	N	N	4/16/1952	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32851	-119.0425	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34537	-119.0441	GPS	N	Y		IdleOG
-1	4.11E+08	Hill	1	Idle	OG	Oil & Gas	Y0050	Yoelin Fam	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33141	-119.0678	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34192	-119.0524	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34441	-119.0523	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34411	-119.0508	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34441	-119.0508	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34321	-119.0466	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34414	-119.0392	GPS	N	N	4/18/1925	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34663	-119.0395	Well Summ	N	Y	1/19/2018	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34666	-119.0409	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32291	-119.0394	Notice of Ir	N	Y	2/28/2014	IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32643	-119.0367	GPS	N	Y	6/5/2008	IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33033	-119.0204	GPS	N	N	2/11/1952	IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33046	-119.0136	GPS	N	N	2/19/1952	IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34066	-119.0178	GPS	N	N		IdleOG
-1	4.11E+08	Sence	10	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31622	-119.0099	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32566	-119.0054	GPS	N	Y	3/27/1953	IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33225	-119.0256	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	10	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33376	-119.0073	GPS	N	Y	7/8/1949	IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33232	-119.0256	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33007	-119.0207	GPS	N	N	3/28/1952	IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32716	-119.0333	GPS	N	N	3/27/1954	IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33374	-119.0071	GPS	N	Y	8/8/1949	IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34114	-119.0216	GPS	N	N		IdleOG
-1	4.11E+08	So. Mount	11	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.32096	-119.0043	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	11	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3235	-119.0163	GPS	N	N	1/3/1954	IdleOG
-1	4.11E+08	So. Mount	113	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32205	-119.0043	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount	114	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32209	-119.0016	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount	117	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32197	-119.0053	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32287	-119.0051	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32766	-119.0183	GPS	N	N	4/3/1952	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32345	-119.0233	GPS	N	Y	5/14/1954	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33049	-119.0315	GPS	N	N	4/20/1954	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32801	-119.0429	Notice of Ir	N	N	8/28/2012	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33885	-119.0177	GPS	N	N	4/6/1922	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33372	-119.007	GPS	N	Y	9/8/1949	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33044	-119.0135	GPS	N	N	4/15/1952	IdleOG
-1	4.11E+08	So. Mount	12	Idle	WF	Waterfloo	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31684	-119.0041	hud	N	N		IdleWF
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33371	-119.0068	GPS	N	Y	10/20/1949	IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34024	-119.029	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33048	-119.0315	GPS	N	N	5/14/1954	IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32806	-119.0429	Well Summ	N	Y	8/10/2012	IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33994	-119.0212	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33014	-119.0206	GPS	N	N	3/25/1952	IdleWD
-1	4.11E+08	Sence	13	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31477	-119.0099	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33331	-119.0148	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32818	-119.0429	Notice of Ir	N	N	7/23/2012	IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33048	-119.0316	GPS	N	N	6/11/1954	IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33972	-119.0271	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33313	-119.0114	GPS	N	N	2/2/1950	IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32753	-119.0096	GPS	N	N	11/28/1952	IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33889	-119.0222	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	14	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33002	-119.0207	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3402	-119.0234	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3396	-119.027	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount	15	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.32096	-119.0029	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33041	-119.0204	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33325	-119.0152	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33325	-119.0114	GPS	N	Y	3/21/1950	IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32722	-119.0094	GPS	N	N	9/27/1952	IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32249	-119.0105	GPS	N	N	9/19/1954	IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33046	-119.0203	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33355	-119.0043	GPS	N	N	5/8/1950	IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33329	-119.0149	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34035	-119.0307	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34188	-119.015	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	16	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34475	-119.0197	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33945	-119.0301	GPS	N	N		IdleOG
-1	4.11E+08	So. Mount	17	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.32096	-119.0052	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34302	-119.0152	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32714	-119.0094	GPS	N	N	11/16/1952	IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33055	-119.0203	GPS	N	N		IdleWD
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32754	-119.0346	Notice of Ir	N	N	11/23/2012	IdleOG
-1	4.11E+08	Lease by Ca	17	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33351	-119.0042	GPS	N	Y	10/13/1950	IdleOG
-1	4.11E+08	Lease by Ca	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32916	-119.0234	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34397	-119.0158	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34041	-119.0307	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33932	-119.0321	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33144	-119.0087	GPS	N	Y	12/27/1952	IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32912	-119.0235	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32315	-119.005	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33509	-119.0238	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34286	-119.0256	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34751	-119.0418	GPS	N	Y		IdleOG
-1	4.11E+08	Hill	2	Idle	OG	Oil & Gas	Y0050	Yoelin Fam	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33137	-119.0677	GPS	N	Y	2/2/1959	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33877	-119.008	GPS	N	N	5/8/1935	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	12	03N	21W	SB	34.3507	-119.0319	Well Summ	N	Y	5/21/1981	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34159	-119.0259	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3244	-119.0154	GPS	N	N	4/3/1953	IdleOG
-1	4.11E+08	Richardson	2	Idle	OG	Oil & Gas	T2305	Thompson	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34325	-119.0393	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34076	-119.057	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33612	-119.0309	GPS	N	N	7/27/1954	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33805	-119.0293	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32851	-119.0423	GPS	N	Y	8/25/1954	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34126	-119.0165	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.3281	-119.0049	GPS	N	Y	1/20/1951	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34415	-119.0507	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33731	-119.061	GPS	N	N	12/17/1957	IdleWD
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3353	-119.0324	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33127	-119.0206	GPS	N	Y	1/17/1948	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34188	-119.018	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34484	-119.0396	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34591	-119.0513	GPS	N	N	12/26/1957	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34258	-119.0568	GPS	N	N		IdleWD
-1	4.11E+08	So. Mount	2	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.32085	-119.0066	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	1-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33885	-119.0031	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	12-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33876	-119.0031	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33717	-119.0079	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	4-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33711	-119.0079	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	5-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33705	-119.0078	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	8-Feb	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33689	-119.0076	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33137	-119.0087	GPS	N	Y	2/14/1953	IdleOG
-1	4.11E+08	Lease by Ca	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3345	-119.0126	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32909	-119.0236	GPS	N	Y	4/1/1953	IdleOG
-1	4.11E+08	Lease by Ca	20	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.3215	-119.0113	GPS	N	N	5/4/1955	IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	21W	SB	34.33451	-119.0169	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32906	-119.0236	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3428	-119.0166	GPS	N	N	11/12/1926	IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34372	-119.0557	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33127	-119.0087	GPS	N	Y	3/31/1953	IdleOG
-1	4.11E+08	Lease by Ca	21	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32147	-119.0132	GPS	N	N	6/4/1955	IdleOG
-1	4.11E+08	Lease by Ca	22	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33508	-119.0234	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	22	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32767	-119.0183	GPS	N	N		IdleWD
-1	4.11E+08	Lease by Ca	22	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33611	-119.0245	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33241	-119.0255	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33567	-119.0229	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32049	-119.0106	GPS	N	N	7/30/1955	IdleOG
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32574	-119.0383	Notice of Ir	N	N	7/15/2013	IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	23	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33038	-119.0376	GPS	N	N	10/8/1954	IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32566	-119.0384	Notice of Ir	N	N	6/14/2013	IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31936	-119.0117	GPS	N	N	8/27/1955	IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32737	-119.0139	GPS	N	N	4/6/1953	IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32759	-119.0185	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	24	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33632	-119.0216	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32169	-119.0123	GPS	N	N	9/23/1955	IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33639	-119.0217	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32755	-119.0186	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	25	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34424	-119.0258	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34369	-119.0173	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32776	-119.0097	GPS	N	Y	7/25/1953	IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32903	-119.0237	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33646	-119.0216	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32362	-119.015	GPS	N	N	10/15/1955	IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33498	-119.0233	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	26	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32309	-119.0386	Notice of Ir	N	N	5/7/2013	IdleOG
-1	4.11E+08	Lease by Ca	27	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33654	-119.0217	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	27	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34299	-119.0291	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	27	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32752	-119.0187	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32744	-119.0136	GPS	N	Y	6/1/1953	IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3357	-119.0166	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32028	-119.0129	GPS	N	N	12/20/1955	IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34265	-119.0122	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33442	-119.0127	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount	28	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.3198	-119.0022	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	28	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.329	-119.0238	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33569	-119.0167	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31845	-119.011	GPS	N	N	1/14/1956	IdleOG
-1	4.11E+08	Lease by Ca	29	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32897	-119.0239	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33509	-119.0236	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3353	-119.0339	Well Summ	N	N	11/3/1944	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34178	-119.0559	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32448	-119.0186	GPS	N	N	6/8/1953	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32591	-119.0262	GPS	N	N	7/18/1953	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34524	-119.0346	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34147	-119.036	Operator	N	N	11/30/1945	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33031	-119.0395	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33162	-119.0087	GPS	N	Y	3/8/1950	IdleOG
-1	4.11E+08	McCormick	3	Idle	WF	Waterfloo	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31067	-119.0045	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32804	-119.0049	GPS	N	N	7/18/1951	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33891	-119.0277	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34759	-119.0406	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33497	-119.0637	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34332	-119.0514	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34002	-119.0076	GPS	N	N	1/18/1936	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33469	-119.0113	GPS	N	Y	4/15/1948	IdleOG
-1	4.11E+08	Sence	3	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31733	-119.0103	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33424	-119.0301	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34197	-119.0206	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33978	-119.0581	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33232	-119.0662	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32308	-119.0385	Notice of Ir	N	N	4/26/2013	IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32747	-119.0135	GPS	N	Y	7/7/1953	IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31846	-119.0093	GPS	N	N	3/16/1956	IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33257	-119.0254	GPS	N	Y		IdleOG
-1	4.11E+08	Sence	30	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31442	-119.0169	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	30	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32894	-119.024	GPS	N	Y		IdleWD
-1	4.11E+08	Lease by Ca	30	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33567	-119.0168	GPS	N	N		IdleOG
-1	4.11E+08	Sence	31	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31421	-119.0179	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	31	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33452	-119.0167	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	31	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32753	-119.0133	GPS	N	Y	7/7/1954	IdleOG
-1	4.11E+08	Lease by Ca	31	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31872	-119.0082	GPS	N	N	7/21/1956	IdleOG
-1	4.11E+08	Lease by Ca	31	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33567	-119.0169	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34398	-119.0188	GPS	N	N	4/13/1960	IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33564	-119.017	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3257	-119.0384	Notice of Ir	N	N	7/2/2013	IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3233	-119.0085	GPS	N	N	2/15/1957	IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32729	-119.0141	GPS	N	Y	6/4/1954	IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34645	-119.0332	GPS	N	N	11/5/1964	IdleOG
-1	4.11E+08	Lease by Ca	33	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34328	-119.0174	GPS	N	N	5/30/1962	IdleOG
-1	4.11E+08	Lease by Ca	33	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33564	-119.0171	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	33	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32772	-119.0181	GPS	N	Y		IdleWD
-1	4.11E+08	Lease by Ca	33	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32341	-119.0085	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	34	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32354	-119.0233	GPS	N	Y	4/3/1957	IdleOG
-1	4.11E+08	Lease by Ca	34	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32776	-119.018	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	34	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33704	-119.023	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	35	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32878	-119.0245	GPS	N	Y		IdleOG
-1	4.11E+08	Sence	35	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.3127	-119.0163	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	35	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33121	-119.0087	GPS	N	N	11/24/1954	IdleOG
-1	4.11E+08	Lease by Ca	35	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33739	-119.0126	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	36	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3224	-119.0221	GPS	N	N	8/15/1963	IdleOG
-1	4.11E+08	Sence	36	Idle	WF	Waterfloo	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31095	-119.0044	GPS	N	Y		IdleWF
-1	4.11E+08	Lease by Ca	36	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3374	-119.0125	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	36	Idle	WF	Waterfloo	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33914	-119.0204	Well Summ	N	Y	11/3/2014	IdleWF
-1	4.11E+08	Lease by Ca	36	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32559	-119.0142	GPS	N	Y	12/21/1961	IdleOG
-1	4.11E+08	Lease by Ca	37	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32115	-119.0148	GPS	N	N	11/19/1963	IdleOG
-1	4.11E+08	Lease by Ca	37	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33742	-119.0124	GPS	N	Y		IdleOG
-1	4.11E+08	Sence W.I.	38	Idle	WF	Waterfloo	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31116	-119.0044	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	39	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33744	-119.0122	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	39	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32129	-119.0178	GPS	N	Y	12/20/1992	IdleOG
-1	4.11E+08	Sence	39	Idle	WS	Water Sour	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31744	-119.0045	GPS	N	Y		IdleWS
-1	4.11E+08	Lease by Ca	4	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33906	-119.059	GPS	N	Y		IdleWD
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.3417	-119.056	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33516	-119.0634	GPS	N	N	3/24/1960	IdleWD
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33155	-119.0087	GPS	N	Y	5/1/1950	IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3314	-119.0205	GPS	N	Y	4/11/1948	IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33509	-119.0235	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34079	-119.0194	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34549	-119.0376	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3347	-119.0111	GPS	N	Y	6/6/1949	IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32796	-119.0049	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	WD	Water Disp	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33286	-119.0656	GPS	N	N	8/24/1959	IdleWD
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33802	-119.0303	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32671	-119.0352	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34742	-119.042	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34658	-119.0448	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	40	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33746	-119.0121	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	41	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32133	-119.0178	GPS	N	Y	2/2/1993	IdleOG
-1	4.11E+08	Lease by Ca	41	Idle	WF	Waterfloo	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33748	-119.012	GPS	N	Y	3/2/1948	IdleWF
-1	4.11E+08	Lease by Ca	43	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3395	-119.0123	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	44	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33683	-119.0096	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	45	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31875	-119.0136	GPS	N	N	1/22/1997	IdleOG
-1	4.11E+08	Lease by Ca	45	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33687	-119.0097	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	46	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33691	-119.0098	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	48	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33969	-119.0138	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	49	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33963	-119.0137	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33057	-119.0139	GPS	N	N	10/30/1951	IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32439	-119.0086	GPS	N	N	6/13/1953	IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33035	-119.0378	GPS	N	N	2/22/1954	IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34164	-119.0189	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33751	-119.0601	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33385	-119.008	GPS	N	Y	1/4/1949	IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34159	-119.0282	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33036	-119.0377	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33414	-119.0646	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34546	-119.0363	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33568	-119.0285	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33146	-119.0204	GPS	N	Y	6/9/1948	IdleOG
-1	4.11E+08	So. Mount	5	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31963	-119.0066	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	51	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33947	-119.011	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	52	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33948	-119.0111	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	53	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31819	-119.0135	GPS	N	Y	2/25/1997	IdleOG
-1	4.11E+08	Lease by Ca	55	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32134	-119.0135	Well Summ	N	N	1/1/2012	IdleOG
-1	4.11E+08	Lease by Ca	55	Idle	WF	Waterflood	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33947	-119.0114	GPS	N	Y	9/10/1949	IdleWF
-1	4.11E+08	Lease by Ca	56	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.3213	-119.0135	Well Summ	N	Y	12/14/2011	IdleOG
-1	4.11E+08	Lease by Ca	57	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33825	-119.0166	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	58	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33858	-119.0227	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	59	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33864	-119.0228	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount	6	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31847	-119.0067	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34542	-119.0349	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34151	-119.0562	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32592	-119.0054	GPS	N	N	2/25/1952	IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33862	-119.0189	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34029	-119.0047	GPS	N	N	7/28/1950	IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34296	-119.0208	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33635	-119.0621	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	60	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3387	-119.0229	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	61	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33875	-119.0229	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	62	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33603	-119.0141	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	63	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33557	-119.0173	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	64	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34198	-119.0117	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	65	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34195	-119.0139	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	66	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33664	-119.0249	GPS	N	N	12/26/1953	IdleOG
-1	4.11E+08	Lease by Ca	68	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34185	-119.0098	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	69	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34538	-119.0224	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32449	-119.012	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3448	-119.0396	Notice of Ir	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34663	-119.0447	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33381	-119.0077	GPS	N	Y	3/28/1949	IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33052	-119.0138	GPS	N	N	2/13/1952	IdleOG
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31752	-119.0068	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount	7	Idle	WS	Water Sour	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31753	-119.0068	GPS	N	N		IdleWS
-1	4.11E+08	Lease by Ca	7	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32755	-119.0351	GPS	N	N	4/14/1953	IdleOG
-1	4.11E+08	Lease by Ca	70	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34748	-119.0236	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	71	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34624	-119.0242	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	72	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33818	-119.012	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	73	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34003	-119.0233	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	74	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33823	-119.0121	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32581	-119.0055	GPS	N	N	12/27/1951	IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32919	-119.0233	GPS	N	Y	1/29/1952	IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.334	-119.0648	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33722	-119.0287	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32582	-119.0262	GPS	N	N	6/11/1953	IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32846	-119.0426	GPS	N	N	8/25/1954	IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32738	-119.0095	GPS	N	N	2/2/1952	IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33379	-119.0075	GPS	N	Y	5/1/1949	IdleOG
-1	4.11E+08	Sence	8	Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31626	-119.0081	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3303	-119.0394	GPS	N	N		IdleOG
-1	4.11E+08	Sence	9	Idle	WS	Water Sour	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31587	-119.0067	GPS	N	N	7/30/1956	IdleWS
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33627	-119.0351	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33401	-119.0248	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34384	-119.0245	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	WF	Waterflood	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33021	-119.0206	GPS	N	N	3/19/1952	IdleWF
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33051	-119.0314	GPS	N	N	3/15/1954	IdleOG
-1	4.11E+08	Lease by Ca	9	Idle	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3433	-119.0185	GPS	N	N		IdleOG
-1	4.11E+08	So. Mount S-21		Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.3123	-119.0101	GPS	N	N		IdleOG
-1	4.11E+08	So. Mount S-25		Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31121	-119.0084	GPS	N	Y		IdleOG
-1	4.11E+08	So. Mount S-27		Idle	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31398	-119.0123	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33469	-119.0116	GPS	N	N	1/9/1948	ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33224	-119.0583	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33898	-119.0461	GPS	N	N		ActiveOG
-1	4.11E+08	Yale Richar	1	Active	OG	Oil & Gas	O1200	Ojai Oil Cor	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33728	-119.0393	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34251	-119.0541	GPS	N	N		ActiveOG
-1	4.11E+08	C-S	1	Active	OG	Oil & Gas	T2305	Thompson	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34204	-119.008	GPS	N	N	9/23/1959	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	SM&O	1	Active	OG	Oil & Gas	10464	SM&O, LLC	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33363	-119.0263	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33878	-119.0482	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32591	-119.0391	GPS	N	N		ActiveOG
-1	4.11E+08	National Ri	1	Active	OG	Oil & Gas	T2305	Thompson	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34223	-119.039	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33627	-119.0308	GPS	N	N	2/23/1948	ActiveOG
-1	4.11E+08	Richardson	1	Active	OG	Oil & Gas	T2305	Thompson	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34256	-119.0392	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33675	-119.0324	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33752	-119.0608	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	10	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32323	-119.0233	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	11	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3264	-119.0368	GPS	N	Y	8/2/2008	ActiveOG
-1	4.11E+08	Lease by Ca	11	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33049	-119.0137	GPS	N	N	2/16/1952	ActiveOG
-1	4.11E+08	Lease by Ca	11	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32646	-119.0366	Operator	N	Y	8/25/2008	ActiveOG
-1	4.11E+08	Lease by Ca	12	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32661	-119.0362	Well Summ	N	Y	10/23/2011	ActiveOG
-1	4.11E+08	Lease by Ca	12	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33331	-119.0147	GPS	N	Y		ActiveOG
-1	4.11E+08	So. Mount	120	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32253	-119.0052	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	13	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33042	-119.0133	GPS	N	N	4/11/1952	ActiveOG
-1	4.11E+08	Lease by Ca	13	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3266	-119.0363	Well Summ	N	Y	11/22/2011	ActiveOG
-1	4.11E+08	Lease by Ca	14	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32478	-119.0419	Well Summ	N	Y	5/3/2012	ActiveOG
-1	4.11E+08	Lease by Ca	14	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33326	-119.0151	GPS	N	N		ActiveOG
-1	4.11E+08	Sence	14	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31476	-119.007	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	14	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33891	-119.0206	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	15	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33043	-119.0134	GPS	N	N	4/8/1952	ActiveOG
-1	4.11E+08	Lease by Ca	15	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33038	-119.0397	Notice of Ir	N	N	6/24/2012	ActiveOG
-1	4.11E+08	Lease by Ca	15	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32474	-119.0419	Notice of Ir	N	N	5/24/2012	ActiveOG
-1	4.11E+08	Lease by Ca	15	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32267	-119.0154	GPS	N	N	8/18/1954	ActiveOG
-1	4.11E+08	Lease by Ca	15	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32756	-119.0348	Notice of Ir	N	Y	2/14/2013	ActiveOG
-1	4.11E+08	Lease by Ca	16	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3247	-119.0419	Notice of Ir	N	N	6/7/2012	ActiveOG
-1	4.11E+08	Lease by Ca	16	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33039	-119.0397	Notice of Ir	N	Y	7/5/2012	ActiveOG
-1	4.11E+08	Lease by Ca	16	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33005	-119.0355	GPS	N	N	7/8/1954	ActiveOG
-1	4.11E+08	Lease by Ca	17	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3303	-119.0393	Notice of Ir	N	N	10/5/2014	ActiveOG
-1	4.11E+08	Lease by Ca	17	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33327	-119.015	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	17	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32555	-119.0392	Notice of Ir	N	N	9/14/2012	ActiveOG
-1	4.11E+08	Lease by Ca	17	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.339	-119.0159	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	18	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33032	-119.0394	Notice of Ir	N	Y	9/19/2014	ActiveOG
-1	4.11E+08	Lease by Ca	18	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33469	-119.0126	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	18	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3276	-119.0096	GPS	N	N	1/11/1953	ActiveOG
-1	4.11E+08	Lease by Ca	18	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32614	-119.0289	Notice of Ir	N	Y	2/28/2013	ActiveOG
-1	4.11E+08	Lease by Ca	18	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32551	-119.0393	Notice of Ir	N	N	10/3/2012	ActiveOG
-1	4.11E+08	Lease by Ca	19	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33461	-119.0126	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	19	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32547	-119.0393	Notice of Ir	N	N	10/19/2012	ActiveOG
-1	4.11E+08	Lease by Ca	19	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32609	-119.0289	Notice of Ir	N	Y	3/22/2013	ActiveOG
-1	4.11E+08	Sence	19	Active	WF	Waterfloo	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31496	-119.0081	GPS	N	Y		ActiveWF
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33168	-119.0087	GPS	N	Y	11/25/1949	ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34389	-119.0346	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33438	-119.0643	GPS	N	N	7/20/1958	ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33387	-119.0324	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33793	-119.0445	GPS	N	N		ActiveOG
-1	4.11E+08	SM&O	2	Active	OG	Oil & Gas	10464	SM&O, LLC	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3336	-119.0262	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33469	-119.0114	GPS	N	Y	3/6/1948	ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34174	-119.0559	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.3433	-119.0513	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32906	-119.0263	GPS	N	N	11/26/1952	ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32851	-119.0422	Notice of Ir	N	Y	1/31/2013	ActiveOG
-1	4.11E+08	Lease by Ca	6-Feb	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.337	-119.0077	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	20	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32542	-119.0394	Notice of Ir	N	N	11/9/2012	ActiveOG
-1	4.11E+08	Lease by Ca	20	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34274	-119.0138	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	20	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34385	-119.0336	GPS	N	N		ActiveOG
-1	4.11E+08	Sence	20	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31324	-119.008	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	21	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3255	-119.0351	Well Summ	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	21	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3376	-119.0245	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	22	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33003	-119.0356	GPS	N	N	8/1/1954	ActiveOG
-1	4.11E+08	Lease by Ca	22	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32743	-119.0137	GPS	N	Y	1/5/1953	ActiveOG
-1	4.11E+08	Lease by Ca	23	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32763	-119.0184	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	24	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33249	-119.0255	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	25	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32552	-119.035	Well Summ	N	Y	9/6/2013	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	25	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33504	-119.0239	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	26	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32291	-119.0383	Notice of Ir	N	Y	1/29/2014	ActiveOG
-1	4.11E+08	Sence	26	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31248	-119.0161	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	27	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32291	-119.0384	Notice of Ir	N	Y	6/13/2014	ActiveOG
-1	4.11E+08	Lease by Ca	27	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32308	-119.0383	Notice of Ir	N	N	5/31/2013	ActiveOG
-1	4.11E+08	Lease by Ca	27	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3395	-119.0183	GPS	N	N	7/25/1947	ActiveOG
-1	4.11E+08	Lease by Ca	27	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32048	-119.0088	GPS	N	N	11/19/1955	ActiveOG
-1	4.11E+08	Lease by Ca	28	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32308	-119.0384	Notice of Ir	N	N	5/19/2013	ActiveOG
-1	4.11E+08	Lease by Ca	29	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33264	-119.0254	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	29	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32732	-119.0141	GPS	N	Y	8/15/1953	ActiveOG
-1	4.11E+08	Lease by Ca	29	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34266	-119.0103	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	29	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32308	-119.0384	Notice of Ir	N	N	4/10/2013	ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34532	-119.0441	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33722	-119.0307	Well Summ	N	N	3/18/1958	ActiveOG
-1	4.11E+08	Hill	3	Active	OG	Oil & Gas	Y0050	Yoelin Fam	South Mountain	Main	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33119	-119.0678	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32853	-119.0423	Notice of Ir	N	N	1/17/2013	ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34517	-119.0422	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33133	-119.0205	GPS	N	Y	3/4/1948	ActiveOG
-1	4.11E+08	Lease by Ca	3	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33146	-119.0061	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	31	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32578	-119.0383	Notice of Ir	N	N	7/29/2013	ActiveOG
-1	4.11E+08	Lease by Ca	31	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32749	-119.0187	GPS	N	Y		ActiveOG
-1	4.11E+08	Sence	32	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31438	-119.018	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	33	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3273	-119.0141	GPS	N	Y	5/1/1954	ActiveOG
-1	4.11E+08	Lease by Ca	33	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3255	-119.035	Notice of Ir	N	Y	8/25/2013	ActiveOG
-1	4.11E+08	Lease by Ca	34	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32294	-119.0395	Notice of Ir	N	N	2/11/2014	ActiveOG
-1	4.11E+08	Lease by Ca	34	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34439	-119.0198	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	35	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32151	-119.0178	GPS	N	N	6/4/1957	ActiveOG
-1	4.11E+08	Lease by Ca	38	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33743	-119.0123	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	38	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32273	-119.0154	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32437	-119.0186	GPS	N	N	7/17/1953	ActiveOG
-1	4.11E+08	SM&O	4	Active	OG	Oil & Gas	10464	SM&O, LLC	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33361	-119.0264	Notice of Ir	N	N	10/15/2014	ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33044	-119.0319	GPS	N	Y		ActiveOG
-1	4.11E+08	Sence	4	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31731	-119.009	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33907	-119.0065	GPS	N	N	10/24/1936	ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32755	-119.035	GPS	N	N	11/3/1953	ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34001	-119.0169	GPS	N	N		ActiveOG
-1	4.11E+08	Sence	40	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31278	-119.0134	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	40	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32138	-119.0178	GPS	N	Y	1/12/1993	ActiveOG
-1	4.11E+08	Sence	41	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31742	-119.0201	Notice of Ir	N	Y	3/23/2012	ActiveOG
-1	4.11E+08	Lease by Ca	42	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31839	-119.0135	GPS	N	Y	12/29/1993	ActiveOG
-1	4.11E+08	Lease by Ca	42	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3375	-119.0119	GPS	N	Y		ActiveOG
-1	4.11E+08	Sence	43	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31729	-119.0202	Notice of Ir	N	N	7/27/2012	ActiveOG
-1	4.11E+08	Lease by Ca	43	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31843	-119.0135	GPS	N	Y	1/12/1994	ActiveOG
-1	4.11E+08	Lease by Ca	44	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31858	-119.0135	GPS	N	Y	12/11/1996	ActiveOG
-1	4.11E+08	SM&O	5	Active	OG	Oil & Gas	10464	SM&O, LLC	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33356	-119.0264	Notice of Ir	N	N	10/29/2014	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34215	-119.0537	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33135	-119.006	GPS	N	Y	4/9/1951	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34032	-119.0048	GPS	N	Y	2/27/1950	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34263	-119.0287	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33879	-119.0593	GPS	N	N	10/8/1962	ActiveOG
-1	4.11E+08	Lease by Ca	50	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31879	-119.0136	GPS	N	Y	12/31/1996	ActiveOG
-1	4.11E+08	Lease by Ca	50	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33956	-119.0136	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	53	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33947	-119.0112	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	54	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33947	-119.0113	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	57	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32231	-119.0218	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	58	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32233	-119.0211	Well Summ	N	Y	11/11/2018	ActiveOG
-1	4.11E+08	Lease by Ca	6	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32893	-119.0264	GPS	N	N	2/11/1954	ActiveOG
-1	4.11E+08	Lease by Ca	6	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33551	-119.0285	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	6	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33153	-119.0204	GPS	N	N	3/23/1949	ActiveOG
-1	4.11E+08	Lease by Ca	6	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32745	-119.0095	GPS	N	N	11/11/1951	ActiveOG
-1	4.11E+08	Lease by Ca	6	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33382	-119.0078	GPS	N	Y	2/20/1949	ActiveOG
-1	4.11E+08	Lease by Ca	67	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33621	-119.0218	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	7	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33798	-119.0356	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	7	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34216	-119.0201	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	7	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.3313	-119.0059	GPS	N	Y		ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	7	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33669	-119.0275	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	7	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32922	-119.0232	GPS	N	N	1/1/1952	ActiveOG
-1	4.11E+08	Lease by Ca	8	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3264	-119.0368	Operator	N	N	5/5/2008	ActiveOG
-1	4.11E+08	Lease by Ca	8	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32444	-119.0103	GPS	N	N	8/28/1953	ActiveOG
-1	4.11E+08	Lease by Ca	82	Active	WF	Waterfloo	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3397	-119.0136	Well Summ	N	Y	9/20/2013	ActiveWF
-1	4.11E+08	Lease by Ca	83	Active	WF	Waterfloo	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33966	-119.0135	Notice of Ir	N	Y	9/30/2013	ActiveWF
-1	4.11E+08	Lease by Ca	84	Active	WF	Waterfloo	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33938	-119.0134	Notice of Ir	N	Y	11/2/2013	ActiveWF
-1	4.11E+08	Lease by Ca	85	Active	WF	Waterfloo	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33944	-119.0134	Notice of Ir	N	Y	10/9/2013	ActiveWF
-1	4.11E+08	Lease by Ca	86	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33917	-119.0203	Well Summ	N	Y	10/23/2014	ActiveOG
-1	4.11E+08	Lease by Ca	9	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32645	-119.0366	GPS	N	N	7/7/2008	ActiveOG
-1	4.11E+08	Lease by Ca	9	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33376	-119.0074	GPS	N	Y	6/3/1949	ActiveOG
-1	4.11E+08	Lease by Ca	9	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32335	-119.0233	GPS	N	Y	8/14/1953	ActiveOG
-1	4.11E+08	Lease by Ca	9	Active	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33625	-119.0294	GPS	N	N		ActiveOG
-1	4.11E+08	So. Mount	S-24	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31256	-119.0136	GPS	N	N		ActiveOG
-1	4.11E+08	So. Mount	S-29	Active	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31244	-119.0137	GPS	N	Y		ActiveOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole		51 A. G. Freric	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.3427	-119.0074	hud	N	N	7/20/1940	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33626	-119.0308	GPS	N	N	8/12/1944	PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33159	-119.0067	hud	N	N	8/13/1949	PluggedOG
-1	4.11E+08	Bernard	1	Plugged	DH	Dry Hole	C5640	Chevron U.	South Mountain	Main	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32985	-118.9988	hud	N	Y	9/16/1956	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33407	-119.0301	GPS	N	N		PluggedOG
-1	4.11E+08	Yale Richar	1	Plugged	DH	Dry Hole	V1325	Vintage-On	South Mountain	Any Area	Ventura County	Northern	Ventura	25	03N	21W	SB	34.31686	-119.0317	hud	N	Y	12/8/1962	PluggedDH
-1	4.11E+08	Yale Richar	1	Plugged	OG	Oil & Gas	6368	Oak Ridge (	South Mountain	Bridge	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33945	-119.0349	hud	N	N	6/18/1916	PluggedOG
-1	4.11E+08	Harvey-Sny	1	Plugged	OG	Oil & Gas	W2425	S. I. Willian	South Mountain	Main	Ventura County	Northern	Ventura	12	03N	21W	SB	34.35092	-119.0322	hud	N	Y		PluggedOG
-1	4.11E+08	Louise Rich	1	Plugged	OG	Oil & Gas	6368	Oak Ridge (	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3446	-119.0422	hud	N	N		PluggedOG
-1	4.11E+08	Frank Richa	1	Plugged	OG	Oil & Gas	6368	Oak Ridge (	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33738	-119.0572	hud	N	N		PluggedOG
-1	4.11E+08	Schieferle	1	Plugged	DH	Dry Hole	2805	F. A. Craise	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.3399	-119.0079	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32602	-119.0056	GPS	N	Y	6/23/1954	PluggedOG
-1	4.11E+08	McCormick	1	Plugged	DH	Dry Hole	2823	F. E. Fairfie	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32797	-118.9972	hud	N	N	1/15/1951	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	4052	Hondo Oil (	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.32115	-118.9955	hud	N	N		PluggedOG
-1	4.11E+08	LBH	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	South Mountain	Main	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32379	-119.0661	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33997	-119.0078	hud	N	N	9/18/1933	PluggedOG
-1	4.11E+08	Comstock	1	Plugged	DH	Dry Hole	1800	Comstock F	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34591	-119.008	hud	N	N	11/2/1940	PluggedDH
-1	4.11E+08	N. J. Schiefi	1	Plugged	DH	Dry Hole	V1325	Vintage-On	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33712	-118.9971	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34229	-119.0273	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	WD	Water Disp	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34659	-119.0394	GPS	N	N	10/21/1956	PluggedWD
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3445	-119.0418	GPS	N	N		PluggedOG
-1	4.11E+08	George Dul	1	Plugged	DH	Dry Hole	3339	George Dul	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34255	-119.0413	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	1318	Camden Oi	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34624	-119.035	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33992	-119.0324	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34	-119.0579	hud	N	N		PluggedOG
-1	4.11E+08	Saticoy	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33369	-119.0667	hud	N	N	3/8/1947	PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	3649	H. H. Bell	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33198	-119.0629	hud	N	N		PluggedDH
-1	4.11E+08	S. P. S.	1	Plugged	DH	Dry Hole	P3875	Freeport-M	South Mountain	Main	Santa Paula	Northern	Ventura	11	03N	21W	SB	34.35148	-119.051	hud	N	Y	10/11/1961	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34115	-119.0566	hud	N	Y		PluggedOG
-1	4.11E+08	Lodis	1	Plugged	OG	Oil & Gas	2404	E. H. Loose	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34427	-119.0079	hud	N	N		PluggedOG
-1	4.11E+08	Hunter-Ter	1	Plugged	DH	Dry Hole	C0525	Cabeen Ex	South Mountain	Main	Ventura County	Northern	Ventura	30	03N	20W	SB	34.30782	-119.0092	hud	N	Y		PluggedDH
-1	4.11E+08	Mary A. Ru	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31649	-119.002	hud	N	Y		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	8660	United Oil (	South Mountain	Any Area	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34116	-118.9915	hud	N	N		PluggedOG
-1	4.11E+08	McCormick	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31986	-118.9979	hud	N	N	9/15/1956	PluggedOG
-1	4.11E+08	Lease by Ca	1	New	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3421	-119.014	Notice of Ir	N	Y		NewOG
-1	4.11E+08	Sence	1	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31638	-119.0119	hud	N	N		PluggedOG
-1	4.11E+08	Hunter Osr	1	Plugged	DH	Dry Hole	C0525	Cabeen Ex	South Mountain	Main	Ventura County	Northern	Ventura	30	03N	20W	SB	34.30877	-119.0121	hud	N	N	6/16/1958	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34237	-119.0195	GPS	N	N	7/26/1919	PluggedOG
-1	4.11E+08	Shell-Unive	1	Plugged	DH	Dry Hole	V1325	Vintage-On	South Mountain	Bridge	Ventura County	Northern	Ventura	12	03N	21W	SB	34.35092	-119.0317	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34456	-119.0522	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33752	-119.0527	hud	N	Y	4/27/1957	PluggedOG
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34393	-119.0479	hud	N	N		PluggedOG
-1	4.11E+08	George Ric	1	Plugged	OG	Oil & Gas	6368	Oak Ridge (	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33817	-119.0473	hud	N	N		PluggedOG
-1	4.11E+08	Harvey-Sny	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34858	-119.0345	hud	N	N	1/8/1958	PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33249	-119.0713	GPS	N	Y	10/29/1958	PluggedOG
-1	4.11E+08	So. Mount	10	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.30758	-119.0065	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34484	-119.0284	hud	N	N		PluggedOG
-1	4.11E+08	Stewart	10	Plugged	OG	Oil & Gas	P3875	Freeport-M	South Mountain	Main	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32605	-119.0289	hud	N	N	8/29/1953	PluggedOG
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34746	-119.023	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34038	-119.0151	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Saticoy	11	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33437	-119.0691	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34388	-119.0323	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	11	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32561	-119.0053	Well Summ	N	Y	4/23/1953	PluggedOG
-1	4.11E+08	So. Mount	115	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.323	-119.0018	hud	N	N		PluggedOG
-1	4.11E+08	So. Mount	118	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32273	-119.0052	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34078	-119.0224	hud	N	N	1/22/1920	PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33891	-119.0291	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34485	-119.0301	hud	N	N		PluggedOG
-1	4.11E+08	Saticoy	12	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33756	-119.0663	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34487	-119.0269	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32347	-119.011	GPS	N	N	6/16/1954	PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3414	-119.0246	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	13	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33397	-119.0696	GPS	N	N	1/29/1959	PluggedOG
-1	4.11E+08	Saticoy	14	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33129	-119.0728	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	14	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32352	-119.0096	GPS	N	N	7/16/1954	PluggedOG
-1	4.11E+08	Lease by Ca	14	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34288	-119.0334	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34497	-119.0316	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	15	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34382	-119.0211	hud	N	N		PluggedOG
-1	4.11E+08	Saticoy	15	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33535	-119.0686	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31847	-119.0067	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33305	-119.0708	GPS	N	N	9/16/1960	PluggedOG
-1	4.11E+08	Lease by Ca	16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34597	-119.0262	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	17	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32341	-119.0126	GPS	N	N	11/4/1954	PluggedOG
-1	4.11E+08	Saticoy	17	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33027	-119.0745	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	17	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34607	-119.0277	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34376	-119.0232	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34608	-119.0291	hud	N	N		PluggedOG
-1	4.11E+08	Saticoy	18	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33075	-119.0737	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31996	-119.0042	GPS	N	N	11/21/1957	PluggedOG
-1	4.11E+08	Lease by Ca	18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32264	-119.012	GPS	N	N	3/15/1955	PluggedOG
-1	4.11E+08	Lease by Ca	19	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34474	-119.0168	GPS	N	N		PluggedOG
-1	4.11E+08	Saticoy	19	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32983	-119.0755	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	19	Plugged	UNK	Unknown	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32156	-119.0098	GPS	N	N	4/8/1955	PluggedUNK
-1	4.11E+08	Lease by Ca	19	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34509	-119.0336	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	19	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34494	-119.0245	hud	N	N		PluggedOG
-1	4.11E+08	Shell-Unive	2	Plugged	DH	Dry Hole	V1325	Vintage-On	South Mountain	Bridge	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34859	-119.0342	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	2	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34676	-119.0477	Well Summ	N	Y	6/8/1957	PluggedMulti
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34762	-119.0491	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	8660	United Oil (	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34249	-119.0078	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33856	-119.0595	hud	N	N		PluggedOG
-1	4.11E+08	Norman Ri	2	Plugged	OG	Oil & Gas	P3875	Freeport-M	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.3248	-119.042	hud	N	N	5/16/1952	PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33152	-119.0062	GPS	N	Y		PluggedOG
-1	4.11E+08	Mary A. Ru	2	Plugged	DH	Dry Hole	E3700	Exxon Mob	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31	-119.0021	hud	N	N		PluggedDH
-1	4.11E+08	Yale Richar	2	Plugged	OG	Oil & Gas	P1300	Parbe Oil C	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34079	-119.0354	hud	N	N	8/3/1919	PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33612	-119.0309	GPS	N	N	9/20/1944	PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34522	-119.0383	GPS	N	N	12/1/1920	PluggedOG
-1	4.11E+08	Louise Rich	2	Plugged	OG	Oil & Gas	6368	Oak Ridge (	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3406	-119.0391	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34101	-119.0565	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	2	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34049	-119.0505	hud	N	N		PluggedOG
-1	4.11E+08	George Ric	2	Plugged	OG	Oil & Gas	6368	Oak Ridge (	South Mountain	Main	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33446	-119.0302	hud	N	N	5/2/1920	PluggedOG
-1	4.11E+08	Bernard	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	South Mountain	Main	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32989	-118.9985	hud	N	Y	2/21/1957	PluggedOG
-1	4.11E+08	Lease by Ca	10-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33691	-119.0075	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	11-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33635	-119.0035	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	13-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33669	-119.0036	hud	N	N		PluggedOG
-1	4.11E+08	Schieferle I	2-33X	Plugged	DH	Dry Hole	V1325	Vintage-On	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.34497	-119.0026	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	7-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33645	-119.0035	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	9-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	17	03N	20W	SB	34.33653	-119.0035	hud	N	Y		PluggedOG
-1	4.11E+08	Stewart	20	Plugged	OG	Oil & Gas	P3875	Freeport-M	South Mountain	Main	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32571	-119.0262	GPS	N	N	2/15/1956	PluggedOG
-1	4.11E+08	So. Mount	20	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.30941	-119.0084	GPS	N	N		PluggedOG
-1	4.11E+08	Saticoy	20	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34597	-119.0541	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	21	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34602	-119.0307	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	22	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34489	-119.0182	GPS	N	N	5/14/1927	PluggedOG
-1	4.11E+08	Saticoy	22	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34376	-119.0574	hud	N	N		PluggedOG
-1	4.11E+08	Sence	22	Plugged	Multi	Multi-Purp	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31289	-119.0058	GPS	N	N	6/3/1959	PluggedMulti
-1	4.11E+08	Lease by Ca	22	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.346	-119.0322	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	22	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	30	03N	20W	SB	34.32061	-119.012	GPS	N	N	7/2/1955	PluggedOG
-1	4.11E+08	Lease by Ca	23	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3274	-119.0138	GPS	N	Y	2/18/1953	PluggedOG
-1	4.11E+08	Lease by Ca	23	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34497	-119.0209	hud	N	N	10/1/1927	PluggedOG
-1	4.11E+08	Lease by Ca	23	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34706	-119.0255	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	23	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33014	-119.0749	GPS	N	Y	10/13/1960	PluggedOG
-1	4.11E+08	Lease by Ca	24	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33972	-119.0191	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	25	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32707	-119.0095	hud	N	Y	5/15/1953	PluggedOG
-1	4.11E+08	Lease by Ca	25	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34371	-119.0141	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	26	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34717	-119.0271	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	27	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32722	-119.0142	hud	N	Y	5/17/1953	PluggedOG
-1	4.11E+08	Lease by Ca	28	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3442	-119.027	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	29	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34652	-119.0333	GPS	N	N		PluggedOG
-1	4.11E+08	Russell	29-1	Plugged	OG	Oil & Gas	P2900	Petrominer	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31214	-119.0025	hud	N	Y	9/26/1966	PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34355	-119.0279	GPS	N	N		PluggedOG
-1	4.11E+08	Norman Ri	3	Plugged	OG	Oil & Gas	P3875	Freeport-M	South Mountain	Main	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32618	-119.0387	hud	N	Y		PluggedOG
-1	4.11E+08	Lemon	3	Plugged	DH	Dry Hole	2823	F. E. Fairfie	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33205	-119.0621	hud	N	N		PluggedDH
-1	4.11E+08	Saticoy	3	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33964	-119.0602	hud	N	Y		PluggedOG
-1	4.11E+08	South Mou	3	Plugged	OG	Oil & Gas	L2700	Los Feliz Cc	South Mountain	Main	Ventura County	Northern	Ventura	24	03N	21W	SB	34.33371	-119.0263	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	3	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33801	-119.0275	GPS	N	N		PluggedOG
-1	4.11E+08	Robert Bia	3	Plugged	DH	Dry Hole	E3700	Exxon Mob	South Mountain	Main	Ventura County	Northern	Ventura	25	03N	21W	SB	34.31395	-119.026	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	30	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34623	-119.0313	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	30	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34249	-119.0088	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	31	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34355	-119.0123	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	31	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34648	-119.0263	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	32	Plugged	WD	Water Disp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3277	-119.0182	GPS	N	N		PluggedWD
-1	4.11E+08	Sence	33	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	30	03N	20W	SB	34.31465	-119.0144	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	33	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34658	-119.0264	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	34	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32769	-119.0096	Well Summ	N	Y	6/24/1953	PluggedOG
-1	4.11E+08	Lease by Ca	35	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34652	-119.0145	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	36	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.32832	-119.0242	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33666	-119.0258	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33789	-119.0325	GPS	N	N	2/28/1920	PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33141	-119.006	GPS	N	Y	10/1/1950	PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.3434	-119.0267	GPS	N	N		PluggedOG
-1	4.11E+08	Hill	4	Plugged	DH	Dry Hole	S0280	Saba Petro	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33134	-119.0678	hud	N	Y		PluggedDH
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34165	-119.0341	hud	N	N	4/11/1925	PluggedOG
-1	4.11E+08	Lease by Ca	4	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34154	-119.0269	hud	N	N		PluggedOG
-1	4.11E+08	McCormick	4	Plugged	WF	Waterfloo	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.30936	-119.0038	hud	N	Y		PluggedWF
-1	4.11E+08	Saticoy	4	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33897	-119.0627	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	47	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.33975	-119.0139	GPS	N	Y	12/20/1948	PluggedMulti
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33479	-119.0194	GPS	N	Y		PluggedOG
-1	4.11E+08	Saticoy	5	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33792	-119.0654	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34667	-119.0394	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34673	-119.046	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33668	-119.0338	GPS	N	N	2/8/1945	PluggedOG
-1	4.11E+08	Lease by Ca	5	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32657	-119.0363	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	56	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.3382	-119.0166	GPS	N	Y	7/24/1950	PluggedMulti
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33476	-119.0194	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34377	-119.0292	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	24	03N	21W	SB	34.32547	-119.0351	GPS	N	N	1/29/1955	PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33473	-119.0687	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.33904	-119.059	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	14	03N	21W	SB	34.34666	-119.0462	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.33797	-119.0338	GPS	N	N	4/5/1945	PluggedMulti
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34168	-119.0296	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3243	-119.0139	GPS	N	N	10/13/1953	PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.33124	-119.0036	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	6	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33412	-119.0639	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33173	-119.0663	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34285	-119.0224	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34019	-119.0274	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34272	-119.03	hud	N	N		PluggedOG
-1	4.11E+08	Saticoy	7	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33764	-119.0659	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	7	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33472	-119.0195	GPS	N	Y	11/3/1945	PluggedOG
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34352	-119.0196	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	19	03N	20W	SB	34.33468	-119.0196	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34174	-119.0309	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	8	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	18	03N	20W	SB	34.34246	-119.0247	GPS	N	N		PluggedOG
-1	4.11E+08	Saticoy	8	Plugged	OG	Oil & Gas	C9035	Crimson Re	South Mountain	Bridge	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33368	-119.0699	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	8	Plugged	INJ	Injection	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34381	-119.0308	hud	N	N		PluggedINJ
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34143	-119.0327	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	13	03N	21W	SB	34.34273	-119.0316	hud	N	N		PluggedOG
-1	4.11E+08	Saticoy	9	Plugged	OG	Oil & Gas	S0450	Sage-Califo	South Mountain	Bridge	Ventura County	Northern	Ventura	15	03N	21W	SB	34.33657	-119.0675	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	20	03N	20W	SB	34.32573	-119.0054	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	9	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Main	Ventura County	Northern	Ventura	19	03N	20W	SB	34.3273	-119.0097	hud	N	N	8/9/1952	PluggedOG
-1	4.11E+08	So. Mount	M-1	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.30838	-119.0053	hud	N	N		PluggedOG
-1	4.11E+08	So. Mount	M-2	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Main	Ventura County	Northern	Ventura	29	03N	20W	SB	34.30848	-119.0038	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	S-16	Plugged	OG	Oil & Gas	E0455	CalNRG Op	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.31063	-119.0063	GPS	N	N	9/5/1957	PluggedOG
-1	4.11E+08	So. Mount	S-23	Plugged	OG	Oil & Gas	T1200	The Termo	South Mountain	Any Area	Ventura County	Northern	Ventura	29	03N	20W	SB	34.3097	-119.0039	hud	N	N		PluggedOG
-1	4.11E+08	15X	2	Canceled	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35012	-118.7166	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	5X	2	Canceled	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35064	-118.7108	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	13X	3	Canceled	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35094	-118.714	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	15X	3	Canceled	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35004	-118.7166	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	5X	4	Canceled	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35062	-118.7107	Well Summ	N	Y	3/27/2017	CanceledOG
-1	4.11E+08	5X	5	Canceled	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35067	-118.7107	Well Summ	N	Y	3/27/2017	CanceledOG
-1	4.11E+08	Well No.	1	Idle	DH	Dry Hole	T0050	Tapo Oil Cc	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34715	-118.7096	hud	N	N		IdleDH
-1	4.11E+08	Lease by Ca	12-Jan	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35216	-118.7136	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	7-Nov	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.3524	-118.7033	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	13-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.3506	-118.7033	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	14-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35069	-118.7012	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	15-7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35265	-118.7054	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	16-7	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35406	-118.7034	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	19-12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35194	-118.7148	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35095	-118.7141	Notice of Ir	N	N		IdleOG
-1	4.11E+08	16X	2	Idle	OG	Oil & Gas	B6127	Pacific Coa	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34951	-118.7176	Notice of Ir	N	N		IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35064	-118.7108	Notice of Ir	N	N		IdleOG
-1	4.11E+08	Well No.	2	Idle	DH	Dry Hole	T0050	Tapo Oil Cc	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34657	-118.7099	hud	N	N		IdleDH
-1	4.11E+08	Lease by Ca	20-12	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35303	-118.7129	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	24-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35071	-118.7073	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35056	-118.7108	Notice of Ir	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.3494	-118.7176	Notice of Ir	N	N		IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35094	-118.714	Notice of Ir	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	12-Mar	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35219	-118.7158	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	30-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35133	-118.7025	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	32-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35083	-118.707	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	35-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35083	-118.7072	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	36-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35057	-118.7034	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	38-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35058	-118.7033	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	39-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.34881	-118.6995	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	4	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35022	-118.7166	Well Summ	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	40-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.34892	-118.6995	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	41-18	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35132	-118.7025	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	5	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35016	-118.7166	Well Summ	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	7-Dec	Active	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35241	-118.7011	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	31-7	Active	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35179	-118.702	GPS	N	N		ActiveOG
-1	4.11E+08	Simi Core H	1	Plugged	CH	Core Hole	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35147	-118.7171	hud	N	N		PluggedCH
-1	4.11E+08	M-T	1	Plugged	DH	Dry Hole	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35032	-118.7219	hud	N	N		PluggedDH
-1	4.11E+08	West Tapo	1	Plugged	DH	Dry Hole	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.3502	-118.7252	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	1	Plugged	DH	Dry Hole	H2400	Havenstrite	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34621	-118.7138	hud	N	N		PluggedDH
-1	4.11E+08	Alpha	1	Plugged	DH	Dry Hole	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.3503	-118.7254	hud	N	N		PluggedDH
-1	4.11E+08	Aeco-Nord	13-Jan	Plugged	DH	Dry Hole	164	Aeco Corp	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34488	-118.722	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	1-A	Plugged	DH	Dry Hole	C9100	Crown Cen	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34642	-118.7136	GPS	N	N		PluggedDH
-1	4.11E+08	South Tapo	12-Oct	Plugged	OG	Oil & Gas	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35604	-118.7095	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	11	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34979	-118.7133	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	12	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35056	-118.7112	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	13	Plugged	OG	Oil & Gas	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35097	-118.714	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	14	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35117	-118.7165	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	15	Plugged	OG	Oil & Gas	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35024	-118.7167	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	16	Plugged	OG	Oil & Gas	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34946	-118.7177	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	17	Plugged	OG	Oil & Gas	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35119	-118.7148	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	South Tapc	17-7	Plugged	OG	Oil & Gas	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35415	-118.7054	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	18	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.3512	-118.7158	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	19	Plugged	WD	Water Disp	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34854	-118.7178	GPS	N	N		PluggedWD
-1	4.11E+08	Tapo	2	Plugged	OG	Oil & Gas	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35043	-118.7149	GPS	N	N		PluggedOG
-1	4.11E+08	Alpha	2	Plugged	DH	Dry Hole	254	Alpha Petr(	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35059	-118.7219	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	12-Feb	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35218	-118.7114	GPS	N	N		PluggedOG
-1	4.11E+08	Aeco-Nord	13-Feb	Plugged	DH	Dry Hole	164	Aeco Corp(	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34435	-118.7175	hud	N	N		PluggedDH
-1	4.11E+08	Tapo	2-A	Plugged	DH	Dry Hole	164	Aeco Corp(	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34644	-118.7144	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	21-12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35178	-118.7166	GPS	N	N		PluggedOG
-1	4.11E+08	Tapo	22	Plugged	DH	Dry Hole	S4575	South Tapc	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34467	-118.7139	hud	N	N		PluggedDH
-1	4.11E+08	South Tapc	22-18	Plugged	DH	Dry Hole	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.34704	-118.7022	hud	N	N		PluggedDH
-1	4.11E+08	Gillibrand	23-7	Plugged	OG	Oil & Gas	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35131	-118.7032	hud	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	25-18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35079	-118.7075	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	29-7	Plugged	UNK	Unknown	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	7	03N	17W	SB	34.35166	-118.7033	GPS	N	N		PluggedUNK
-1	4.11E+08	Tapo	3	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35082	-118.7127	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	33-18	Plugged	Multi	Multi-Purp	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35081	-118.7073	GPS	N	Y		PluggedMulti
-1	4.11E+08	Lease by Ca	34-18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35072	-118.7071	GPS	N	Y		PluggedOG
-1	4.11E+08	Lease by Ca	37-18	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	18	03N	17W	SB	34.35063	-118.7032	GPS	N	Y		PluggedOG
-1	4.11E+08	Tapo	4	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35074	-118.7174	GPS	N	N		PluggedOG
-1	4.11E+08	South Tapc	12-Apr	Plugged	OG	Oil & Gas	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35374	-118.7156	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	5	Plugged	OG	Oil & Gas	I0570	INNEX Calif	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35078	-118.7109	GPS	N	N		PluggedOG
-1	4.11E+08	South Tapc	12-May	Plugged	OG	Oil & Gas	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35375	-118.7137	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	6	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34904	-118.7171	GPS	N	N		PluggedOG
-1	4.11E+08	South Tapc	12-Jun	Plugged	OG	Oil & Gas	P3875	Freeport-M	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.3519	-118.7179	hud	N	N		PluggedOG
-1	4.11E+08	Tapo	7	Plugged	OG	Oil & Gas	D1867	Deuel Pet.	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34871	-118.715	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	12-Jul	Plugged	WD	Water Disp	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.34897	-118.715	GPS	N	N	5/30/1953	PluggedWD
-1	4.11E+08	Tapo	8	Plugged	OG	Oil & Gas	M8200	Murray-Tex	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	13	03N	18W	SB	34.35073	-118.7193	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	12-Aug	Plugged	UNK	Unknown	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35407	-118.7118	GPS	N	N		PluggedUNK
-1	4.11E+08	Lease by Ca	12-Sep	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Tapo Canyon, Sou	Any Area	Ventura County	Northern	Ventura	12	03N	18W	SB	34.35588	-118.7115	GPS	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	1-Jan	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Ridge	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.36952	-118.7248	GPS	N	Y	2/9/1980	IdleOG
-1	4.11E+08	Lease by Ca	27	Idle	OG	Oil & Gas	E0455	CalNRG Op	Tapo Ridge	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37002	-118.7232	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	0-1	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38403	-118.7256	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	0-21	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38281	-118.7261	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	0-23	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38309	-118.7267	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	0-24	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38441	-118.7258	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	0-3	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38357	-118.7239	GPS	N	N	10/13/1950	IdleOG
-1	4.11E+08	N. L. & F.	0-31	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38614	-118.7353	GPS	N	N	1/30/1958	IdleOG
-1	4.11E+08	N. L. & F.	0-4	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38321	-118.7241	GPS	N	N	11/24/1951	IdleOG
-1	4.11E+08	N. L. & F.	0-6	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38382	-118.7269	GPS	N	N	2/16/1954	IdleOG
-1	4.11E+08	N. L. & F.	0-8	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38453	-118.7277	hud	N	N	9/29/1974	IdleOG
-1	4.11E+08	Hanna	1	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37711	-118.7216	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	10A	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38448	-118.7266	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	2	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38601	-118.7354	GPS	N	Y		IdleOG
-1	4.11E+08	Hanna	2	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37713	-118.7216	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	3	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38171	-118.7342	GPS	N	Y		IdleOG
-1	4.11E+08	Hanna	3	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37683	-118.7213	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	2-Aug	Idle	DH	Dry Hole	H1400	Hanna Oil (	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37643	-118.7204	hud	N	N		IdleDH
-1	4.11E+08	N. L. & F.	G-1	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38451	-118.7273	GPS	N	N		IdleOG
-1	4.11E+08	N. L. & F.	W-17	Idle	OG	Oil & Gas	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38441	-118.7323	GPS	N	N	5/20/1955	IdleOG
-1	4.11E+08	N. L. & F.	W-4	Idle	WD	Water Disp	A4050	Patriot Res	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38429	-118.7244	GPS	N	N	11/5/1950	IdleWD
-1	4.11E+08	Unspecifie		Plugged	DH	Dry Hole	1091	C. F. Grund	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37821	-118.7158	hud	N	N		PluggedDH
-1	4.11E+08	Unspecifie(	?	Plugged	OG	Oil & Gas	3542	Great West	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.37883	-118.7116	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	0-5	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38319	-118.7225	hud	N	N		PluggedOG
-1	4.11E+08	Newhall La	1	Plugged	DH	Dry Hole	E3700	Exxon Mob	Tapo, North	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.3751	-118.7329	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	6997	R. A. Betz, (	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37685	-118.7221	hud	N	N		PluggedDH
-1	4.11E+08	Carlsberg-M	1	Plugged	DH	Dry Hole	G2900	Great Basir	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37621	-118.7116	hud	N	N		PluggedDH
-1	4.11E+08	N. L. & F.	35-2	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38132	-118.7341	hud	N	N		PluggedOG
-1	4.11E+08	Rancho Sar	36-1	Plugged	DH	Dry Hole	C7800	Conoco Inc	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38144	-118.7264	hud	N	N		PluggedDH
-1	4.11E+08	N. L. & F.	B-1	Plugged	OG	Oil & Gas	H1400	Hanna Oil (	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37534	-118.72	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	B-2	Plugged	OG	Oil & Gas	H1400	Hanna Oil (	Tapo, North	Any Area	Ventura County	Northern	Ventura	1	03N	18W	SB	34.37814	-118.722	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	B-3	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38404	-118.7322	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	B-4	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.37937	-118.733	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	C-1	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	2	03N	18W	SB	34.37755	-118.7305	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	C-2	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38372	-118.7275	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	C-3	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38308	-118.7242	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	N. L. & F.	C-4	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38329	-118.7227	hud	N	N	11/27/1927	PluggedOG
-1	4.11E+08	N. L. & F.	C.Q. 12	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38417	-118.7237	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	D-1	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38189	-118.7255	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	D-2	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.3819	-118.7249	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	M-5	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38474	-118.7336	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	O-13	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38498	-118.7333	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	O-2	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38335	-118.7251	hud	N	N	9/9/1952	PluggedOG
-1	4.11E+08	N. L. & F.	O-7	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38373	-118.7282	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	O-9	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38451	-118.7289	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-11	Plugged	OG	Oil & Gas	8677	Unknown (	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38081	-118.7217	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-12	Plugged	OG	Oil & Gas	8677	Unknown (	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38108	-118.7224	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-13	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38178	-118.7215	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-14	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.3826	-118.7223	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-15	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38298	-118.7232	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-16	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.3838	-118.7245	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	U-17	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38445	-118.7261	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	U-18	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38236	-118.7213	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	Unknown 1	Plugged	OG	Oil & Gas	8677	Unknown (	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.3819	-118.7197	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	W-1	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38361	-118.7232	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	W-10	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.3844	-118.7269	hud	N	N	1/3/1954	PluggedINJ
-1	4.11E+08	N. L. & F.	W-11	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38408	-118.7281	hud	N	N	12/3/1953	PluggedINJ
-1	4.11E+08	N. L. & F.	W-12	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38411	-118.7293	hud	N	N	5/21/1954	PluggedINJ
-1	4.11E+08	N. L. & F.	W-13	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38476	-118.7286	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	W-14	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38474	-118.73	hud	N	N	5/17/1954	PluggedOG
-1	4.11E+08	N. L. & F.	W-16	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.38528	-118.7322	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	W-2	Plugged	Multi	Multi-Purp	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38325	-118.7234	hud	N	N	5/30/1951	PluggedMulti
-1	4.11E+08	N. L. & F.	W-22	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.383	-118.7249	hud	N	N	4/27/1956	PluggedOG
-1	4.11E+08	N. L. & F.	W-3	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38371	-118.7259	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	W-3X	Plugged	Multi	Multi-Purp	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38378	-118.7264	hud	N	N	9/5/1954	PluggedMulti
-1	4.11E+08	N. L. & F.	W-5	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38331	-118.7261	hud	N	N	1/10/1953	PluggedOG
-1	4.11E+08	N. L. & F.	W-6	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38313	-118.7217	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	W-7	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38277	-118.7218	hud	N	N	7/15/1951	PluggedINJ
-1	4.11E+08	N. L. & F.	W-8	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38366	-118.7249	hud	N	N	8/5/1951	PluggedOG
-1	4.11E+08	N. L. & F.	W-9	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	35	04N	18W	SB	34.3835	-118.7271	hud	N	N		PluggedINJ
-1	4.11E+08	N. L. & F.	WOC-1	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38079	-118.7212	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	X-2	Plugged	OG	Oil & Gas	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.3829	-118.7244	hud	N	N		PluggedOG
-1	4.11E+08	N. L. & F.	X-4	Plugged	INJ	Injection	10366	The Newha	Tapo, North	Any Area	Ventura County	Northern	Ventura	36	04N	18W	SB	34.38295	-118.7236	hud	N	N	10/28/1955	PluggedINJ
-1	4.11E+08	Temescal	29	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46437	-118.7664	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Temescal	30	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46437	-118.7664	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Temescal	32	Canceled	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46437	-118.7664	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Hidden	1	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	5	04N	18W	SB	34.46236	-118.7794	GPS	N	N	12/20/1936	IdleOG
-1	4.11E+08	Snow	1A	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46192	-118.7734	GPS	N	N		IdleOG
-1	4.11E+08	Snow	2	Idle	WD	Water Disp	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46174	-118.7745	GPS	N	N		IdleWD
-1	4.11E+08	Temescal	28	Idle	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46437	-118.7664	Well Summ	N	Y	6/14/2014	IdleOG
-1	4.11E+08	Snow	3	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46173	-118.7757	GPS	N	N		IdleOG
-1	4.11E+08	Snow	4	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46171	-118.7769	GPS	N	N		IdleOG
-1	4.11E+08	Snow	5	Idle	WD	Water Disp	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46077	-118.7744	GPS	N	N		IdleWD
-1	4.11E+08	Temescal	1-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	10	04N	18W	SB	34.45098	-118.7636	GPS	N	Y	3/12/1992	IdleOG
-1	4.11E+08	Temescal	2-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	10	04N	18W	SB	34.45094	-118.7636	GPS	N	Y	9/2/1993	IdleOG
-1	4.11E+08	Temescal	3-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.44885	-118.767	GPS	N	N	9/11/1994	IdleOG
-1	4.11E+08	Temescal	4-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	10	04N	18W	SB	34.45091	-118.7637	GPS	N	N	2/11/1994	IdleOG
-1	4.11E+08	Temescal	5-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.44905	-118.7727	GPS	N	Y	8/5/1995	IdleOG
-1	4.11E+08	Temescal	6-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.44906	-118.7728	GPS	N	Y	8/31/1995	IdleOG
-1	4.11E+08	Temescal	7-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.44887	-118.767	GPS	N	N	8/24/1996	IdleOG
-1	4.11E+08	Temescal	8-Sep	Idle	OG	Oil & Gas	A2490	Ample Res	Temescal	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.45111	-118.7636	Well Summ	N	Y	2/8/2005	IdleOG
-1	4.11E+08	Temescal	12	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46343	-118.7629	Well Summ	N	Y	8/12/2013	ActiveOG
-1	4.11E+08	Temescal	15	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46328	-118.7616	Well Summ	N	N	12/16/1942	ActiveOG
-1	4.11E+08	Temescal	16	Active	WD	Water Disp	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46309	-118.7605	Well Summ	N	N	1/18/1944	ActiveWD
-1	4.11E+08	Temescal	20	Active	WD	Water Disp	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46247	-118.767	Well Summ	N	N	8/13/1966	ActiveWD
-1	4.11E+08	Temescal	21	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46414	-118.7652	Well Summ	N	Y	8/11/2010	ActiveOG
-1	4.11E+08	Temescal	22	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46402	-118.7661	Well Summ	N	Y	6/19/2012	ActiveOG
-1	4.11E+08	Temescal	23	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46402	-118.766	Well Summ	N	Y	7/14/2011	ActiveOG
-1	4.11E+08	Temescal	26	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46458	-118.7664	Well Summ	N	Y	7/3/2014	ActiveOG
-1	4.11E+08	Temescal	27	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.4646	-118.7665	Well Summ	N	Y	6/25/2014	ActiveOG
-1	4.11E+08	Temescal	31	Active	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46458	-118.7664	Well Summ	N	Y	7/8/2014	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Strange	1	Plugged	OG	Oil & Gas	D1300	Decalta Int	Temescal	Any Area	Ventura County	Northern	Ventura	5	04N	18W	SB	34.45603	-118.7802	hud	N	Y		PluggedOG
-1	4.11E+08	Aggie	1	Plugged	DH	Dry Hole	3440	Ginger Oil (	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.4654	-118.7757	hud	N	N	9/24/1961	PluggedDH
-1	4.11E+08	Hidden	1	Plugged	DH	Dry Hole	7968	Southern C	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.45687	-118.7779	hud	N	N		PluggedDH
-1	4.11E+08	Temescal	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46283	-118.7714	hud	N	N	8/3/1922	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5286	Leonard Br	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46512	-118.7728	hud	N	N		PluggedDH
-1	4.11E+08	Clarkson	1	Plugged	DH	Dry Hole	R3900	Rothschild	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.45508	-118.778	hud	N	N	1/23/1957	PluggedDH
-1	4.11E+08	Santa Felec	10	Plugged	DH	Dry Hole	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46095	-118.7509	hud	N	N		PluggedDH
-1	4.11E+08	Temescal	10	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46169	-118.7712	hud	N	N		PluggedOG
-1	4.11E+08	Temescal	11	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46403	-118.7668	Well Summ	N	Y	2/13/1942	PluggedOG
-1	4.11E+08	Temescal	13	Plugged	WF	Waterflood	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46362	-118.7585	Well Summ	N	N	7/19/1942	PluggedWF
-1	4.11E+08	Temescal	14	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46335	-118.7652	Well Summ	N	N	2/14/1943	PluggedOG
-1	4.11E+08	Temescal	17	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46404	-118.768	Well Summ	N	Y	10/20/1944	PluggedOG
-1	4.11E+08	Temescal	18	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46261	-118.771	hud	N	N		PluggedOG
-1	4.11E+08	Temescal	19	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46247	-118.7778	hud	N	Y	8/12/1983	PluggedOG
-1	4.11E+08	Hidden	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	5	04N	18W	SB	34.45859	-118.7798	hud	N	N	12/6/1942	PluggedDH
-1	4.11E+08	Temescal	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46231	-118.7706	hud	N	N	2/5/1922	PluggedOG
-1	4.11E+08	Temescal	24	Plugged	OG	Oil & Gas	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46443	-118.7665	Well Summ	N	N	8/18/2012	PluggedOG
-1	4.11E+08	Temescal	24A	Plugged	DH	Dry Hole	D1325	DCOR, LLC	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46451	-118.7665	Well Summ	N	N	8/22/2012	PluggedDH
-1	4.11E+08	Santa Felec	3	Plugged	DH	Dry Hole	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46049	-118.7513	hud	N	N		PluggedDH
-1	4.11E+08	Temescal	3	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.4639	-118.7542	hud	N	N	3/24/1926	PluggedOG
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	6862	Piru Oil an	Temescal	Any Area	Ventura County	Northern	Ventura	9	04N	18W	SB	34.44819	-118.773	hud	N	N		PluggedDH
-1	4.11E+08	Hidden	3	Plugged	OG	Oil & Gas	D1300	Decalta Int	Temescal	Any Area	Ventura County	Northern	Ventura	5	04N	18W	SB	34.4608	-118.7812	hud	N	N		PluggedOG
-1	4.11E+08	Hidden	4	Plugged	OG	Oil & Gas	D1300	Decalta Int	Temescal	Any Area	Ventura County	Northern	Ventura	5	04N	18W	SB	34.46096	-118.7808	hud	N	N		PluggedOG
-1	4.11E+08	Temescal	4	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46302	-118.7493	hud	N	N	12/12/1926	PluggedOG
-1	4.11E+08	Ackles	1-Apr	Plugged	OG	Oil & Gas	S2630	Seneca Res	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.45529	-118.778	hud	N	Y	10/16/1996	PluggedOG
-1	4.11E+08	Temescal	40	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.45907	-118.7713	hud	N	Y	12/26/1989	PluggedOG
-1	4.11E+08	Temescal	5	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	3	04N	18W	SB	34.46487	-118.7544	hud	N	N	7/9/1928	PluggedOG
-1	4.11E+08	Temescal	6	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46286	-118.7723	hud	N	N		PluggedOG
-1	4.11E+08	Temescal	7	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46202	-118.773	hud	N	N		PluggedOG
-1	4.11E+08	Temescal	8	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.4627	-118.7738	hud	N	N		PluggedOG
-1	4.11E+08	Temescal	9	Plugged	OG	Oil & Gas	C5640	Chevron U.	Temescal	Any Area	Ventura County	Northern	Ventura	4	04N	18W	SB	34.46276	-118.775	hud	N	N		PluggedOG
-1	4.11E+08	E. P. Clark	15	Idle	WD	Water Disp	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42359	-119.0518	GPS	N	N	11/8/1953	IdleWD
-1	4.11E+08	E. P. Clark	18	Idle	WD	Water Disp	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42336	-119.0549	Well Summ	N	N	7/26/1955	IdleWD
-1	4.11E+08	West	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42572	-119.0386	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42501	-119.0415	GPS	N	N		ActiveOG
-1	4.11E+08	Denison	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42402	-119.0314	GPS	N	N		ActiveOG
-1	4.11E+08	West	1	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42644	-119.032	GPS	N	N		ActiveOG
-1	4.11E+08	West	10	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42629	-119.0317	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	10	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42274	-119.0445	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	11	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42393	-119.0429	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	12	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42282	-119.0466	GPS	N	N		ActiveOG
-1	4.11E+08	West	12	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42795	-119.041	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	14	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42434	-119.0499	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	16	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42461	-119.0515	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	17	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42429	-119.0536	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42503	-119.0418	GPS	N	N		ActiveOG
-1	4.11E+08	West	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42648	-119.0391	GPS	N	N		ActiveOG
-1	4.11E+08	West	2	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42413	-119.0325	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	20	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42453	-119.0467	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	21	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42475	-119.0485	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	22	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42554	-119.0447	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	23	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42537	-119.0499	GPS	N	Y		ActiveOG
-1	4.11E+08	E. P. Clark	24	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42443	-119.0516	GPS	N	Y		ActiveOG
-1	4.11E+08	West	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42617	-119.0428	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42436	-119.044	GPS	N	N		ActiveOG
-1	4.11E+08	West	3	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42625	-119.0382	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42388	-119.0458	GPS	N	N		ActiveOG
-1	4.11E+08	West	4	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42645	-119.0449	GPS	N	N		ActiveOG
-1	4.11E+08	West	5	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42698	-119.0418	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	6	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42339	-119.048	GPS	N	N		ActiveOG
-1	4.11E+08	D. A. West	7	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42715	-119.0421	GPS	N	N		ActiveOG
-1	4.11E+08	West	8	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.4269	-119.0385	GPS	N	Y		ActiveOG
-1	4.11E+08	West	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42694	-119.0386	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	9	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.4246	-119.0383	GPS	N	N		ActiveOG
-1	4.11E+08	E. P. Clark	901	Active	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42551	-119.0395	GPS	N	N		ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Unspecifie		Plugged	OG	Oil & Gas	5856	Memphis C	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	20W	SB	34.42567	-119.0532	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie		Plugged	OG	Oil & Gas	9172	Whidden D	Timber Canyon	Main	Ventura County	Northern	Ventura	19	04N	21W	SB	34.42205	-119.0243	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	OG	Oil & Gas	9303	Windsor Oi	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42433	-119.0328	hud	N	N		PluggedOG
-1	4.11E+08	Andrews-T	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42347	-119.015	hud	N	N		PluggedDH
-1	4.11E+08	West	1	Plugged	OG	Oil & Gas	1926	Crude Oils,	Timber Canyon	Main	Ventura County	Northern	Ventura	19	04N	20W	SB	34.42139	-119.0157	hud	N	N		PluggedOG
-1	4.11E+08	Loel-Maxw	1	Plugged	OG	Oil & Gas	C5640	Chevron U.	Timber Canyon	Loel-Maxwell (ABD)	Ventura County	Northern	Ventura	18	04N	20W	SB	34.4274	-119.0129	hud	N	N		PluggedOG
-1	4.11E+08	Stallings	1	Plugged	OG	Oil & Gas	1532	Chas Taylo	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.4218	-119.036	GPS	N	N	10/31/1937	PluggedOG
-1	4.11E+08	Atlas-Smitl	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.43024	-119.0448	hud	N	N		PluggedDH
-1	4.11E+08	Loma	1	Plugged	OG	Oil & Gas	5534	M. Conniff	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.42145	-119.0348	hud	N	N		PluggedOG
-1	4.11E+08	Loma	1	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42291	-119.027	hud	N	N		PluggedOG
-1	4.11E+08	Butler	1	Plugged	OG	Oil & Gas	1532	Chas Taylo	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.42183	-119.036	hud	N	N		PluggedOG
-1	4.11E+08	West End	1	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42293	-119.0452	hud	N	N		PluggedOG
-1	4.11E+08	Ward & Stc	1	Plugged	OG	Oil & Gas	T1850	Texpro, Inc	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42531	-119.0191	hud	N	N		PluggedOG
-1	4.11E+08	Chieftan	1	Plugged	OG	Oil & Gas	T1850	Texpro, Inc	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.4225	-119.0188	GPS	N	N		PluggedOG
-1	4.11E+08	Dorn	1	Plugged	OG	Oil & Gas	5146	L. W. S. Co.	Timber Canyon	Main	Ventura County	Northern	Ventura	19	04N	20W	SB	34.41674	-119.0187	hud	N	N		PluggedOG
-1	4.11E+08	Ridgeway	1	Plugged	DH	Dry Hole	A4500	Arco Oil an	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42784	-119.0408	hud	N	Y		PluggedDH
-1	4.11E+08	Timber Car	1	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42342	-119.024	GPS	N	N		PluggedOG
-1	4.11E+08	Loma	10	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.42191	-119.0312	GPS	N	N		PluggedOG
-1	4.11E+08	Loma	11	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42259	-119.0314	GPS	N	N		PluggedOG
-1	4.11E+08	E. P. Clark	13	Plugged	DH	Dry Hole	A4500	Arco Oil an	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42587	-119.0237	hud	N	N		PluggedDH
-1	4.11E+08	Kirtlan	14-1	Plugged	OG	Oil & Gas	M6925	Mobil Oil E	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42991	-119.059	hud	N	N		PluggedOG
-1	4.11E+08	E. P. Clark	19	Plugged	DH	Dry Hole	A4500	Arco Oil an	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42382	-119.0574	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	5534	M. Conniff	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42266	-119.0351	hud	N	N		PluggedOG
-1	4.11E+08	West End	2	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42252	-119.0432	GPS	N	N		PluggedOG
-1	4.11E+08	Chieftan	2	Plugged	OG	Oil & Gas	T1850	Texpro, Inc	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42229	-119.0186	GPS	N	N		PluggedOG
-1	4.11E+08	Loel-Maxw	2	Plugged	OG	Oil & Gas	C5640	Chevron U.	Timber Canyon	Loel-Maxwell (ABD)	Ventura County	Northern	Ventura	18	04N	20W	SB	34.43213	-119.0105	hud	N	N		PluggedOG
-1	4.11E+08	Atlas-Smitl	2	Plugged	DH	Dry Hole	A4500	Arco Oil an	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.43071	-119.0583	hud	N	N		PluggedDH
-1	4.11E+08	Timber Car	2	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42376	-119.024	hud	N	N		PluggedOG
-1	4.11E+08	Loma	2	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.4229	-119.0287	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	2	Plugged	OG	Oil & Gas	9303	Windsor Oi	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42438	-119.032	hud	N	N		PluggedOG
-1	4.11E+08	Timber Car	3	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42342	-119.024	GPS	N	N		PluggedOG
-1	4.11E+08	Chieftan	3	Plugged	OG	Oil & Gas	T1850	Texpro, Inc	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42281	-119.0173	GPS	N	N		PluggedOG
-1	4.11E+08	Loma	3	Plugged	OG	Oil & Gas	5534	M. Conniff	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.42191	-119.0343	hud	N	N		PluggedOG
-1	4.11E+08	Loma	3	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.42196	-119.0319	hud	N	N		PluggedOG
-1	4.11E+08	West End	3	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42245	-119.0424	GPS	N	N		PluggedOG
-1	4.11E+08	Loma	4	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.42181	-119.0293	hud	N	N		PluggedOG
-1	4.11E+08	Chieftan	4	Plugged	OG	Oil & Gas	T1850	Texpro, Inc	Timber Canyon	Main	Ventura County	Northern	Ventura	18	04N	20W	SB	34.42508	-119.0196	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	4	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42382	-119.0271	hud	N	N		PluggedOG
-1	4.11E+08	E. P. Clark	5	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42462	-119.0392	GPS	N	N	5/7/1949	PluggedOG
-1	4.11E+08	Loma	5	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42321	-119.0293	hud	N	N		PluggedOG
-1	4.11E+08	Loma	6	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	24	04N	21W	SB	34.4215	-119.0263	hud	N	N		PluggedOG
-1	4.11E+08	West	6	Plugged	DH	Dry Hole	A4500	Arco Oil an	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42712	-119.0462	hud	N	N		PluggedDH
-1	4.11E+08	Loma	7	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42257	-119.0317	hud	N	N		PluggedOG
-1	4.11E+08	E. P. Clark	7	Plugged	OG	Oil & Gas	C0557	Carbon Cal	Timber Canyon	Main	Ventura County	Northern	Ventura	14	04N	21W	SB	34.42338	-119.0502	GPS	N	N	7/6/1949	PluggedOG
-1	4.11E+08	Loma	8	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42227	-119.0316	GPS	N	N		PluggedOG
-1	4.11E+08	Loma	9	Plugged	OG	Oil & Gas	E2600	Empire Oil	Timber Canyon	Main	Ventura County	Northern	Ventura	13	04N	21W	SB	34.42349	-119.0327	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	100	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37288	-118.7857	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	101	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37509	-118.7862	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	107	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37377	-118.78	GPS	N	Y		IdleOG
-1	4.11E+08	Lease by Ca	108	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37199	-118.7895	GPS	N	Y		IdleOG
-1	4.11E+08	Torrey	11	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37498	-118.7818	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	113	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37576	-118.7854	Well Summ	N	N	5/13/2012	IdleOG
-1	4.11E+08	Lease by Ca	115	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3758	-118.7854	Well Summ	N	N	4/18/2012	IdleOG
-1	4.11E+08	Lease by Ca	116	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3757	-118.7854	Well Summ	N	Y	6/13/2012	IdleOG
-1	4.11E+08	Lease by Ca	117	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37594	-118.7842	Notice of Ir	N	N	11/13/2012	IdleOG
-1	4.11E+08	Lease by Ca	13	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37279	-118.789	GPS	N	N		IdleOG
-1	4.11E+08	Torrey	16	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37185	-118.78	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	19	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37315	-118.7863	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	22	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37223	-118.7876	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	32	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37076	-118.7836	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	35	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37033	-118.7888	GPS	N	N		IdleOG
-1	4.11E+08	Torrey	36	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37165	-118.7815	hud	N	N		IdleOG
-1	4.11E+08	Torrey	39	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37555	-118.7873	hud	N	N		IdleOG
-1	4.11E+08	Torrey	40	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37652	-118.7857	hud	N	N		IdleOG
-1	4.11E+08	Lease by Ca	44	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3692	-118.7912	hud	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lease by Ca	53	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37053	-118.7874	Well Summ	N	N	10/11/1900	IdleOG
-1	4.11E+08	Torrey	55	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3751	-118.78	hud	N	N		IdleOG
-1	4.11E+08	Torrey	59	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37304	-118.7855	Well Summ	N	N	11/20/1903	IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37459	-118.7895	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	60	Idle	WD	Water Disp	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36845	-118.7864	GPS	N	N		IdleWD
-1	4.11E+08	Lease by Ca	65	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37402	-118.7879	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	67	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36979	-118.7875	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	68	Idle	WF	Waterflood	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37292	-118.788	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	69	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37221	-118.7837	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	71	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37106	-118.7878	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	72	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37338	-118.7819	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	73	Idle	WF	Waterflood	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3709	-118.786	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	74	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37158	-118.7828	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	75	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37094	-118.7834	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	77	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3722	-118.789	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	78	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37009	-118.7848	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	79	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36984	-118.7851	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	8	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37289	-118.7872	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	81	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37149	-118.7845	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	83	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37106	-118.785	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	84	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37192	-118.7826	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	86	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37308	-118.7873	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	87	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3742	-118.7891	GPS	N	N		IdleOG
-1	4.11E+08	Torrey	9	Idle	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37392	-118.791	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	90	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37184	-118.7803	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	91	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37438	-118.7874	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	92	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.373	-118.7857	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	94-RD	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37584	-118.7893	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	96	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37615	-118.784	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	97	Idle	WD	Water Disp	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37733	-118.7859	GPS	N	N	10/29/1954	IdleWD
-1	4.11E+08	Lease by Ca	98	Idle	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37491	-118.786	GPS	N	N		IdleOG
-1	4.11E+08	Lease by Ca	W-1	Idle	WF	Waterflood	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36971	-118.7892	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	W-2	Idle	WF	Waterflood	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36932	-118.7831	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	W-3	Idle	WF	Waterflood	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36831	-118.7861	GPS	N	N		IdleWF
-1	4.11E+08	Lease by Ca	105	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37328	-118.791	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	106	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37197	-118.7894	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	110	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37313	-118.7823	GPS	N	Y		ActiveOG
-1	4.11E+08	Lease by Ca	111	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37338	-118.7859	Well Summ	N	Y	11/18/2011	ActiveOG
-1	4.11E+08	Lease by Ca	112	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37585	-118.7855	Well Summ	N	Y	3/3/2012	ActiveOG
-1	4.11E+08	Lease by Ca	24	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37091	-118.7881	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	61	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3721	-118.785	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	62	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37386	-118.7865	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	63	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37192	-118.7865	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	64	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37363	-118.7854	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	66	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37278	-118.7857	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	70	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37089	-118.786	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	82	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3724	-118.7844	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	85	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37346	-118.7803	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	88	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37157	-118.7871	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	89	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37318	-118.7825	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	93	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37308	-118.789	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	95	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37522	-118.7858	GPS	N	N		ActiveOG
-1	4.11E+08	Lease by Ca	99	Active	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37592	-118.7857	GPS	N	N		ActiveOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	5790	McCray Br	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.3737	-118.7997	hud	N	N		PluggedDH
-1	4.11E+08	Torrey	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37268	-118.7907	hud	N	N		PluggedOG
-1	4.11E+08	Hunter	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37329	-118.7999	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	10	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37198	-118.7865	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	102	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37058	-118.7952	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	103	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37315	-118.7915	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	104	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37323	-118.7917	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	109-4	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.37096	-118.7715	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	12	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37382	-118.7874	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	14	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37478	-118.7922	hud	N	N	02/03/1892	PluggedOG
-1	4.11E+08	Torrey	15	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37389	-118.7885	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	17	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37317	-118.7909	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Torrey	18	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37399	-118.7896	hud	N	N		PluggedOG
-1	4.11E+08	Hunter	2	Plugged	DH	Dry Hole	C5640	Chevron U.	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37799	-118.7995	hud	N	N		PluggedDH
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	5790	McCray Bro	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37261	-118.8	hud	N	N		PluggedDH
-1	4.11E+08	Torrey	2	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3718	-118.7894	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	20	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37554	-118.7899	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	21	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37221	-118.7852	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	23	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3714	-118.7901	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	25	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37379	-118.785	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	26	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37227	-118.7835	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	27	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37473	-118.7861	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	28	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37054	-118.7863	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	29	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36921	-118.7875	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	3	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37256	-118.7917	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	3	Plugged	DH	Dry Hole	5790	McCray Bro	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	6	03N	18W	SB	34.37328	-118.799	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	30	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37469	-118.7882	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	31	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37523	-118.7825	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	33	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37301	-118.782	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	34	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37366	-118.7921	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	37	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37229	-118.793	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	38	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37129	-118.7921	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	4	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37114	-118.7875	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	42	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37157	-118.7817	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	43	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36911	-118.7889	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	45	Plugged	WF	Waterfloo	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36911	-118.786	hud	N	N		PluggedWF
-1	4.11E+08	Lease by Ca	46	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37181	-118.785	Well Summ	N	N	5/13/1900	PluggedOG
-1	4.11E+08	Torrey	47	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36921	-118.7847	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	48	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36787	-118.781	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	49	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36992	-118.7921	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	5	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37389	-118.7907	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	50	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36927	-118.7826	hud	N	N		PluggedOG
-1	4.11E+08	Lease by Ca	51	Plugged	OG	Oil & Gas	E0455	CalNRG Op	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37046	-118.7821	GPS	N	N	3/8/1901	PluggedOG
-1	4.11E+08	Torrey	52	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37213	-118.7863	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	54	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36962	-118.7889	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	56	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.36954	-118.7792	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	57	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	4	03N	18W	SB	34.37159	-118.7765	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	58	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37255	-118.7871	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	7	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37303	-118.7891	GPS	N	N		PluggedOG
-1	4.11E+08	Torrey	76	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.3737	-118.7899	hud	N	N		PluggedOG
-1	4.11E+08	Torrey	80	Plugged	OG	Oil & Gas	P3875	Freeport-M	Torrey Canyon	Any Area	Ventura County	Northern	Ventura	5	03N	18W	SB	34.37419	-118.7915	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	168	Canceled	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.32032	-119.2531	GPS	N	N		CanceledOG
-1	4.11E+08	V.L. & W.	184	Canceled	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32071	-119.2529	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Lloyd	278	Canceled	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31906	-119.2716	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Lloyd	291	Canceled	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31853	-119.2738	Notice of Ir	N	N		CanceledWF
-1	4.11E+08	Lloyd	292	Canceled	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3191	-119.2725	Notice of Ir	N	N		CanceledINJ
-1	4.11E+08	Lloyd	298	Canceled	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31944	-119.2875	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Taylor	839	Canceled	UNK	Unknown	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31182	-119.3183	Notice of Ir	N	N		CanceledUNK
-1	4.11E+08	Taylor	845	Canceled	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31193	-119.3099	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Lloyd Corp.	96	Canceled	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32193	-119.2498	Notice of Ir	N	N		CanceledOG
-1	4.11E+08	Hartmann-	1	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3222	-119.2832	Operator	N	N	2/19/1948	IdleWF
-1	4.11E+08	Lloyd Corp.	1	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32295	-119.2419	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	1	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31854	-119.2572	GPS	N	N		IdleOG
-1	4.11E+08	Well No.	1	Idle	OG	Oil & Gas	4777	Joseph B. D	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30951	-119.2974	Well Summ	N	N	11/18/1914	IdleOG
-1	4.11E+08	RBU Orton	1	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31284	-119.2956	GPS	N	N		IdleWF
-1	4.11E+08	RBU Orton	10	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31232	-119.2956	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	10	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31822	-119.2545	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	10	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3228	-119.2463	Operator	N	N		IdleOG
-1	4.11E+08	McGonigle	10	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3217	-119.2573	Operator	N	N		IdleOG
-1	4.11E+08	V.L. & W.	100	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32167	-119.2288	GPS	N	N		IdleWF
-1	4.11E+08	V. L. & W.	101	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31993	-119.2343	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	102	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3198	-119.2358	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	104	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32038	-119.2581	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	104	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32029	-119.2323	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	105	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3198	-119.2358	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	106	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32192	-119.2342	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	106	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31583	-119.3155	Operator	N	N		IdleWF

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd	107	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32027	-119.2624	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	109	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32194	-119.2319	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp	11	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31873	-119.2834	GPS	N	N		IdleOG
-1	4.11E+08	RBU Edisor	11	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31789	-119.2939	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	113	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31999	-119.2415	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	115R	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31454	-119.3082	Operator	N	Y		IdleOG
-1	4.11E+08	V.L. & W.	117	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32174	-119.229	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	119	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.3207	-119.2305	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd	119	Idle	OB	Observatio	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31881	-119.276	GPS	N	N	2/10/1940	IdleOB
-1	4.11E+08	Lloyd Corp	12	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32216	-119.2542	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	12	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31763	-119.2572	GPS	N	N		IdleOG
-1	4.11E+08	RBU Gosne	12	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31448	-119.2896	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	12	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32176	-119.2645	GPS	N	Y		IdleOG
-1	4.11E+08	Hartman	12	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32415	-119.2833	GPS	N	N	12/17/1950	IdleOG
-1	4.11E+08	V. L. & W.	121	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31989	-119.2344	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	122	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32023	-119.2325	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	123	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31846	-119.2829	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	123	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32152	-119.2289	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	124	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31304	-119.3173	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	125	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31944	-119.2584	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	126	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31981	-119.2345	Operator	N	Y		IdleOG
-1	4.11E+08	Taylor	129	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32172	-119.3001	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp	13	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32221	-119.2515	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	130	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31675	-119.2761	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	132	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32022	-119.2327	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	133	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31509	-119.2766	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	134	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31885	-119.2842	Operator	N	Y		IdleOG
-1	4.11E+08	Taylor	135	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31134	-119.3074	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	135	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31652	-119.2837	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	135	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31874	-119.2496	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	137	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32196	-119.2343	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	137	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31436	-119.3222	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	137B	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31792	-119.2641	Well Summ	N	Y	1/29/1937	IdleOG
-1	4.11E+08	Hartmann	14	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32151	-119.2866	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	14	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32195	-119.2627	GPS	N	N	1/13/1939	IdleOG
-1	4.11E+08	Lloyd	140	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32013	-119.2617	GPS	N	Y		IdleOG
-1	4.11E+08	V.L. & W.	141	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32037	-119.2323	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	141	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31898	-119.2614	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	142	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32027	-119.239	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	143	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31176	-119.3125	GPS	N	N		IdleWF
-1	4.11E+08	V.L. & W.	144	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32134	-119.2293	GPS	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	145	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.3186	-119.2458	Operator	N	Y		IdleOG
-1	4.11E+08	V.L. & W.	146	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32152	-119.229	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	146	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31863	-119.2805	GPS	N	N	5/7/1947	IdleOG
-1	4.11E+08	V. L. & W.	147	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31581	-119.2537	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd	147	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31826	-119.2678	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	15	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32249	-119.2488	Operator	N	N		IdleOG
-1	4.11E+08	Hartman E	15	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3205	-119.2776	GPS	N	N	1/19/1930	IdleWF
-1	4.11E+08	McGonigle	15	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32211	-119.2558	GPS	N	N	6/20/1938	IdleOG
-1	4.11E+08	Hartmann	15	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32175	-119.289	GPS	N	Y	7/17/1944	IdleOG
-1	4.11E+08	Lloyd	151	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32002	-119.262	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	156	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31779	-119.2699	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	156	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3209	-119.3209	GPS	N	N		IdleWF
-1	4.11E+08	V. L. & W.	159	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31609	-119.2578	GPS	N	Y		IdleWF
-1	4.11E+08	Lloyd	159	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31755	-119.2716	GPS	N	N	1/19/1950	IdleOG
-1	4.11E+08	Barnard	15A	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31902	-119.2871	GPS	N	N	8/21/1932	IdleOG
-1	4.11E+08	McGonigle	16	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32206	-119.2583	GPS	N	N	8/9/1939	IdleWF
-1	4.11E+08	V. L. & W.	16	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31657	-119.2535	GPS	N	N		IdleWS
-1	4.11E+08	Lloyd Corp.	16	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32289	-119.2464	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	161	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31811	-119.2669	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	161	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31727	-119.2576	Operator	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	162	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31559	-119.2533	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	164	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31802	-119.2618	GPS	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	164	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32016	-119.2341	GPS	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	165	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32112	-119.2476	GPS	N	N	8/23/1984	IdleWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	165	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31901	-119.3058	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	166	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32006	-119.2464	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	168	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31293	-119.3015	Operator	N	N	1/17/1944	IdleOG
-1	4.11E+08	Lloyd Corp.	17	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32278	-119.2426	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	176	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31734	-119.3057	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd	178	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31839	-119.2725	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	18	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32298	-119.2399	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	18	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32288	-119.2668	Operator	N	N		IdleOG
-1	4.11E+08	RBU Edisor	18	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31467	-119.2912	GPS	N	N	6/5/1927	IdleWF
-1	4.11E+08	Hartmann	18	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3237	-119.2876	Operator	N	N	1/29/1950	IdleOG
-1	4.11E+08	V.L. & W.	180	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32071	-119.2563	Well Summ	N	Y	10/22/2011	IdleOG
-1	4.11E+08	Lloyd	180	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31868	-119.2653	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	183	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31873	-119.2654	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	183	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3166	-119.2532	Well Summ	N	Y	5/22/2011	IdleOG
-1	4.11E+08	Lloyd	184	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32018	-119.264	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd	185	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31908	-119.2614	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	188	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31959	-119.2979	Operator	N	N		IdleWF
-1	4.11E+08	Taylor	189	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31937	-119.3232	GPS	N	N		IdleWF
-1	4.11E+08	V.L. & W.	19	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32002	-119.2527	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	190	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31959	-119.3277	GPS	N	N	12/1/1944	IdleWF
-1	4.11E+08	Lloyd	191	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31507	-119.2672	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	193	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30996	-119.3039	Operator	N	Y	4/18/1945	IdleWF
-1	4.11E+08	Taylor	194	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31207	-119.3099	GPS	N	Y	12/14/1944	IdleWF
-1	4.11E+08	Taylor	196	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31297	-119.3028	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	198	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31251	-119.3066	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	198	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31781	-119.2617	GPS	N	Y	3/26/1970	IdleWF
-1	4.11E+08	Shell-Lloyd 1A		Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32235	-119.2448	Operator	N	N		IdleOG
-1	4.11E+08	Hartman	2	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32367	-119.2834	GPS	N	N	12/5/1939	IdleOG
-1	4.11E+08	RBU Willet	2	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31218	-119.2938	Operator	N	N		IdleOG
-1	4.11E+08	McGonigle	2	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32116	-119.2656	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	20	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32271	-119.2423	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	20	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31867	-119.2534	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd	201	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31646	-119.2686	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	201	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32015	-119.3082	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	202	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32134	-119.2961	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	203	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31792	-119.2692	GPS	N	Y		IdleWF
-1	4.11E+08	Lloyd	204	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.315	-119.2671	GPS	N	Y		IdleWF
-1	4.11E+08	Lloyd	205	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31853	-119.279	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	207	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32045	-119.3011	GPS	N	Y	5/31/1945	IdleWF
-1	4.11E+08	Hartman Ea	21	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32102	-119.274	GPS	N	N	8/27/1939	IdleOG
-1	4.11E+08	RBU Edisor	21	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31419	-119.2949	GPS	N	N	10/3/1927	IdleWF
-1	4.11E+08	Barnard	21	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32001	-119.2874	GPS	N	N	11/6/1941	IdleOG
-1	4.11E+08	Lloyd Corp	21	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32208	-119.2517	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	21	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31898	-119.2518	GPS	N	Y		IdleWF
-1	4.11E+08	Lloyd	21	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31629	-119.2788	hud	N	N		IdleOG
-1	4.11E+08	RBU Taylor	21	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31326	-119.2961	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	210	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31573	-119.2594	Operator	N	Y		IdleWF
-1	4.11E+08	Taylor	212	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32119	-119.2994	GPS	N	N	7/13/1945	IdleOG
-1	4.11E+08	Lloyd	213	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31974	-119.2591	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	216	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31325	-119.2751	Operator	N	Y	12/10/1971	IdleWF
-1	4.11E+08	Taylor	217	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3214	-119.3034	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd	217	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31485	-119.2811	Operator	N	Y	5/18/1976	IdleWF
-1	4.11E+08	Hartman Ea	22	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32111	-119.276	GPS	N	N	3/7/1940	IdleOG
-1	4.11E+08	Lloyd Corp.	22	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32195	-119.2489	GPS	N	N	6/22/1947	IdleWF
-1	4.11E+08	V. L. & W.	22	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31837	-119.2496	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	22	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32147	-119.264	GPS	N	N	12/26/1946	IdleWF
-1	4.11E+08	Lloyd	221	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31825	-119.2752	Operator	N	Y		IdleOG
-1	4.11E+08	Taylor	227	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3218	-119.3103	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	228	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31742	-119.2742	Operator	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	23	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32011	-119.2488	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp	23	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32225	-119.2537	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	23	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32181	-119.2562	Operator	N	N		IdleOG
-1	4.11E+08	RBU Edisor	23	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31303	-119.2927	GPS	N	N	10/30/1927	IdleOG
-1	4.11E+08	Lloyd	23	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3191	-119.2814	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd	230	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31899	-119.2783	Operator	N	N	11/5/1978	IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd	232	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31849	-119.279	Operator	N	Y	12/7/1979	IdleWF
-1	4.11E+08	Lloyd	234	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31742	-119.2728	Operator	N	Y		IdleWF
-1	4.11E+08	Taylor	236	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31543	-119.3089	GPS	N	N	1/25/1946	IdleWF
-1	4.11E+08	Lloyd	239	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31482	-119.2811	Operator	N	Y	6/26/1981	IdleWF
-1	4.11E+08	Hartman	24	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32242	-119.2834	Operator	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	24	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32042	-119.2444	hud	N	N		IdleWF
-1	4.11E+08	RBU Gosne	24	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31412	-119.2851	Operator	N	N		IdleOG
-1	4.11E+08	McGonigle	24	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32208	-119.2601	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	24	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31334	-119.2791	GPS	N	N	11/25/1927	IdleOG
-1	4.11E+08	Lloyd	241	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31776	-119.2641	Operator	N	Y	5/8/1981	IdleWF
-1	4.11E+08	Lloyd	243	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31971	-119.259	Operator	N	Y	10/12/1981	IdleWF
-1	4.11E+08	Taylor	247	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31148	-119.3235	Operator	N	N	11/25/1946	IdleOG
-1	4.11E+08	Lloyd	248	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31817	-119.2826	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	25	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32293	-119.2393	GPS	N	N		IdleWF
-1	4.11E+08	RBU Edisor	25	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31327	-119.2915	Operator	N	Y		IdleOG
-1	4.11E+08	Hartman E	25	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32197	-119.2812	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	25	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31701	-119.2785	GPS	N	N	1/7/1928	IdleOG
-1	4.11E+08	Taylor	250	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31856	-119.3072	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	250	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31327	-119.2665	GPS	N	Y	9/19/1987	IdleOG
-1	4.11E+08	Taylor	252	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31219	-119.3176	Operator	N	N	2/7/1947	IdleWF
-1	4.11E+08	Lloyd	259	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31452	-119.2762	Operator	N	Y	6/12/2009	IdleOG
-1	4.11E+08	McGonigle	26	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.322	-119.2635	Operator	N	N		IdleWF
-1	4.11E+08	Lloyd	26	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31914	-119.2934	GPS	N	N	11/4/1925	IdleOG
-1	4.11E+08	Hartman E	26	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32119	-119.2816	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	265	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31976	-119.3026	Well Summ	N	N	9/30/1947	IdleOG
-1	4.11E+08	Lloyd	266	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31503	-119.2766	Operator	N	Y	5/1/2009	IdleOG
-1	4.11E+08	Taylor	267	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32177	-119.3011	GPS	N	N	11/10/1947	IdleWF
-1	4.11E+08	Taylor	268	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.319	-119.2991	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	27	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31767	-119.2567	GPS	N	N		IdleOG
-1	4.11E+08	RBU Gosne	27	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura	Northern	Ventura	28	03N	23W	SB	34.31236	-119.2899	GPS	N	N	5/29/1928	IdleWF
-1	4.11E+08	McGonigle	27	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32304	-119.2562	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	27	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32299	-119.2364	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	274	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32058	-119.2614	Well Summ	N	Y	2/17/2010	IdleOG
-1	4.11E+08	Lloyd Corp.	28	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32369	-119.2495	GPS	N	N	5/8/1949	IdleWF
-1	4.11E+08	Taylor	280	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31295	-119.3103	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	282	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31292	-119.3123	GPS	N	N		IdleWF
-1	4.11E+08	V. L. & W.	29	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31905	-119.2482	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	29	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31931	-119.2772	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	29	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32304	-119.259	GPS	N	N	12/5/1949	IdleWF
-1	4.11E+08	Taylor	291	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31474	-119.3169	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	297	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32071	-119.2973	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	298	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31591	-119.308	GPS	N	N	4/26/1952	IdleOG
-1	4.11E+08	Lloyd Corp.	29A	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32331	-119.2348	GPS	N	N		IdleWF
-1	4.11E+08	Shell-Lloyd	2A	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32228	-119.2447	GPS	N	N		IdleOG
-1	4.11E+08	RBU Orton	3	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31206	-119.296	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	3	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32187	-119.2501	GPS	N	N		IdleOG
-1	4.11E+08	Citrus	3	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32082	-119.2906	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	30	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31713	-119.2845	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp	30	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32389	-119.2514	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	303	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31797	-119.2643	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	31	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32283	-119.2427	Operator	N	N		IdleOG
-1	4.11E+08	McGonigle	31	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3219	-119.2561	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	313	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32515	-119.2971	GPS	N	N	12/3/1950	IdleOG
-1	4.11E+08	Taylor	315	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31887	-119.3026	GPS	N	N	6/29/1950	IdleWF
-1	4.11E+08	Lloyd Corp.	32	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32324	-119.2473	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	32	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32051	-119.2419	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	322	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32483	-119.2992	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	324	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32265	-119.2999	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	325	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31683	-119.3243	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	326	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32183	-119.2959	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	33	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32034	-119.2393	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	33	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32228	-119.2469	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	335	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31447	-119.3329	GPS	N	N	5/19/1951	IdleOG
-1	4.11E+08	Taylor	337	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32401	-119.3032	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	34	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32428	-119.2457	GPS	N	N	9/13/1949	IdleWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hartman E	34	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32102	-119.2692	GPS	N	N	5/9/1950	IdleOG
-1	4.11E+08	RBU Gosne	34	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31445	-119.2872	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	34	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32025	-119.2466	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	34	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31963	-119.2722	Well Summ	N	Y	5/27/1929	IdleOG
-1	4.11E+08	McGonigle	34	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32317	-119.2562	GPS	N	N	3/4/1953	IdleOG
-1	4.11E+08	Taylor	348	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32238	-119.3009	GPS	N	N		IdleOG
-1	4.11E+08	Gosnell	35	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31715	-119.2875	Operator	N	N	6/21/1936	IdleOG
-1	4.11E+08	V. L. & W.	35	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31863	-119.2461	GPS	N	N	5/27/1951	IdleWF
-1	4.11E+08	Lloyd Corp.	35	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32456	-119.2421	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	350	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31824	-119.3065	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	351	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31436	-119.333	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	353	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32086	-119.309	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	357	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32113	-119.3035	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	36	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31908	-119.247	hud	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	36	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32427	-119.2405	GPS	N	N		IdleOG
-1	4.11E+08	Hartman E	36	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32187	-119.2747	GPS	N	N	11/8/1949	IdleOG
-1	4.11E+08	RBU Gosne	36	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31474	-119.2861	Operator	N	N	11/21/1934	IdleWF
-1	4.11E+08	Taylor	360	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31817	-119.3325	Well Summ	N	Y	8/7/1952	IdleWF
-1	4.11E+08	Taylor	363	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32321	-119.3058	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	366	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31532	-119.3309	Operator	N	N		IdleWF
-1	4.11E+08	Taylor	368	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32266	-119.313	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	369	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32146	-119.3176	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	372	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32267	-119.3111	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	374	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32112	-119.3114	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	378	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32147	-119.3062	Well Summ	N	Y	9/9/1952	IdleOG
-1	4.11E+08	V. L. & W.	38	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.319	-119.2452	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	38	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32297	-119.2326	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	382	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31793	-119.3326	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	386	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32222	-119.3266	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	387	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3202	-119.3234	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	39	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32311	-119.2305	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	395	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3132	-119.3012	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	398	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32402	-119.315	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	399	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32274	-119.3306	GPS	N	N		IdleWF
-1	4.11E+08	RBU Orton	4	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31211	-119.2952	Operator	N	N		IdleOG
-1	4.11E+08	McGonigle	4	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32156	-119.2636	GPS	N	Y		IdleOG
-1	4.11E+08	Foster	4	Idle	OG	Oil & Gas	V1300	Victory Oil	Ventura	Any Area	Ventura	Northern	Ventura	33	03N	23W	SB	34.30424	-119.2992	hud	N	N		IdleOG
-1	4.11E+08	Lloyd Corp	4	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3222	-119.2525	GPS	N	N		IdleOG
-1	4.11E+08	Hartman	4	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32249	-119.2821	Operator	N	N		IdleWF
-1	4.11E+08	Barnard	4	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31928	-119.2899	Well Summ	N	N	6/15/1922	IdleOG
-1	4.11E+08	Hartman E	40	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3226	-119.2715	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	40	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32326	-119.2479	GPS	N	N	8/8/1951	IdleOG
-1	4.11E+08	V. L. & W.	40	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31737	-119.2489	GPS	N	N		IdleWS
-1	4.11E+08	Taylor	401	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32022	-119.3152	GPS	N	Y	5/31/1952	IdleWF
-1	4.11E+08	Taylor	402	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32267	-119.3153	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	403	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32203	-119.308	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	408	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32073	-119.3283	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	41	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32288	-119.2376	hud	N	N		IdleOG
-1	4.11E+08	V. L. & W.	41	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31973	-119.2412	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	411	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32281	-119.3178	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	42	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32333	-119.2304	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	425	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32269	-119.315	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	428	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32253	-119.3334	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	43	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31623	-119.2842	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	43	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32309	-119.2325	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	430	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32095	-119.3285	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	433	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32391	-119.3124	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	434	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32138	-119.2985	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	436	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31746	-119.3019	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp	44	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32334	-119.2536	GPS	N	N	11/20/1952	IdleWF
-1	4.11E+08	V.L. & W.	44	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32037	-119.2562	GPS	N	N		IdleOG
-1	4.11E+08	RBU Gosne	44	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31309	-119.2848	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	440	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32113	-119.3349	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	444	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32031	-119.3349	Well Summ	N	Y	7/29/1953	IdleWF
-1	4.11E+08	Taylor	448	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3206	-119.301	GPS	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	449	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31961	-119.3323	Operator	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	45	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32088	-119.2501	GPS	N	N		IdleWF
-1	4.11E+08	RBU Gosne	45	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31699	-119.2873	Well Summ	N	Y	12/1/1984	IdleOG
-1	4.11E+08	Taylor	451	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31953	-119.3038	GPS	N	N	8/16/1953	IdleWF
-1	4.11E+08	Taylor	454	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31902	-119.3276	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	456	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32087	-119.3349	GPS	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	46	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32097	-119.2482	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	46	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32379	-119.2495	GPS	N	N	8/18/1953	IdleWF
-1	4.11E+08	Lloyd	46	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31622	-119.2728	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	462	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31589	-119.3194	GPS	N	Y		IdleWF
-1	4.11E+08	Lloyd	47	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31913	-119.2753	GPS	N	Y	6/14/1929	IdleOG
-1	4.11E+08	V. L. & W.	47	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32098	-119.2462	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	47	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32436	-119.2405	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	470	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32256	-119.3331	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	472	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31987	-119.3277	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	473	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32274	-119.3269	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	48	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31877	-119.309	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	48	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31869	-119.2454	GPS	N	N		IdleOG
-1	4.11E+08	RBU Gosne	48	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31711	-119.2885	Operator	N	Y	7/25/1986	IdleOG
-1	4.11E+08	Lloyd Corp.	48	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32344	-119.2283	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	480	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32114	-119.32	Operator	N	Y	1/23/1955	IdleOG
-1	4.11E+08	Taylor	483	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32294	-119.3175	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	488	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32035	-119.3279	Operator	N	Y	7/17/1954	IdleWF
-1	4.11E+08	Lloyd Corp.	49	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32452	-119.2423	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	49	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32114	-119.2441	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	492	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32383	-119.3304	GPS	N	Y	3/11/1955	IdleWF
-1	4.11E+08	Taylor	494	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32176	-119.3316	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	496	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32336	-119.3228	GPS	N	N	4/24/1954	IdleOG
-1	4.11E+08	Taylor	497	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32322	-119.3242	GPS	N	N		IdleWF
-1	4.11E+08	RBU Orton	5	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31166	-119.2946	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	5	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32254	-119.2484	GPS	N	N		IdleOG
-1	4.11E+08	McGonigle	5	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.322	-119.2666	Operator	N	N		IdleOG
-1	4.11E+08	Hartman Ea	5	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32004	-119.2814	GPS	N	Y		IdleOG
-1	4.11E+08	Hartman	5	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32369	-119.2835	GPS	N	Y	10/20/1947	IdleOG
-1	4.11E+08	Hartman Ea	50	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32108	-119.2719	Operator	N	N		IdleOG
-1	4.11E+08	McGonigle	50	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32113	-119.2675	Operator	N	Y	7/5/1986	IdleWF
-1	4.11E+08	RBU Gosne	50	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31734	-119.2879	Well Summ	N	Y	6/4/1986	IdleOG
-1	4.11E+08	Taylor	504	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32397	-119.3201	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	507	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31979	-119.3298	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	509	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.30796	-119.3242	GPS	N	Y		IdleWF
-1	4.11E+08	V. L. & W.	51	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31944	-119.2498	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	51	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32248	-119.2236	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	510	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32207	-119.3205	GPS	N	Y	3/17/1958	IdleWF
-1	4.11E+08	Taylor	512	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31153	-119.329	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	515	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32586	-119.3162	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	516	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	17	03N	23W	SB	34.33055	-119.3095	GPS	N	N		IdleWF
-1	4.11E+08	V. L. & W.	52	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3214	-119.2421	GPS	N	N		IdleOG
-1	4.11E+08	Edison	52	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32312	-119.2915	GPS	N	N	4/13/1948	IdleOG
-1	4.11E+08	Lloyd Corp.	52	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32252	-119.2167	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	527	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31731	-119.3235	GPS	N	N		IdleWF
-1	4.11E+08	Hartman Ea	53	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3208	-119.2781	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	53	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32122	-119.2493	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp	53	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.3226	-119.2125	hud	N	N		IdleWF
-1	4.11E+08	Lloyd	53	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31741	-119.2811	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	530	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31548	-119.3273	Operator	N	Y		IdleOG
-1	4.11E+08	Taylor	535	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31153	-119.3294	Operator	N	Y		IdleOG
-1	4.11E+08	Taylor	536	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.30836	-119.3244	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	538	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31282	-119.3176	Well Summ	N	Y	4/10/1957	IdleWF
-1	4.11E+08	Taylor	539	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31454	-119.3331	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	54	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32132	-119.2422	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	54	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.3206	-119.2234	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	546	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31147	-119.3261	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp	55	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32249	-119.2106	hud	N	N		IdleOG
-1	4.11E+08	V.L. & W.	55	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32104	-119.251	GPS	N	N	10/17/1941	IdleWF
-1	4.11E+08	Taylor	556	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32037	-119.3243	Operator	N	N		IdleOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd Corp.	56	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32246	-119.2214	Well Summ	N	N	12/4/1952	IdleOG
-1	4.11E+08	Hartman E	56	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32195	-119.271	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	563	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31838	-119.3173	Well Summ	N	Y	1/9/1959	IdleWF
-1	4.11E+08	Lloyd Corp	57	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.31895	-119.2236	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	572	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32273	-119.3104	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	573	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32007	-119.3004	Operator	N	Y	4/15/1960	IdleOG
-1	4.11E+08	Taylor	574	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32213	-119.3094	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	575	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3116	-119.309	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	58	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.3204	-119.2211	Well Summ	N	N	9/25/1952	IdleOG
-1	4.11E+08	Taylor	582	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31145	-119.3049	Operator	N	Y		IdleOG
-1	4.11E+08	Taylor	585	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31086	-119.3103	GPS	N	Y	7/12/1961	IdleWF
-1	4.11E+08	V. L. & W.	59	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31921	-119.2498	GPS	N	N	12/1/1948	IdleWF
-1	4.11E+08	Taylor	591	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31321	-119.3092	Well Summ	N	Y	7/21/1961	IdleWF
-1	4.11E+08	Lloyd Corp	6	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32214	-119.2528	GPS	N	N		IdleOG
-1	4.11E+08	RBU L. Harl	6	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32094	-119.2845	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	60	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32061	-119.2251	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	60	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31746	-119.2794	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	605	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30992	-119.3082	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	61	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.318	-119.2766	GPS	N	N		IdleOG
-1	4.11E+08	Hartman E	61	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32201	-119.2759	Operator	N	Y		IdleWF
-1	4.11E+08	Edison	61	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32095	-119.2936	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	61	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32256	-119.2191	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	62	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32061	-119.2188	GPS	N	N		IdleOG
-1	4.11E+08	Hartman E	62	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32106	-119.271	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	62	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31575	-119.276	GPS	N	N	6/14/1937	IdleWF
-1	4.11E+08	V. L. & W.	62	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32148	-119.242	GPS	N	N		IdleWF
-1	4.11E+08	V. L. & W.	63	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32146	-119.2395	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	63	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32246	-119.2259	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	631	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3095	-119.312	Well Summ	N	N	3/20/1968	IdleWF
-1	4.11E+08	V. L. & W.	64	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32124	-119.2443	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	649	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31791	-119.2973	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	65	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31966	-119.2492	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	656	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31613	-119.314	Unknown	N	N		IdleOG
-1	4.11E+08	Taylor	657	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3195	-119.3276	GPS	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	66	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32112	-119.2495	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	66	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32036	-119.2267	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	663	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31667	-119.302	GPS	N	N		IdleWF
-1	4.11E+08	V.L. & W.	67	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32053	-119.2537	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	67	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31276	-119.281	GPS	N	N	12/5/1928	IdleWF
-1	4.11E+08	Taylor	672	Idle	OB	Observatio	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32096	-119.3117	Operator	N	N		IdleOB
-1	4.11E+08	Taylor	675	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31443	-119.302	Operator	N	Y	6/26/1986	IdleWF
-1	4.11E+08	Lloyd Corp	68	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.31879	-119.2258	GPS	N	N		IdleWF
-1	4.11E+08	Hartman E	68	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32282	-119.2718	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd	68	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31849	-119.2825	GPS	N	N		IdleOG
-1	4.11E+08	Hartman E	69	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32215	-119.2785	Operator	N	Y	6/11/1986	IdleWF
-1	4.11E+08	RBU Edisor	69	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31505	-119.2939	Operator	N	Y	7/16/1986	IdleOG
-1	4.11E+08	V.L. & W.	69	Idle	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32077	-119.2562	GPS	N	N		IdleMulti
-1	4.11E+08	Lloyd Corp.	69	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32263	-119.2169	GPS	N	N		IdleOG
-1	4.11E+08	RBU Taylor	691	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31595	-119.2971	Operator	N	Y	6/17/1987	IdleOG
-1	4.11E+08	RBU Willet	7	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3103	-119.2939	Operator	N	N		IdleWF
-1	4.11E+08	Lloyd Corp	70	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.31857	-119.2278	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	704	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31285	-119.3045	Operator	N	Y	2/10/1988	IdleWF
-1	4.11E+08	V. L. & W.	71	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32114	-119.248	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp	71	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.3187	-119.2212	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd	71	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31459	-119.2762	GPS	N	Y		IdleWF
-1	4.11E+08	Taylor	711	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31277	-119.3122	Operator	N	Y	4/26/1988	IdleOG
-1	4.11E+08	Taylor	713	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31283	-119.3209	Well Summ	N	N	8/9/1988	IdleWF
-1	4.11E+08	Taylor	714	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31512	-119.3103	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	72	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32283	-119.2394	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	722	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31787	-119.308	Operator	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	73	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32439	-119.2458	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	735	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31147	-119.3294	GPS	N	Y		IdleOG
-1	4.11E+08	Taylor	737	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30948	-119.3186	Operator	N	Y	2/26/1991	IdleWF
-1	4.11E+08	Taylor	738	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31408	-119.333	Operator	N	N		IdleWF
-1	4.11E+08	Taylor	739	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31614	-119.3324	Operator	N	Y		IdleOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	74	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31485	-119.3187	Operator	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	74	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32482	-119.2422	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd	74	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31851	-119.2742	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	741	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31721	-119.3233	Operator	N	Y	6/23/1997	IdleOG
-1	4.11E+08	V. L. & W.	75	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31993	-119.2365	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	75	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32464	-119.2167	Well Summ	N	N	3/5/1955	IdleOG
-1	4.11E+08	Lloyd Corp.	76	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32246	-119.2258	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	76	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31863	-119.2704	Operator	N	N		IdleOG
-1	4.11E+08	Taylor	764	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30927	-119.301	GPS	N	Y	3/19/2008	IdleOG
-1	4.11E+08	Taylor	766	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31309	-119.3017	GPS	N	Y	4/10/2008	IdleOG
-1	4.11E+08	V. L. & W.	77	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32169	-119.2397	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	78	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31998	-119.2362	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	785	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31291	-119.2973	Well Summ	N	Y	6/17/2009	IdleWF
-1	4.11E+08	Taylor	789	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30978	-119.3095	Operator	N	Y	7/26/2009	IdleOG
-1	4.11E+08	V. L. & W.	79	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31995	-119.2364	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	79	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31892	-119.2683	GPS	N	N	12/29/1957	IdleOG
-1	4.11E+08	Taylor	790	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31001	-119.308	Operator	N	Y	11/3/2009	IdleOG
-1	4.11E+08	Lloyd Corp.	8	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32217	-119.2512	GPS	N	N		IdleOG
-1	4.11E+08	Edison	8	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31784	-119.292	hud	N	N	4/8/1926	IdleOG
-1	4.11E+08	V. L. & W.	80	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32169	-119.2346	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp	801	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32201	-119.2517	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	802	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30975	-119.3161	GPS	N	N	10/16/1953	IdleOG
-1	4.11E+08	Lloyd Corp.	802	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32193	-119.2496	GPS	N	N	6/18/1956	IdleOG
-1	4.11E+08	Lloyd Corp.	803	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32027	-119.2267	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	804	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32369	-119.3326	GPS	N	Y	3/3/1954	IdleWF
-1	4.11E+08	Taylor	807	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32408	-119.3334	GPS	N	Y	5/8/1954	IdleWF
-1	4.11E+08	Taylor	81	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31441	-119.3118	Operator	N	N		IdleOG
-1	4.11E+08	V. L. & W.	81	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32127	-119.2421	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	810	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31086	-119.3208	Well Summ	N	Y	3/20/1955	IdleOG
-1	4.11E+08	Taylor	811	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31064	-119.3206	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	82	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32074	-119.2234	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	82	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31959	-119.2619	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	821	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3126	-119.3043	Operator	N	Y	8/9/2010	IdleOG
-1	4.11E+08	Lloyd Corp.	83	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32027	-119.2268	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	837	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31163	-119.3116	Well Summ	N	Y	2/14/2012	IdleOG
-1	4.11E+08	Lloyd Corp	84	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.31848	-119.2278	Well Summ	N	N	2/13/1958	IdleOG
-1	4.11E+08	Lloyd	84	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31536	-119.2747	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	843	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31023	-119.3194	Notice of Ir	N	N	5/17/2013	IdleOG
-1	4.11E+08	Lloyd	85	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31846	-119.265	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	85	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32049	-119.2251	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	86	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.3191	-119.2483	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	86	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31841	-119.2652	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	86	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31161	-119.31	GPS	N	N	5/27/1976	IdleWF
-1	4.11E+08	Lloyd	88	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31653	-119.2701	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	88	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32124	-119.2472	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	89	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3234	-119.2346	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	89	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3214	-119.2445	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	89	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31869	-119.2597	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	9	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32238	-119.2489	Operator	N	N		IdleOG
-1	4.11E+08	Lloyd	90	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31689	-119.2674	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	90	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32468	-119.234	GPS	N	N		IdleWF
-1	4.11E+08	V.L. & W.	90	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32191	-119.2299	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	91	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.3219	-119.2321	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	91	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32108	-119.2984	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	91	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32423	-119.2309	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd Corp.	92	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32335	-119.2282	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	92	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31758	-119.2649	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd Corp.	93	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32351	-119.2282	GPS	N	N		IdleWF
-1	4.11E+08	Lloyd Corp.	94	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32413	-119.2234	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	94	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32197	-119.23	GPS	N	N		IdleWF
-1	4.11E+08	Taylor	94	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32079	-119.3075	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	95	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32187	-119.2322	GPS	N	N		IdleOG
-1	4.11E+08	V. L. & W.	96	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32034	-119.239	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	96	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31713	-119.2633	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	96	Idle	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31605	-119.2971	GPS	N	N	3/28/1938	IdleWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd	97	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31765	-119.2606	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	97	Idle	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32148	-119.2286	GPS	N	N		IdleWF
-1	4.11E+08	V. L. & W.	98	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31921	-119.2484	GPS	N	N		IdleOG
-1	4.11E+08	Lloyd	98	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31938	-119.2618	GPS	N	N		IdleOG
-1	4.11E+08	Taylor	98	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31786	-119.2961	GPS	N	Y		IdleOG
-1	4.11E+08	Lloyd	99	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31705	-119.2753	GPS	N	Y		IdleOG
-1	4.11E+08	V. L. & W.	99	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32181	-119.2345	GPS	N	N		IdleOG
-1	4.11E+08	V.L. & W.	9A	Idle	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31981	-119.2532	hud	N	N		IdleOG
-1	4.11E+08	V. L. & W.	W.S. 1	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3145	-119.2519	Operator	N	N		IdleWS
-1	4.11E+08	V. L. & W.	W.S. 2	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32116	-119.2477	GPS	N	N		IdleWS
-1	4.11E+08	V. L. & W.	W.S. 3	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32133	-119.2443	Operator	N	N		IdleWS
-1	4.11E+08	V. L. & W.	W.S. 4	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31857	-119.2456	hud	N	N		IdleWS
-1	4.11E+08	Lloyd	W.S. 6	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31591	-119.2729	GPS	N	N		IdleWS
-1	4.11E+08	Lloyd	W.S. 7	Idle	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31547	-119.269	Operator	N	N		IdleWS
-1	4.11E+08	Barnard	1	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32197	-119.2834	GPS	N	N	3/24/1940	ActiveOG
-1	4.11E+08	Notten	1	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3164	-119.2897	GPS	N	N	4/17/1950	ActiveWF
-1	4.11E+08	Hartmann	10	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32185	-119.2893	Operator	N	N		ActiveWF
-1	4.11E+08	Hartman	10	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32472	-119.2848	hud	N	N	1/28/1950	ActiveWF
-1	4.11E+08	Lloyd	100	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31999	-119.266	Well Summ	N	Y	10/8/1927	ActiveOG
-1	4.11E+08	Lloyd Corp.	100	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3219	-119.2499	Notice of Ir	N	N	9/11/2014	ActiveWF
-1	4.11E+08	Taylor	103	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31956	-119.2963	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	105	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32048	-119.2602	GPS	N	N		ActiveWF
-1	4.11E+08	Lloyd	106	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31763	-119.2791	GPS	N	N	4/30/1941	ActiveWF
-1	4.11E+08	V. L. & W.	107	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31913	-119.2528	Well Summ	N	N	3/26/1955	ActiveOG
-1	4.11E+08	V. L. & W.	108	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31977	-119.236	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	108	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32003	-119.3008	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	11	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31686	-119.3038	GPS	N	N		ActiveWF
-1	4.11E+08	RBU Barnai	11	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3202	-119.2898	Operator	N	N		ActiveOG
-1	4.11E+08	V.L. & W.	110	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32115	-119.251	GPS	N	N	10/4/1955	ActiveWF
-1	4.11E+08	V. L. & W.	111	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31886	-119.245	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	112	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31897	-119.274	GPS	N	N	7/13/1944	ActiveWF
-1	4.11E+08	Lloyd	113	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31757	-119.272	Well Summ	N	N	8/22/1946	ActiveOG
-1	4.11E+08	V. L. & W.	114	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32022	-119.2392	Well Summ	N	N	3/2/1956	ActiveOG
-1	4.11E+08	Lloyd	114	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31857	-119.2642	Well Summ	N	N	9/29/1941	ActiveWF
-1	4.11E+08	Lloyd	115	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31867	-119.262	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	116	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31796	-119.2605	GPS	N	Y	5/26/1940	ActiveWF
-1	4.11E+08	Taylor	117	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32185	-119.2958	GPS	N	N		ActiveOG
-1	4.11E+08	V.L. & W.	118	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32025	-119.2324	GPS	N	Y	6/14/1954	ActiveWF
-1	4.11E+08	Hartmann	12	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32156	-119.2839	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	120	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31911	-119.2737	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	121	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32009	-119.2587	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	122	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32001	-119.2609	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	124	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31973	-119.2651	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	126	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31919	-119.267	GPS	N	N		ActiveOG
-1	4.11E+08	V.L. & W.	127	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32064	-119.2306	Well Summ	N	N	1/9/1958	ActiveOG
-1	4.11E+08	Lloyd	127	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31917	-119.2714	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	128	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31919	-119.2695	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Taylor	13	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3159	-119.2956	GPS	N	N		ActiveWF
-1	4.11E+08	Hartmann	13	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32132	-119.2894	Well Summ	N	N	9/7/1941	ActiveWF
-1	4.11E+08	V. L. & W.	130	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31997	-119.2361	GPS	N	N	8/9/1956	ActiveWF
-1	4.11E+08	V. L. & W.	134	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31896	-119.245	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	134	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31908	-119.3026	GPS	N	N	2/19/1941	ActiveOG
-1	4.11E+08	Lloyd	136	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31666	-119.2605	GPS	N	N	6/1/1935	ActiveWF
-1	4.11E+08	Lloyd	138	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31962	-119.2631	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Notter	14	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31617	-119.2881	Operator	N	N	2/25/1981	ActiveWF
-1	4.11E+08	RBU Edisor	14	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31494	-119.2945	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd Corp	14	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32236	-119.254	GPS	N	N	7/25/1944	ActiveWF
-1	4.11E+08	Taylor	141	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31131	-119.3052	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	142	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31828	-119.2625	GPS	N	N	11/6/1950	ActiveWF
-1	4.11E+08	Taylor	142	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31436	-119.3206	GPS	N	N	7/9/1941	ActiveWF
-1	4.11E+08	V. L. & W.	143	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31881	-119.2496	GPS	N	N	3/3/1959	ActiveWF
-1	4.11E+08	Lloyd	143	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31991	-119.2636	Well Summ	N	Y	3/12/1945	ActiveOG
-1	4.11E+08	Lloyd	144	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31986	-119.259	GPS	N	N	5/18/1948	ActiveWF
-1	4.11E+08	Lloyd	145	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31705	-119.2808	Well Summ	N	N	11/7/1945	ActiveOG
-1	4.11E+08	Lloyd	148	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31891	-119.2783	Well Summ	N	N	5/13/1945	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	RBU Taylor	149	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31988	-119.2959	GPS	N	N	2/6/1944	ActiveWF
-1	4.11E+08	Orton	15	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31265	-119.2946	Operator	N	Y		ActiveWF
-1	4.11E+08	Lloyd	150	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3191	-119.2752	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	150	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32146	-119.3022	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	151	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31129	-119.2999	Well Summ	N	N	11/2/1943	ActiveWF
-1	4.11E+08	Lloyd	152	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31776	-119.2765	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	152	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31291	-119.3177	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	153	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32138	-119.3123	GPS	N	N		ActiveOG
-1	4.11E+08	V. L. & W.	156	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31817	-119.2544	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	157	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32051	-119.3254	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	157	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31919	-119.2672	GPS	N	N	7/23/1950	ActiveOG
-1	4.11E+08	Lloyd	158	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31978	-119.2636	GPS	N	N		ActiveOG
-1	4.11E+08	Hartman	16	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32244	-119.282	Operator	N	Y	2/2/2009	ActiveOG
-1	4.11E+08	Hartman E	16	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3205	-119.2757	GPS	N	Y		ActiveOG
-1	4.11E+08	Hartmann	16	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32329	-119.289	GPS	N	N	3/20/1949	ActiveWF
-1	4.11E+08	Lloyd	160	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31787	-119.2856	GPS	N	N	3/19/1950	ActiveWF
-1	4.11E+08	Taylor	161	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31858	-119.3015	GPS	N	N	4/5/1943	ActiveWF
-1	4.11E+08	Taylor	162	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32051	-119.3016	GPS	N	N	6/8/1943	ActiveWF
-1	4.11E+08	Lloyd	162	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31771	-119.2695	Well Summ	N	N	4/29/1951	ActiveOG
-1	4.11E+08	V. L. & W.	163	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32166	-119.2343	GPS	N	N		ActiveWF
-1	4.11E+08	Lloyd	163	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31759	-119.2792	GPS	N	N	1/26/1951	ActiveWF
-1	4.11E+08	Taylor	164	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32162	-119.2975	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	165	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31824	-119.2583	GPS	N	Y		ActiveOG
-1	4.11E+08	Lloyd	166	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31811	-119.2644	GPS	N	N	7/19/1951	ActiveWF
-1	4.11E+08	Taylor	166	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31285	-119.3225	GPS	N	N		ActiveOG
-1	4.11E+08	V. L. & W.	167	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3184	-119.2578	GPS	N	N	7/6/2008	ActiveOG
-1	4.11E+08	Lloyd	167	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32042	-119.2617	Well Summ	N	N	5/30/1954	ActiveOG
-1	4.11E+08	Lloyd	168	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31756	-119.2715	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	169	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31779	-119.2791	GPS	N	N	6/6/1952	ActiveWF
-1	4.11E+08	V. L. & W.	169	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32034	-119.2489	Operator	N	Y	12/7/2008	ActiveOG
-1	4.11E+08	Hartman E	17	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32059	-119.2744	GPS	N	N		ActiveWF
-1	4.11E+08	Hartmann	17	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32375	-119.2895	Operator	N	N	10/11/1949	ActiveWF
-1	4.11E+08	McGonigle	17	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32187	-119.2603	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Edisor	17	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31258	-119.2933	Operator	N	N		ActiveOG
-1	4.11E+08	Barnard	17	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31878	-119.2893	Well Summ	N	N	9/19/1936	ActiveWF
-1	4.11E+08	Hartman	17	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32744	-119.2847	Well Summ	N	Y	11/15/2010	ActiveOG
-1	4.11E+08	Lloyd	170	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31902	-119.2842	GPS	N	N	7/20/1952	ActiveOG
-1	4.11E+08	V.L. & W.	170	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32077	-119.2532	Well Summ	N	Y	8/14/2009	ActiveWF
-1	4.11E+08	Lloyd	171	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31486	-119.2764	Operator	N	N	8/5/1952	ActiveWF
-1	4.11E+08	V.L. & W.	171	Active	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32047	-119.2562	Well Summ	N	N	9/13/2012	ActiveINJ
-1	4.11E+08	Lloyd	172	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31862	-119.2807	GPS	N	N	1/28/1954	ActiveOG
-1	4.11E+08	V.L. & W.	172	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32068	-119.2531	Well Summ	N	Y	9/18/2010	ActiveWF
-1	4.11E+08	V.L. & W.	173	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32047	-119.2543	Notice of Ir	N	N	10/16/2012	ActiveWF
-1	4.11E+08	V. L. & W.	174	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32108	-119.2476	Notice of Ir	N	N		ActiveOG
-1	4.11E+08	Lloyd	174	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31799	-119.2856	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	175	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31712	-119.2858	GPS	N	N	9/22/1953	ActiveWF
-1	4.11E+08	Lloyd	176	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31814	-119.2827	GPS	N	N	11/1/1953	ActiveWF
-1	4.11E+08	V. L. & W.	176	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32105	-119.2477	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	Lloyd	177	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31879	-119.2853	Well Summ	N	N	7/5/1953	ActiveWF
-1	4.11E+08	Taylor	178	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31012	-119.3082	Operator	N	Y	3/24/1944	ActiveWF
-1	4.11E+08	Lloyd	179	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31826	-119.2751	GPS	N	N	10/26/1954	ActiveWF
-1	4.11E+08	Hartman	18	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32358	-119.2811	Operator	N	N	11/7/2010	ActiveWF
-1	4.11E+08	Taylor	180	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3228	-119.3015	Operator	N	N		ActiveOG
-1	4.11E+08	V.L. & W.	181	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32081	-119.2533	Well Summ	N	Y	11/14/2010	ActiveOG
-1	4.11E+08	Taylor	181	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31816	-119.3036	GPS	N	N	8/17/1944	ActiveWF
-1	4.11E+08	Lloyd	182	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31921	-119.2698	GPS	N	N	2/20/1957	ActiveWF
-1	4.11E+08	V.L. & W.	182	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32031	-119.2531	Notice of Ir	N	N	10/2/2013	ActiveOG
-1	4.11E+08	Taylor	183	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31967	-119.3037	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	186	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31006	-119.3063	Operator	N	N		ActiveWF
-1	4.11E+08	McGonigle	19	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32178	-119.2604	GPS	N	N	6/12/1943	ActiveWF
-1	4.11E+08	Hartmann	19	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32352	-119.2864	Operator	N	N		ActiveWF
-1	4.11E+08	Hartman	19	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32413	-119.2801	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	RBU Edisor	19	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32023	-119.2912	Operator	N	N		ActiveOG
-1	4.11E+08	Barnard	19	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32033	-119.2878	Operator	N	N	6/15/1940	ActiveOG
-1	4.11E+08	Lloyd	190	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31982	-119.2589	Well Summ	N	N	9/22/1959	ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	191	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31828	-119.33	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	192	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32223	-119.3062	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	193	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31503	-119.2671	GPS	N	Y		ActiveWF
-1	4.11E+08	Lloyd	194	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31707	-119.2712	GPS	N	Y		ActiveOG
-1	4.11E+08	Lloyd	196	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31538	-119.2811	GPS	N	Y	12/19/1969	ActiveWF
-1	4.11E+08	Taylor	199	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31817	-119.2961	GPS	N	N	12/17/1944	ActiveWF
-1	4.11E+08	RBU Citrus	1A	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32021	-119.2904	Operator	N	N	1/3/1927	ActiveOG
-1	4.11E+08	Lloyd Corp.	1WMW	Active	OB	Observatio	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32192	-119.2499	Notice of Ir	N	N	9/8/2014	ActiveOB
-1	4.11E+08	RBU Citrus	2	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32082	-119.2904	Operator	N	N		ActiveOG
-1	4.11E+08	Hartmann-	2	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32086	-119.2841	Operator	N	N		ActiveOG
-1	4.11E+08	RBU L. Harl	2	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32103	-119.2856	GPS	N	N	8/1/1926	ActiveWF
-1	4.11E+08	Hartman	20	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32338	-119.2808	Notice of Ir	N	Y	5/17/2014	ActiveOG
-1	4.11E+08	Hartman E	20	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32129	-119.2804	GPS	N	N	7/27/1927	ActiveWF
-1	4.11E+08	McGonigle	20	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32175	-119.2578	GPS	N	N		ActiveOG
-1	4.11E+08	Barnard	20	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3201	-119.2896	Operator	N	N	6/12/1941	ActiveWF
-1	4.11E+08	Hartmann	20	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32209	-119.2896	GPS	N	N	1/1/1952	ActiveWF
-1	4.11E+08	Taylor	204	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32066	-119.2975	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	205	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31826	-119.3099	GPS	N	N	10/1/1945	ActiveWF
-1	4.11E+08	Taylor	208	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31627	-119.3074	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	208	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31542	-119.2811	Operator	N	Y	1/7/1970	ActiveWF
-1	4.11E+08	Lloyd	209	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31987	-119.2588	Operator	N	Y	4/25/1970	ActiveWF
-1	4.11E+08	McGonigle	21	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32166	-119.2617	Well Summ	N	Y	2/1/1945	ActiveWF
-1	4.11E+08	Taylor	211	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31675	-119.3095	Operator	N	N		ActiveWF
-1	4.11E+08	Lloyd	212	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3149	-119.268	Operator	N	N	11/8/1971	ActiveWF
-1	4.11E+08	Lloyd	215	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31583	-119.276	Operator	N	Y	10/4/1985	ActiveWF
-1	4.11E+08	Taylor	216	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31786	-119.3058	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	218	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31984	-119.2586	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	218	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31953	-119.306	GPS	N	N	10/18/1945	ActiveWF
-1	4.11E+08	Taylor	219	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31796	-119.2997	Well Summ	N	N	7/22/1946	ActiveOG
-1	4.11E+08	Lloyd	219	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31805	-119.2826	Operator	N	Y		ActiveOG
-1	4.11E+08	Hartmann	22	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32252	-119.2886	Operator	N	Y		ActiveOG
-1	4.11E+08	Lloyd	220	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31863	-119.2805	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	222	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3223	-119.3081	GPS	N	N	7/1/1951	ActiveWF
-1	4.11E+08	Lloyd	226	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3205	-119.2615	Well Summ	N	Y	3/1/1973	ActiveOG
-1	4.11E+08	Taylor	226	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3194	-119.3219	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	227	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3198	-119.2664	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	229	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30928	-119.3014	Operator	N	N		ActiveOG
-1	4.11E+08	Hartman E	23	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3221	-119.2746	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	230	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32056	-119.3021	GPS	N	N	2/12/1946	ActiveWF
-1	4.11E+08	Taylor	231	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32149	-119.305	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	231	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32043	-119.2615	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	233	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31167	-119.3035	Well Summ	N	N	3/2/1946	ActiveWF
-1	4.11E+08	Lloyd	233	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31741	-119.273	Operator	N	Y	1/2/1980	ActiveWF
-1	4.11E+08	Lloyd	235	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31808	-119.2827	Operator	N	Y	2/19/1981	ActiveOG
-1	4.11E+08	Taylor	235	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3184	-119.3118	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	236	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31637	-119.2833	Well Summ	N	Y	12/26/1981	ActiveWF
-1	4.11E+08	Lloyd	237	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31634	-119.2833	Operator	N	Y	8/6/1981	ActiveWF
-1	4.11E+08	Lloyd	238	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31479	-119.2812	Operator	N	Y	7/28/1981	ActiveWF
-1	4.11E+08	Taylor	239	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30957	-119.312	Operator	N	N	1/3/1947	ActiveWF
-1	4.11E+08	Lloyd Corp.	24	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32317	-119.2537	GPS	N	N		ActiveWF
-1	4.11E+08	Lloyd	240	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31779	-119.2641	Operator	N	Y	6/2/1981	ActiveWF
-1	4.11E+08	Taylor	240	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31065	-119.3139	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	244	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31645	-119.2686	Operator	N	Y	1/18/1982	ActiveWF
-1	4.11E+08	Taylor	245	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31688	-119.3117	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	245	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31679	-119.2761	Well Summ	N	Y	7/18/1984	ActiveWF
-1	4.11E+08	Lloyd	246	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31859	-119.2854	Operator	N	Y	9/10/1986	ActiveWF
-1	4.11E+08	Lloyd	247	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31633	-119.2832	Operator	N	Y	8/25/1990	ActiveOG
-1	4.11E+08	Lloyd	249	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31651	-119.2772	Operator	N	Y		ActiveOG
-1	4.11E+08	Hartman	25	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32377	-119.2858	GPS	N	N		ActiveWF
-1	4.11E+08	McGonigle	25	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32216	-119.259	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	251	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31295	-119.3207	GPS	N	N	3/31/1947	ActiveWF
-1	4.11E+08	Lloyd	251	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31709	-119.2715	Operator	N	Y		ActiveOG
-1	4.11E+08	Lloyd	252	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31914	-119.2697	Operator	N	Y	12/11/2006	ActiveOG
-1	4.11E+08	Lloyd	253	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31913	-119.2719	GPS	N	N	2/22/2007	ActiveOG
-1	4.11E+08	Lloyd	254	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31914	-119.272	GPS	N	Y	11/29/2009	ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	254	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31551	-119.3137	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	255	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31892	-119.2853	Well Summ	N	Y	3/11/2007	ActiveWF
-1	4.11E+08	Taylor	256	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31713	-119.3138	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	256	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31912	-119.2721	Well Summ	N	Y	6/7/2011	ActiveWF
-1	4.11E+08	Lloyd	257	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31979	-119.2638	Well Summ	N	Y	11/10/2008	ActiveWF
-1	4.11E+08	Lloyd	258	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31632	-119.2642	Operator	N	Y	4/4/2009	ActiveOG
-1	4.11E+08	Lloyd Corp	26	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32365	-119.2515	Operator	N	N	7/2/2014	ActiveOG
-1	4.11E+08	Hartmann	26	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32374	-119.286	GPS	N	Y	5/29/2007	ActiveWF
-1	4.11E+08	Barnard	26	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31866	-119.2869	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Edisor	26	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31891	-119.2934	hud	N	N		ActiveOG
-1	4.11E+08	V. L. & W.	26	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31883	-119.2556	Well Summ	N	Y	8/22/1932	ActiveWF
-1	4.11E+08	Lloyd	260	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32003	-119.2727	Well Summ	N	Y	11/16/2009	ActiveOG
-1	4.11E+08	Taylor	260	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31557	-119.3156	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	261	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31983	-119.2752	Operator	N	Y	11/29/2009	ActiveOG
-1	4.11E+08	Taylor	261	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3172	-119.3158	GPS	N	N		ActiveOG
-1	4.11E+08	Lloyd	262	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31902	-119.2653	Operator	N	Y	6/12/2010	ActiveWF
-1	4.11E+08	Lloyd	263	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31933	-119.2657	Operator	N	Y	11/1/2009	ActiveWF
-1	4.11E+08	Lloyd	264	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31832	-119.2827	Operator	N	Y	12/23/2009	ActiveOG
-1	4.11E+08	Lloyd	265	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31982	-119.2751	Operator	N	Y	12/11/2009	ActiveOG
-1	4.11E+08	Lloyd	267	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31629	-119.2642	Operator	N	Y	5/2/2009	ActiveOG
-1	4.11E+08	Lloyd	268	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31794	-119.2835	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	Taylor	269	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32006	-119.3006	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	269	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31906	-119.2725	Notice of Ir	N	N		ActiveOG
-1	4.11E+08	Hartman Ea	27	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3213	-119.2764	GPS	N	N	10/31/1936	ActiveWF
-1	4.11E+08	Barnard	27	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31855	-119.2893	Operator	N	N	5/1/1943	ActiveWF
-1	4.11E+08	Hartmann	27	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32304	-119.2882	GPS	N	Y	7/1/2008	ActiveWF
-1	4.11E+08	Lloyd	270	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31791	-119.269	GPS	N	Y	2/15/1983	ActiveWF
-1	4.11E+08	Taylor	270	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32153	-119.2985	GPS	N	N	11/16/1949	ActiveWF
-1	4.11E+08	Lloyd	271	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31735	-119.2732	Operator	N	Y	3/17/1983	ActiveWF
-1	4.11E+08	Lloyd	272	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31737	-119.2731	Operator	N	Y	4/3/1983	ActiveWF
-1	4.11E+08	Lloyd	273	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31536	-119.2801	Operator	N	Y	1/4/2010	ActiveOG
-1	4.11E+08	Lloyd	275	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31932	-119.2657	Operator	N	Y	1/22/2010	ActiveOG
-1	4.11E+08	Lloyd	276	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31896	-119.2622	Notice of Ir	N	N	10/29/2013	ActiveOG
-1	4.11E+08	Taylor	276	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32034	-119.3057	Well Summ	N	N	8/21/1948	ActiveOG
-1	4.11E+08	Lloyd	278	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3191	-119.2716	Notice of Ir	N	N	5/2/2014	ActiveWF
-1	4.11E+08	McGonigle	28	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3213	-119.2664	Well Summ	N	N	6/9/1950	ActiveWF
-1	4.11E+08	Hartmann	28	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32238	-119.2873	Operator	N	Y	12/21/2008	ActiveOG
-1	4.11E+08	Hartman Ea	28	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32213	-119.2797	GPS	N	N	7/1/1941	ActiveWF
-1	4.11E+08	Lloyd	28	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31911	-119.279	Well Summ	N	N	9/18/1936	ActiveOG
-1	4.11E+08	Barnard	28	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.318	-119.287	Operator	N	N	1/1/1946	ActiveOG
-1	4.11E+08	Lloyd	281	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31817	-119.2678	Well Summ	N	Y	5/27/2011	ActiveWF
-1	4.11E+08	Lloyd	282	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31768	-119.2857	Well Summ	N	Y	7/23/2011	ActiveWF
-1	4.11E+08	Lloyd	283	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32003	-119.2691	Notice of Ir	N	N	3/28/2014	ActiveWF
-1	4.11E+08	Lloyd	284	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31758	-119.2857	Well Summ	N	Y	7/31/2011	ActiveWF
-1	4.11E+08	Lloyd	286	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3182	-119.2587	Well Summ	N	Y	9/11/2015	ActiveOG
-1	4.11E+08	Taylor	286	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31338	-119.3129	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Taylor	29	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31095	-119.2972	Operator	N	N		ActiveOG
-1	4.11E+08	RBU Gosne	29	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3138	-119.2885	GPS	N	N	7/15/1928	ActiveWF
-1	4.11E+08	Hartman Ea	29	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32279	-119.2693	GPS	N	N		ActiveWF
-1	4.11E+08	Edison	29	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31886	-119.2916	GPS	N	N	12/14/1935	ActiveOG
-1	4.11E+08	Hartman	29	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32334	-119.2882	Notice of Ir	N	Y	4/23/2012	ActiveWF
-1	4.11E+08	Taylor	290	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3113	-119.3074	Operator	N	N	7/6/1949	ActiveWF
-1	4.11E+08	Taylor	292	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31657	-119.3173	Well Summ	N	N	11/21/1949	ActiveOG
-1	4.11E+08	Taylor	294	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31751	-119.3189	GPS	N	N	2/8/1949	ActiveWF
-1	4.11E+08	Taylor	295	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31607	-119.3193	GPS	N	N	8/11/1949	ActiveWF
-1	4.11E+08	Taylor	299	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3204	-119.3069	GPS	N	N		ActiveWF
-1	4.11E+08	Barnard 29W		Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32005	-119.2893	Operator	N	N	1/22/1946	ActiveWF
-1	4.11E+08	RBU L. Harl	3	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32112	-119.2869	Operator	N	N		ActiveOG
-1	4.11E+08	Hartmann-	3	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32087	-119.2842	Operator	N	N	3/4/1954	ActiveOG
-1	4.11E+08	Hartman	3	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32277	-119.2829	Operator	N	N	2/13/1941	ActiveWF
-1	4.11E+08	Hartman	30	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32132	-119.2879	Well Summ	N	Y	4/1/2012	ActiveWF
-1	4.11E+08	Hartman Ea	30	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32056	-119.2823	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	300	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32101	-119.3054	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	302	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32293	-119.2984	GPS	N	N	10/23/1949	ActiveWF
-1	4.11E+08	Taylor	309	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31486	-119.3186	GPS	N	N		ActiveOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hartman	31	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32218	-119.2871	Notice of Ir	N	N	3/31/2013	ActiveOG
-1	4.11E+08	Barnard	31	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31826	-119.2894	GPS	N	N	8/16/1952	ActiveWF
-1	4.11E+08	Edison	31	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32049	-119.2915	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	310	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32325	-119.2961	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	316	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31689	-119.3064	GPS	N	N	9/14/1950	ActiveWF
-1	4.11E+08	Taylor	317	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32243	-119.2964	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	319	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32047	-119.3058	GPS	N	N		ActiveOG
-1	4.11E+08	Hartman E	32	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32233	-119.2694	GPS	N	N		ActiveWF
-1	4.11E+08	Edison	32	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32057	-119.2932	GPS	N	N	10/16/1932	ActiveWF
-1	4.11E+08	Hartmann	32	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32357	-119.2858	Notice of Ir	N	N	1/6/2014	ActiveOG
-1	4.11E+08	RBU Barnai	32	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31886	-119.2864	Operator	N	N	1/15/1953	ActiveOG
-1	4.11E+08	McGonigle	32	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32247	-119.267	Well Summ	N	N	8/9/1951	ActiveWF
-1	4.11E+08	RBU Taylor	32	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31164	-119.298	GPS	N	N	10/11/1928	ActiveWF
-1	4.11E+08	Taylor	320	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32203	-119.3011	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	327	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31792	-119.2976	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	329	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32213	-119.301	Operator	N	N		ActiveOG
-1	4.11E+08	RBU Edisor	33	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31811	-119.2934	Well Summ	N	N	1/3/1939	ActiveOG
-1	4.11E+08	McGonigle	33	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32257	-119.2642	GPS	N	N	5/11/1952	ActiveOG
-1	4.11E+08	Lloyd	33	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31489	-119.2827	GPS	N	N	3/5/1926	ActiveWF
-1	4.11E+08	Barnard	33	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31982	-119.2899	GPS	N	N	3/8/1953	ActiveWF
-1	4.11E+08	Taylor	330	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32138	-119.3092	GPS	N	N	2/15/1951	ActiveWF
-1	4.11E+08	Taylor	331	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31625	-119.2999	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	333	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32244	-119.2997	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	336	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32374	-119.3031	GPS	N	N	6/11/1951	ActiveWF
-1	4.11E+08	Taylor	339	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32298	-119.3056	GPS	N	N		ActiveOG
-1	4.11E+08	Hartmann	34	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32232	-119.2883	Notice of Ir	N	Y	2/5/2014	ActiveOG
-1	4.11E+08	Taylor	34	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31691	-119.3157	Well Summ	N	Y	2/25/1929	ActiveOG
-1	4.11E+08	Barnard	34	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31993	-119.2849	Operator	N	N	5/27/1953	ActiveOG
-1	4.11E+08	Taylor	343	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32295	-119.305	GPS	N	N	12/16/1951	ActiveWF
-1	4.11E+08	Taylor	344	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31852	-119.309	Operator	N	N		ActiveWF
-1	4.11E+08	Taylor	345	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31923	-119.3131	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	346	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31913	-119.3131	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	347	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31896	-119.313	Well Summ	N	N	12/2/1951	ActiveOG
-1	4.11E+08	Hartman E	35	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32216	-119.2767	GPS	N	N	4/1/1949	ActiveWF
-1	4.11E+08	Lloyd	35	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31946	-119.2705	Well Summ	N	N	10/21/1927	ActiveWF
-1	4.11E+08	Barnard	35	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31988	-119.2872	GPS	N	N	11/14/1953	ActiveOG
-1	4.11E+08	McGonigle	35	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32272	-119.2614	GPS	N	N	10/9/1953	ActiveOG
-1	4.11E+08	Taylor	352	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32114	-119.3091	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	354	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32088	-119.3089	GPS	N	N	10/31/1951	ActiveWF
-1	4.11E+08	Taylor	356	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31694	-119.3096	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	358	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31726	-119.3138	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	359	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31687	-119.3128	Well Summ	N	N	8/9/1960	ActiveWF
-1	4.11E+08	RBU Barnai	36	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31802	-119.2877	Operator	N	Y	3/25/1981	ActiveWF
-1	4.11E+08	Edison	36	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32213	-119.2911	GPS	N	N		ActiveOG
-1	4.11E+08	McGonigle	36	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32314	-119.2589	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	361	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32223	-119.3078	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	365	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31734	-119.3136	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	367	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31918	-119.3129	GPS	N	N	2/15/1952	ActiveWF
-1	4.11E+08	McGonigle	37	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32175	-119.2619	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Barnai	37	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31801	-119.2876	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	37	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31397	-119.2988	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	370	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32279	-119.3108	GPS	N	N	1/31/1952	ActiveWF
-1	4.11E+08	Taylor	371	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31562	-119.3172	GPS	N	N	2/18/1952	ActiveWF
-1	4.11E+08	Taylor	375	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32257	-119.3082	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	379	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32293	-119.313	GPS	N	N	4/18/1952	ActiveWF
-1	4.11E+08	RBU Barnai	38	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3187	-119.2884	Well Summ	N	Y	4/5/2010	ActiveOG
-1	4.11E+08	Edison	38	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31959	-119.2911	GPS	N	N		ActiveOG
-1	4.11E+08	McGonigle	38	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3215	-119.264	GPS	N	N		ActiveOG
-1	4.11E+08	Hartman E	38	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32212	-119.2735	GPS	N	N	1/27/1955	ActiveWF
-1	4.11E+08	Taylor	383	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3211	-119.3172	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	384	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32247	-119.3266	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	388	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32034	-119.3234	GPS	N	N	9/17/1952	ActiveWF
-1	4.11E+08	RBU Gosne	39	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31699	-119.2896	Operator	N	N		ActiveOG
-1	4.11E+08	Hartman E	39	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32093	-119.2742	Well Summ	N	N	9/15/1944	ActiveWF
-1	4.11E+08	RBU Barnai	39	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31877	-119.2885	Well Summ	N	Y	4/18/2010	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	McGonigle	39	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3224	-119.2669	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	390	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32346	-119.3207	GPS	N	Y	8/23/1953	ActiveWF
-1	4.11E+08	Taylor	392	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3232	-119.313	GPS	N	N	5/12/1952	ActiveWF
-1	4.11E+08	Taylor	393	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32322	-119.313	Well Summ	N	N	12/2/1953	ActiveWF
-1	4.11E+08	Taylor	394	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32079	-119.3115	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	397	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3241	-119.3148	GPS	N	N		ActiveWF
-1	4.11E+08	Shell-Lloyd	3A	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32235	-119.2448	GPS	N	N	11/28/1949	ActiveWF
-1	4.11E+08	Hartman E	4	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32033	-119.2832	GPS	N	Y		ActiveOG
-1	4.11E+08	Citrus	4	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32049	-119.2906	GPS	N	N	7/23/1941	ActiveOG
-1	4.11E+08	Hartmann-	4	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32226	-119.2869	GPS	N	N	4/24/2014	ActiveWF
-1	4.11E+08	Gosnell	40	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31684	-119.2873	Operator	N	N	4/11/1946	ActiveOG
-1	4.11E+08	RBU Barna	40	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3195	-119.2876	Well Summ	N	Y	11/6/2010	ActiveWF
-1	4.11E+08	RBU Edisor	40	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31821	-119.2919	GPS	N	N	6/20/1943	ActiveWF
-1	4.11E+08	Taylor	400	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32299	-119.3308	GPS	N	Y	12/28/1952	ActiveWF
-1	4.11E+08	Taylor	405	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32023	-119.317	Operator	N	Y	8/12/1952	ActiveOG
-1	4.11E+08	Taylor	407	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31914	-119.3219	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	409	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31713	-119.3118	GPS	N	N		ActiveOG
-1	4.11E+08	Barnard	41	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31882	-119.2868	Notice of Ir	N	N		ActiveOG
-1	4.11E+08	Hartman E	41	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32047	-119.2799	GPS	N	N	3/18/1949	ActiveWF
-1	4.11E+08	Edison	41	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31996	-119.2929	GPS	N	N		ActiveOG
-1	4.11E+08	Gosnell	41	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31693	-119.2891	Operator	N	N	2/5/1953	ActiveWF
-1	4.11E+08	Taylor	410	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31763	-119.3325	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	413	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31799	-119.3194	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	415	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32128	-119.3174	GPS	N	N	4/23/1951	ActiveWF
-1	4.11E+08	Taylor	416	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32168	-119.3175	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	417	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31854	-119.296	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	418	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32131	-119.2966	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	419	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32296	-119.3241	Operator	N	Y	2/24/1953	ActiveWF
-1	4.11E+08	Hartman E	42	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32217	-119.2726	GPS	N	N		ActiveOG
-1	4.11E+08	Edison	42	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32127	-119.2932	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	42	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31305	-119.2998	Operator	N	N		ActiveOG
-1	4.11E+08	Lloyd	42	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31849	-119.2745	GPS	N	N		ActiveOG
-1	4.11E+08	V.L. & W.	42	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32056	-119.2541	Well Summ	N	Y	7/4/1939	ActiveOG
-1	4.11E+08	Taylor	420	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32262	-119.3267	GPS	N	Y	5/16/1953	ActiveWF
-1	4.11E+08	Taylor	421	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31921	-119.3349	GPS	N	Y	9/3/1953	ActiveWF
-1	4.11E+08	Taylor	422	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31932	-119.3275	Well Summ	N	Y	4/20/1953	ActiveWF
-1	4.11E+08	Taylor	423	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31685	-119.3031	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	424	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32152	-119.3215	GPS	N	N	5/3/1953	ActiveWF
-1	4.11E+08	Taylor	426	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31389	-119.3239	GPS	N	N	10/12/1953	ActiveWF
-1	4.11E+08	Hartman E	43	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32064	-119.2774	GPS	N	N	4/17/1947	ActiveOG
-1	4.11E+08	Taylor	43	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.314	-119.3004	Operator	N	N		ActiveOG
-1	4.11E+08	Edison	43	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31891	-119.2918	GPS	N	N		ActiveOG
-1	4.11E+08	McGonigle	43	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32212	-119.2659	GPS	N	Y	4/17/1959	ActiveWF
-1	4.11E+08	Barnard	43	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31792	-119.2864	Notice of Ir	N	Y		ActiveWF
-1	4.11E+08	Taylor	431	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31801	-119.2974	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	432	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32274	-119.3048	GPS	N	N	2/26/1953	ActiveWF
-1	4.11E+08	Taylor	435	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32189	-119.2998	GPS	N	Y		ActiveWF
-1	4.11E+08	Taylor	438	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32069	-119.3322	Well Summ	N	Y	6/8/1953	ActiveWF
-1	4.11E+08	Taylor	439	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32177	-119.3315	GPS	N	N		ActiveOG
-1	4.11E+08	Edison	44	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32225	-119.2913	Well Summ	N	N	5/29/1945	ActiveOG
-1	4.11E+08	Hartman E	44	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31966	-119.2838	GPS	N	N	6/27/1952	ActiveOG
-1	4.11E+08	Taylor	441	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32267	-119.3308	Operator	N	Y		ActiveWF
-1	4.11E+08	Taylor	442	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32089	-119.3323	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	443	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32058	-119.3349	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	445	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31942	-119.3322	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	446	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31855	-119.3321	Operator	N	Y	6/23/1953	ActiveWF
-1	4.11E+08	Taylor	447	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32102	-119.3197	GPS	N	N	6/30/1953	ActiveWF
-1	4.11E+08	Hartman E	45	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32081	-119.278	GPS	N	N		ActiveOG
-1	4.11E+08	Edison	45	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32175	-119.2915	GPS	N	N	4/13/1945	ActiveOG
-1	4.11E+08	Taylor	450	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31978	-119.33	GPS	N	Y	8/3/1953	ActiveWF
-1	4.11E+08	Taylor	452	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31841	-119.3298	GPS	N	N	9/17/1953	ActiveWF
-1	4.11E+08	Taylor	453	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31787	-119.332	Operator	N	Y		ActiveWF
-1	4.11E+08	Taylor	455	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31751	-119.3059	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	457	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32116	-119.3324	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	458	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3225	-119.3341	GPS	N	N		ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	459	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32191	-119.3314	GPS	N	N	11/21/1953	ActiveWF
-1	4.11E+08	RBU Gosne	46	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31494	-119.2884	Operator	N	Y		ActiveOG
-1	4.11E+08	RBU Edisor	46	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32064	-119.2917	GPS	N	N	12/1/1955	ActiveWF
-1	4.11E+08	Hartman E	46	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32051	-119.2832	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	460	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31762	-119.2971	Well Summ	N	Y	2/6/1954	ActiveOG
-1	4.11E+08	Taylor	463	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32162	-119.3237	GPS	N	Y	12/18/1953	ActiveWF
-1	4.11E+08	Taylor	464	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3165	-119.317	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	465	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32043	-119.3189	GPS	N	Y	11/28/1953	ActiveWF
-1	4.11E+08	Taylor	468	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31758	-119.3231	GPS	N	N	1/16/1954	ActiveWF
-1	4.11E+08	RBU Gosne	47	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31709	-119.2882	Operator	N	Y	8/9/1986	ActiveWF
-1	4.11E+08	Hartman E	47	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32031	-119.2799	Well Summ	N	N	3/22/1954	ActiveOG
-1	4.11E+08	Edison	47	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31721	-119.2916	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	475	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32125	-119.3216	Well Summ	N	Y	5/16/1954	ActiveOG
-1	4.11E+08	Taylor	476	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32016	-119.3149	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	478	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32181	-119.3235	Operator	N	Y	2/17/1954	ActiveWF
-1	4.11E+08	Taylor	479	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32404	-119.3122	GPS	N	N		ActiveOG
-1	4.11E+08	McGonigle	48	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32108	-119.2631	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	482	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32289	-119.3243	Well Summ	N	N	2/18/1954	ActiveWF
-1	4.11E+08	Taylor	484	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32251	-119.3338	GPS	N	N	2/12/1954	ActiveWF
-1	4.11E+08	Taylor	485	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32205	-119.3198	Well Summ	N	N	5/28/1955	ActiveWF
-1	4.11E+08	Taylor	487	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32032	-119.3239	GPS	N	N	10/15/1954	ActiveOG
-1	4.11E+08	Taylor	489	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32053	-119.3281	GPS	N	N	3/2/1954	ActiveWF
-1	4.11E+08	Edison	49	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32219	-119.2911	GPS	N	N	11/22/1947	ActiveOG
-1	4.11E+08	Lloyd	49	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31709	-119.2824	Well Summ	N	N	4/29/1955	ActiveWF
-1	4.11E+08	McGonigle	49	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32196	-119.2589	GPS	N	N	5/16/1979	ActiveWF
-1	4.11E+08	Hartman E	49	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32099	-119.2751	Well Summ	N	Y	10/5/1954	ActiveWF
-1	4.11E+08	Taylor	491	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3209	-119.3258	Operator	N	N		ActiveOG
-1	4.11E+08	RBU L. Harl	5	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32135	-119.2897	GPS	N	N		ActiveWF
-1	4.11E+08	Edison	50	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32315	-119.2915	GPS	N	N	7/29/1949	ActiveOG
-1	4.11E+08	Taylor	500	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32099	-119.326	Operator	N	Y	11/17/1954	ActiveWF
-1	4.11E+08	Taylor	502	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31552	-119.3198	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	505	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31762	-119.3321	GPS	N	N	12/8/2013	ActiveOG
-1	4.11E+08	Taylor	506	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32265	-119.3195	Operator	N	Y		ActiveOG
-1	4.11E+08	RBU Gosne	51	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31738	-119.2884	Operator	N	Y	7/7/1986	ActiveWF
-1	4.11E+08	Taylor	511	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3215	-119.3127	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	513	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31136	-119.3264	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	518	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32231	-119.334	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	519	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32244	-119.3155	GPS	N	N		ActiveWF
-1	4.11E+08	RBU Gosne	52	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31707	-119.288	Operator	N	Y	8/26/1986	ActiveWF
-1	4.11E+08	Hartman E	52	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32232	-119.2693	GPS	N	N		ActiveOG
-1	4.11E+08	McGonigle	52	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32207	-119.2656	Operator	N	Y	7/20/2009	ActiveWF
-1	4.11E+08	Taylor	521	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31925	-119.3233	GPS	N	Y	9/16/1955	ActiveWF
-1	4.11E+08	Taylor	522	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32115	-119.3259	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	526	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31456	-119.3285	Well Summ	N	N	5/27/1956	ActiveOG
-1	4.11E+08	Taylor	529	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31975	-119.3266	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Gosne	53	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31717	-119.2888	Operator	N	Y	12/2/1989	ActiveWF
-1	4.11E+08	McGonigle	53	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32241	-119.2638	Operator	N	Y	5/28/2009	ActiveWF
-1	4.11E+08	Edison	53	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32333	-119.2936	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	531	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32182	-119.299	GPS	N	N	4/6/1956	ActiveWF
-1	4.11E+08	Taylor	532	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32191	-119.2976	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	534	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32347	-119.303	GPS	N	N	6/12/1956	ActiveWF
-1	4.11E+08	Taylor	537	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32175	-119.3176	Operator	N	Y		ActiveOG
-1	4.11E+08	RBU Gosne	54	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31444	-119.2898	Well Summ	N	Y	10/31/2010	ActiveWF
-1	4.11E+08	McGonigle	54	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32199	-119.2657	Well Summ	N	Y	9/25/2009	ActiveWF
-1	4.11E+08	Taylor	540	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32049	-119.3238	Operator	N	Y	9/6/1957	ActiveWF
-1	4.11E+08	Taylor	541	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32238	-119.3336	GPS	N	N	10/9/1957	ActiveWF
-1	4.11E+08	Taylor	542	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32043	-119.332	hud	N	N	9/5/1957	ActiveWF
-1	4.11E+08	Taylor	543	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.3162	-119.3324	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	545	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31178	-119.3183	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	547	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32158	-119.3168	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	548	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31983	-119.3195	GPS	N	Y		ActiveWF
-1	4.11E+08	Taylor	549	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32212	-119.3341	GPS	N	N		ActiveWF
-1	4.11E+08	RBU Gosne	55	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31429	-119.2898	Well Summ	N	Y	10/10/2010	ActiveWF
-1	4.11E+08	Edison	55	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32203	-119.2936	GPS	N	N		ActiveOG
-1	4.11E+08	McGonigle	55	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32113	-119.2631	Operator	N	Y	1/5/2010	ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	550	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32243	-119.3111	GPS	N	N	1/3/1958	ActiveWF
-1	4.11E+08	Taylor	551	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31968	-119.3299	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	552	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32037	-119.3191	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	555	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32271	-119.3264	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	557	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32376	-119.3232	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	558	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32123	-119.3323	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	559	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32278	-119.3291	Well Summ	N	N	9/28/1958	ActiveOG
-1	4.11E+08	V. L. & W.	56	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31878	-119.2559	GPS	N	N	4/25/1943	ActiveWF
-1	4.11E+08	RBU Gosne	56	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31723	-119.2894	Well Summ	N	Y	11/2/2010	ActiveOG
-1	4.11E+08	McGonigle	56	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32319	-119.2591	Well Summ	N	Y	10/16/2010	ActiveWF
-1	4.11E+08	Taylor	560	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3236	-119.3306	GPS	N	N	10/5/1958	ActiveWF
-1	4.11E+08	Taylor	562	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32203	-119.3342	Well Summ	N	Y	1/11/1959	ActiveWF
-1	4.11E+08	Taylor	565	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32174	-119.3127	GPS	N	N	4/10/1959	ActiveOG
-1	4.11E+08	Taylor	566	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32194	-119.3233	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	567	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32022	-119.3279	GPS	N	Y		ActiveOG
-1	4.11E+08	Edison	57	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3225	-119.2913	Operator	N	N		ActiveOG
-1	4.11E+08	McGonigle	57	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32308	-119.2591	Well Summ	N	Y	10/18/2010	ActiveWF
-1	4.11E+08	Taylor	570	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31221	-119.3058	GPS	N	Y	6/15/1960	ActiveWF
-1	4.11E+08	Taylor	577-R	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31078	-119.3087	GPS	N	Y	5/13/1974	ActiveWF
-1	4.11E+08	V. L. & W.	58	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31871	-119.2455	Well Summ	N	Y	3/16/1947	ActiveWF
-1	4.11E+08	McGonigle	58	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32198	-119.2587	Well Summ	N	Y	10/20/2010	ActiveOG
-1	4.11E+08	Taylor	580	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31264	-119.3122	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	581	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31518	-119.3063	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	587	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32106	-119.3257	Operator	N	N		ActiveOG
-1	4.11E+08	McGonigle	59	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32204	-119.2659	Well Summ	N	Y	12/1/2011	ActiveWF
-1	4.11E+08	Edison	59	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32196	-119.2937	GPS	N	N	4/8/1951	ActiveWF
-1	4.11E+08	Taylor	590	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32266	-119.3197	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	593	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31025	-119.3115	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	596	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31525	-119.3064	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	597	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31207	-119.3072	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	598	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31752	-119.302	Operator	N	Y		ActiveOG
-1	4.11E+08	Hartman	6	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3225	-119.2822	GPS	N	N	7/13/1948	ActiveWF
-1	4.11E+08	V.L. & W.	6	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31967	-119.2571	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Edisor	60	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31669	-119.2924	Well Summ	N	N	11/30/1952	ActiveOG
-1	4.11E+08	RBU Taylor	607	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31877	-119.2958	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	608	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32198	-119.3312	GPS	N	Y		ActiveOG
-1	4.11E+08	McGonigle	61	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32248	-119.2641	Notice of Ir	N	Y	8/22/2011	ActiveOG
-1	4.11E+08	V.L. & W.	61	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3209	-119.2519	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	611	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32207	-119.3312	GPS	N	N	5/28/1964	ActiveWF
-1	4.11E+08	Taylor	612	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30974	-119.3092	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	613	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31033	-119.3103	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	614	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31005	-119.3114	GPS	N	Y		ActiveWF
-1	4.11E+08	Taylor	625	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31273	-119.3071	Well Summ	N	Y	10/31/1966	ActiveWF
-1	4.11E+08	Taylor	628	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31176	-119.311	GPS	N	Y		ActiveOG
-1	4.11E+08	Hartman Ea	63	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31968	-119.2841	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	632	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31026	-119.3134	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	634	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31391	-119.3056	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	635	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31357	-119.3241	Operator	N	N		ActiveWF
-1	4.11E+08	Taylor	636	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30997	-119.3111	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	637	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31402	-119.3053	Operator	N	N	1/17/1969	ActiveOG
-1	4.11E+08	Taylor	638	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31789	-119.2997	Operator	N	N	2/20/1969	ActiveWF
-1	4.11E+08	Taylor	639	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31578	-119.3039	Operator	N	Y	5/10/1969	ActiveWF
-1	4.11E+08	Edison	64	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31657	-119.2918	GPS	N	N		ActiveOG
-1	4.11E+08	Hartman Ea	64	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32013	-119.2819	Operator	N	Y	2/9/1982	ActiveWF
-1	4.11E+08	Lloyd	64	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31763	-119.2685	Well Summ	N	N	2/16/1937	ActiveWF
-1	4.11E+08	Taylor	640	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31664	-119.2979	Operator	N	Y	6/3/1969	ActiveWF
-1	4.11E+08	Taylor	644	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31324	-119.3094	Well Summ	N	Y	10/5/1970	ActiveOG
-1	4.11E+08	Taylor	645	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31652	-119.3019	Operator	N	Y		ActiveOG
-1	4.11E+08	Hartman Ea	65	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32195	-119.2747	Operator	N	Y		ActiveOG
-1	4.11E+08	Edison	65	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32383	-119.2935	Well Summ	N	Y	2/5/1957	ActiveOG
-1	4.11E+08	Taylor	653	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32116	-119.3017	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	654	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.311	-119.3187	Well Summ	N	Y	10/8/1974	ActiveOG
-1	4.11E+08	Taylor	655	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31699	-119.3094	Operator	N	Y	10/14/1975	ActiveWF
-1	4.11E+08	Taylor	658	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31294	-119.3002	Operator	N	N		ActiveOG
-1	4.11E+08	RBU Taylor	659	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31409	-119.2962	Operator	N	Y		ActiveOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd	66	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31783	-119.2664	GPS	N	N		ActiveOG
-1	4.11E+08	Edison	66	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32466	-119.2938	Well Summ	N	N	6/11/1958	ActiveWF
-1	4.11E+08	Hartman Ea	66	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32204	-119.279	Well Summ	N	Y	9/13/1985	ActiveOG
-1	4.11E+08	Taylor	660	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31617	-119.2972	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	661	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31537	-119.3014	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	662	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31561	-119.304	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	664	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30991	-119.3081	Operator	N	Y		ActiveWF
-1	4.11E+08	Taylor	665	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31225	-119.3071	Operator	N	Y	6/19/1985	ActiveOG
-1	4.11E+08	Taylor	666	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31406	-119.3047	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	667	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31787	-119.3	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	668	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3217	-119.3234	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	669	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32093	-119.3112	GPS	N	Y	1/5/1986	ActiveWF
-1	4.11E+08	Edison	67	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32406	-119.2934	GPS	N	Y	8/13/1958	ActiveWF
-1	4.11E+08	Taylor	670	Active	OB	Observatio	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32072	-119.3108	Operator	N	Y		ActiveOB
-1	4.11E+08	Taylor	671	Active	OB	Observatio	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32122	-119.3114	GPS	N	Y		ActiveOB
-1	4.11E+08	Taylor	674	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31588	-119.3082	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	676	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31537	-119.3104	GPS	N	Y	4/20/1986	ActiveOG
-1	4.11E+08	Taylor	677	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31433	-119.3018	GPS	N	Y	7/16/1986	ActiveWF
-1	4.11E+08	Taylor	678	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31078	-119.3206	Operator	N	Y		ActiveOG
-1	4.11E+08	RBU Edisor	68	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31596	-119.2925	Operator	N	N		ActiveOG
-1	4.11E+08	V. L. & W.	68	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31988	-119.2415	GPS	N	N	11/15/1944	ActiveWF
-1	4.11E+08	Taylor	680	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31581	-119.3042	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	681	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31417	-119.3221	Operator	N	N		ActiveOG
-1	4.11E+08	Taylor	685	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31519	-119.306	Operator	N	Y	6/4/1986	ActiveWF
-1	4.11E+08	RBU Taylor	686	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31595	-119.2972	Operator	N	Y		ActiveWF
-1	4.11E+08	Taylor	687	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31491	-119.3039	Operator	N	Y	11/5/1986	ActiveWF
-1	4.11E+08	Taylor	688	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31813	-119.2972	Well Summ	N	Y	3/28/1987	ActiveOG
-1	4.11E+08	Taylor	689	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31508	-119.308	Operator	N	Y	3/13/1987	ActiveWF
-1	4.11E+08	Lloyd	69	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31694	-119.2714	GPS	N	N	10/17/1937	ActiveWF
-1	4.11E+08	Taylor	69	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31872	-119.3041	GPS	N	N		ActiveOG
-1	4.11E+08	RBU Taylor	690	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31784	-119.2975	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	692	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31306	-119.3092	Well Summ	N	Y	6/24/1987	ActiveOG
-1	4.11E+08	Taylor	693	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31244	-119.3121	GPS	N	Y	7/20/1987	ActiveWF
-1	4.11E+08	Taylor	694	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31201	-119.3158	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	695	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31444	-119.3152	Operator	N	Y	7/13/1987	ActiveWF
-1	4.11E+08	Taylor	696	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31473	-119.3208	GPS	N	Y		ActiveOG
-1	4.11E+08	Taylor	697	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31199	-119.326	Well Summ	N	Y	10/11/1987	ActiveWF
-1	4.11E+08	Taylor	698	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31259	-119.3245	GPS	N	Y	8/29/1987	ActiveOG
-1	4.11E+08	Taylor	699	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32044	-119.3069	Operator	N	N		ActiveOG
-1	4.11E+08	Hartmann	7	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32143	-119.2891	Well Summ	N	N	11/9/1938	ActiveWF
-1	4.11E+08	RBU Barnai	7	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31937	-119.286	GPS	N	N		ActiveWF
-1	4.11E+08	Hartman	7	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32145	-119.2892	GPS	N	N	5/11/1951	ActiveOG
-1	4.11E+08	McGonigle	7	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32135	-119.2624	Operator	N	N	4/3/1929	ActiveWF
-1	4.11E+08	RBU Edisor	70	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31494	-119.2937	Operator	N	Y		ActiveOG
-1	4.11E+08	Lloyd	70	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31865	-119.267	GPS	N	N	8/5/1940	ActiveOG
-1	4.11E+08	Hartman Ea	70	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32079	-119.2818	Well Summ	N	N	8/19/1986	ActiveWF
-1	4.11E+08	RBU Taylor	700	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31113	-119.2982	Operator	N	Y	10/31/1987	ActiveWF
-1	4.11E+08	Taylor	701	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.3129	-119.3205	GPS	N	Y	11/7/1987	ActiveOG
-1	4.11E+08	Taylor	702	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30994	-119.3165	GPS	N	Y	12/5/1987	ActiveWF
-1	4.11E+08	Taylor	703	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31182	-119.3154	Operator	N	Y	11/20/1990	ActiveWF
-1	4.11E+08	Taylor	705	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31398	-119.3021	Operator	N	Y	3/4/1985	ActiveWF
-1	4.11E+08	Taylor	706	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31211	-119.3177	Operator	N	Y	3/21/1988	ActiveWF
-1	4.11E+08	Taylor	707	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31506	-119.3017	Operator	N	Y	4/3/1988	ActiveWF
-1	4.11E+08	Taylor	708	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31407	-119.3045	Operator	N	Y	4/20/1988	ActiveWF
-1	4.11E+08	Taylor	709	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31454	-119.3166	Operator	N	Y	4/10/1988	ActiveWF
-1	4.11E+08	RBU Edisor	71	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31473	-119.2939	GPS	N	Y	5/17/1986	ActiveWF
-1	4.11E+08	Hartman Ea	71	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32123	-119.2804	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	710	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31795	-119.2997	Operator	N	Y	5/6/1988	ActiveWF
-1	4.11E+08	Taylor	712	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31305	-119.2993	Operator	N	Y	5/24/1988	ActiveWF
-1	4.11E+08	Taylor	715	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31115	-119.305	Operator	N	Y	7/19/1988	ActiveWF
-1	4.11E+08	Taylor	716	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32007	-119.315	Operator	N	Y	4/17/1996	ActiveOG
-1	4.11E+08	Taylor	717	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32189	-119.3169	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	718	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30995	-119.3165	Well Summ	N	Y	5/22/1991	ActiveWF
-1	4.11E+08	RBU Taylor	719	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31506	-119.2975	Operator	N	Y		ActiveWF
-1	4.11E+08	RBU Edisor	72	Active	WF	Waterflooc	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32038	-119.2936	Well Summ	N	Y	4/16/1987	ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Hartman E	72	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32061	-119.2774	Well Summ	N	Y	7/30/1987	ActiveWF
-1	4.11E+08	V.L. & W.	72	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32084	-119.2559	GPS	N	N	4/16/1948	ActiveOG
-1	4.11E+08	Taylor	720	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31976	-119.2958	Operator	N	Y	10/20/1989	ActiveWF
-1	4.11E+08	Taylor	721	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31769	-119.3046	Operator	N	Y	12/19/1989	ActiveWF
-1	4.11E+08	Taylor	723	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31595	-119.2974	Operator	N	Y		ActiveWF
-1	4.11E+08	Taylor	724	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32248	-119.3063	GPS	N	Y	4/10/1991	ActiveWF
-1	4.11E+08	Taylor	725	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31553	-119.3153	Well Summ	N	N	1/28/1990	ActiveWF
-1	4.11E+08	Taylor	726	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32042	-119.3068	Well Summ	N	Y	2/17/1990	ActiveWF
-1	4.11E+08	Taylor	727	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.30843	-119.3243	Operator	N	Y	4/3/1990	ActiveWF
-1	4.11E+08	Taylor	728	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31152	-119.3236	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	729	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32406	-119.3032	GPS	N	N	5/30/1991	ActiveWF
-1	4.11E+08	Hartman E	73	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32136	-119.2824	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	730	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32105	-119.3054	GPS	N	Y	3/14/1990	ActiveWF
-1	4.11E+08	Taylor	731	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32006	-119.3151	Operator	N	Y	5/14/1996	ActiveWF
-1	4.11E+08	Taylor	732	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31276	-119.3209	Operator	N	Y	5/1/1990	ActiveWF
-1	4.11E+08	Taylor	733	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31297	-119.3157	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	734	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31058	-119.3144	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	736	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32147	-119.2984	Operator	N	Y	2/1/1991	ActiveWF
-1	4.11E+08	RBU Edisor	74	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32052	-119.2936	GPS	N	Y	5/7/1987	ActiveWF
-1	4.11E+08	Hartman E	74	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32214	-119.2787	Well Summ	N	Y	9/25/2008	ActiveWF
-1	4.11E+08	Taylor	742	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31734	-119.3232	Operator	N	N	7/26/1997	ActiveOG
-1	4.11E+08	Taylor	743	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31866	-119.3262	Operator	N	Y	1/16/1997	ActiveOG
-1	4.11E+08	Taylor	744	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31395	-119.333	Operator	N	N	10/1/1997	ActiveOG
-1	4.11E+08	Taylor	745	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31196	-119.3259	Operator	N	Y	8/1/1996	ActiveOG
-1	4.11E+08	Taylor	746	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31881	-119.3263	GPS	N	Y	2/25/1997	ActiveOG
-1	4.11E+08	Taylor	747	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32044	-119.3237	Operator	N	Y		ActiveWF
-1	4.11E+08	Taylor	748	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31702	-119.3319	Operator	N	Y	4/5/1997	ActiveOG
-1	4.11E+08	Hartman E	75	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32128	-119.2703	Operator	N	Y	1/29/2009	ActiveWF
-1	4.11E+08	Taylor	752	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31715	-119.332	Operator	N	Y	5/11/1997	ActiveOG
-1	4.11E+08	Taylor	753	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31904	-119.3266	Well Summ	N	N	10/11/1996	ActiveOG
-1	4.11E+08	Taylor	754	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31817	-119.3195	Operator	N	Y	9/16/2004	ActiveOG
-1	4.11E+08	Taylor	755	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32064	-119.313	Operator	N	Y	8/18/2005	ActiveOG
-1	4.11E+08	Taylor	756	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31479	-119.3274	GPS	N	Y	8/14/2004	ActiveOG
-1	4.11E+08	Taylor	757	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3182	-119.3172	Operator	N	Y	7/4/2004	ActiveOG
-1	4.11E+08	Taylor	758	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31971	-119.3193	Operator	N	Y	9/25/2005	ActiveOG
-1	4.11E+08	Taylor	759	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31707	-119.313	GPS	N	Y	2/4/2007	ActiveOG
-1	4.11E+08	V. L. & W.	76	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32128	-119.2397	GPS	N	N		ActiveWF
-1	4.11E+08	Edison	76	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31548	-119.2926	Operator	N	Y		ActiveWF
-1	4.11E+08	Hartman E	76	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32096	-119.2691	Operator	N	Y	3/11/2010	ActiveOG
-1	4.11E+08	Taylor	760	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31992	-119.3151	Operator	N	Y	5/30/1996	ActiveOG
-1	4.11E+08	Taylor	761	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31818	-119.3117	GPS	N	Y	3/6/2007	ActiveOG
-1	4.11E+08	Taylor	762	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32414	-119.3143	GPS	N	Y	6/13/2007	ActiveOG
-1	4.11E+08	Taylor	763	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32133	-119.3175	GPS	N	Y	3/10/2008	ActiveOG
-1	4.11E+08	Taylor	765	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30931	-119.3009	GPS	N	Y	5/12/2008	ActiveOG
-1	4.11E+08	Taylor	767	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31329	-119.3015	GPS	N	Y	4/27/2008	ActiveOG
-1	4.11E+08	Taylor	768	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32019	-119.3261	GPS	N	Y	5/2/2008	ActiveOG
-1	4.11E+08	Taylor	769	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31177	-119.3034	Operator	N	Y	10/8/2009	ActiveWF
-1	4.11E+08	Hartman E	77	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32016	-119.2825	Notice of Ir	N	Y	2/13/2014	ActiveWF
-1	4.11E+08	RBU Edisor	77	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31392	-119.2937	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	77	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31508	-119.3015	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	770	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3116	-119.3034	Operator	N	Y	8/13/2009	ActiveWF
-1	4.11E+08	Taylor	771	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32133	-119.3258	GPS	N	Y	8/10/2008	ActiveWF
-1	4.11E+08	Taylor	772	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32034	-119.2997	Operator	N	N	5/12/2010	ActiveOG
-1	4.11E+08	Taylor	773	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31755	-119.3046	Operator	N	Y	7/1/2009	ActiveWF
-1	4.11E+08	Taylor	774	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31956	-119.3036	Operator	N	Y	8/2/2009	ActiveWF
-1	4.11E+08	Taylor	779	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31108	-119.3229	Well Summ	N	Y	7/17/2009	ActiveOG
-1	4.11E+08	RBU Edisor	78	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31585	-119.2921	Operator	N	Y	3/21/1991	ActiveOG
-1	4.11E+08	Lloyd	78	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31802	-119.2718	GPS	N	N		ActiveOG
-1	4.11E+08	Hartman E	78	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3211	-119.2693	Notice of Ir	N	N	8/16/2013	ActiveOG
-1	4.11E+08	Taylor	78	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31638	-119.3256	GPS	N	N		ActiveOG
-1	4.11E+08	Taylor	780	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31033	-119.3192	Operator	N	Y	4/21/2009	ActiveOG
-1	4.11E+08	Taylor	781	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31953	-119.3056	Operator	N	Y	8/21/2009	ActiveOG
-1	4.11E+08	Taylor	783	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31304	-119.3026	Operator	N	Y	9/10/2009	ActiveOG
-1	4.11E+08	Taylor	784	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31374	-119.2999	Operator	N	Y	4/19/2009	ActiveOG
-1	4.11E+08	Taylor	786	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32151	-119.3145	Operator	N	Y	12/21/2009	ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	787	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32272	-119.3309	Well Summ	N	Y	2/9/2010	ActiveWF
-1	4.11E+08	Taylor	788	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31895	-119.3334	Well Summ	N	Y	3/14/2009	ActiveWF
-1	4.11E+08	Hartman Ea	79	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32196	-119.2757	Well Summ	N	N	12/9/2010	ActiveWF
-1	4.11E+08	Taylor	791	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32097	-119.3241	Well Summ	N	Y	6/11/2010	ActiveWF
-1	4.11E+08	Taylor	792	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32221	-119.3284	Operator	N	N	2/28/2013	ActiveWF
-1	4.11E+08	Taylor	793	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32234	-119.3198	Operator	N	N	1/8/2013	ActiveWF
-1	4.11E+08	Taylor	794	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3165	-119.2988	Well Summ	N	Y	7/23/2010	ActiveOG
-1	4.11E+08	RBU Taylor	795	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31527	-119.2974	Operator	N	Y	5/17/2010	ActiveOG
-1	4.11E+08	Hartmann	8	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3213	-119.2874	Operator	N	N		ActiveOG
-1	4.11E+08	Hartmann-	8	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32227	-119.2834	GPS	N	Y	1/1/2007	ActiveWF
-1	4.11E+08	RBU Gosne	8-A	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31488	-119.2843	GPS	N	N	2/21/1926	ActiveWF
-1	4.11E+08	Hartman Ea	80	Active	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3214	-119.27	Well Summ	N	Y	11/17/2010	ActiveMulti
-1	4.11E+08	Edison	80	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32111	-119.2934	Operator	N	Y	11/22/2009	ActiveWF
-1	4.11E+08	Taylor	806	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31112	-119.319	Operator	N	Y		ActiveOG
-1	4.11E+08	Taylor	808	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32411	-119.312	GPS	N	Y	7/27/1955	ActiveWF
-1	4.11E+08	RBU Edisor	81	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31794	-119.2935	Operator	N	Y	5/29/2010	ActiveOG
-1	4.11E+08	Lloyd	81	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3178	-119.2707	GPS	N	N	4/12/1931	ActiveWF
-1	4.11E+08	Hartman Ea	81	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32024	-119.2825	Well Summ	N	Y	3/11/2015	ActiveWF
-1	4.11E+08	Taylor	812	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31069	-119.3214	GPS	N	Y	8/30/1955	ActiveWF
-1	4.11E+08	Taylor	815	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31287	-119.3005	Well Summ	N	Y	10/26/2010	ActiveWF
-1	4.11E+08	Taylor	816	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31295	-119.2994	Well Summ	N	Y	10/24/2010	ActiveWF
-1	4.11E+08	Taylor	817	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31134	-119.3048	Well Summ	N	Y	10/27/2010	ActiveWF
-1	4.11E+08	RBU Taylor	818	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.315	-119.2975	Operator	N	Y	11/2/2010	ActiveOG
-1	4.11E+08	Taylor	819	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31438	-119.3019	Well Summ	N	Y	11/5/2010	ActiveOG
-1	4.11E+08	RBU Edisor	82	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31516	-119.2937	Operator	N	Y	5/2/2010	ActiveOG
-1	4.11E+08	Hartman Ea	82	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32203	-119.2786	Notice of Ir	N	N	11/9/2012	ActiveOG
-1	4.11E+08	V. L. & W.	82	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31889	-119.2555	Well Summ	N	Y	6/6/1949	ActiveOG
-1	4.11E+08	Taylor	820	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31163	-119.3072	Operator	N	Y	7/13/2010	ActiveOG
-1	4.11E+08	Taylor	822	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31276	-119.3026	Well Summ	N	N	10/25/2010	ActiveOG
-1	4.11E+08	Taylor	823	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31292	-119.3083	Operator	N	Y	7/28/2010	ActiveOG
-1	4.11E+08	Taylor	824	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31444	-119.2998	Well Summ	N	Y	10/29/2010	ActiveOG
-1	4.11E+08	Taylor	825	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31417	-119.303	Operator	N	Y	10/1/2010	ActiveOG
-1	4.11E+08	Taylor	826	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31489	-119.3042	Well Summ	N	Y	10/10/2010	ActiveOG
-1	4.11E+08	Taylor	827	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31611	-119.2983	Well Summ	N	Y	11/20/2010	ActiveOG
-1	4.11E+08	Taylor	828	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31408	-119.3021	Notice of Ir	N	N	6/13/2013	ActiveWF
-1	4.11E+08	Taylor	829	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31407	-119.3022	Notice of Ir	N	Y	5/3/2013	ActiveWF
-1	4.11E+08	V. L. & W.	83	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.319	-119.2528	GPS	N	N	6/29/1949	ActiveOG
-1	4.11E+08	Lloyd	83	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3181	-119.2676	GPS	N	Y		ActiveOG
-1	4.11E+08	RBU Edisor	83	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31456	-119.2929	Operator	N	Y	10/31/2010	ActiveWF
-1	4.11E+08	Hartman Ea	83	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32007	-119.2833	Notice of Ir	N	N		ActiveWF
-1	4.11E+08	Taylor	830	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31027	-119.3135	Well Summ	N	Y	5/30/2013	ActiveWF
-1	4.11E+08	Taylor	831	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31163	-119.309	Well Summ	N	Y	4/1/2011	ActiveOG
-1	4.11E+08	Taylor	832	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31031	-119.3115	Well Summ	N	Y	7/9/2011	ActiveOG
-1	4.11E+08	Taylor	834	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31372	-119.3059	Well Summ	N	Y	3/10/2011	ActiveOG
-1	4.11E+08	Taylor	835	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31039	-119.3143	Well Summ	N	N	1/18/2012	ActiveOG
-1	4.11E+08	Taylor	836	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31151	-119.3173	Well Summ	N	N	12/18/2012	ActiveOG
-1	4.11E+08	Taylor	838	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31197	-119.31	Well Summ	N	Y	3/4/2012	ActiveWF
-1	4.11E+08	Hartman Ea	84	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32109	-119.2692	Notice of Ir	N	N	7/2/2013	ActiveOG
-1	4.11E+08	V. L. & W.	84	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.3191	-119.2498	GPS	N	N		ActiveWF
-1	4.11E+08	Taylor	84	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3147	-119.3186	Operator	N	N		ActiveOG
-1	4.11E+08	RBU Edisor	84	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3185	-119.2916	Well Summ	N	Y	1/31/2012	ActiveOG
-1	4.11E+08	RBU Edisor	85	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31426	-119.2942	Well Summ	N	Y	10/13/2010	ActiveWF
-1	4.11E+08	V. L. & W.	85	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31843	-119.2577	GPS	N	N	8/13/1949	ActiveOG
-1	4.11E+08	Hartman Ea	85	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32011	-119.2825	Notice of Ir	N	N	1/1/2015	ActiveOG
-1	4.11E+08	RBU Edisor	86	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31611	-119.2918	Notice of Ir	N	Y	3/18/2012	ActiveWF
-1	4.11E+08	Hartman Ea	86	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32006	-119.2835	Notice of Ir	N	N		ActiveOG
-1	4.11E+08	Hartman Ea	87	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32007	-119.2834	Notice of Ir	N	Y		ActiveOG
-1	4.11E+08	Lloyd	87	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31848	-119.2623	GPS	N	N		ActiveOG
-1	4.11E+08	Hartman Ea	89	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32013	-119.2824	Notice of Ir	N	Y	12/15/2014	ActiveWF
-1	4.11E+08	Taylor	89	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31724	-119.2986	GPS	N	N		ActiveWF
-1	4.11E+08	Hartmann	9	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32117	-119.2857	GPS	N	N	10/16/1939	ActiveWF
-1	4.11E+08	RBU Barnar	9	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32035	-119.2876	Operator	N	N		ActiveOG
-1	4.11E+08	Hartman Ea	90	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32019	-119.2824	Notice of Ir	N	N		ActiveWF
-1	4.11E+08	Lloyd	95	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31683	-119.2661	Well Summ	N	N	6/18/1930	ActiveWF
-1	4.11E+08	Lloyd Corp.	97	Active	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32189	-119.2499	Notice of Ir	N	N		ActiveWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd Corp.	99	Active	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32207	-119.2493	Well Summ	N	Y	10/18/2013	ActiveOG
-1	4.11E+08	Hartman	1	Plugged	OG	Oil & Gas	6805	Petrolum S	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32262	-119.2817	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	8070	State Cons	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.321	-119.2848	hud	N	N		PluggedDH
-1	4.11E+08	RBU S. P. W	1	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3104	-119.2943	GPS	N	N		PluggedWF
-1	4.11E+08	Bennet Fos	1	Plugged	DH	Dry Hole	7589	Samuel Ber	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30928	-119.2971	hud	N	N		PluggedDH
-1	4.11E+08	Foster	1	Plugged	OG	Oil & Gas	V1300	Victory Oil	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30945	-119.2967	hud	N	N		PluggedOG
-1	4.11E+08	Sexton	1	Plugged	DH	Dry Hole	5956	Milham Exp	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32378	-119.2238	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Sextc	1	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32124	-119.2019	hud	N	N		PluggedDH
-1	4.11E+08	Star Canet	1	Plugged	OG	Oil & Gas	8065	Star Petro.	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32914	-119.24	hud	N	N		PluggedOG
-1	4.11E+08	South Flanl	1	Plugged	DH	Dry Hole	V1213	Ventura En	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.30674	-119.2267	GPS	N	N	4/30/2007	PluggedDH
-1	4.11E+08	Hartman	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3222	-119.2832	GPS	N	N	7/23/1939	PluggedOG
-1	4.11E+08	Barnard	1	Plugged	OG	Oil & Gas	D1300	Decalta Int	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32221	-119.2828	hud	N	N	10/16/1929	PluggedOG
-1	4.11E+08	J.E.A.	1	Plugged	OG	Oil & Gas	S7325	Sunrise Re	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32578	-119.2826	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	3211	G. J. Mager	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32301	-119.2816	hud	N	N		PluggedOG
-1	4.11E+08	Edison	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31732	-119.291	GPS	N	N		PluggedOG
-1	4.11E+08	Courtney C	1	Plugged	OG	Oil & Gas	3872	Harry S. Ro	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32549	-119.2899	hud	N	N		PluggedOG
-1	4.11E+08	Notten	1	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31657	-119.2905	hud	N	N		PluggedOG
-1	4.11E+08	Barnes-Spa	1	Plugged	OG	Oil & Gas	5317	Lewis T. Lo	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32536	-119.2922	hud	N	N		PluggedOG
-1	4.11E+08	Schmidt	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32434	-119.2916	Operator	N	N		PluggedOG
-1	4.11E+08	RBU L. Harl	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3206	-119.2842	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Struc	1	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31174	-119.2707	hud	N	N		PluggedDH
-1	4.11E+08	Fraser	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32534	-119.2801	hud	N	N	4/16/1950	PluggedOG
-1	4.11E+08	Lloyd	1	Plugged	OG	Oil & Gas	R4050	Royal Amei	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.31161	-119.2262	hud	N	N		PluggedOG
-1	4.11E+08	Sexton	1	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.3248	-119.2182	hud	N	N		PluggedDH
-1	4.11E+08	Caldrill	1	Plugged	DH	Dry Hole	1204	Caldrill, Inc	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32224	-119.2089	hud	N	N	3/1/1963	PluggedDH
-1	4.11E+08	Taylor-Lloy	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32636	-119.3019	hud	N	N		PluggedOG
-1	4.11E+08	AWS	1	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31129	-119.2982	GPS	N	N		PluggedWS
-1	4.11E+08	Barnard	1	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	22W	SB	34.3214	-119.2834	hud	N	N		PluggedOG
-1	4.11E+08	Hartman Ea	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31769	-119.2857	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.3198	-119.2838	hud	N	N		PluggedOG
-1	4.11E+08	RBU Percy	1	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3084	-119.2958	GPS	N	Y		PluggedMulti
-1	4.11E+08	Sprague	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32588	-119.2943	hud	N	N		PluggedOG
-1	4.11E+08	Unspecifie	1	Plugged	DH	Dry Hole	3622	H. A. Wate	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32425	-119.2909	hud	N	N	3/29/1928	PluggedDH
-1	4.11E+08	Hisey	1	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32041	-119.2906	hud	N	N		PluggedOG
-1	4.11E+08	Smith	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32464	-119.2889	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W. S	1	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31805	-119.3269	hud	N	N		PluggedDH
-1	4.11E+08	Dabney-Llo	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32212	-119.2547	hud	N	N		PluggedOG
-1	4.11E+08	McGonigle	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32115	-119.2635	hud	N	N		PluggedOG
-1	4.11E+08	Ventura	1	Plugged	OG	Oil & Gas	5332	Lillian B. Sc	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32444	-119.2905	hud	N	N		PluggedOG
-1	4.11E+08	RBU Willet	1	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31195	-119.2926	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31781	-119.2978	hud	N	N		PluggedOG
-1	4.11E+08	Francis	1	Plugged	OG	Oil & Gas	6740	Penn-Kan (	Ventura	Any Area	Ventura	Northern	Ventura	28	03N	23W	SB	34.30704	-119.2972	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31756	-119.2858	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	1	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31747	-119.2901	hud	N	N		PluggedOG
-1	4.11E+08	Standard-L	1	Plugged	DH	Dry Hole	C5640	Chevron U.	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	22W	SB	34.31889	-119.1983	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd	1-A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31906	-119.2852	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W. S	1-A	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3143	-119.2525	hud	N	N		PluggedDH
-1	4.11E+08	Barnard	1-A	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	22W	SB	34.32005	-119.2852	hud	N	N		PluggedOG
-1	4.11E+08	Star Canet	1-A	Plugged	OG	Oil & Gas	8065	Star Petro.	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32912	-119.2402	hud	N	N		PluggedOG
-1	4.11E+08	Well No.	1-A	Plugged	OG	Oil & Gas	3211	G. J. Mager	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32299	-119.2814	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp	1-A	Plugged	CH	Core Hole	L2200	Lloyd Mana	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32513	-119.2192	hud	N	N		PluggedCH
-1	4.11E+08	Notten	10	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31679	-119.2904	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	10	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31524	-119.2903	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	10	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3162	-119.2824	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	10	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3159	-119.3031	hud	N	N		PluggedOG
-1	4.11E+08	Hartman Ea	10	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32107	-119.271	hud	N	Y		PluggedOG
-1	4.11E+08	Edison	10	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31684	-119.2942	hud	N	N		PluggedDH
-1	4.11E+08	Taylor	100	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31519	-119.3102	hud	N	N		PluggedOG
-1	4.11E+08	RBU L. Harl	101	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32172	-119.2894	GPS	N	N	8/2/1956	PluggedMulti
-1	4.11E+08	Taylor	101	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31573	-119.3123	hud	N	N		PluggedWS
-1	4.11E+08	Lloyd	101	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31823	-119.261	GPS	N	N	9/14/1925	PluggedOG
-1	4.11E+08	Taylor	102	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31308	-119.3088	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	102	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3187	-119.2641	hud	N	N	9/21/1927	PluggedOG
-1	4.11E+08	Lloyd	103	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31879	-119.2624	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	103	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31972	-119.2362	hud	N	N		PluggedWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	104	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31831	-119.3013	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	105	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31449	-119.3136	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	107	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31627	-119.3087	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	108	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31601	-119.2601	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	109	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31311	-119.3052	Well Summ	N	N	1/5/1940	PluggedOG
-1	4.11E+08	Lloyd	109	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31546	-119.2622	hud	N	N		PluggedOG
-1	4.11E+08	Hartman E	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32197	-119.2698	GPS	N	N		PluggedOG
-1	4.11E+08	McGonigle	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32158	-119.267	Well Summ	N	Y	3/16/1938	PluggedOG
-1	4.11E+08	Lloyd	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31872	-119.2834	GPS	N	N	10/29/1925	PluggedOG
-1	4.11E+08	V.L. & W.	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31945	-119.2545	GPS	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31413	-119.2832	hud	N	N		PluggedOG
-1	4.11E+08	RBU Orton	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30994	-119.297	Well Summ	N	N	1/1/1928	PluggedOG
-1	4.11E+08	Hartman	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32396	-119.2791	hud	N	N		PluggedOG
-1	4.11E+08	RBU Notte	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31608	-119.2898	GPS	N	N		PluggedOG
-1	4.11E+08	Hartmann	11	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32171	-119.2876	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	110	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31769	-119.2854	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	110	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31901	-119.2989	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	111	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31723	-119.3171	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	111	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31374	-119.2723	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	112	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32001	-119.2342	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	112	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3129	-119.3122	hud	N	N	5/12/1988	PluggedINJ
-1	4.11E+08	Taylor	113	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3127	-119.3072	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	113-R	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3121	-119.3069	Well Summ	N	N	8/7/1974	PluggedOG
-1	4.11E+08	Taylor	114	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3142	-119.3121	GPS	N	N	2/29/1940	PluggedMulti
-1	4.11E+08	Taylor	115	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31453	-119.3083	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	116	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31557	-119.3169	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	116	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32109	-119.2478	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	117	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31951	-119.2636	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	118	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31302	-119.3154	Well Summ	N	N	5/20/1940	PluggedMulti
-1	4.11E+08	Taylor	119	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31292	-119.3103	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	12	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31927	-119.2899	GPS	N	N	12/8/1926	PluggedOG
-1	4.11E+08	Hartman E	12	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32094	-119.2689	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	12	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31492	-119.2828	hud	N	N		PluggedOG
-1	4.11E+08	Edison	12	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31493	-119.2931	hud	N	N		PluggedOG
-1	4.11E+08	Notten	12	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31567	-119.2875	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	12	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31686	-119.3091	hud	N	N		PluggedOG
-1	4.11E+08	RBU Orton	12	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30994	-119.2965	GPS	N	N	9/1/1928	PluggedOG
-1	4.11E+08	Taylor	120	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31435	-119.3173	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	120	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32196	-119.2399	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	121	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31277	-119.3026	hud	N	N	6/23/1940	PluggedOG
-1	4.11E+08	Taylor	122	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31316	-119.3139	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	123	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31444	-119.3154	GPS	N	N		PluggedINJ
-1	4.11E+08	V. L. & W.	124A	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31693	-119.2407	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	125	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31616	-119.3141	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	126	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31574	-119.3105	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	127	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31596	-119.315	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	128	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31191	-119.3137	Operator	N	N		PluggedMulti
-1	4.11E+08	V. L. & W.	129	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31865	-119.2455	hud	N	N		PluggedINJ
-1	4.11E+08	Lloyd	129	Plugged	WD	Water Disp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31165	-119.2801	hud	N	N		PluggedWD
-1	4.11E+08	Hartman E	12A	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32099	-119.2691	GPS	N	N		PluggedWF
-1	4.11E+08	Hartman	13	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32474	-119.2849	hud	N	N	12/24/1951	PluggedOG
-1	4.11E+08	Edison	13	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31835	-119.2908	GPS	N	N	9/8/1926	PluggedOG
-1	4.11E+08	Gosnell	13	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31441	-119.2874	hud	N	N		PluggedOG
-1	4.11E+08	RBU Orton	13	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31036	-119.2968	GPS	N	N		PluggedOG
-1	4.11E+08	Notten	13	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31624	-119.2896	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	130	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31424	-119.3192	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	131	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31787	-119.3046	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	131	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3173	-119.2743	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	131	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31986	-119.2345	Operator	N	N		PluggedOG
-1	4.11E+08	Taylor	132	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31209	-119.3058	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	132	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31605	-119.2729	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	133	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31192	-119.3157	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	136	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.3158	-119.3208	hud	N	N		PluggedOG
-1	4.11E+08	V.L. & W.	138	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32062	-119.2562	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	138	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31299	-119.3189	Operator	N	N		PluggedINJ

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	139	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31589	-119.3082	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	139	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32008	-119.2589	hud	N	N		PluggedOG
-1	4.11E+08	Hartman E	14	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31971	-119.2839	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	14	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31738	-119.2854	hud	N	N		PluggedDH
-1	4.11E+08	RBU Orton	14	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30998	-119.2959	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	14	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31753	-119.2558	Operator	N	N		PluggedWF
-1	4.11E+08	Hartman	14	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32403	-119.2694	hud	N	Y		PluggedOG
-1	4.11E+08	Gosnell	14	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31726	-119.2876	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	14	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31684	-119.2953	hud	N	N	6/22/1922	PluggedOG
-1	4.11E+08	V. L. & W.	140	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31699	-119.2406	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	144	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31152	-119.3089	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	145	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31142	-119.3036	hud	N	Y		PluggedINJ
-1	4.11E+08	Taylor	145-R	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31103	-119.305	Well Summ	N	Y	9/12/1974	PluggedMulti
-1	4.11E+08	Taylor	146	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31948	-119.2973	GPS	N	N	1/4/1942	PluggedWF
-1	4.11E+08	Taylor	147	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32225	-119.2977	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	148	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31208	-119.3158	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	148	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31689	-119.2408	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	149	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31857	-119.2456	hud	N	N		PluggedMulti
-1	4.11E+08	Lloyd	149	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32009	-119.2608	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	14A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31746	-119.2856	GPS	N	N	6/14/1924	PluggedOG
-1	4.11E+08	Barnard	15	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31914	-119.2871	hud	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	15	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31322	-119.295	hud	N	N		PluggedOG
-1	4.11E+08	RBU Taylor	15	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31789	-119.295	hud	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	15	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31702	-119.2869	GPS	N	Y		PluggedOG
-1	4.11E+08	V. L. & W.	15	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31614	-119.2561	hud	N	N		PluggedWF
-1	4.11E+08	Hartman	15	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32433	-119.2719	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	15	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31814	-119.2802	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	150	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32009	-119.2416	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	151	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31884	-119.2496	hud	N	Y		PluggedOG
-1	4.11E+08	V. L. & W.	152	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31808	-119.2543	hud	N	N		PluggedINJ
-1	4.11E+08	V. L. & W.	153	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31888	-119.2496	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	153	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31752	-119.2741	Well Summ	N	N	5/11/1954	PluggedOG
-1	4.11E+08	Lloyd	154	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31918	-119.2724	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	154	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31822	-119.2545	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	154	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32126	-119.3167	Well Summ	N	N	4/2/1942	PluggedOG
-1	4.11E+08	Taylor	155	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31833	-119.3223	hud	N	N		PluggedWF
-1	4.11E+08	Lloyd	155	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31978	-119.2689	hud	N	N		PluggedMulti
-1	4.11E+08	V. L. & W.	155	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31813	-119.2543	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	158	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31384	-119.3273	GPS	N	N		PluggedINJ
-1	4.11E+08	V. L. & W.	158	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32047	-119.2389	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	159	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31447	-119.3309	hud	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	16	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31289	-119.2944	Operator	N	N		PluggedOG
-1	4.11E+08	Lloyd	16	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31682	-119.2802	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	16	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31686	-119.3104	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	16	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31602	-119.286	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	16	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32032	-119.2869	GPS	N	N	1/2/1929	PluggedOG
-1	4.11E+08	V. L. & W.	160	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32122	-119.2442	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	160	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32056	-119.2995	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	163	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32231	-119.304	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	167	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31052	-119.3117	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	169	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31176	-119.3124	hud	N	N		PluggedOG
-1	4.11E+08	RBU Taylor	17	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31495	-119.296	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	17	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31842	-119.2574	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	17	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31531	-119.2809	hud	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	17	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31704	-119.2892	Operator	N	Y		PluggedOG
-1	4.11E+08	Taylor	170	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31149	-119.314	GPS	N	N	2/8/1944	PluggedINJ
-1	4.11E+08	Taylor	171	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31567	-119.3274	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	172	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31415	-119.324	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	173	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31078	-119.3059	GPS	N	N	3/21/1945	PluggedOG
-1	4.11E+08	Lloyd	173	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31903	-119.2783	Well Summ	N	N	1/8/1960	PluggedOG
-1	4.11E+08	Taylor	174	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3103	-119.31	GPS	N	N		PluggedINJ
-1	4.11E+08	Taylor	175	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31259	-119.3247	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	177	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31667	-119.3019	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	179	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31593	-119.3235	Well Summ	N	N	3/30/1944	PluggedWF
-1	4.11E+08	Taylor	18	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31589	-119.2968	Well Summ	N	N	11/18/1926	PluggedOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Barnard	18	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32013	-119.2891	GPS	N	N	5/15/1938	PluggedOG
-1	4.11E+08	Hartman Ea	18	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32128	-119.2719	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	18	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31662	-119.2576	hud	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	18	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31553	-119.2853	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	18	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31337	-119.2826	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	182	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31639	-119.3008	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	184	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31894	-119.2989	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	185	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31739	-119.3231	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	187	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31237	-119.3272	hud	N	N		PluggedINJ
-1	4.11E+08	Lloyd	19	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3138	-119.2807	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	19	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31796	-119.2962	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	19	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31746	-119.29	hud	N	N		PluggedOG
-1	4.11E+08	Hartman Ea	19	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32189	-119.2711	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	19	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32274	-119.2396	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	192	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31667	-119.2644	GPS	N	Y		PluggedMulti
-1	4.11E+08	Lloyd	195	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31712	-119.2712	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	195	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3125	-119.299	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	197	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31855	-119.279	GPS	N	N	12/28/1969	PluggedOG
-1	4.11E+08	Taylor	197	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31247	-119.3043	GPS	N	N	5/19/1945	PluggedOG
-1	4.11E+08	Lloyd	199	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31665	-119.2644	Operator	N	Y	2/6/1970	PluggedWF
-1	4.11E+08	Lloyd Corp	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32196	-119.2533	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W. S	2	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31179	-119.2771	hud	N	N		PluggedDH
-1	4.11E+08	Lloyd Struc	2	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3053	-119.2739	hud	N	N		PluggedDH
-1	4.11E+08	RBU Notter	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31636	-119.289	GPS	N	N		PluggedOG
-1	4.11E+08	Schmidt	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32409	-119.2923	hud	N	N	11/25/1949	PluggedOG
-1	4.11E+08	Dabney-Llo	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32199	-119.2545	hud	N	N		PluggedOG
-1	4.11E+08	Notten	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31622	-119.288	GPS	N	N		PluggedOG
-1	4.11E+08	S.P. Willett	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30986	-119.2946	hud	N	N		PluggedOG
-1	4.11E+08	RBU Foster	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30936	-119.2958	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31775	-119.2964	hud	N	N		PluggedOG
-1	4.11E+08	Percy	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura	Northern	Ventura	28	03N	23W	SB	34.30712	-119.2965	hud	N	N		PluggedOG
-1	4.11E+08	Edison	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31618	-119.291	hud	N	N		PluggedOG
-1	4.11E+08	RBU Orton	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31251	-119.2947	Operator	N	N		PluggedOG
-1	4.11E+08	Barnes-Spa	2	Plugged	OG	Oil & Gas	5317	Lewis T. Lo	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32508	-119.2932	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31886	-119.2849	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	2	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3183	-119.29	GPS	N	N	5/18/1926	PluggedWS
-1	4.11E+08	V.L. & W.	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32066	-119.2566	GPS	N	N		PluggedOG
-1	4.11E+08	Well No.	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31998	-119.2827	hud	N	N	2/22/1922	PluggedOG
-1	4.11E+08	Taylor-Lloy	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32557	-119.3062	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	2	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31742	-119.2894	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	20	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31515	-119.2861	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	20	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31707	-119.297	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	20	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31466	-119.279	hud	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	20	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31228	-119.2924	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	200	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31802	-119.2977	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	200	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31393	-119.2708	hud	N	Y		PluggedOG
-1	4.11E+08	V. L. & W.	200	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32017	-119.2389	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	201	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31711	-119.2404	hud	N	N		PluggedWF
-1	4.11E+08	V. L. & W.	202	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31858	-119.2495	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	202	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31664	-119.2645	GPS	N	Y		PluggedWF
-1	4.11E+08	V. L. & W.	203	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.3186	-119.2495	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	203	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31779	-119.308	hud	N	Y		PluggedINJ
-1	4.11E+08	V. L. & W.	205	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31558	-119.2487	hud	N	N		PluggedWF
-1	4.11E+08	V. L. & W.	206	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31563	-119.2535	hud	N	N		PluggedWF
-1	4.11E+08	Lloyd	206	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31744	-119.2743	GPS	N	Y		PluggedWF
-1	4.11E+08	Taylor	206	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31408	-119.3041	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	207	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31509	-119.2767	GPS	N	Y		PluggedWF
-1	4.11E+08	RBU Taylor	209	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31472	-119.2983	Operator	N	N		PluggedOG
-1	4.11E+08	Hartmann	21	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32156	-119.2896	GPS	N	N	3/15/1954	PluggedOG
-1	4.11E+08	Gosnell	21	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31727	-119.2886	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	210	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32023	-119.3099	GPS	N	N		PluggedMulti
-1	4.11E+08	Lloyd	211	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3203	-119.264	Operator	N	Y		PluggedOG
-1	4.11E+08	Taylor	213	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31488	-119.2999	Operator	N	N	5/11/1948	PluggedOG
-1	4.11E+08	Lloyd	214	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31397	-119.2706	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	214	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31583	-119.2993	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	215	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31019	-119.31	hud	N	N		PluggedWF
-1	4.11E+08	RBU Gosne	22	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31507	-119.2883	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	22	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3178	-119.2785	GPS	N	N	6/1/1926	PluggedOG
-1	4.11E+08	RBU Edisor	22	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31358	-119.2942	GPS	N	Y		PluggedOG
-1	4.11E+08	RBU Taylor	22	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31304	-119.2976	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	220	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31744	-119.3209	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	221	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31279	-119.3192	hud	N	N		PluggedWF
-1	4.11E+08	Lloyd	222	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3179	-119.2641	GPS	N	Y		PluggedWF
-1	4.11E+08	Taylor	223	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31746	-119.3292	GPS	N	N		PluggedMulti
-1	4.11E+08	Lloyd	223	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3161	-119.26	GPS	N	Y		PluggedWF
-1	4.11E+08	Taylor	224	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31335	-119.3067	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	224	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31758	-119.2661	Operator	N	Y		PluggedOG
-1	4.11E+08	Lloyd	225	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31972	-119.2662	Operator	N	Y	6/1/1970	PluggedOG
-1	4.11E+08	Taylor	225	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31471	-119.3287	GPS	N	N		PluggedINJ
-1	4.11E+08	Taylor	228	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32177	-119.3078	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	229	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3177	-119.2617	hud	N	Y		PluggedOG
-1	4.11E+08	Gosnell	23	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31705	-119.2872	hud	N	N		PluggedOG
-1	4.11E+08	Hartmann	23	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32238	-119.2869	Operator	N	N		PluggedOG
-1	4.11E+08	Taylor	23	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31687	-119.313	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	232	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31591	-119.3043	hud	N	N	1/5/1946	PluggedOG
-1	4.11E+08	Taylor	234	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31334	-119.2973	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	237	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31519	-119.306	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	238	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30918	-119.3054	GPS	N	N		PluggedWS
-1	4.11E+08	RBU Taylor	24	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31413	-119.2961	GPS	N	N		PluggedOG
-1	4.11E+08	Hartman E	24	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32106	-119.2723	GPS	N	N		PluggedOG
-1	4.11E+08	Edison	24	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31403	-119.2927	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	241	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3218	-119.2958	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	242	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32133	-119.3034	Well Summ	N	Y	10/6/1946	PluggedOG
-1	4.11E+08	Taylor	243	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3199	-119.3117	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	244	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32116	-119.3089	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	246	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31849	-119.3137	GPS	N	Y		PluggedMulti
-1	4.11E+08	Taylor	248	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32022	-119.3146	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	249	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31987	-119.2957	Operator	N	N	12/6/1946	PluggedOG
-1	4.11E+08	RBU Taylor	25	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31399	-119.2972	hud	N	N		PluggedOG
-1	4.11E+08	V.L. & W.	25	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32006	-119.251	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	253	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31549	-119.3039	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	255	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31534	-119.3114	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	257	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31538	-119.3015	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	258	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31358	-119.306	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	259	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31416	-119.3023	hud	N	N		PluggedOG
-1	4.11E+08	RBU Taylor	26	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31247	-119.2964	Operator	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	26	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31381	-119.2905	Well Summ	N	N	2/14/1928	PluggedMulti
-1	4.11E+08	Taylor	262	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31878	-119.3155	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	263	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32018	-119.3158	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	264	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32286	-119.2959	GPS	N	N	8/1/1947	PluggedOG
-1	4.11E+08	Taylor	266	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32145	-119.305	GPS	N	N		PluggedMulti
-1	4.11E+08	RBU Taylor	27	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31171	-119.2968	hud	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	27	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.312	-119.2916	Well Summ	N	N	9/20/1927	PluggedOG
-1	4.11E+08	Lloyd	27	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31285	-119.2775	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	271	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31459	-119.2964	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	272	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3121	-119.2974	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	273	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3113	-119.2997	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	274	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32029	-119.3057	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	275	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31296	-119.3045	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	277	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3115	-119.3089	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	278	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31144	-119.3252	Well Summ	N	N	7/8/1948	PluggedOG
-1	4.11E+08	Taylor	279	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31131	-119.3274	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	28	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3133	-119.2896	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	28	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31895	-119.2505	hud	N	N		PluggedOG
-1	4.11E+08	RBU Taylor	28	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31239	-119.2972	Operator	N	N		PluggedOG
-1	4.11E+08	Edison	28	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32036	-119.293	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	281	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31041	-119.3117	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	283	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31287	-119.309	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	284	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31006	-119.3081	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	285	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31605	-119.3181	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	287	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31985	-119.3179	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	288	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31963	-119.3194	Operator	N	N		PluggedINJ
-1	4.11E+08	Taylor	289	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32084	-119.3106	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	293	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31793	-119.3188	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	296	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31843	-119.3181	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	2A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31898	-119.2851	hud	N	N	7/3/1926	PluggedOG
-1	4.11E+08	Hartman Ea	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31985	-119.2844	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31829	-119.289	hud	N	N	6/28/1920	PluggedOG
-1	4.11E+08	McGonigle	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32188	-119.2558	hud	N	N		PluggedOG
-1	4.11E+08	RBU Willet	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3114	-119.2935	GPS	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3154	-119.292	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31684	-119.2971	hud	N	N		PluggedOG
-1	4.11E+08	Notten	3	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31621	-119.2871	GPS	N	N		PluggedOG
-1	4.11E+08	Gosnell	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31718	-119.2867	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31842	-119.2829	hud	N	N		PluggedOG
-1	4.11E+08	Fraser	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32279	-119.2818	hud	N	N		PluggedOG
-1	4.11E+08	V.L. & W.	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32049	-119.2544	GPS	N	N	11/21/1927	PluggedOG
-1	4.11E+08	RBU Foster	3	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30931	-119.2949	Well Summ	N	Y	4/1/1928	PluggedOG
-1	4.11E+08	Well No.	1-Mar	Plugged	OG	Oil & Gas	4777	Joseph B. D	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31833	-119.296	hud	N	N		PluggedOG
-1	4.11E+08	Sprague	1-Mar	Plugged	OG	Oil & Gas	G2900	Great Basir	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32627	-119.2933	hud	N	N	6/19/1950	PluggedOG
-1	4.11E+08	Lloyd Sextc	20-Mar	Plugged	DH	Dry Hole	M3500	MCOR Oil a	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32044	-119.2048	hud	N	N		PluggedDH
-1	4.11E+08	Barnard	3-A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31823	-119.2886	hud	N	N		PluggedOG
-1	4.11E+08	McGonigle	3-A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32188	-119.2558	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	30	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32048	-119.2872	Operator	N	N	12/23/1951	PluggedMulti
-1	4.11E+08	RBU Taylor	30	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31057	-119.2974	hud	N	N		PluggedMulti
-1	4.11E+08	Gosnell	30	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3112	-119.2921	hud	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	30	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31657	-119.2926	GPS	N	N		PluggedOG
-1	4.11E+08	McGonigle	30	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32197	-119.2585	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	30	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3193	-119.2436	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	300	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31595	-119.273	GPS	N	Y		PluggedWF
-1	4.11E+08	Taylor	301	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31829	-119.3195	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	303	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31828	-119.3223	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	304	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31771	-119.3244	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	305	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31643	-119.3027	Operator	N	N	7/7/1949	PluggedOG
-1	4.11E+08	Taylor	306	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31639	-119.3011	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	307	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31693	-119.2999	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	308	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31736	-119.2975	Operator	N	N		PluggedOG
-1	4.11E+08	Lloyd	31	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31698	-119.2852	hud	N	N		PluggedOG
-1	4.11E+08	Hartman Ea	31	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32176	-119.2729	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	31	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31939	-119.2425	hud	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	31	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31287	-119.2851	GPS	N	N	11/8/1928	PluggedOG
-1	4.11E+08	Taylor	31	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31006	-119.2977	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	311	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32415	-119.2965	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	312	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32493	-119.2969	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	314	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32338	-119.2977	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	318	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32162	-119.3233	hud	N	N		PluggedWF
-1	4.11E+08	Lloyd	32	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31762	-119.2836	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	32	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3137	-119.2864	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	321	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32287	-119.3001	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	323	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32505	-119.2993	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	328	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31562	-119.3039	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	33	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3129	-119.2833	hud	N	N	3/23/1929	PluggedOG
-1	4.11E+08	Hartman Ea	33	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32183	-119.2816	GPS	N	N	8/31/1947	PluggedOG
-1	4.11E+08	Taylor	33	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31086	-119.2983	Well Summ	N	N	11/27/1928	PluggedOG
-1	4.11E+08	Taylor	332	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32225	-119.301	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	334	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3232	-119.3055	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	338	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32139	-119.309	hud	N	N		PluggedWF
-1	4.11E+08	RBU Edisor	34	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32086	-119.2919	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	340	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32285	-119.3052	GPS	N	N		PluggedINJ
-1	4.11E+08	Taylor	341	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32271	-119.3049	GPS	N	Y		PluggedWF
-1	4.11E+08	Taylor	342	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32309	-119.3052	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	349	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31828	-119.3063	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	35	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.30956	-119.2979	GPS	N	N		PluggedOG
-1	4.11E+08	Edison	35	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32172	-119.2935	GPS	N	N	11/27/1939	PluggedOG
-1	4.11E+08	Taylor	355	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31578	-119.3084	GPS	N	N		PluggedOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	36	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31014	-119.2988	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	36	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31981	-119.2691	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	362	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3232	-119.3056	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	364	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31977	-119.3192	GPS	N	N		PluggedMulti
-1	4.11E+08	Edison	37	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32062	-119.2914	GPS	N	N		PluggedOG
-1	4.11E+08	Hartman E	37	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31968	-119.284	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	37	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31754	-119.2856	GPS	N	N	9/4/1926	PluggedOG
-1	4.11E+08	Gosnell	37	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31716	-119.2896	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	37	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31912	-119.2468	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	37	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.3239	-119.2382	hud	N	N		PluggedMulti
-1	4.11E+08	Taylor	373	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32211	-119.3111	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	376	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31014	-119.3038	hud	N	N		PluggedWS
-1	4.11E+08	Taylor	377	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31017	-119.3131	hud	N	Y		PluggedWF
-1	4.11E+08	Gosnell	38	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31676	-119.2869	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	38	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31789	-119.2751	GPS	N	N	6/20/1926	PluggedOG
-1	4.11E+08	Taylor	38	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3125	-119.2988	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	380	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31458	-119.3207	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	381	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31482	-119.3208	hud	N	N		PluggedMulti
-1	4.11E+08	Taylor	385	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32236	-119.3265	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	389	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32318	-119.3206	hud	N	N		PluggedWF
-1	4.11E+08	V. L. & W.	39	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31953	-119.2403	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	39	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31507	-119.2973	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	39	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31768	-119.2736	hud	N	N		PluggedOG
-1	4.11E+08	Edison	39	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32174	-119.2911	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	391	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32313	-119.3244	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	396	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32432	-119.3135	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	4	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31685	-119.2998	hud	N	N		PluggedOG
-1	4.11E+08	Notten	4	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3163	-119.2881	GPS	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	4	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31673	-119.2917	Operator	N	N	3/19/1925	PluggedOG
-1	4.11E+08	RBU Willet	4	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31111	-119.2943	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	4	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31735	-119.2885	hud	N	N		PluggedOG
-1	4.11E+08	V.L. & W.	4	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31969	-119.2559	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	4	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31757	-119.2856	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	40	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31504	-119.267	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	40	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31494	-119.2985	hud	N	N		PluggedWS
-1	4.11E+08	Lloyd	400	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.30804	-119.2733	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	404	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31783	-119.3174	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	406	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31494	-119.3254	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	41	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31495	-119.2998	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	41	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31796	-119.2693	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	412	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31456	-119.3287	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	414	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32151	-119.3235	hud	N	Y		PluggedOG
-1	4.11E+08	McGonigle	42	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3218	-119.2646	GPS	N	Y	4/26/1958	PluggedWF
-1	4.11E+08	RBU Gosne	42	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31697	-119.2867	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	427	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32217	-119.3342	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	429	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32246	-119.3267	hud	N	N		PluggedWF
-1	4.11E+08	V.L. & W.	43	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32075	-119.2521	GPS	N	N		PluggedWF
-1	4.11E+08	RBU Gosne	43	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31477	-119.2884	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	437	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31949	-119.3348	GPS	N	N	5/23/1953	PluggedOG
-1	4.11E+08	Lloyd	44	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31837	-119.285	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	44	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31165	-119.2994	hud	N	Y		PluggedOG
-1	4.11E+08	McGonigle	44	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32409	-119.2629	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	45	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31602	-119.2751	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	45	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31496	-119.3104	hud	N	Y		PluggedOG
-1	4.11E+08	McGonigle	45	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32313	-119.2562	Operator	N	N		PluggedWF
-1	4.11E+08	McGonigle	46	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32218	-119.2658	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	46	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31898	-119.2949	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	461	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.31949	-119.3025	GPS	N	N	12/28/1953	PluggedOG
-1	4.11E+08	Taylor	466	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32269	-119.3292	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	467	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32145	-119.3322	Well Summ	N	Y	3/4/2020	PluggedOG
-1	4.11E+08	Taylor	469	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31705	-119.3321	GPS	N	Y		PluggedOG
-1	4.11E+08	McGonigle	47	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32227	-119.2591	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	47	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31495	-119.3011	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	471	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32372	-119.3207	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	474	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32143	-119.3351	GPS	N	Y		PluggedWF

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	477	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3222	-119.3204	GPS	N	Y		PluggedWF
-1	4.11E+08	Lloyd	48	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.31952	-119.2738	GPS	N	N	6/5/1929	PluggedOG
-1	4.11E+08	RBU Edisor	48	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3158	-119.2931	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	481	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32043	-119.3242	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	486	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32232	-119.3197	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	49	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31685	-119.3011	hud	N	N		PluggedOG
-1	4.11E+08	RBU Gosne	49	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31737	-119.2882	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	490	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32359	-119.3228	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	493	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32364	-119.3231	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	495	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32362	-119.3304	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	498	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32132	-119.3256	GPS	N	Y		PluggedMulti
-1	4.11E+08	Taylor	499	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32272	-119.324	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	4A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31757	-119.2854	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	4A	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31793	-119.2868	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31816	-119.2877	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31684	-119.2985	hud	N	N		PluggedOG
-1	4.11E+08	Willett	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31121	-119.2925	hud	N	N	7/15/1928	PluggedOG
-1	4.11E+08	Citrus	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32076	-119.2906	GPS	N	N	10/30/1941	PluggedOG
-1	4.11E+08	Gosnell	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31611	-119.2861	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Struc	5	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.30885	-119.2746	hud	N	N	7/31/1952	PluggedDH
-1	4.11E+08	Notten	5	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31577	-119.2878	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31655	-119.285	hud	N	N		PluggedOG
-1	4.11E+08	Edison	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31611	-119.2926	Well Summ	N	N	7/1/1926	PluggedOG
-1	4.11E+08	V. L. & W.	5	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.3186	-119.2558	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	5-A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31807	-119.2874	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	50	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31766	-119.2517	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	50	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31501	-119.3024	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	50	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31604	-119.2824	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	501	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.3238	-119.3333	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	503	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32426	-119.3137	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	508	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31636	-119.3263	GPS	N	Y		PluggedOG
-1	4.11E+08	Edison	51	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32322	-119.2936	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	51	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31401	-119.3018	GPS	N	N	8/26/1929	PluggedWF
-1	4.11E+08	Lloyd	51	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31357	-119.2826	GPS	N	N		PluggedOG
-1	4.11E+08	McGonigle	51	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32217	-119.2659	Operator	N	Y	3/25/2009	PluggedWF
-1	4.11E+08	Taylor	514	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31211	-119.326	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	517	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32269	-119.3146	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	52	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3121	-119.3031	Operator	N	N		PluggedOG
-1	4.11E+08	Lloyd	52	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31436	-119.2817	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	520	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32265	-119.3181	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	523	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31289	-119.3204	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	524	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31435	-119.315	GPS	N	N		PluggedINJ
-1	4.11E+08	Taylor	525	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31258	-119.3245	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	528	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.31983	-119.3324	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	53	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31305	-119.3011	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	533	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32979	-119.3256	hud	N	Y		PluggedINJ
-1	4.11E+08	Lloyd	54	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31664	-119.274	GPS	N	N	3/15/1928	PluggedOG
-1	4.11E+08	Taylor	54	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31299	-119.3024	hud	N	N		PluggedOG
-1	4.11E+08	Edison	54	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32375	-119.2938	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	544	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31408	-119.3221	GPS	N	Y		PluggedMulti
-1	4.11E+08	Lloyd	55	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31988	-119.2676	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	55	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31401	-119.3031	GPS	N	N	1/30/1930	PluggedOG
-1	4.11E+08	Hartman E	55	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32093	-119.2752	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	553	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31208	-119.31	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	554	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32262	-119.3049	GPS	N	N		PluggedWF
-1	4.11E+08	Lloyd	56	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31726	-119.2724	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	56	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31495	-119.3038	hud	N	N		PluggedOG
-1	4.11E+08	Edison	56	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3249	-119.294	GPS	N	N	7/7/1950	PluggedOG
-1	4.11E+08	Taylor	561	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.3225	-119.3062	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	564	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32399	-119.3149	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	568	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30862	-119.3121	GPS	N	Y		PluggedWS
-1	4.11E+08	Taylor	569	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31199	-119.3033	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	56R	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31492	-119.3039	GPS	N	N		PluggedWF
-1	4.11E+08	V. L. & W.	57	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32011	-119.2426	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	57	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31591	-119.3057	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Lloyd	57	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31836	-119.2725	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	571	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32062	-119.3106	GPS	N	Y	7/29/1960	PluggedINJ
-1	4.11E+08	Taylor	576	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31279	-119.3044	GPS	N	Y		PluggedWF
-1	4.11E+08	Taylor	577	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31046	-119.3084	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	578	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31072	-119.3145	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	579	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32115	-119.3111	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	58	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31877	-119.3064	GPS	N	N		PluggedMulti
-1	4.11E+08	Edison	58	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31635	-119.2918	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	58	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31628	-119.2812	GPS	N	N	1/13/1929	PluggedOG
-1	4.11E+08	Hartman E	58	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32064	-119.2738	Operator	N	Y	8/25/1971	PluggedWF
-1	4.11E+08	Taylor	583	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31083	-119.3101	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	584	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32189	-119.3077	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	586	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31105	-119.305	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	588	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31413	-119.3041	Well Summ	N	Y	3/19/1961	PluggedOG
-1	4.11E+08	Taylor	589	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31656	-119.2981	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	59	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31453	-119.2803	GPS	N	N	12/19/1929	PluggedOG
-1	4.11E+08	Taylor	59	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31687	-119.3117	Well Summ	N	N	6/1/1930	PluggedOG
-1	4.11E+08	Hartman E	59	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32228	-119.2733	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	592	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31219	-119.307	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	594	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32436	-119.3176	Well Summ	N	Y	1/17/1962	PluggedOG
-1	4.11E+08	Taylor	595	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31121	-119.305	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	599B	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31055	-119.3144	hud	N	N		PluggedINJ
-1	4.11E+08	Citrus	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32057	-119.2904	Well Summ	N	Y	8/25/1953	PluggedOG
-1	4.11E+08	Willett	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31908	-119.247	GPS	N	N	2/1/1929	PluggedOG
-1	4.11E+08	RBU Orton	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31129	-119.2963	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31845	-119.2849	hud	N	N		PluggedOG
-1	4.11E+08	McGonigle	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32106	-119.2673	GPS	N	N	8/20/1928	PluggedOG
-1	4.11E+08	Hartman E	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32035	-119.2794	Operator	N	Y	2/1/1927	PluggedOG
-1	4.11E+08	RBU Notte	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31586	-119.2897	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3159	-119.2978	hud	N	N		PluggedOG
-1	4.11E+08	Edison	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31705	-119.2909	hud	N	N		PluggedOG
-1	4.11E+08	Gosnell	6	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31546	-119.2851	hud	N	N		PluggedOG
-1	4.11E+08	Barnard	6	Plugged	OG	Oil & Gas	M6900	Mobil Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31872	-119.2864	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	60	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31782	-119.3137	hud	N	N		PluggedOG
-1	4.11E+08	Hartman E	60	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32204	-119.2788	GPS	N	Y	1/7/1973	PluggedOG
-1	4.11E+08	V. L. & W.	60	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	25	03N	23W	SB	34.31865	-119.2457	hud	N	N		PluggedMulti
-1	4.11E+08	Taylor	600B	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31047	-119.3144	Operator	N	Y		PluggedMulti
-1	4.11E+08	Taylor	601B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31292	-119.3084	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	602B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31194	-119.3071	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	603B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31568	-119.3041	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	604B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31545	-119.3049	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	606	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31808	-119.2974	hud	N	N	5/26/1963	PluggedOG
-1	4.11E+08	Taylor	609	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31046	-119.3136	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	61	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.31972	-119.3084	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	610	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31194	-119.307	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	615	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31316	-119.3015	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	616	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31285	-119.3026	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	617	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31824	-119.2958	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	618B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30849	-119.3119	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	619B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31133	-119.3075	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	62	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31701	-119.3065	hud	N	N		PluggedOG
-1	4.11E+08	Edison	62	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.3205	-119.2919	GPS	N	Y	7/21/1953	PluggedOG
-1	4.11E+08	Taylor	620B	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31406	-119.3031	GPS	N	N		PluggedMulti
-1	4.11E+08	Taylor	621	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31289	-119.3003	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	622	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32149	-119.3259	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	623B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3115	-119.3073	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	624-B	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31424	-119.303	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	626	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31506	-119.3113	Well Summ	N	Y	3/10/1967	PluggedOG
-1	4.11E+08	Taylor	627	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31515	-119.3113	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	629	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32184	-119.3312	hud	N	Y		PluggedINJ
-1	4.11E+08	Edison	63	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32245	-119.291	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	63	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31401	-119.3057	hud	N	Y		PluggedMulti
-1	4.11E+08	Lloyd	63	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31887	-119.2732	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	630	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30985	-119.3163	hud	N	Y		PluggedWF
-1	4.11E+08	Taylor	633	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3151	-119.3061	Operator	N	Y		PluggedOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Taylor	64	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31496	-119.308	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp.	64	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32066	-119.2165	hud	N	N		PluggedMulti
-1	4.11E+08	Taylor	641	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32376	-119.333	hud	N	Y		PluggedOG
-1	4.11E+08	Taylor	642	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32383	-119.3234	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	643	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31598	-119.2975	Operator	N	Y		PluggedWF
-1	4.11E+08	Taylor	646	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3151	-119.3017	hud	N	N		PluggedMulti
-1	4.11E+08	Taylor	647	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31434	-119.3126	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	648	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31716	-119.2965	GPS	N	Y		PluggedOG
-1	4.11E+08	Lloyd	65	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31427	-119.2775	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	65	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31701	-119.3186	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	650	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31588	-119.2995	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	652	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31674	-119.3001	Operator	N	N		PluggedOG
-1	4.11E+08	Taylor	66	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31488	-119.314	hud	N	N		PluggedOG
-1	4.11E+08	Hartman E	67	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32195	-119.2709	hud	N	Y		PluggedMulti
-1	4.11E+08	Taylor	67	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31233	-119.3056	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	68	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32063	-119.2955	hud	N	N		PluggedOG
-1	4.11E+08	RBU Edisor	7	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31588	-119.2944	GPS	N	N	5/3/1926	PluggedOG
-1	4.11E+08	V.L. & W.	7	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3208	-119.2528	Operator	N	N	2/28/1928	PluggedOG
-1	4.11E+08	RBU Notte	7	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31658	-119.2896	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	7	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31747	-119.2838	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp	7	Plugged	DH	Dry Hole	T3000	Tiger Oil Cc	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32116	-119.2018	hud	N	N		PluggedDH
-1	4.11E+08	Hartman E	7	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32138	-119.2695	GPS	N	N		PluggedOG
-1	4.11E+08	RBU Orton	7	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3113	-119.2955	Operator	N	N	12/29/1927	PluggedMulti
-1	4.11E+08	Gosnell	7	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31504	-119.2862	hud	N	N		PluggedOG
-1	4.11E+08	Louis Hartr	7	Plugged	OG	Oil & Gas	D1300	Decalta Int	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32261	-119.2849	hud	N	N	5/11/1941	PluggedOG
-1	4.11E+08	Taylor	7	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3159	-119.2991	GPS	N	N		PluggedWF
-1	4.11E+08	Louis Hartr	7-A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32233	-119.2848	hud	N	N	6/2/1941	PluggedOG
-1	4.11E+08	V.L. & W.	70	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3205	-119.2538	Operator	N	N		PluggedOG
-1	4.11E+08	Lloyd	72	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31488	-119.2749	Well Summ	N	N	11/5/1928	PluggedOG
-1	4.11E+08	Taylor	72	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31548	-119.3165	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	73	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31282	-119.3143	hud	N	Y		PluggedOG
-1	4.11E+08	Lloyd	73	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31557	-119.2739	GPS	N	N	10/28/1928	PluggedOG
-1	4.11E+08	V. L. & W.	73	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32145	-119.2398	hud	N	N		PluggedWF
-1	4.11E+08	V. L. & W.	74	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32133	-119.2468	hud	N	N	12/21/1947	PluggedWF
-1	4.11E+08	Taylor	75	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31598	-119.321	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	75	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31868	-119.2662	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	76	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31122	-119.3121	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	77	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31726	-119.2698	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	782	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31894	-119.3335	Operator	N	Y	1/16/2009	PluggedOG
-1	4.11E+08	Lloyd	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31578	-119.284	hud	N	N		PluggedOG
-1	4.11E+08	RBU Notte	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31634	-119.2886	GPS	N	N		PluggedOG
-1	4.11E+08	Hartman E	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32051	-119.2821	Well Summ	N	N	1/19/1930	PluggedOG
-1	4.11E+08	Barnard	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32024	-119.2862	Operator	N	N	8/24/1926	PluggedOG
-1	4.11E+08	V.L. & W.	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32051	-119.2555	GPS	N	Y		PluggedOG
-1	4.11E+08	McGonigle	8	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.3214	-119.2605	GPS	N	N		PluggedWF
-1	4.11E+08	Taylor	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.3159	-119.3018	GPS	N	N		PluggedOG
-1	4.11E+08	Gosnell	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31483	-119.2842	hud	N	N		PluggedOG
-1	4.11E+08	Hartman	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32415	-119.2883	hud	N	N		PluggedOG
-1	4.11E+08	RBU Orton	8	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31079	-119.2966	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	80	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31307	-119.3085	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	80	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31818	-119.2705	hud	N	N	7/15/1941	PluggedOG
-1	4.11E+08	Lloyd Corp	80	Plugged	OG	Oil & Gas	L2200	Lloyd Mana	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	22W	SB	34.31509	-119.2293	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	800	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32563	-119.3161	hud	N	Y		PluggedINJ
-1	4.11E+08	Taylor	801	Plugged	Multi	Multi-Purp	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31094	-119.3189	hud	N	Y		PluggedMulti
-1	4.11E+08	Taylor	803	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32603	-119.3202	hud	N	Y		PluggedINJ
-1	4.11E+08	Taylor	805	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	23W	SB	34.32399	-119.3208	GPS	N	Y		PluggedOG
-1	4.11E+08	Taylor	809	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32414	-119.3144	hud	N	Y		PluggedINJ
-1	4.11E+08	Taylor	814	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30944	-119.3186	GPS	N	N		PluggedINJ
-1	4.11E+08	Taylor	82	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31279	-119.3113	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	83	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.3135	-119.3162	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	85	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31722	-119.3155	hud	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	87	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	26	03N	23W	SB	34.31873	-119.2516	hud	N	N		PluggedWF
-1	4.11E+08	Taylor	87	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31088	-119.3078	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	88	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31852	-119.3254	hud	N	N		PluggedOG
-1	4.11E+08	Fraser	88-14	Plugged	OG	Oil & Gas	U0200	Union Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	14	03N	23W	SB	34.32995	-119.2517	hud	N	N		PluggedOG

OID	API	LeaseName	WellNumb	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	Fraser	88-14A	Plugged	OG	Oil & Gas	U0200	Union Oil C	Ventura	Any Area	Ventura County	Northern	Ventura	14	03N	23W	SB	34.33028	-119.2517	Unknown	N	N		PluggedOG
-1	4.11E+08	Taylor	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31592	-119.3005	GPS	N	N		PluggedOG
-1	4.11E+08	RBU Orton	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31151	-119.2961	GPS	N	N		PluggedOG
-1	4.11E+08	RBU Notter	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31624	-119.2874	GPS	N	N		PluggedOG
-1	4.11E+08	Edison	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31701	-119.2928	hud	N	N		PluggedOG
-1	4.11E+08	Hartman E	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	22	03N	23W	SB	34.32094	-119.2732	GPS	N	N		PluggedOG
-1	4.11E+08	McGonigle	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.32173	-119.259	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31785	-119.2821	hud	N	N	5/15/1924	PluggedOG
-1	4.11E+08	RBU Gosne	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	28	03N	23W	SB	34.31509	-119.2885	hud	N	N		PluggedOG
-1	4.11E+08	Hartman	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32436	-119.2866	hud	N	N		PluggedOG
-1	4.11E+08	V.L. & W.	9	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	23	03N	23W	SB	34.31981	-119.2532	hud	N	N		PluggedOG
-1	4.11E+08	Taylor	90	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31488	-119.3256	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	91	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31623	-119.2712	GPS	N	N	6/1/1929	PluggedOG
-1	4.11E+08	Taylor	92	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	23W	SB	34.32069	-119.3046	GPS	N	N		PluggedOG
-1	4.11E+08	V. L. & W.	92	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.32001	-119.2426	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	93	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	19	03N	22W	SB	34.32351	-119.2282	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	93	Plugged	WF	Waterfloo	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31768	-119.3276	Operator	N	N		PluggedWF
-1	4.11E+08	V. L. & W.	93	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	24	03N	23W	SB	34.31992	-119.2414	GPS	N	N		PluggedOG
-1	4.11E+08	Lloyd	94	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.3187	-119.2713	GPS	N	N	3/9/1941	PluggedOG
-1	4.11E+08	Taylor	97	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	21	03N	23W	SB	34.32084	-119.2954	GPS	N	N		PluggedOG
-1	4.11E+08	Taylor	99	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31429	-119.31	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	9A	Plugged	OG	Oil & Gas	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31779	-119.282	GPS	N	N		PluggedOG
-1	4.11E+08	Injection W	A	Plugged	INJ	Injection	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.31462	-119.3088	hud	N	N		PluggedINJ
-1	4.11E+08	Taylor	S.W.S. 2	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	30	03N	23W	SB	34.31138	-119.3266	Well Summ	N	N	2/15/1977	PluggedWS
-1	4.11E+08	Lloyd Corp	W.S. 1	Plugged	OG	Oil & Gas	R4050	Royal Amer	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32419	-119.2076	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp	W.S. 2	Plugged	OG	Oil & Gas	R4050	Royal Amer	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32238	-119.2087	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp	W.S. 3	Plugged	OG	Oil & Gas	R4050	Royal Amer	Ventura	Any Area	Ventura County	Northern	Ventura	20	03N	22W	SB	34.32103	-119.2107	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	W.S. 5	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31249	-119.2692	Operator	N	N		PluggedWS
-1	4.11E+08	Lloyd Corp	W.S. 5	Plugged	OG	Oil & Gas	R4050	Royal Amer	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	22W	SB	34.31749	-119.2107	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd Corp	W.S. 6	Plugged	OG	Oil & Gas	R4050	Royal Amer	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	22W	SB	34.31879	-119.1983	hud	N	N		PluggedOG
-1	4.11E+08	Lloyd	W.S. 9	Plugged	WS	Water Sour	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	27	03N	23W	SB	34.31259	-119.2716	Operator	N	N		PluggedWS
-1	4.11E+08	Taylor	X-1	Plugged	DH	Dry Hole	A0610	Aera Energ	Ventura	Any Area	Ventura County	Northern	Ventura	29	03N	23W	SB	34.30986	-119.3096	hud	N	N		PluggedDH
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33216	-119.0583	GPS	N	N	10/12/1946	IdleOG
-1	4.11E+08	Lease by Ca	1	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32813	-119.0551	GPS	N	N	4/19/1946	IdleOG
-1	4.11E+08	Lease by Ca	12	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32589	-119.0626	GPS	N	Y	7/20/1952	IdleOG
-1	4.11E+08	C. & H.	13	Idle	WF	Waterfloo	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32502	-119.0627	Well Summ	N	N	1/4/1953	IdleWF
-1	4.11E+08	C. & H.	14	Idle	UNK	Unknown	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32399	-119.0602	hud	N	N	6/28/1953	IdleUNK
-1	4.11E+08	Lease by Ca	18	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32624	-119.0626	Notice of Ir	N	N	12/12/2012	IdleOG
-1	4.11E+08	Converse	2	Idle	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33059	-119.0597	Well Summ	N	N	1/3/1947	IdleOG
-1	4.11E+08	Lease by Ca	2	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33319	-119.0603	GPS	N	N	6/27/1936	IdleOG
-1	4.11E+08	Lease by Ca	3	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33195	-119.0529	GPS	N	N	4/22/1947	IdleOG
-1	4.11E+08	Converse	4	Idle	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32817	-119.0571	GPS	N	Y	9/11/1947	IdleOG
-1	4.11E+08	C. & H.	5	Idle	WF	Waterfloo	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32622	-119.0626	GPS	N	Y	9/3/1947	IdleWF
-1	4.11E+08	Converse	5	Idle	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32822	-119.0571	GPS	N	Y	11/6/1947	IdleOG
-1	4.11E+08	Lease by Ca	6	Idle	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32623	-119.0636	Notice of Ir	N	N		IdleOG
-1	4.11E+08	C. & H.	6	Idle	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32458	-119.0611	hud	N	Y	12/3/1947	IdleOG
-1	4.11E+08	C. & H.	7	Idle	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.3246	-119.061	hud	N	Y	2/3/1948	IdleOG
-1	4.11E+08	C. & H.	8	Idle	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32457	-119.0609	hud	N	Y	4/28/1948	IdleOG
-1	4.11E+08	C. & H.	9	Idle	WF	Waterfloo	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32639	-119.0644	GPS	N	N	6/30/1948	IdleWF
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33024	-119.0507	hud	N	N	8/27/1947	ActiveOG
-1	4.11E+08	Lease by Ca	1	Active	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33214	-119.0594	GPS	N	N	9/12/1946	ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33208	-119.0553	GPS	N	N	2/9/1947	ActiveOG
-1	4.11E+08	Lease by Ca	2	Active	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.3321	-119.0571	GPS	N	N	11/10/1946	ActiveOG
-1	4.11E+08	Lease by Ca	4	Active	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33193	-119.0507	GPS	N	N	6/6/1947	ActiveOG
-1	4.11E+08	Lease by Ca	5	Active	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33348	-119.0545	GPS	N	N	7/19/1947	ActiveOG
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7958	South Slop	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32941	-119.048	hud	N	N		PluggedDH
-1	4.11E+08	Barnard	1	Plugged	DH	Dry Hole	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32246	-119.049	hud	N	N	4/7/1953	PluggedDH
-1	4.11E+08	Barnard	1	Plugged	DH	Dry Hole	S3100	Shell West	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32008	-119.0534	hud	N	Y	4/7/1962	PluggedDH
-1	4.11E+08	Lease by Ca	1	Plugged	OG	Oil & Gas	E0455	CalNRG Op	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33464	-119.0553	GPS	N	N	6/17/1946	PluggedOG
-1	4.11E+08	S.P.	1	Plugged	OG	Oil & Gas	5925	Mid-State I	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32656	-119.0552	hud	N	N	2/26/1947	PluggedOG
-1	4.11E+08	Well No.	1	Plugged	OG	Oil & Gas	D0575	George J. D	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33333	-119.0503	hud	N	Y	1/24/1978	PluggedOG
-1	4.11E+08	Mark Richa	1	Plugged	OG	Oil & Gas	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33186	-119.0443	hud	N	N	1/5/1965	PluggedOG
-1	4.11E+08	C. & H.	1	Plugged	WF	Waterfloo	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.32062	-119.0613	hud	N	N	5/5/1942	PluggedWF
-1	4.11E+08	Well No.	1	Plugged	DH	Dry Hole	7311	Ring Explor	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32807	-119.0521	hud	N	N	5/15/1922	PluggedDH
-1	4.11E+08	C. & H.	10	Plugged	OG	Oil & Gas	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32732	-119.0569	hud	N	N	11/18/1948	PluggedOG

OID	API	LeaseName	WellNumbe	WellStatus	WellType	WellTypeLa	OperatorCo	OperatorNa	FieldName	AreaName	Place	District	CountyName	Section	Township	Range	BaseMeridi	Latitude	Longitude	GISSource	isConfiden	isDirectio	SpudDate	WellSymbol
-1	4.11E+08	C. & H.	15	Plugged	OG	Oil & Gas	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	22	03N	21W	SB	34.33009	-119.0607	hud	N	N	10/31/1956	PluggedOG
-1	4.11E+08	C. & H.	2	Plugged	OG	Oil & Gas	S4565	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32654	-119.0572	hud	N	N	8/28/1946	PluggedOG
-1	4.11E+08	Well No.	2	Plugged	DH	Dry Hole	7958	South Slop	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32943	-119.0489	hud	N	N	8/15/1923	PluggedDH
-1	4.11E+08	Converse	3	Plugged	OG	Oil & Gas	S4567	South Fork	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.3303	-119.0529	GPS	N	N	7/22/1947	PluggedOG
-1	4.11E+08	C. & H.	3	Plugged	OG	Oil & Gas	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32648	-119.0591	hud	N	N	12/14/1946	PluggedOG
-1	4.11E+08	C. & H.	4	Plugged	OG	Oil & Gas	P3875	Freeport-M	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32641	-119.0591	hud	N	Y	6/7/1947	PluggedOG
-1	4.11E+08	Henderson	63	Plugged	DH	Dry Hole	N0250	G. R. Nanc	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33018	-119.0485	hud	N	N	11/10/1956	PluggedDH
-1	4.11E+08	Henderson T-1		Plugged	DH	Dry Hole	9339	Wm. M. Th	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.33021	-119.051	hud	N	N	4/5/1954	PluggedDH
-1	4.11E+08	Henderson T-2		Plugged	DH	Dry Hole	9339	Wm. M. Th	West Mountain	Any Area	Ventura County	Northern	Ventura	23	03N	21W	SB	34.32933	-119.0481	hud	N	N	5/19/1954	PluggedDH

HAYNES BOONE

Oil Patch Bankruptcy Monitor

January 31, 2022

OIL PATCH BANKRUPTCY MONITOR – FINAL REPORT

Haynes Boone has monitored North American oil and gas producer Chapter 11 bankruptcies since 2015. This is our final report, which covers new cases filed during 2021. Over the past seven years, there have been 274 oil and gas producer bankruptcies. In the same period, 330 oilfield services and midstream companies have filed for bankruptcy, bringing the combined North American industry total to more than 600 industry bankruptcies involving over $321 billion in secured and unsecured debt.

When we began our report in early 2015, it was clear that our industry was about to enter rough seas facing stiff head winds. OPEC had declared its intention to take back market share from the prolific U.S. shale producers over Thanksgiving weekend in 2014, and prices were dropping precipitously as 2015 began. We expected to see some bankruptcy activity for a while and began to track bankruptcy filings by producers and oilfield services companies. We never expected to see so many bankruptcies for so long.

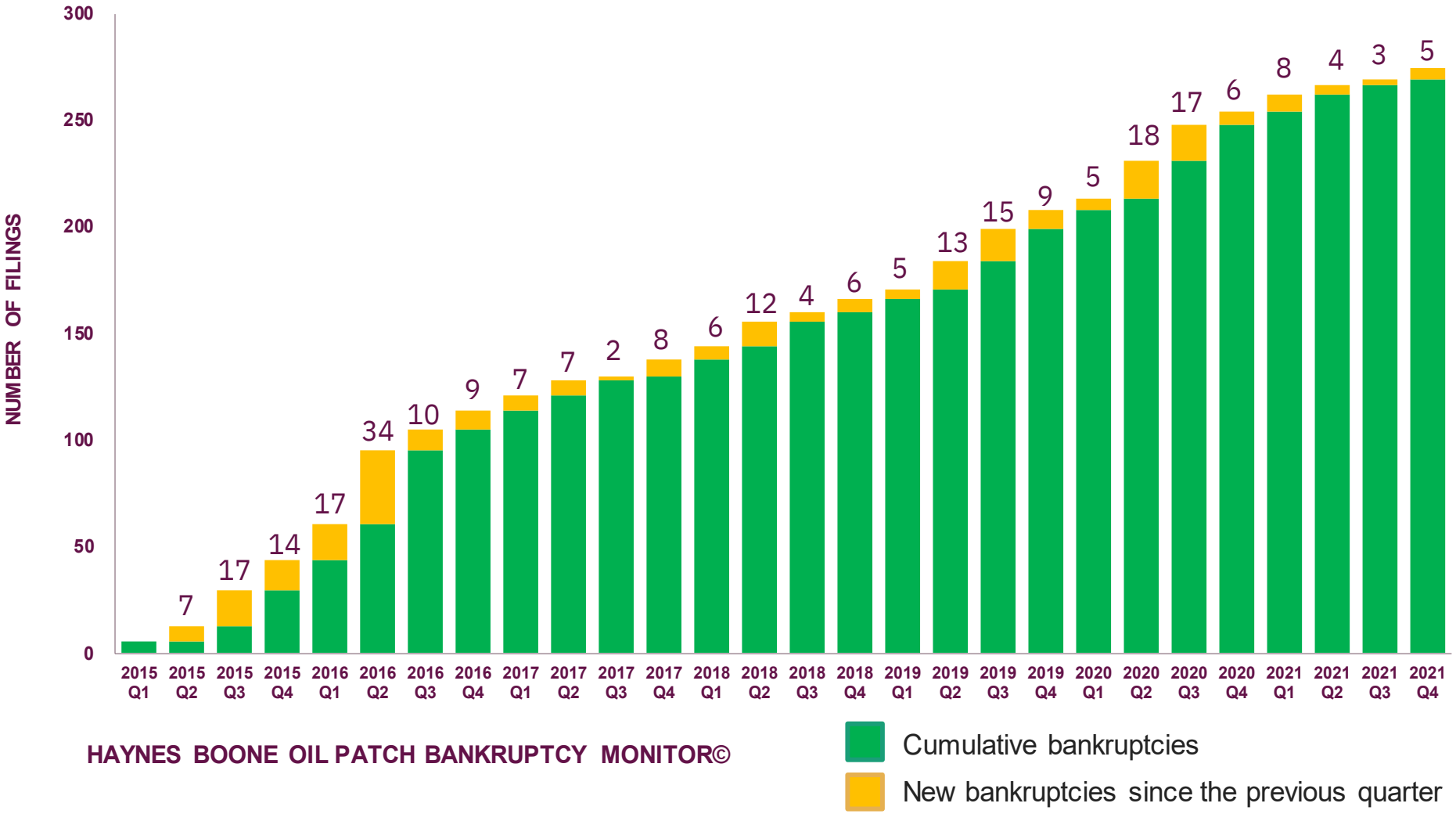
Our cumulative charts that follow show the ebb and flow of bankruptcy filings (more ebb than flow) over the last seven years. Most telling is the chart showing aggregate debt by quarter over 2015-2021. In 2021 there was "only" $2.1 billion in total debt, the lowest amount since we began tracking such data – evidence that the tide has turned.

While there will continue to be bankruptcies in the oil patch, the tidal wave triggered by the price correction that began in late 2014 is over. Haynes Boone will continue to closely monitor all trends in the industry and publish our semi-annual Borrowing Base Redeterminations Survey and Energy Bank Price Deck Survey, but, for now, this is our final Oil Patch Bankruptcy Monitor report.

KEY TAKEAWAYS:

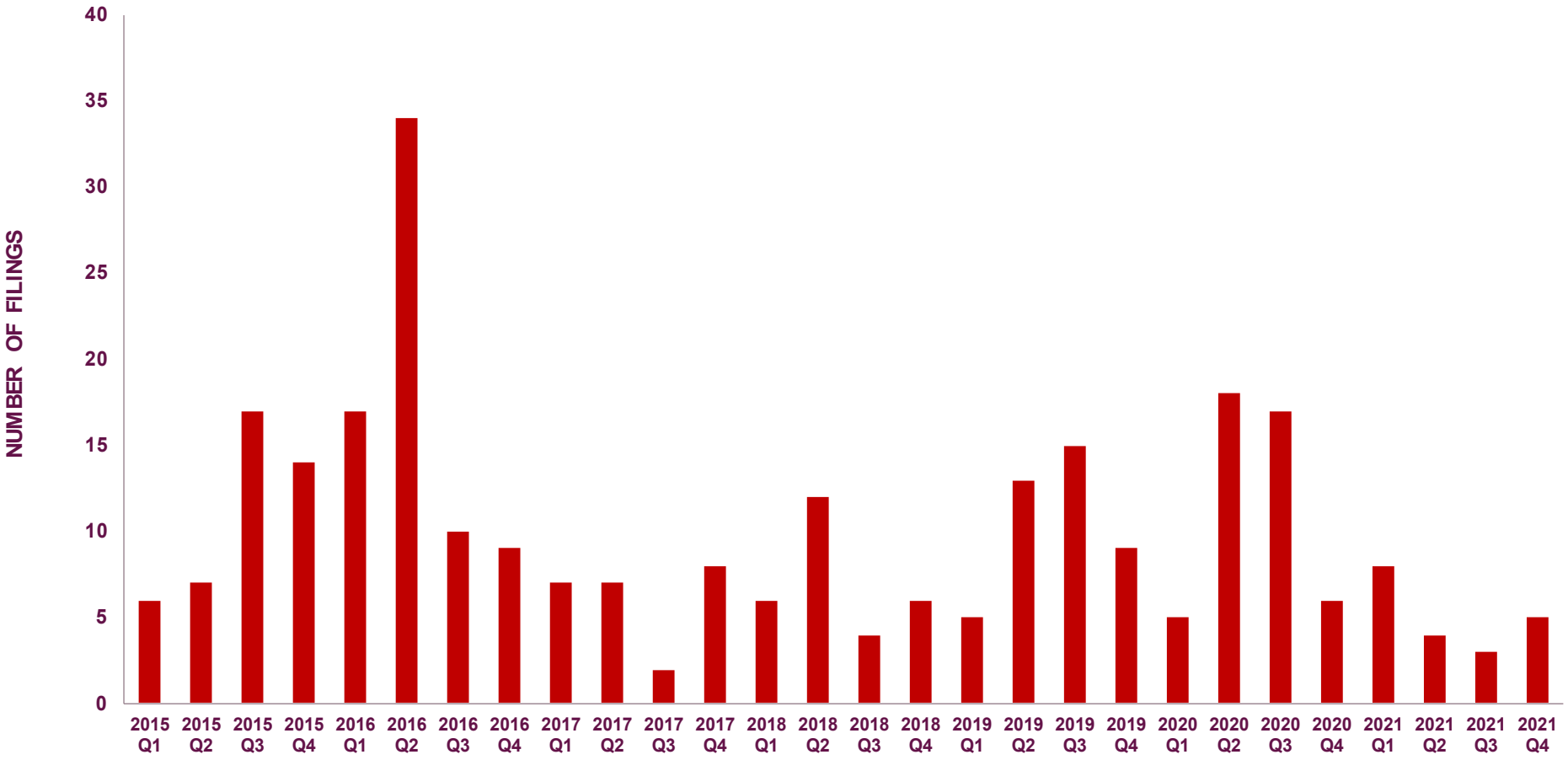
- Twenty oil and gas producers filed in 2021. The average per year is more than 39 cases filed.
- The aggregate debt for producers that filed in 2021 is $2.1 billion – the lowest yearly total since $8.5 billion in 2017.
- The peak year for cases filed was in 2016, which included 70 cases.
- Texas accounted for nearly half of the total producer filings in 2021.

2015-2021 CUMULATIVE NORTH AMERICAN E&P BANKRUPTCY FILINGS



(As of December 31, 2021)

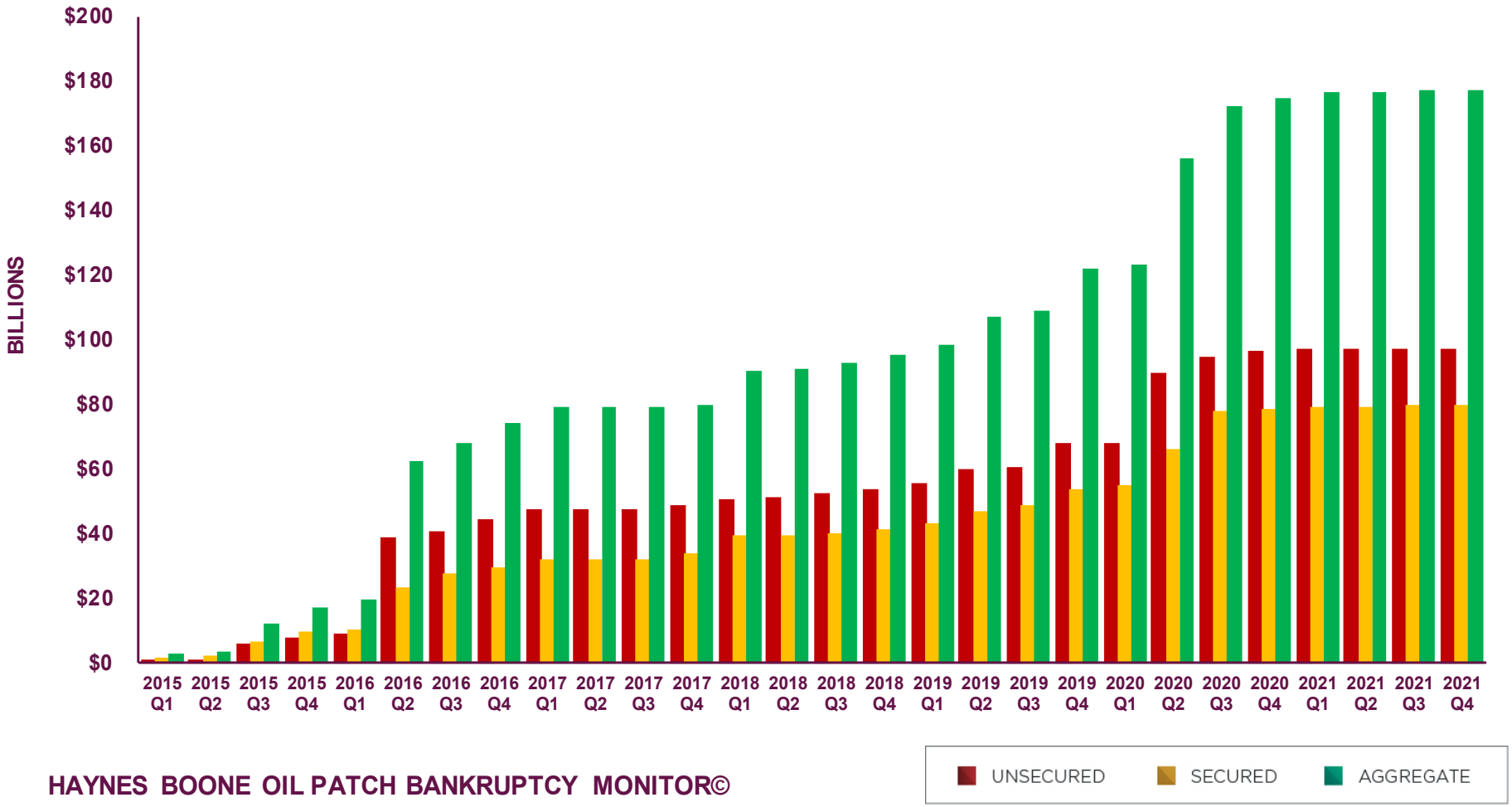
2015-2021 NORTH AMERICAN E&P BANKRUPTCY FILINGS BY QUARTER



HAYNES BOONE OIL PATCH BANKRUPTCY MONITOR©

(As of December 31, 2021)

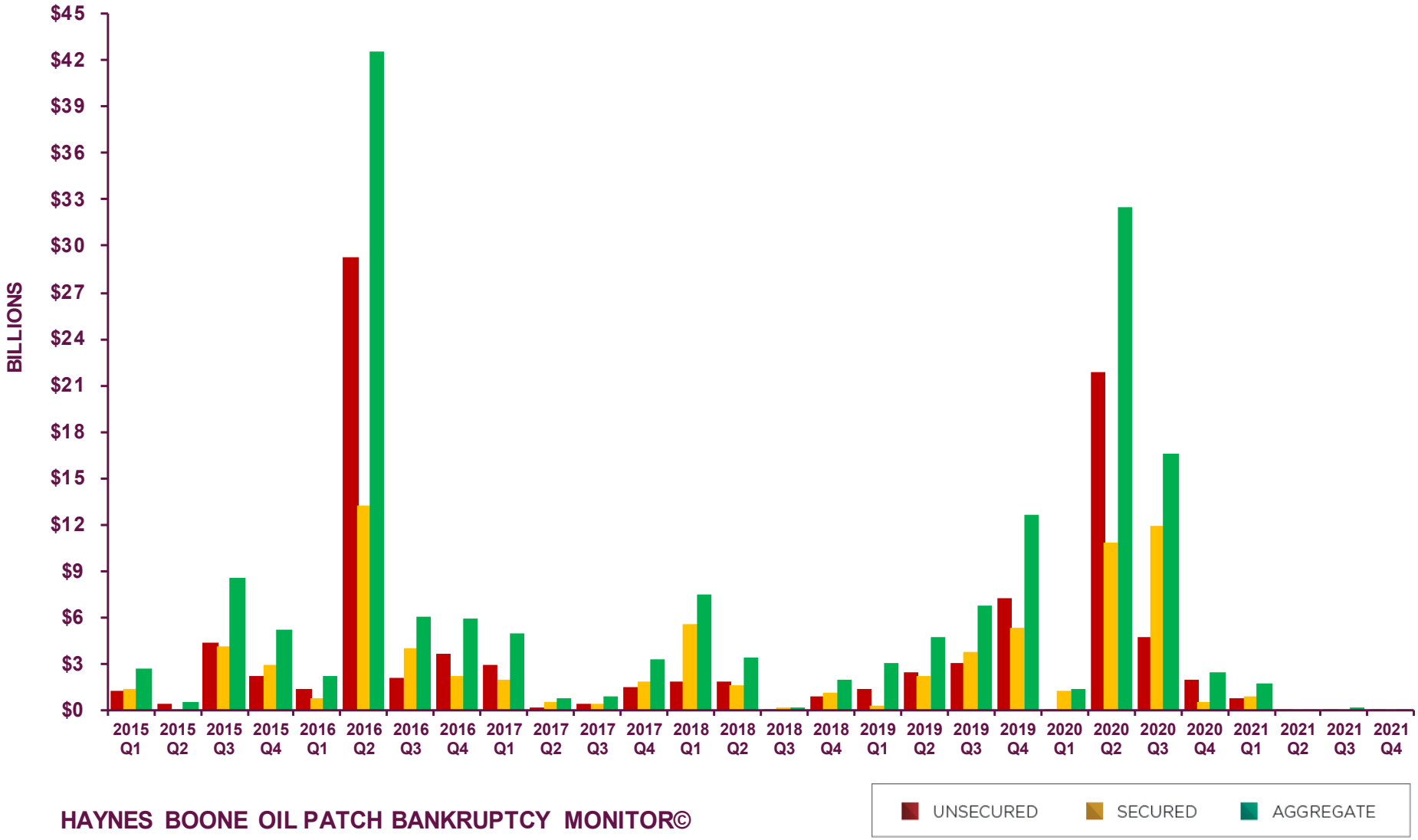
2015-2021 CUMULATIVE E&P UNSECURED DEBT, SECURED DEBT AND AGGREGATE DEBT



HAYNES BOONE OIL PATCH BANKRUPTCY MONITOR©

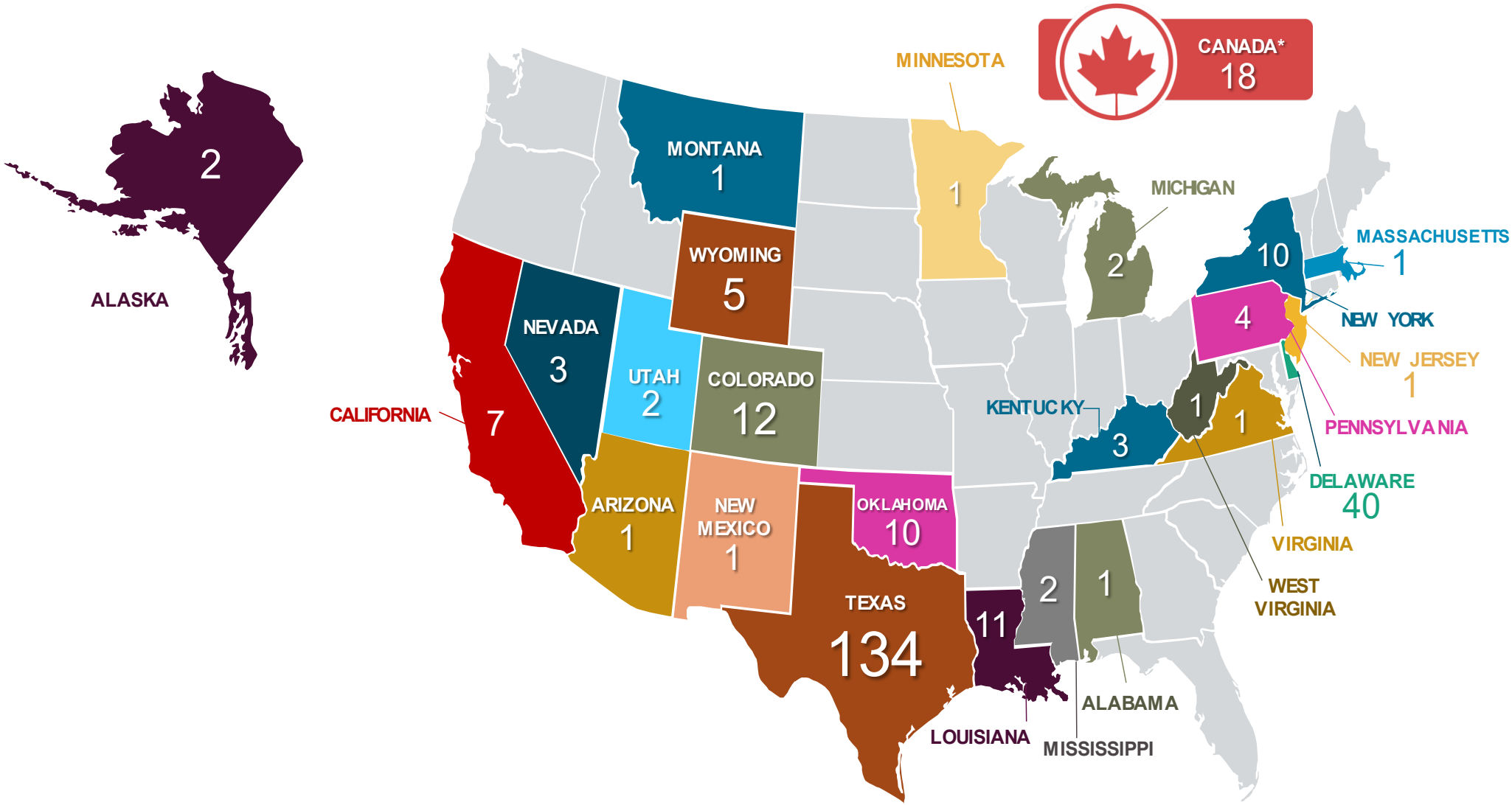
(As of December 31, 2021)

2015-2021 E&P UNSECURED DEBT, SECURED DEBT AND AGGREGATE DEBT BY QUARTER



(As of December 31, 2021)

2015-2021 E&P BANKRUPTCY FILINGS BY LOCATION

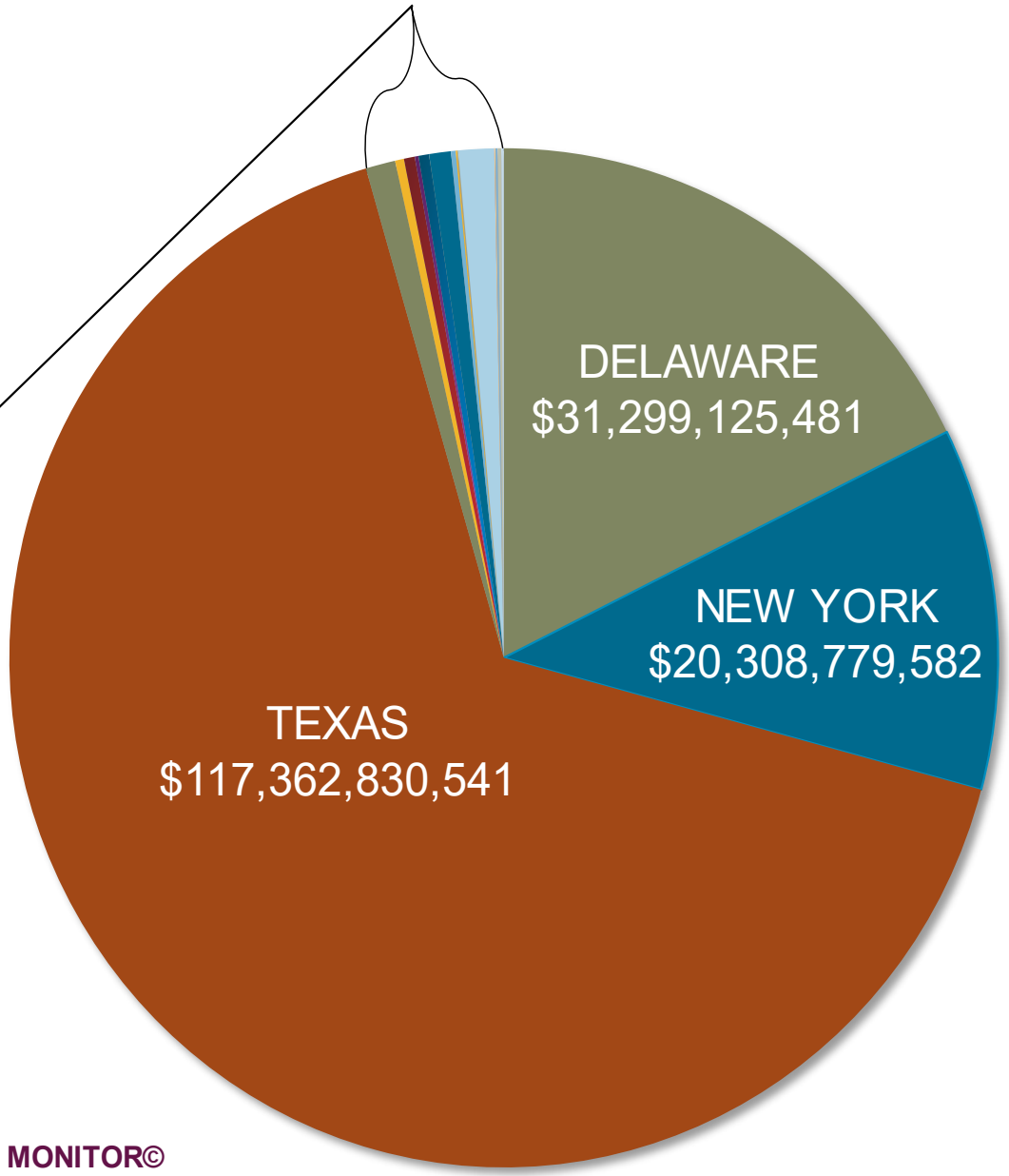


HAYNES BOONE OIL PATCH BANKRUPTCY MONITOR©

*Canada is not tracked post-2016.
((As of December 31, 2021)

2015-2021 E&P SECURED AND UNSECURED DEBT BY FILING LOCATION

ALABAMA $212,726	MISSISSIPPI $205,816,567
ALASKA $217,158,133	MONTANA $83,726,167
ARIZONA $3,699,213	NEVADA $8,921,455
CALIFORNIA $137,635,084	NEW JERSEY $1,024,566
CANADA* $1,710,380,228	NEW MEXICO $1,286,649
COLORADO $513,110,275	OKLAHOMA $608,908,858
KENTUCKY $15,381,247	PENNSYLVANIA $2,061,600,923
LOUISIANA $628,628,399	UTAH $274,640,449
MASSACHUSETTS $3,578,276	VIRGINIA $1,250,928,395
MICHIGAN $51,129,723	WEST VIRGINIA $40,865,611
MINNESOTA $1,233,733	WYOMING $137,222,010



HAYNES BOONE OIL PATCH BANKRUPTCY MONITOR©

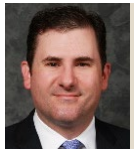
(As of December 31, 2021)

LIST OF NORTH AMERICAN OIL AND GAS PRODUCER BANKRUPTCIES
2021 BANKRUPTCIES, January – December

FILING DATE	COURT	CASE NUMBER	DEBTOR	SECURED	UNSECURED	TOTAL
02/26/2021	S.D. Tex.	21-30710	CASTEX ENERGY 2005 HOLDCO, LLC ~	$ 199,585,956	$ 6,163,525	$ 205,749,481
03/05/2021	W.D. Tex.	21-70028	JVA OPERATING COMPANY, INC. ~	$ 661,856	$ 2,562,712	$ 3,224,568
03/09/2021	S.D. Tex.	21-30882	SUNDANCE ENERGY INC. ~*	$ 399,947,000	$ 30,210,000	$ 430,157,000
03/14/2021	D. Del.	21-10565	HIGHPOINT RESOURCES CORPORATION ~*	$ 140,000,000	$ 765,000,000	$ 905,000,000
03/15/2021	D. Del.	21-10570	NINE POINT ENERGY HOLDINGS, INC. ~	$ 204,546,994	$ 14,198,311	$ 218,745,305
03/24/2021	D. Wyo.	21-20101	RAWHIDE RESOURCES, LLC	$ -	$ -	$ -
03/24/2021	D. Wyo.	21-20102	JUSTICE OIL & GAS, LLC	$ -	$ -	$ -
03/26/2021	E.D. Tex.	21-60115	MIKEN OIL, INC	$ 3,431,026	$ 1,848,117	$ 5,279,143
04/05/2021	W.D. Ok.	21-10840	DORCHESTER RESOURCES, L.P.	$ 22,008,428	$ 7,807,031	$ 29,815,459
04/23/2021	S.D. Tex.	21-60036	ANGLO-DUTCH ENERGY, LLC	$ 209,000	$ 6,819,045	$ 7,028,045
04/28/2021	N.D. Tex.	21-41010	THUNDERBIRD OIL & GAS, LLC ~	$ 168	$ 590,721	$ 590,889
04/30/2021	N.D. Tex.	21-41079	LAKEWOOD ENERGY SOLUTIONS, LLC	$ 750,000	$ -	$ 750,000
09/17/2021	S.D. Miss.	21-01515	TENRGYS, LLC ~	$ 70,000,000	$ 122,327,458	$ 192,327,458
09/17/2021	D. Nev.	21-50659	WESTSTAR EXPLORATION COMPANY	$ -	$ 1,367,147	$ 1,367,147
09/21/2021	W.D. Pa.	21-22080	ROCKDALE MARCELLUS, LLC ~	$ 19,537,509	$ 10,571,513	$ 30,109,022
10/05/2021	D. Nev.	21-14823	FORTEM RESOURCES, INC.	$ -	$ 6,511,633	$ 6,511,633
10/15/2021	N.D. Tex.	21-42440	ALAMO BORDEN COUNTY 1, LLC	$ 10,864,165	$ 2,413,277	$ 13,277,442
11/07/2021	W.D. Pa.	21-22406	ABARTA OIL & GAS CO., LLC *	$ 7,200,000	$ 14,500,000	$ 21,700,000
11/24/2021	D. Wyo.	21-20484	CUDA ENERGY INC. ~*	$ 13,679,877	$ -	$ 13,679,877
12/03/2021	S.D. Tex.	21-33859	TABULA RASA PARTNERS, LLC	$ 20,949,029	$ 1,596,250	$ 22,545,279
TOTAL 2015				**$ 9,428,934,657**	**$ 7,948,644,822**	**$ 17,377,579,479**
TOTAL 2016				**$ 20,381,058,466**	**$ 36,458,841,062**	**$ 56,839,899,528**
TOTAL 2017				**$ 4,028,066,757**	**$ 4,515,455,884**	**$ 8,543,522,641**
TOTAL 2018				**$ 8,467,115,402**	**$ 4,688,644,031**	**$ 13,155,759,433**
TOTAL 2019				**$ 11,654,278,568**	**$ 14,113,409,087**	**$ 25,767,687,655**
TOTAL 2020				**$ 24,489,394,300**	**$ 28,646,123,507**	**$ 53,135,517,807**
TOTAL 2021				**$ 1,113,371,008**	**$ 994,486,740**	**$ 2,107,857,748**
TOTAL 2015-2021				**$ 79,562,219,158**	**$ 97,365,605,133**	**$176,927,824,291**

*Debt information estimated from declarations or other filings; schedules not yet available.
~Lead case – estimate includes affiliate(s); debt may be duplicative to a certain extent.
(As of December 31, 2021)

PRIMARY CONTACTS
RESTRUCTURING



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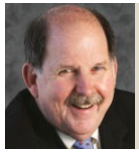

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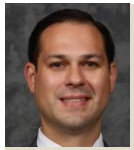

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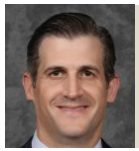

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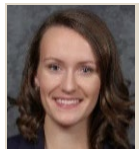

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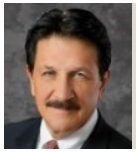

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U.S. Energy Information Administration

PETROLEUM & OTHER LIQUIDS

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- Crude Oil Production

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California Field Production of Crude Oil

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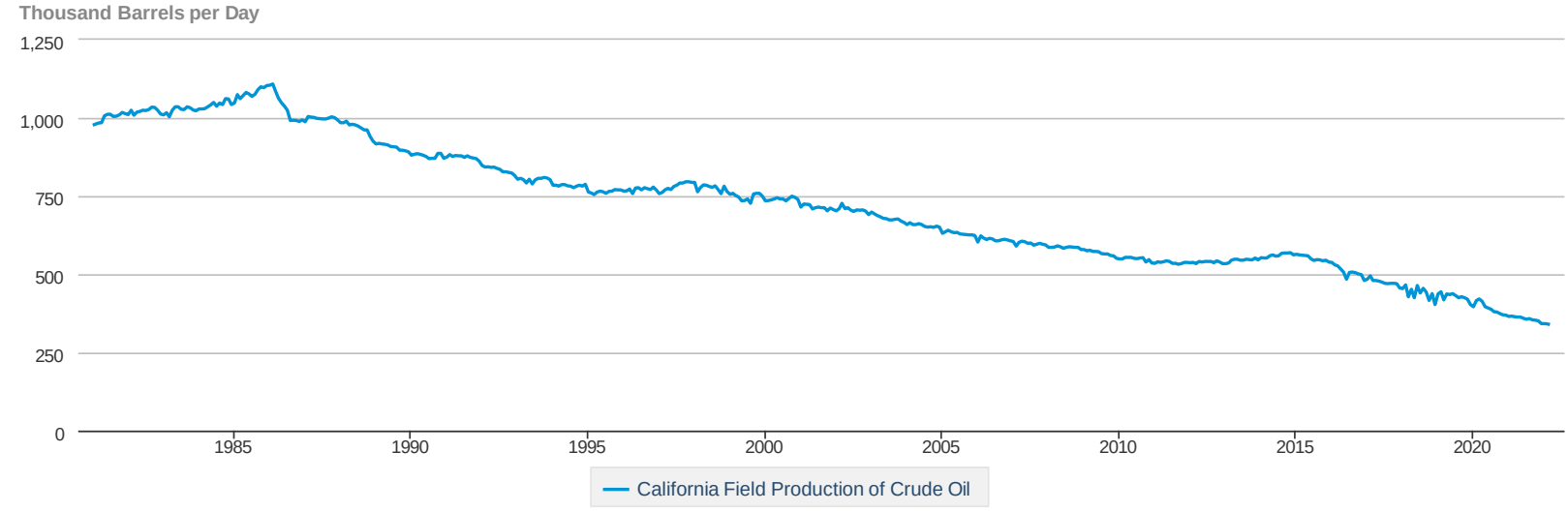

Source: U.S. Energy Information Administration

Chart Tools

no analysis applied

This series is available through the EIA open data API and can be downloaded to Excel or embedded as an interactive chart or map on your website.

California Field Production of Crude Oil (Thousand Barrels per Day)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	977	981	984	985	1,007	1,012	1,012	1,005	1,006	1,010	1,018	1,014
1982	1,011	1,025	1,009	1,019	1,021	1,025	1,024	1,027	1,035	1,034	1,025	1,013
1983	1,010	1,017	1,004	1,025	1,036	1,036	1,028	1,027	1,036	1,033	1,026	1,023
1984	1,029	1,029	1,030	1,036	1,042	1,050	1,038	1,048	1,043	1,062	1,061	1,043
1985	1,048	1,075	1,062	1,072	1,082	1,077	1,069	1,076	1,091	1,100	1,097	1,104
1986	1,105	1,109	1,086	1,063	1,049	1,038	1,025	992	993	992	989	994
1987	988	1,005	1,003	1,002	999	998	997	997	1,000	1,004	1,001	994
1988	985	985	990	978	980	978	974	968	962	962	941	926
1989	917	919	917	916	914	909	908	907	897	897	895	892
1990	881	884	886	884	881	877	870	871	871	887	887	871
1991	875	883	877	880	879	879	874	879	874	872	870	862
1992	848	843	844	842	843	839	836	828	828	826	824	816
1993	804	807	803	792	804	789	802	807	807	810	808	803
1994	785	785	782	787	787	783	782	777	782	785	782	788
1995	763	760	755	763	766	764	759	765	766	771	770	770
1996	766	767	773	758	776	777	770	777	774	771	779	770
1997	758	762	770	775	771	781	785	792	792	796	796	794
1998	794	764	777	786	785	781	778	783	771	758	782	765
1999	756	759	752	747	735	736	741	727	757	759	759	750
2000	735	736	738	741	745	741	741	735	743	750	746	740
2001	715	725	724	723	709	713	715	713	713	703	712	707

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002	703	710	727	710	713	705	701	706	705	706	702	691
2003	699	693	688	684	679	678	674	674	676	677	670	666
2004	659	665	659	659	662	659	653	651	652	650	654	651
2005	631	636	641	636	633	634	629	628	627	626	626	624
2006	603	623	616	611	615	613	607	607	610	612	610	607
2007	605	590	602	606	604	599	600	593	596	599	596	594
2008	586	586	587	591	588	583	586	588	587	586	586	579
2009	579	575	577	573	573	572	566	565	565	560	559	551
2010	549	549	554	554	554	551	550	552	553	539	547	536
2011	535	540	538	540	543	541	535	535	532	534	538	538
2012	537	538	534	541	539	541	541	541	537	543	539	534
2013	534	536	545	548	548	545	545	548	547	546	552	546
2014	553	552	552	559	562	558	559	567	568	568	569	562
2015	564	562	561	560	559	549	544	547	546	543	545	539
2016	538	530	527	517	507	484	506	507	505	501	499	480
2017	484	495	480	480	478	475	471	470	471	471	470	456
2018	454	466	428	452	425	464	440	455	443	416	438	403
2019	437	444	418	437	435	438	432	425	428	425	420	403
2020	396	416	421	413	396	392	388	380	379	374	370	369
2021	365	366	364	363	363	359	356	358	354	353	351	342
2022	342	341	339									

- = No Data Reported; -- = Not Applicable; NA = Not Available; W = Withheld to avoid disclosure of individual company data.

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Referring Pages:

- Crude Oil Production

Oil bankruptcies leave environmental cleanup bills to California taxpayers

Randeep Singh Grewal built a fossil fuel empire around his Greka group of companies. Now, taxpayers are paying millions to clean up Rincon Island.

Mark Olalde Ventura County Star
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The future of Rincon Island

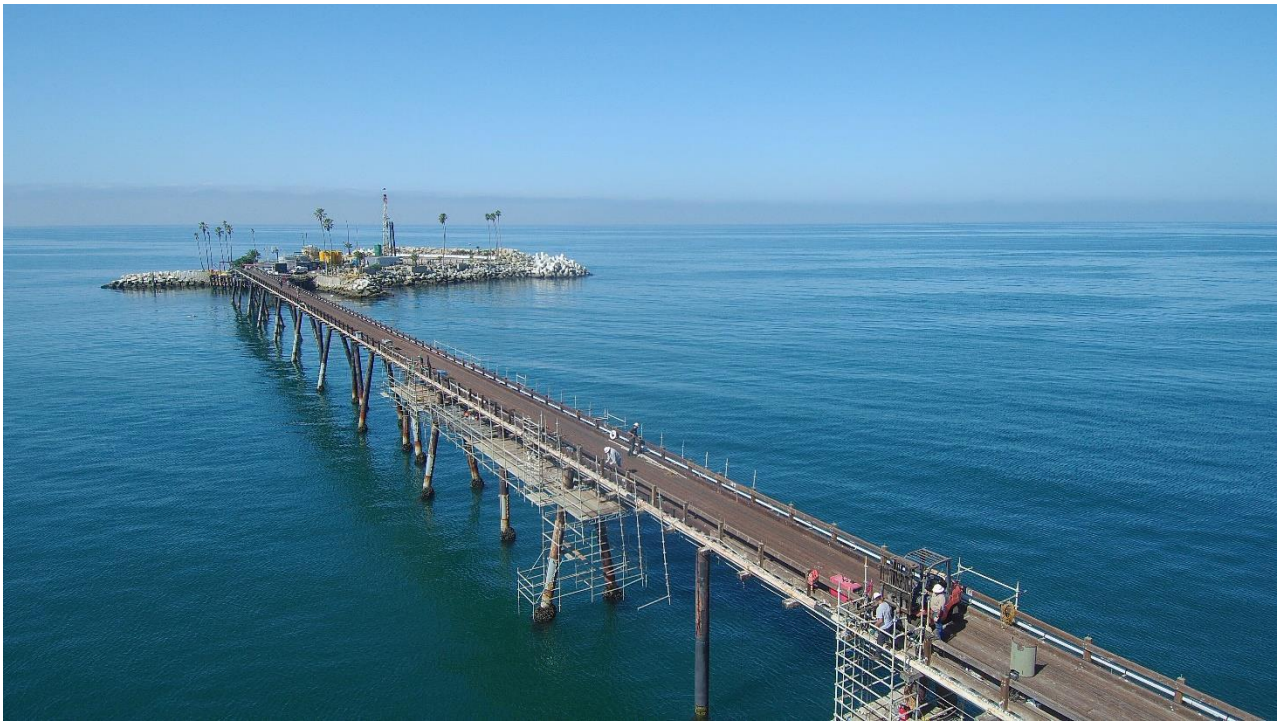
The California State Lands Commission is tasked with plugging and abandoning Greka's old oil wells on Rincon Island off the coast of Mussel Shoals.

Oil shaped modern Southern California. With dreams of black gold and not content to merely drill on land, a company called Atlantic Richfield built a 2.3-acre artificial island in

the late 1950s just off the coast of Ventura County. Today, surfers skim past Rincon Island, a crown of palm trees and 50 oil wells near Mussel Shoals — but the site will never pump oil again.

Over the years, production on Rincon Island waxed and waned, the manmade polygon changing hands multiple times. A 2002 bankruptcy sale ultimately handed it off to Greka Energy Corp., which restarted production through a subsidiary called Rincon Island Limited Partnership (RILP).

But the boom years were drawing to a close. Rincon Island would erode, rust and fall into disrepair, eventually becoming a sign of the Golden State's declining oil industry — and a lesson in how taxpayers are on the hook for cleanup costs.



Rincon Island.CALIFORNIA STATE LANDS COMMISSION

Poor management, severe corrosion and a winter storm rendered the island's 3,000-foot pier and the attached oil pipeline unusable, and Greka pumped the final molecules of hydrocarbons off the island in 2008. Tensions grew as state officials cited RILP for myriad violations on issues ranging from fire hazards to worker safety.

"They were just not conducting basic maintenance out there," said Joe Fabel, a senior attorney with the California State Lands Commission. Finally, the commission told RILP it had 90 days to comply, or the state would consider terminating the company's leases on Aug. 9, 2016, forever removing the possibility of restarting production on the island.

One day before that deadline, RILP filed for bankruptcy in Texas with less than $28,000 in its bank account.

Rincon Island Limited Partnership let its infrastructure deteriorate, and California had to step in to clean it up.STATE LANDS COMMISSION

Since then, the state has been working to decommission Rincon Island and an associated oil field on the coast, plugging oil wells and tearing down infrastructure. Thanks to RILP's bankruptcy — and subsequent maneuvers by other entities within the Greka group of companies — taxpayers have had to foot $27 million of the $45 million cleanup cost so far. The state got several million from Greka and another former operator.

Another Greka oil business called HVI Cat Canyon was RILP's long-time general partner, but in 2019 it too filed for bankruptcy, this time in New York, and orphaned many of its wells.

"[Greka is a perennial bad actor in the state of California who walked off and left everything to the state,]" Seth Blackmon, chief counsel for the State Lands Commission, said of Rincon Island at a 2020 conference we cast state taxpayers here are covering that cost from the general fund."

But RILP and HVI Cat Canyon are just two of more than 260 oil and gas exploration and production companies that have filed for Chapter 11 bankruptcy in North America since 2015, according to law firm Haynes and Boone. Also among them was California Resources

Corp., one of the state's three major oil and gas producers. In Chapter 11 bankruptcies, companies try to restructure and resume operations, but some are ultimately converted to Chapter 7 bankruptcies where their businesses are liquidated.

Those roughly 260 bankrupt businesses combined to carry more than $175 billion in aggregate debt into the filings, most of it unsecured. In the Greka bankruptcies, court records reveal how some local companies that contracted with RILP and HVI Cat Canyon never got paid and how Switzerland-based UBS bank claims it is owed north of $100 million.

Workers plug and abandon oil wells associated with the Rincon Island Limited Partnership bankruptcy.STATE LANDS COMMISSION

More such bankruptcies are likely on the horizon, especially in the Golden State where a once-booming oil industry has been declining for decades. Older oil fields are tapped out, others contain low-quality crude and the state is looking to address climate change by shifting away from fossil fuels. Between 1985 and 2020, California's oil production fell 63% and its natural gas production fell 66%, according to the U.S. Energy Information Administration.

Many environmental activists and researchers, along with some lawmakers, say oil and gas producers use the bankruptcy code to shed environmental liabilities, leaving taxpayers in the lurch. Once wells become orphaned, the state must either pay to clean them up or leave them unplugged, risking leaks of oil, polluted water and climate-warming methane.

A 2020 report from the California Council on Science and Technology identified 5,540 wells across the state that had no viable operator and that could cost $500 million to clean up. The study noted an additional 69,425 "idled and marginal wells facing" the end of their useful lives.

Rincon Island is under construction in the 1950s.COURTESY OF THE SANTA CRUZ ISLAND FOUNDATION

Typically, oil and gas drillers would pay to clean these up via cash generated by new production, said Robert Schuwerk, a former assistant attorney general in New York who now runs the North American office of Carbon Tracker, a London-based think tank. "If that's coming to an end," he asked, "what's going to happen to these liabilities?"

A 'pioneer' with a global pedigree

The international businessman behind the constellation of Greka companies, Randeep Singh Grewal, calls himself "a pioneer in the oil and gas industry." He said he learned to respect the environment during his childhood in Zambia, where his father worked as a mining geologist.

“I grew up in the bush in Africa,” Grewal told The Desert Sun. “I am the closest person you'll meet in this industry to the environment, and what I can assure you – and I think you have that factually in my track record – there is not a single situation in which any allegation — quote — led to environmental harm in conclusion because there has been any. Ever.”

In this screenshot, Randeep Grewal appears on a Chinese state-run Xinhua News program.RANDEEP GREWAL'S YOUTUBE ACCOUNT

Grewal eventually came to California, where he attended the now-defunct Northrop University in Inglewood, a school founded to train aeronautical engineers and mechanics. According to various biographies he posted online and in corporate filings, Grewal spent a little more than a decade in management roles at airlines and an Israeli defense contractor before transitioning to oil and gas in 1997.

Although he now based in Hong Kong, Grewal, who is in his fifties, still owns a Santa Barbara County winery named in homage to himself: Cal Del Grevino, which is supposed to be an Italian play on “the Grewal family wines.”

In this screenshot, Randeep Grewal appears in a promotional video for his winery, Ca' Del Grevino.RANDEEP GREWAL'S YOUTUBE ACCOUNT

Grewal is adamant about his environmental bona fides, but county records document repeated issues with his companies. Between 2003 and 2007, for example, Greka Energy spilled more than 452,000 gallons of various substances, according to Santa Barbara County Fire Department data presented to the county board of supervisors in 2008. The company accounted for 82% of all oil field releases in the county during that period, although it owned just 55% of the wells there.

The 2008 report also showed that responding to calls at Greka facilities cost the fire department as much as $1.8 million over the preceding decade. At the time, the fire department said only 17% of Greka facilities that required permits under the fire code had them. In its response presentation, Greka said some of the county data was flawed.

HVI Cat Canyon — another Greka oil company that drilled in Santa Barbara County — had just as bad of a compliance history, according to a report about violations that was prepared by the county planning and development department and covered 2015 through 2018.

A pump jack sits idle and rusting in the Cat Canyon oil field, where Randeep Grewal's former company, HVI Cat Canyon, entered bankruptcy and left hundreds of oil wells idle.MARK OLALDE

In those four years, the fire department cited HVI Cat Canyon 392 times. The Santa Barbara County Air Pollution Control District handed the company 125 notices of violation for failing to maintain equipment, keep records, operate with a permit or monitor operations for emissions. The company also had 20 spills in those four years, leaking more than 5,500 gallons of crude oil and more than 1,500 gallons of produced water, a byproduct of drilling that can contain salts and chemicals.

Grewal said HVI Cat Canyon was producing heavy tar sands that were so viscous that the spilled product d i d s o a k i n t o the soil and could be picked up by hand and with shovels, meaning it d i d g e t ' i n t o waterways. He also said that a spill in late 2007 might have been caused by sabotage and was not his c o m p a f a u l t . ' s

Tomas Rebecchi, the Central Coast senior organizer for environmental group Food and Water Watch, said operators like Grewal navigate deftly around citations and other sanctions. " T h e o i l c o m p a n i e s , they know how to work around the l a w s e , s a i d . " I t h e long run, w e ' t h e o n e s picking up the c o s t s . "

Tomas Rebecchi, an organizer with environmental group Food and Water Watch, stands near an oil well owned by California Resources Corporation along the Central Coast.JUAN CARLO/THE STAR

A health scare and financial moves

Faced with accusations that his companies exploited bankruptcy to put these issues in the past, Grewal said he remembered it differently.

The beginning of the end of his fossil fuel empire dates back to 2007, when a severe blood clot cut off circulation through one of his legs. Grewal was told he had 90 days to live, and he set about restructuring his finances and wiping out debt so he could transfer his wealth to his family. He struck a $161.5 million deal with UBS, the bank, to wipe out debt in exchange for a cut of future oil sales from his California companies, including RILP and HVI Cat Canyon.

Grewal survived his near-death experience and said he eventually made "a decision in 2018 to essentially retire and exit globally extraction b u s i n e s s . He planned to accomplish this through bankruptcy, as the use of bankruptcy to sell companies — typically known as a 363 sale — is both legal and common.

In response to the state pressuring him to comply with rules and regulations, though, Grewal had already begun the process two years earlier when

RILP kicked off his string of bankruptcies in 2016. Then in 2019, HVI Cat Canyon filed for bankruptcy. G3 Exploration, his coalbed methane company drilling in China, followed suit, filing for liquidation later that year in the Cayman Islands.

Researchers who reviewed G r e w a l bankruptcies questioned whether he was looking for friendlier courts by filing these cases in jurisdictions far from where his companies operated. They also pointed to a complex web of subsidiaries linking G r e w a l various entities, perhaps as layers of shell companies to shield Grewal and other management from liability during the bankruptcies.

Rincon IslandCALIFORNIA STATE LANDS COMMISSION

Grewal said that his companies filed for bankruptcy protection where they were incorporated or where their creditors operated. He said he set up holding companies because it would make it easier to sell pre-packaged pieces of his companies through the bankruptcy process.

One of R I L P 's lawyers when the company filed for bankruptcy was Robert O ' B r i a n , a Los Angeles-based attorney. His law firm also represented HVI Cat Canyon. Two months after HVI Cat Canyon filed for bankruptcy in 2019, O ' B r i e n became national security advisor to then-President Donald Trump. He did not respond to requests for comment.

Grewal acknowledged that entering bankruptcy protection had the benefit of shielding his family from liability, something that simply selling the companies might not do, but he said his businesses had enough assets to pay every creditor in full. Much of what he counted as assets, however, was oil that was still in the ground and might never be economically recoverable.

Multiple creditors claim they were stiffed by Grewal's companies, and entities ranging from the state of California to UBS allege that they have unpaid debts and claims worth as much as several hundred million dollars.

Bob Grayson Jr., president of Rival Well Services, a Bakersfield-based oil field services company, did contract work for several Greka companies, where he said he ran into consistent difficulty getting paid. Court records show he lost more than $85,000 through the RILP bankruptcy alone.

"(Grewal) was always twisting things to make sure he got money and nobody else did," Grayson said. "Even though I was a secured creditor with a lien, it did not make any difference."

A surfer catches a wave near Rincon Island, just off the coast of Mussel Shoals. The state of California paid tens of millions of dollars to plug and abandon the island's oil wells after the operator, Rincon Island Limited Partnership, filed for bankruptcy protection.JUAN CARLO/THE STAR

Grewal said there was nothing strange about carrying trade debt into bankruptcy and that there was not enough cash flow at the time of the filing to pay everyone. But, he said, selling

company assets should yield enough money to pay back every creditor through the bankruptcy process, something that is yet to happen.

As for UBS, Grewal said the bank aggressively pushed its initial deal on him and earned many millions of dollars throughout the course of his company's operations.

A UBS spokesperson declined to comment on the record, but court records show UBS sued a Greka entity called Greka Integrated in October 2019 to recover funds. The bank claimed it was owed $100 million plus interest, fees and other costs. A federal judge dismissed Greka's claims in the case on multiple occasions, and in May ruled that UBS still needed to be paid.

"We are 100% comfortable with the truth and the facts, and we are also extremely confident that nobody can change the historical fact," Grewal said. "There can be a lot of allegations, there can be a lot of perceptions, there can be false pretenses, but you cannot change the truth and a historical fact."

Clark Williams-Derry, an energy finance analyst at the Institute for Energy Economics and Financial Analysis, an Ohio-based think tank, was critical of loopholes in the bankruptcy code.

"You borrow money at an exorbitant rate to run your company, you pay yourself with the money you borrowed and then you go bankrupt. That's how you become a millionaire," he said.

California spent tens of millions of dollars to clean up Rincon Island and other nearby oil wells, as there were concerns about leaking hydrocarbons and other environmental issues.STATE LANDS COMMISSION

The bankruptcy judge handling HVI Cat Canyon, Martin Barash, also raised questions about Grewal. According to a transcript from an October 2019 hearing, Barash said Grewal's testimony "was not at all persuasive" and "demonstrated a lack of candor."

Grewal, though, remained adamant that HVI Cat Canyon and RILP together were worth more than $250 million due to their oil reserves and insisted that an independent auditor had checked that number. He said it was the bankruptcy trustee — or perhaps the fault of UBS, the main secured creditor — that the remnants of his companies were sold for less than that sum in the bankruptcy.

Josh Macey, an assistant professor who researches bankruptcy law at the University of Chicago Law School, said such valuation disputes often arise in bankruptcy. "At the end of the day," Macey said, "if the assets were worth $250 million, then somebody would've bought them for $250 million."

If that had happened, more creditors like Grayson could've been paid. He believes Greka represents the worst of the oil industry.

"The always those others like cockroaches that scatter when the light is shined on them," Grayson said of Greka.

Environmental costs: 'Everyone's now opening their eyes'

David Zdunkewicz is the Texas lawyer who filed RILP's 2016 bankruptcy petition. He laid out a simple maxim of bankruptcy: "When there's no money, there's no money," he told The Desert Sun.

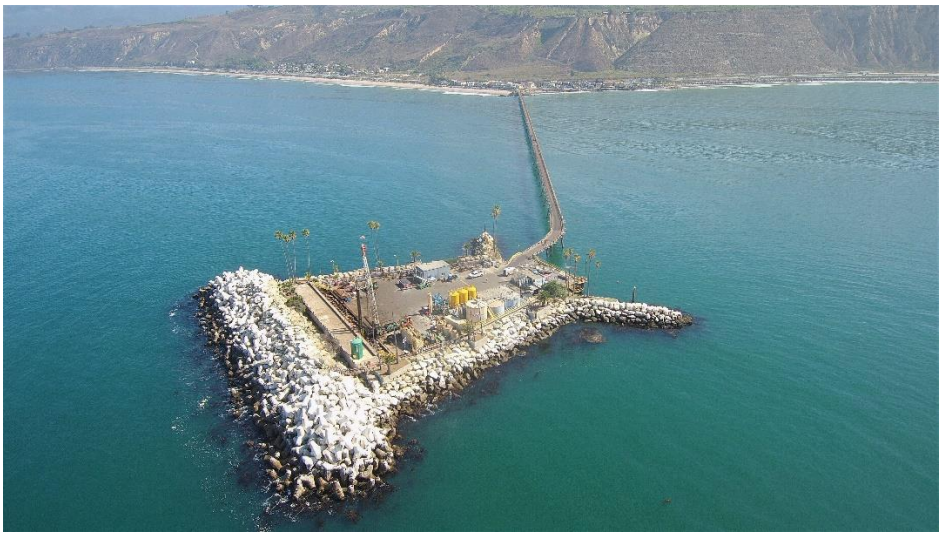
That means that, by the time a company enters bankruptcy, it's already too late for many creditors — often including government agencies responsible for environmental claims.

"It's much better to have the money before the bankruptcy than trying to get it during the bankruptcy," agreed Schuwerk from Carbon Tracker. "The creditors want the money and don't have an interest for the state to get it."

In the case of restructuring bankruptcies, environmental liabilities usually pass through the process unchanged. But when a company enters liquidation, all bets are off. To account for this, the federal government, states and cities can require oil and gas producers to put up money in advance in what's called a bond. Simply put, it's a security deposit. If operators

clean up after they done drilling, they get the money back. But, if they walk away and leave a mess, the government uses that money for reclamation.

The problem is these bonds are woefully inadequate, incentivizing companies to walk away.



Rincon Island sits 3,000 feet offshore of Mussel Shoals in the Pacific OceanCALIFORNIA STATE LANDS COMMISSION

The 2020 California Council on Science and Technology report found that California's onshore oil wells only had about $110 million in bonding with the state, even though the total cleanup bill was predicted to stretch into the billions.

Fabel of the State Lands Commission acknowledged that the government is only just coming to grips with the fact that it incorrectly calculated bonds for years. "Everyone's now opening their eyes to, 'Oh my, this is an $20 million removal. It may be a $200 million removal,' he said, of a hypothetical cleanup.

In the case of the Rincon Island bankruptcy, Fabel said the commission's priority was to quitclaim the leases — meaning the state would take control of them and get Greka off the island. That happened in December 2017.

A wave crashes near Rincon Island just off the coast from Mussel Shoals. California taxpayers were left holding the bag for environmental cleanup on the former oil island.JUAN CARLO/THE STAR

Through the bankruptcy, California did consider going after either Grewal himself or other Greka entities, but State Lands Commission staff saw that as a difficult proposition for several reasons. First, UBS had the largest secured claim; second, it would take more additional resources to investigate Greka's corporate structure; and third, long-time RILP's general partner and the obvious next target, [HVI Cat Canyon, itself filed for bankruptcy in 2019.]

So, taxpayers picked up the tab.

The first phase of decommissioning — making Rincon Island and the onshore leases safe, plugging the oil wells and tearing down infrastructure — cost $45 million. The state had $10 million in cleanup bonds from RILP and recovered $8 million from ARCO, the current iteration of original operator Atlantic Richfield. Still, California taxpayers have already paid $27 million.

It's unknown how much the next step will cost, but there's more money from RILP. The state still must remediate outstanding environmental concerns and repurpose the island. The final end-use is yet undetermined, but Fabel said a study found it could cost more than $8 million just to remove the causeway leading to the island, should that be required.

In addition to Rincon Island, the state oil regulator is in the process of collecting a single $1 million bond from HVI Cat Canyon to clean up some of its infrastructure.

Legislative action

Assemblymember Steve Bennett, D-Ventura, is working to reform bankruptcy law in California after oil wells were left to the state to clean up within the area he represents.JUAN CARLO/THE STAR

Several members of the California Legislature who have long histories with Rincon Island are now looking to reform oil and gas cleanup.

Assemblymember Steve Bennett, D-Ventura, was a Ventura County supervisor when RILP entered bankruptcy. "We're in a different world," he said. "We're in a world of more wells shutting down, and these wells being late in their life cycles with profits not being high, the companies are often smaller, not as capitalized and not as capable of handling the cleanup."

Bennett recalled that, when he was a county supervisor, issues would surface when there was a spill or when activists made enough noise, but "very rarely would it come up through government channels."

"As I look back on it now," he said, "I wish we had more proactive monitoring."

Bennett is now shepherding a bill, AB 896, to begin addressing bankruptcy loopholes. The piece of legislation, which is not opposed by the California Independent Petroleum Association, would allow the state's key oil regulator to impose a lien on idle well property if an operator does not pay its fees on time or if the state begins incurring costs to deal with it. Bennett said the bill would advance the state's place in line in the event of a bankruptcy, putting it on more equal footing with other creditors.

Larry Brown, an employee of Driltek, transports old equipment off Rincon Island near Mussel Shoals after the island's oil wells were plugged and abandoned.JUAN CARLO/THE STAR

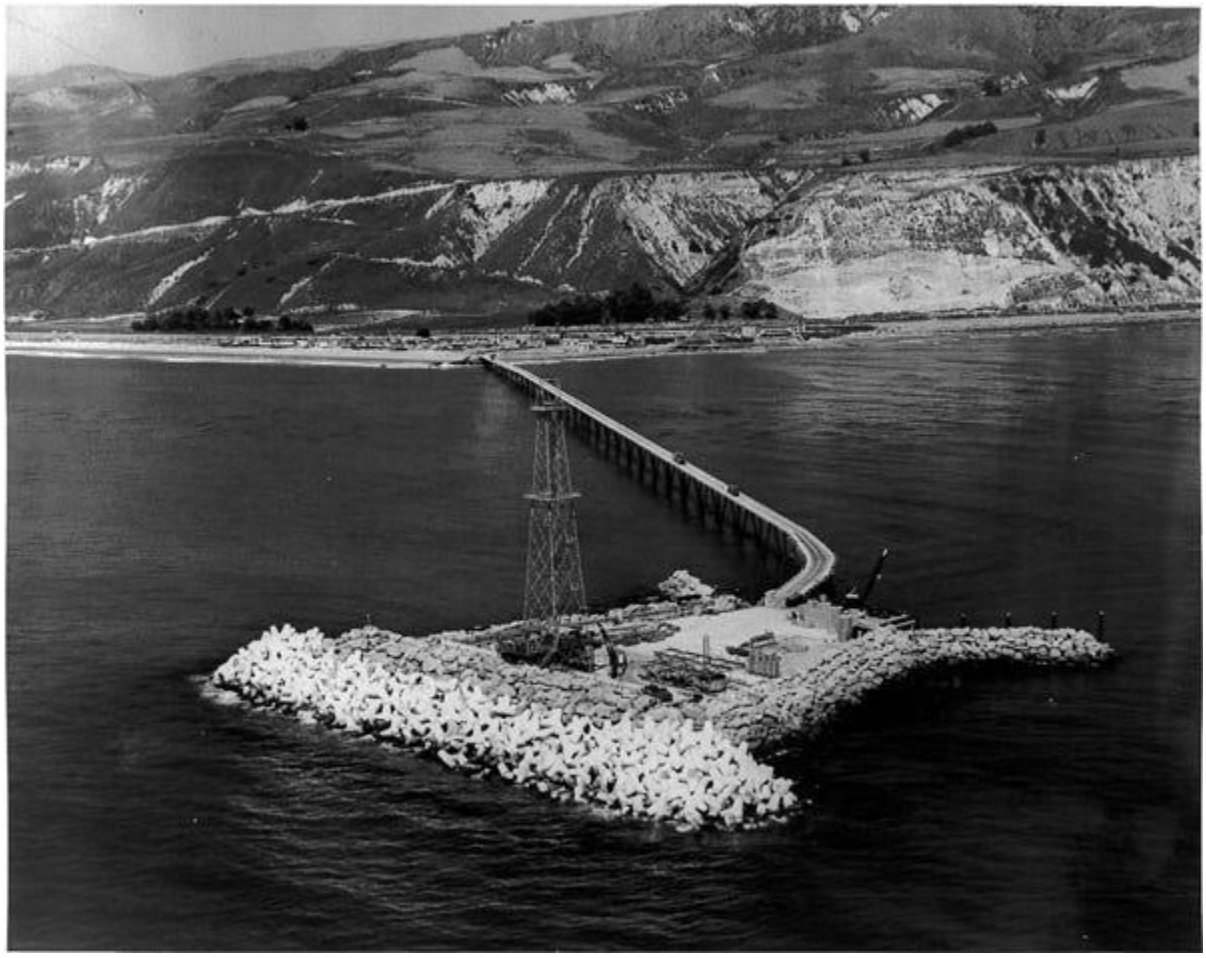
He's working alongside state Sen. Monique Limon, D-Santa Barbara, who said she's taken colleagues to Rincon Island to explain to them the need to address under-funded oil and gas cleanup. She's the author of SB 47, which would increase how much the money the state can spend annually cleaning up orphaned wells. Those funds would come from fees on industry.

In a May budget revision, Gov. Gavin Newsom proposed spending $200 million to plug wells. The state has a pot of money called the Hazardous and Idle-Deserted Well Abatement Fund that's paid into by industry and meant to fund some cleanup work, but last year, $10 million was taken from the then-$13 million fund to help balance COVID-19-related budget shortfalls.

"There's no doubt that there are companies that cause more concern than others and that are bad actors," Limon said. But, she added, oil and gas producers sticking California with the cleanup tab "absolutely is a systemic issue."

Judson Boomhower, an environmental economist and assistant professor at the University of California, San Diego, said end-of-life wells are more likely to be operated by small outfits that won't have much money once they enter bankruptcy protection.

"What's really different about polluting industries is the ability to avoid these big liabilities through bankruptcy creates a financial incentive to be less safe than a fully accountable firm would be," he said, meaning that often "oil companies can be a little more fast and loose."



Construction was completed on Rincon Island off the coast of Mussel Shoals in 1959.COURTESY OF THE SANTA CRUZ ISLAND FOUNDATION

A future after oil on Rincon?

Robert "Bob" Brunner has lived in Mussel Shoals for 49 years, so he acts as the "so-called mayor." A retired building contractor, Brunner worked on Rincon Island causeway in the 1970s. "I actually have some blood on that island," he said.

He convened an informal community meeting one recent morning at the foot of the pier, with residents sharing what they knew of the s t a t e ' s decommissioning progress and discussing potential future uses for the island. A major telecom company is eyeing it for cell towers (residents oppose the idea); a state university is considering a research station (residents approve); and the state is mulling a marine preserve (residents also approve).

Robert Brunner is a 49-year resident of Mussel Shoals and spent time working on the nearby Rincon Island causeway. "I actually have some blood on that island," he said.JUAN CARLO/THE STAR

" T h e s e a r e s o m a n y s e a l s a n d p e l i c a n s o u t t h e r e , i t ' s b e l i e v a b l e , " B r u n n e r s a i d . A t a n April public meeting, Ann Scarborough Bull, a scientist at the Marine Science Institute at the University of California, Santa Barbara, said fish species, horn sharks, lobsters, kelp and four types of soft corals known as sea fans had moved in, making the island a biodiversity hot spot.

A state contractor is now conducting a feasibility study to help determine the i s l a n d ' s f u t u r e .

But one thing is clear — i t ' s up to Brunner and his neighbors, Fabel and the state bureaucracy. Grewal d o e s n ' t get to choose what happens next at Rincon Island, but he likely holds little to no further liability for its decommissioning either. Still, G r e w a l ' s p r e s e n c e w o n ' t be far away.

Rows of pinot noir grapes grow at Ca' Del Grevino's vineyard, owned by Randeep Grewal, near Santa Maria .*MARK OLALDE*

Just inland from the Central Coast, low rolling hills dominate the landscape, some yellow from drought, some blanketed in neat, green rows of grapevines. G r e w a l ' s Del Grevino winery sits here, pinot noir grapes growing from picturesque vines. Two miles from his vineyard, rigs rumble through an oil field where nauseating fumes hang in the air.

Some pump jacks in this field still bob slowly up and down, drawing oil to the surface, while others sit rusty and disused. Many once belonged to HVI Cat Canyon, the Greka company, but they were sold or abandoned through bankruptcy. Just like Rincon Island, t h e y n o r e longer G r e w p r o b l e m s. He can retire from the business.

Mark Olalde covers the environment. Follow him on Twitter at [@MarkOlalde.](#)

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California Department of Conservation

CalGEM to Oversee Plugging and Abandonment of 56 Oil and Gas Wells and Associated Facilities in Los Angeles County

November 3, 2021

LOS ANGELES -- In northern Los Angeles County, near the city of Santa Clarita, 56 wells and attendant facilities at the Placerita Oil Field are set to be properly plugged and abandoned this fall under the close eye and direction of the California Geologic Energy Management Division (CalGEM).

Designated as non-compliant since 2016 and presumed to be orphaned, the 56 Caltico and Century Oil wells have no viable operator to manage or maintain the sites. Therefore, CalGEM is stepping in to move forward the process of plugging and abandoning these wells, based on multiple risk factors, including proximity to residences and groundwater.

"This state abandonment project, the single-largest project in the Division's history, underscores CalGEM's commitment to its mission to protect public health and the environment," said State Oil and Gas Supervisor Uduak-Joe Ntuk. "The proper plugging and abandonment of these wells protects against future environmental harm and reduces the state's future liability posed by the continued existence of the orphan wells."

Several of the 56 wells planned for plugging and abandonment had been improperly abandoned with unsecured storage tanks, posing a potential danger to the shallow groundwater, because they have not been tested for years. Excessive trash and debris at the site also pose a fire, driving, and walking hazard, as well as a public nuisance. The site remediation will include well abandonment, pipeline removal, and associated facilities decommissioning.

Ntuk officially issued a plug and abandonment order for these wells on June 26, 2020.

Facilities clean up and preparation of the well access began September 2021 The project is expected to conclude in early 2022 and is estimated to cost $3.3 million, which will be drawn from the State's Hazardous Idle-Deserted Well Abatement Fund (HIDWAF) and the Oil, Gas, and Geothermal Administrative Fund.

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Orphan Wells in California:

An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells

An Emerging Topic Report prepared by the
California Council on Science and Technology

CCST
CALIFORNIA COUNCIL ON SCIENCE & TECHNOLOGY

A nonpartisan, nonprofit organization established via the California State Legislature
– making California's policies stronger with science since 1988.

Orphan Wells in California:

An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells

An Independent Review of Scientific & Technical Information

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About CCST

The California Council on Science and Technology is a nonpartisan, nonprofit organization established via the California State Legislature in 1988. CCST responds to the Governor, the Legislature, and other State entities who request independent assessment of public policy issues affecting the State of California relating to science and technology. CCST engages leading experts in science and technology to advise state policymakers — ensuring that California policy is strengthened and informed by scientific knowledge, research, and innovation.

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Acronyms and Abbreviations

AB	Assembly Bill
API	American Petroleum Institute (as in API number)
BOE	Barrel of Oil Equivalent
BLM	Bureau of Land Management
CCP	California Code of Civil Procedure
CCR	California Code of Regulations
CFR	Code of Federal Regulations
DOC	California Department of Conservation
Division	Division of Oil, Gas, and Geothermal Resources (the Division)
GAO	U.S. Government Accountability Office
HIDWAF	Hazardous and Idle-Deserted Well Abatement Fund
IQR	Interquartile Range
LMR	Liability Management Regime
PRC	California Public Resources Code
SB	Senate Bill
SLC	California State Lands Commission (the Commission)
Supervisor	State Oil and Gas Supervisor at the Division

Summary

In 2017, California was the fourth largest producer of crude oil and the fifteenth largest producer of natural gas among U.S. states (US EIA). There are about 107,000 active and idle oil and gas wells in California. At some point all of these wells will end their productive life and the operator/owner of the well will be required to carefully plug the well with cement and decommission the production facilities, restoring the well site to its prior condition. There is a large population of nonproductive wells in the state, known as idle wells, which have not produced oil and gas for at least two years and have not been plugged and decommissioned. Idle wells can become orphan wells if they are deserted by insolvent operators. When this happens, there is the risk of shifting responsibilities and costs for decommissioning the wells to the State.

There are policies in place to protect the State from the potential liabilities of orphan and idle wells. Operators are required to file indemnity bonds when drilling, reworking, or acquiring a well, to support the cost of plugging a well should it be deserted. However, the available bond funds are often not enough to fully cover the costs of plugging and decommissioning a well. In two recent insolvencies involving offshore facilities, Rincon Island and Platform Holly, the bonds recoverable by the State totaled about $32 million—well under the more than $100 million estimated cost to plug and decommission the wells at both facilities.

Issues with orphan wells are not limited to offshore wells. The vast majority of orphan wells in the state are located onshore. These wells represent potentially large liabilities for the State. In some cases, especially for older orphan wells, there may be no bond available. In an effort to prevent orphan wells, the operators of idle wells are required to pay fees or develop management plans to eliminate long-term idle wells. The Division of Oil, Gas, and Geothermal Resources (the Division) is in the process of updating these regulations and implementing new well testing requirements from recent legislation.

Concerned about the potential financial risks involved with idle and orphan wells and aware of similar problems in other parts of North America, the Division requested the California Council on Science and Technology (CCST) produce a study assessing the State's potential orphan well liabilities. Using existing data from the Division, we have conducted a rough estimate of potential future costs to the State for plugging and decommissioning orphan wells. We have also summarized recent studies that compare the policies and practices of California to other states and regions.

The preliminary analysis performed here finds that 5,540 wells in California may already have no viable operator or be at high risk of becoming orphaned in the near future. The likely plugging and abandonment costs for these wells, based on the State's historical experience with orphan wells, exceed the available bond funds by a factor of 10 or more. The State's potential net liability for these wells appears to be about $500 million. This

estimate ignores environmental or health damages that could be caused by orphan wells, which is a poorly understood category of potential impacts that is outside of the scope of this report and deserves greater study.

An additional 69,425 economically marginal and idle wells are identified here that could become orphan wells in the future as their production declines and/or as they are acquired by financially weaker operators. Increasing the financial security for these wells while they are still profitable may avoid enforcement challenges in the future. Idle Well Fee and Management Plan requirements may also reduce the stock of idle wells, but operators have less incentive to comply with regulations after wells cease production.

The total costs of plugging and abandoning all of the state's 106,687 active and idle oil and gas wells are found to be about $9.1 billion. This gives an unlikely worst-case scenario for the state's total costs. The share of this cost that is ultimately borne by the State (as opposed to operators) will depend on policy choices, market dynamics, and other factors. In comparison, the bond amounts currently held by the state for these wells cover only about $110 million. This study recommends several specific areas where more in-depth research will better inform future policy approaches.

Findings, Conclusions, and Recommendations

Chapter 1: Background

Finding 1-1: California requires well operators to obtain an individual or blanket indemnity bond prior to drilling, reworking, or acquiring a well or wells, not to be released until the well is plugged and decommissioned. 1

Finding 1-2: The amount of the required indemnity bond depends on well depth for individual bonds, the number of wells in the state to be covered for blanket bonds, and whether the well is located onshore or offshore. Bond amounts range from $25,000 for a single well to $3 million for a blanket bond covering multiple wells. The amount on file may also depend on when the well was last drilled, reworked, or acquired, and the bonding requirements at that time. 2

Finding 1-3: The amount of an indemnity bond may not be adequate to cover the actual plugging and decommissioning costs. For example, bonds on file from the leases at Rincon Island and Platform Holly, $10 million and $22 million, respectively, were a fraction of the estimated total costs of over $100 million for both leases. 4

Finding 1-4: The vast majority (nearly 98%) of wells in the state are located onshore. The vast majority of idle wells in the state are also onshore. 6

Conclusion 1-1: Recent cases in California highlight the potentially expensive and complicated nature of plugging and decommissioning offshore wells and the difficulty of determining liabilities following bankruptcy. As most of California's wells are located onshore, it will be important to assess the potential liabilities for onshore wells in situations where idle wells may become orphan wells. 6

Chapter 2: Relevant Laws and Regulations Governing Oil and Gas Wells in California

Finding 2-1: Recent legislation revised California's indemnity bond requirements, requiring bonds for operators acquiring a well, increasing individual and blanket bond amounts, and requiring that a well be properly plugged and decommissioned before a bond is released. 8

Finding 2-2: In addition to the required offshore indemnity bond of $1 million, offshore wells require a supplemental form of security to cover the full costs of plugging all of the operator's offshore wells. However, these bonds may be filed as part of the operator's lease with the State Lands Commission, rather than as additional security with the Division. 9

Finding 2-3: Recent legislation in California has increased idle well fee requirements and revised the requirements for the idle well management program. 10

Finding 2-4: Fees from the idle well program go into the Hazardous and Idle-Deserted Well Abatement Fund (HIDWAF), which is continuously appropriated without regard to fiscal year to support the plugging and decommissioning of hazardous or potentially hazardous wells and facilities..... 10

Finding 2-5: Wells may be considered deserted and ordered plugged if the operator fails to comply with certain well regulations, including payment of idle well fees..... 10

Finding 2-6: Since 2008, operators with a history of violating well regulations may be required to hold a life-of-well bond, covering the full estimated lifetime costs of the well and/or production facility, including plugging, decommissioning, and spill response, rather than a categorical indemnity bond based on well depth, or a blanket bond. According to the Division, no operator currently holds such a life-of-well bond. 10

Finding 2-7: The Division's expenditure authority for plugging and decommissioning deserted or hazardous wells and facilities was recently increased to up to $3 million per fiscal year until 2022, when it will decrease back to $1 million per year. With this expenditure authority, there are numerous reporting requirements to the Legislature regarding orphan and hazardous wells and facilities..... 12

Conclusion 2-1: With the recent updates to idle well management and testing requirements, and the numerous reporting requirements, the State will gain a more comprehensive list of remaining hazardous and orphan wells and a better sense of responsible operators based on compliance with the updated idle well requirements... 12

Chapter 3: Quantifying Potential Oil and Gas Well Liabilities in California

Finding 3-1: A coarse analysis of readily available information from the Division suggests several thousand wells in California are likely orphan wells or are at high risk of becoming orphan wells in the near future. 18

Finding 3-2: Tens of thousands of additional idle and low-producing wells could become orphan wells in the future if they are acquired by a financially weak operator or there is a prolonged negative shock to the oil and gas industry. The likelihood of these wells eventually becoming orphan wells depends

in part on the practical enforceability of California's rules that make previous well operators jointly liable for decommissioning costs. Old wells plugged prior to modern standards may also pose some risk. 18

Finding 3-3: Improved measurement and data management will be important for assessing the orphan wells problem in more detail and monitoring the effectiveness of policy responses. 18

Finding 3-4: The likely and potential orphan wells we identify are located throughout the state matching the overall geographic distribution of oil and gas activity, with greater concentrations near Kern County and Los Angeles County. 20

Finding 3-5: The risk of environmental or health damages from orphan wells is poorly understood but may be significant in some cases. 20

Finding 3-6: Based on a small sample of well-level plugging costs, the statewide average cost to plug and abandon an onshore orphan well is $68,000. Costs in the densely-populated Southern district near Los Angeles are about three times higher than in other regions. Additional surface reclamation costs may be required for some wells. 24

Finding 3-7: The bond amounts available to pay for plugging and decommissioning vary according to operator, but in almost all cases these amounts are substantially lower than the predicted costs. 25

Finding 3-8: Idle well fees may offset some of the State's eventual liability for orphan wells. A rough calculation suggests that this contribution would be small with the current fee schedule. 27

Conclusion 3-1: If all of the roughly 5,000 wells that we identify as having the highest orphaning risk were to become orphan wells, the State's net costs after subtracting out bond funds could be about $500 million. The total net difference between plugging costs and available bonds across all oil and gas wells in the state is about $9.1 billion 29

Chapter 4: The Policies and Practices of Plugging and Decommissioning in Other States and Regions

Finding 4-1: Relative to other states, California has been proactive in enacting some of the strictest financial assurance requirements in the nation, although the requirements still do not cover the full costs of plugging orphan wells. 31

Finding 4-2: Many states and regions have been forced to re-evaluate their regulations and financial assurance systems for orphan wells in recent years due to challenges

in funding orphan well plugging. 31

Finding 4-3: Financial assurance requirements across states, such as indemnity bonds and fees, are broadly found to improve operator behavior. 32

Finding 4-4: California is now at the upper end of minimum bond amounts currently required, but existing wells in California may be covered by older bonds or no bond at all depending on when they were last drilled, reworked, or acquired, and whether the bond was released prior to plugging. This contrasts with a universal bond requirement, as implemented by Texas, where all qualifying operators would be required to file the new bond amount at the time of implementation. 33

Finding 4-5: In Canada, Alberta collects an orphan well fee from all operators and utilizes contingent bonding based on the financial strength of the operator to pay for orphan wells. However, Alberta is facing an increase in insolvencies in combination with lower oil and gas prices and hearing major legal questions regarding the order of priority for decommissioning costs in bankruptcy proceedings. 34

Finding 4-6: In contrast to California, many states imposed a limit on the length of time a well may be idle. However, in practice the impact of these rules tends to be limited by exemptions and extensions. 35

Finding 4-7: As the total number of wells, cost to plug each well, and number of older wells requiring remediation is likely to increase for the foreseeable future, it is likely that any financial assurance model based on a static cost level will require periodic revision. 37

Conclusion 4-1: Historical experience and policy analysis in oil-producing regions throughout North America demonstrate the urgency and importance of orphan and idle well regulation. Most studies agree that higher bond requirements for operators will more fully internalize orphan well liabilities. Laws governing the priority of decommissioning costs are also important in determining potential costs to governments when operators become insolvent 37

Recommendations:

Using the data, results, and recommendations of this study as a framework, the Division should perform a more detailed analysis of orphan well liabilities guided by the following recommendations:

Recommendation 3-1: Refine predictions of wells at risk of becoming orphaned. A more detailed analysis could consider additional factors such as operator financial information, field-level production costs, and output price projections. 18

Recommendation 3-2: Study the ownership history of orphan wells and wells

at high risk of becoming orphan wells. Such research will identify the share of plugging and decommissioning costs that may be recoverable from previous operators. It will also increase understanding of well ownership dynamics, which are thought to involve wells moving to smaller, higher orphan risk operators as production rates decrease. 18

Recommendation 3-3: Investigate the potential environmental impacts of orphan and idle wells in California. Possible impacts may include groundwater contamination, human health impacts, and other issues. 21

Recommendation 3-4: Track expenses for orphan well plugging and surface reclamation at the individual well level in a centralized database. This will allow for more detailed understanding of the determinants of plugging and decommissioning costs, and thus more accurate cost predictions for future orphan wells. 24

Recommendation 3-5: Leverage the new annual Idle Well Fee/Idle Well Management Plan requirement to yield a more detailed count of wells without viable operators. Failure to file the annual idle well fees or an idle well management plan can serve as legal evidence of desertion. 27

Recommendation 3-6: Study potential changes to blanket bond rules that would increase the effective per-well bonds for economically marginal wells. The Division should consider whether securing larger effective per-well bonds while wells are still profitable would avoid enforcement challenges once wells become idle. . 29

Recommendation 3-7: Use the results of a more detailed investigation beyond the limited scope of this study to conduct an economic analysis of policy alternatives. The Division should identify specific policy changes with the greatest promise to manage costs from existing orphan wells and to efficiently regulate the number of additional orphan wells going forward. 29

CCST Introduction

The California Council on Science and Technology (CCST) is a nonpartisan, nonprofit organization established via the Legislature in 1988 that is called upon by the State to conduct independent, scientifically rigorous studies to inform policy decisions. CCST studies are valued for their scientific and technical analysis, which undergoes a full peer review process to ensure that the information presented is accurate and technically sound.

This study was produced at the request of the Division of Oil, Gas, and Geothermal Resources (the Division) under the California Department of Conservation. It was researched and written by principal researchers and select CCST staff within a study team overseen by a Steering Committee Chair. The study team provides an appropriate range of expertise, a balance of perspectives, and no conflicts of interest.[1] This study was subject to a full and thorough peer review and the authors responded to all comments from reviewers.

CCST strives to produce reports through a transparent process to ensure that the final product is responsive to the questions of the sponsor, while maintaining full scientific independence. Transparency is achieved by engaging the sponsor in dialogue about the nature of the information needed and informing the sponsoring agency of study progress.

Language used in this study:
In oil and gas well terminology, there are many ways to say that a well has been properly plugged and/or that the remaining facilities have been removed and the site returned to its original condition: 'properly plug and abandon,' 'plugging and reclamation,' etc. In this study, we primarily use the term 'plug and decommission' to refer to the actual cementing or plugging of the well and restoration of the site.

1. See Appendix F for more information on the CCST study team selection and study process.

Chapter 1

Background

Among states in 2017, California was the fourth largest producer of crude oil (US EIA) and the fifteenth largest producer of natural gas (US EIA). The state's oil and gas fields are considered mature, and there is a growing population of nonproductive wells in the state.

The life cycle of oil and gas wells depends on a number of factors, the most important of which are production rates and energy market prices (Figure 1). A well can operate profitably for several years or decades depending on the rate of production and operating expenses. At low prices, or as production slows, operators may be inclined to shut down, idle, or hand off non-economic wells and leases. Once a well's productive life comes to an end, it must be carefully plugged with cement and its attendant production facilities decommissioned[1] to prevent any potential hazards. In California, this process is the operator's responsibility.

Under current rules (which have recently been revised), prior to drilling, reworking, or acquiring a well, an operator must file a security with the State in the form of an indemnity bond or other deposit. As of January 1, 2018, this bond cannot be released until the well is properly plugged and decommissioned. Indemnity bonds are an agreement between a principal (the operator), an obligee (the State), and a surety bond company (the surety) that protects the State in cases where operators do not fulfill their obligations to decommission a well—providing payment of the bond amount to the State. These bonds range in amount depending on the depth of the well and the number of wells to be covered. Current requirements for onshore wells range from $25,000 for a single well to $3 million for a blanket bond to cover all of an operator's wells. For offshore leases, there is a blanket $1 million bond required for drilling or modifying one or more wells. The historic and existing bond requirements as well as the availability and adequacy of bonds on file to cover the plugging and decommissioning of potential orphan wells are discussed in Chapters 2 and 3.

Finding 1-1: California requires well operators to obtain an individual or blanket indemnity bond prior to drilling, reworking, or acquiring a well or wells, not to be released until the well is plugged and decommissioned.

1. 14 CCR § 1760 "Decommission" means to safely dismantle and remove a production facility and to restore the site where it was located.

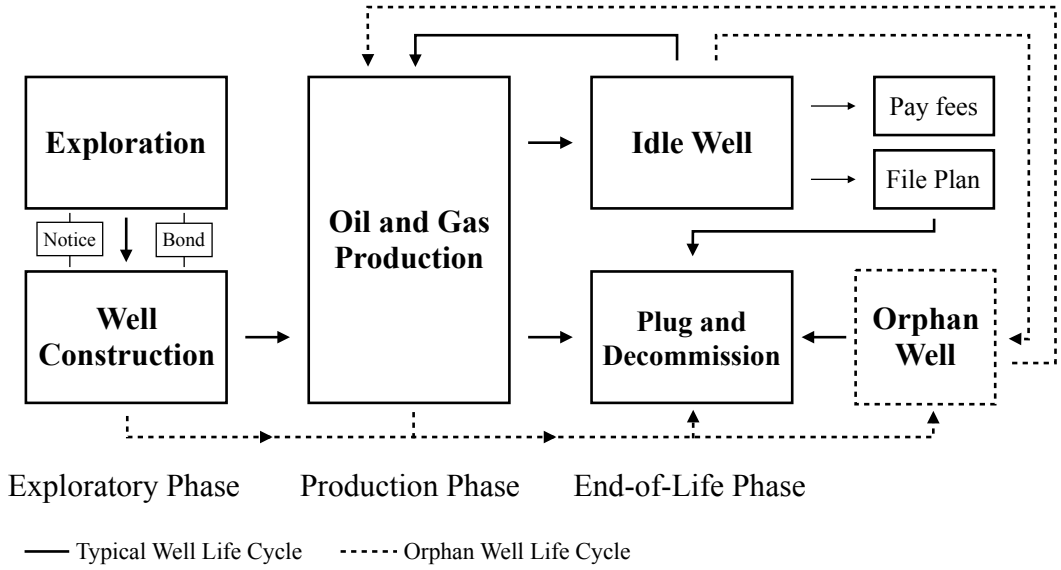

Figure 1. Typical well life cycle in California compared with the orphan well cycle. The initial exploratory phase encompasses the discovery and evaluation of reserves, drilling and completion of the exploratory well, and the determination that the well (field) can economically produce oil or gas. Prior to drilling, a notice of drilling along with an indemnity bond must be filed and approved. Production can last several years or decades depending on the size of the field and operating expenses. When the rate of production and sales fails to cover the expenses associated with maintenance and production, it has reached its economic limit. At that limit, the well may be considered a liability by the owner and may be plugged and abandoned, the production facilities decommissioned, and the indemnity bond recovered. Production can also be idled. A well is classified as idle when there is zero production, or other defined uses, for at least 24 consecutive months. Operators may eventually return idle wells to production, but while idle they may need to either pay annual idle well fees or file an Idle Well Management Plan. Finally, if a well is orphaned prior to plugging, the responsibilities of plugging and decommissioning the well may ultimately fall upon the State.

Finding 1-2: The amount of the required indemnity bond depends on well depth for individual bonds, the number of wells in the state to be covered for blanket bonds, and whether the well is located onshore or offshore. Bond amounts range from $25,000 for a single well to $3 million for a blanket bond covering multiple wells. The amount on file may also depend on when the well was last drilled, reworked, or acquired, and the bonding requirements at that time.

Of the approximately 229,000 oil and gas wells in California, about 122,000 have already been plugged. The remaining 107,000 of them are classified as either active or idle wells. California regulators consider a well to be an idle well if it has not produced oil or gas for

24 consecutive months.[2] Many of California's idle wells are long-term idle wells—wells that have been idle wells for eight or more years.[3] These idle wells are potentially at risk of becoming orphan wells. If not properly maintained or plugged, idle and orphan wells can present a potential environmental hazard. In some cases, these wells may provide a source for fluid and gas migration to unwanted zones. For example, they may leak oil, injected fluids, or formation water into nearby underground drinking water or surface water reservoirs, or release methane or other gases into groundwater or the atmosphere.

From idle to orphan

Wells are not always plugged and decommissioned immediately after production ceases. Operators often maintain wells in a nonproductive, idle state—either to preserve the option of resuming production in the future, or simply to defer the expense of permanently plugging the well.

It costs much less in the short term for operators to maintain a well in an idle state than to properly plug and decommission a well. In California, the required fees to maintain an idle well range from $150 per year to $1,500 per year. This approach also maintains the potential to return the well to production if energy prices increase. Although this "option value" from the ability to resume production can in principle be quite important, research in Alberta, Canada, has shown the decision to leave a well idle is more often driven by a desire to defer decommissioning costs on wells with little likelihood of resuming production (Muehlenbachs, 2015). Ultimately, some operators may declare bankruptcy in order to relinquish their leases and forfeit any requirement to plug and decommission the well, potentially leaving the costs to the governmental regulator.

Wells deserted by insolvent operators become orphan wells. Since orphan wells have no financially viable operator, the State may become responsible for plugging and decommissioning costs. At this point, the State may use the available indemnity bond funds on file, if any, to contribute toward the cost of plugging and decommissioning the well.

Orphan wells are a concern in every state and region that produces oil and gas. At the federal level, a recent study by the U.S. Government Accountability Office (GAO) made several recommendations to the U.S. Department of Interior in order to better protect against billions of dollars of potential decommissioning liabilities for offshore wells in the Gulf of Mexico (GAO, 2016). In Alberta, Canada, potential liabilities were estimated at between $129 million and $257 million for known orphan wells, with the total costs of well liabilities (when considering potential future insolvencies) estimated at up to $8.6 billion (Dachis et al., 2017).

2. PRC §3008(d) Wells that for 24 consecutive months have not produced oil or gas, or have not produced water used to stimulate production, for enhanced oil recovery, reservoir pressure management, or injection.

3. PRC §3008(e).

Recent offshore cases in California: Rincon Island and Platform Holly

In California, there have been several prominent cases where the State has had to take responsibility for an oil or gas field. Two offshore facilities in southern California and their associated wells recently became the responsibility of the State: Rincon Island in Ventura County and Platform Holly in Santa Barbara County. Offshore wells are much more expensive to plug and decommission than their onshore counterparts—often amounting to millions of dollars rather than thousands—and have a high priority to plug due to their environmental risk. For these reasons, operators of offshore wells are required to file higher amounts of security than what is required for onshore wells, either as part of their lease with the State or under Division regulations. This security, typically in the form of a surety bond, is intended to protect the State against losses in the event that the operator cannot afford the cost of plugging and decommissioning their wells. However, at Rincon Island and Platform Holly, the security amounts available were not enough for either facility. The State Lands Commission (the Commission) is responsible for managing leases on submerged lands in the state, including the three miles off the Pacific coast. The Commission requested $108.5 million over three years from the state's General Fund to plug and decommission the wells (California State Lands Commission, 2018a), in addition to millions already appropriated to maintain and monitor the wells.

Finding 1-3: The amount of an indemnity bond may not be adequate to cover the actual plugging and decommissioning costs. For example, bonds on file from the leases at Rincon Island and Platform Holly, $10 million and $22 million, respectively, were a fraction of the estimated costs of over $100 million for both leases.

In the case of Rincon Island, operated by Rincon Island Limited Partnership, the lease had not produced oil or gas since 2008. According to a staff report, Commission staff were prepared to recommend termination of the lease in August 2016 over regulatory violations (potentially risking environmental contamination) and other lease requirements. However, Rincon Island Limited Partnership filed for chapter 11 bankruptcy before the lease was terminated (Fabel & Blackmon 2018). After bankruptcy and eventual relinquishment of the leases, the Commission—with no responsible operator available to take over—entered into an emergency contract with a company to oversee the wells. The Commission also obtained $8 million in a settlement agreement with prior lessee ARCO and worked to secure a combined $10 million surety bond that was held by Rincon Island Limited Partnership.[4] The cost to plug the 49 wells and decommission the facilities at Rincon Island was estimated to be around $50 million over three years (California State Lands Commission 2018a).

At Platform Holly, which had been non-operational since the Refugio Oil Spill in May 2015, the operator Venoco relinquished its leases of the South Ellwood Field in April 2017 and filed

4. According to a February 2018 SLC staff report (Fabel & Blackmon), the Division requested their combined $350,000 bond be released to the Commission, which holds a $9.65 million bond.

a petition for relief under chapter 11 bankruptcy, returning the lease and the platform's 32 wells to the Commission. The Division subsequently ordered that the Venoco wells be plugged and abandoned. When Venoco was unable to do so, the Commission called on and received Venoco's $22 million bond. This bond amount was intended to be larger. In August 2013, an amendment to the lease included provisions for increasing the bond amount incrementally by $4 million per year to eventually reach $30 million in September 2018. This amount was intended to be adjusted in 2025 and every 10 years to accurately reflect the full cost of Venoco's liabilities (California State Lands Commission, 2013).

In 1997, Venoco became the third operator assigned to the lease, following approximately 28 years by ARCO and 4 years by Mobil Oil Company. Under California law, the Division can pursue previous operators as far back as January 1, 1996, for plugging and decommissioning responsibilities. After calling on Venoco's bond, the Commission sought an agreement with the prior lessee, now ExxonMobil, to plug and abandon the wells. In August 2017, the Commission and ExxonMobil filed a letter of intent to discuss the plugging and abandonment of the Venoco wells and collaborated to assess needed repairs that would ease the plugging process. Meanwhile, the Commission hired a contractor to take over daily operations of Platform Holly. Anticipating a potentially lengthy process to reach a final agreement on the extent of liability and funding amount with ExxonMobil—and recognizing the urgency of the situation—the Commission requested $58.04 million from the General Fund to manage the platform and plug and abandon the wells (California State Lands Commission 2018a). In June 2018, the Commission and ExxonMobil entered into a Phase 1 agreement for plugging and abandoning the 32 wells on site, with provisions addressing contested wells modified by Venoco (California State Lands Commission and Exxon Mobil 2018).

In response to these recent offshore bankruptcies, the Governor signed legislation in September 2018 to specifically address any inadequate financial security of offshore oil and gas wells in California (SB 1147, Hertzberg).

The decommissioning of onshore wells

Though these recent cases highlight the more expensive and complicated nature of the offshore plugging and decommissioning process, most wells in California are located onshore. In fact, offshore wells account for just over 2% of all wells in California and, as of January 2018, there were only 19 offshore leases remaining in the state (California State Lands Commission, 2018b). No new offshore lease has been approved by the Commission since 1968.

Like their offshore counterparts in California, onshore wells can also be hazardous and expensive to decommission, especially in dense urban areas. In 2004, an orphan well leaked in a neighborhood in the city of Huntington Beach for several hours. An emergency rig was called in to plug the well (Division of Oil, Gas, and Geothermal Resources, 2011). In 2016, two buried orphan wells were discovered on Firmin Street in the residential Echo

Park neighborhood of downtown Los Angeles after reports of an odor coming from one of the wells. Drilled before 1903, these wells were deserted by their operators. The Division utilized industry funds from their orphan wells program to properly plug the wells. It cost the Division more than $1 million to plug the wells, according to its own estimates. The expense of such onshore projects, along with the sheer number of onshore wells and their location throughout the state, makes them a major point of concern for the State in terms of potential liabilities.

Finding 1-4: The vast majority (nearly 98%) of wells in the state are located onshore. The vast majority of idle wells in the state are also onshore.

Conclusion 1-1: Recent cases in California highlight the potentially expensive and complicated nature of plugging and decommissioning offshore wells and the difficulty of determining liabilities following bankruptcy. As most of California's wells are located onshore, it will be important to assess the potential liabilities for onshore wells in situations where idle wells may become orphan wells.

Considering these recent experiences and concerned about the potential cost and liabilities associated with plugging and decommissioning both existing orphan wells and wells that may become orphaned—which may include some of the thousands of idle and long-term idle wells—the Division asked CCST to assess these potential costs. CCST was also asked to look at the policies of other states and regions regarding orphan well management and cost recovery for how they could inform California policy. To accomplish these tasks, the CCST study team undertook a literature review and examined available datasets from the Division and elsewhere. Through meetings, investigations, and literature and data review, the CCST study team has drafted this report to address the questions and concerns of the Division.

Chapter 2

Relevant Laws and Regulations Governing Oil and Gas Wells in California

The statutory requirements and definitions relating to the operation of oil and gas wells in California are provided in Division 3 of the Public Resources Code (PRC) and Title 14, Chapter 4 of the California Code of Regulations (CCR), with primary responsibilities given to the Division of Oil, Gas, and Geothermal Resources (the Division), led by the state oil and gas supervisor (the Supervisor), under the California Department of Conservation (DOC).

The operation of oil and gas wells

There are numerous laws affecting the operation of oil and gas wells in California. The operator of a well is the entity who has the right to drill or operate a well.[1] Drilling new wells or the deepening or redrilling of existing wells requires a notice of intention, to be approved by the Supervisor or district deputy.[2] Alongside the notice of intention, operators must provide an indemnity bond, or a deposit in lieu of a bond,[3] for any well drilled or reworked, intended to protect the State against losses in case the operator cannot afford to plug the well. The bond can be released once the well is properly plugged and decommissioned. Operators must notify the Supervisor or district deputy when selling or transferring their wells or production facilities[4] and are similarly required to do so when they acquire a well or production facility. [5]

Bonding requirements

Bonding requirements for wells have changed over the years (Table 9). Initially set at $5,000 per well (Ch. 93, 1939), they have since increased in cost and been modified to account for well depth, idle status, location onshore or offshore, and number, allowing the use of blanket bonds for operators with many wells. Most recently refined by AB 2729 (Williams et al., 2016), operators are now required to obtain individual indemnity bonds when they drill, redrill, deepen, or permanently alter any well. Beginning January 1, 2018, these

1. PRC §3009 Person who either by ownership or lease has the right to drill, operate, maintain, or control a well.
2. PRC §3203.
3. CCP §995.710.
4. PRC §3201 When selling, exchanging, transferring, or otherwise disposing of their wells or production facilities.
5. PRC §3202.

requirements were also applied to any operator who acquires a well. As increased by SB 665 (Wolk, 2013), operators must file indemnity bonds with the Supervisor for either $25,000 for each well that is less than 10,000 feet deep, or $40,000 for each well that is 10,000 or more feet deep (Table 1).[6] A bond of $100,000 is also required for each Class II commercial wastewater disposal well.[7] The bond is specified to protect the state against all losses, charges, and expenses incurred in obtaining operator compliance with the provisions.

Table 1: Individual bonds

Well Depth	Amount
10,000 ft or more	$40,000
Less than 10,000 ft	$25,000
Class II disposal well	$100,000

Blanket indemnity bonds cover the drilling or modification of 20 or more wells at a time.[8] The blanket bond covers all of the operator's other onshore wells in the state. If the operator has 50 or fewer wells in the state, they must provide a bond of $200,000 to cover them all, or $400,000 for more than 50 wells. New upper level categories of $2 million for more than 500 wells, and $3 million for more than 10,000 wells, were added by AB 2729 (Table 2). These well numbers do not include any wells that the operator has already plugged. Another notable change resulting from AB 2729 is that, as of January 1, 2018, state law only allows indemnity bonds to be released upon proper plugging and decommissioning of wells rather than at the time of completion of the well.[9] This requires all necessary steps to ensure proper separation from underground or surface water.[10] For safety purposes, the Supervisor or district deputy may also order or permit the reabandonment of any well they suspect was not properly plugged or any well that is not visible or accessible.[11] Reabandonment is an operator's responsibility, except for a few scenarios in which the operator did plug and decommission the well in conformity with the requirements at the time.

Finding 2-1: Recent legislation revised California's indemnity bond requirements, requiring bonds for operators acquiring a well, increasing individual and blanket bond amounts, and requiring that a well be properly plugged and decommissioned before a bond is released.

6. PRC §3204.
7. PRC §3205.2.
8. PRC §3205.
9. PRC §3207.
10. PRC §3208.
11. PRC §3208.1.

Table 2: Blanket bonds

# Wells in State	Amount
More than 10,000	$3,000,000
501 - 10,000	$2,000,000
51 - 500	$400,000
50 or fewer	$200,000
Offshore	$1,000,000

Offshore wells

For offshore wells, there is a blanket $1 million bond required for drilling or modifying one or more wells located in submerged, ocean waters within the state's jurisdiction.[12] In addition, the entity who operates one or more of these offshore wells is required by the Supervisor to provide security to cover the full cost of plugging and decommissioning of the wells. However, there is an exception to this additional security in cases where a similar bonding agreement is part of the lease with the State, usually with the State Lands Commission, for offshore wells. The Commission tracks bonds for each of the 19 remaining offshore leases, which are as high as $30 million for a single lease (California State Lands Commission, 2018c). In September 2018, the Governor signed SB 1147 (Hertzberg), seeking to more adequately cover the cost of plugging and decommissioning offshore oil and gas wells.

Finding 2-2: In addition to the required offshore indemnity bond of $1 million, offshore wells require a supplemental form of security to cover the full costs of plugging all of the operator's offshore wells. However, these bonds may be filed as part of the operator's lease with the State Lands Commission, rather than as additional security with the Division.

Idle well fees and management

Recently, requirements from AB 2729 (Williams et al., 2016) increased annual idle well fees, based on the amount of time each well has been idle. The law also requires the operator of any idle well, even if that idle well is already bonded, to either pay the annual fee or file an Idle Well Management Plan to manage or eliminate their long-term idle wells. Prior to January 1, 2018, operators who already had an indemnity bond on an idle well or held a $2,000,000 all-inclusive blanket bond were exempt from these fees. Now, on an annual basis on or before January 31, operators must file a fee of $150 for each well that has been an idle well for 3 years or longer,[13] $300 for each well that has been an idle well for 8 years or longer, $750 for each well that has been an idle well for 15 years or longer, or $1,500 for

12. PRC §3205.1.

13. Since idle wells are wells that have not produced for 24 consecutive months, if a well is classified as an idle well for three years, it means the well has not been productive for five total years.

each well that has been an idle well for 20 years or longer (Table 3).[14] These fees go into the Hazardous and Idle-Deserted Well Abatement Fund (HIDWAF), which is continuously appropriated without regard to fiscal year for the plugging and/or decommissioning of wells or production facilities at hazardous or potentially hazardous sites. Hazardous wells and facilities are those that have been determined to be a potential danger to life, health, or natural resources and have no known operator responsible for plugging or decommissioning. If an operator fails to pay idle well fees for any of their idle wells, that failure may serve as conclusive evidence of desertion, for which the Supervisor can order the current operator to plug and decommission the well. Additionally, since the implementation of AB 1960 (Nava, 2008), if an operator has a history of violating the Division's regulations, they may be ordered to keep a life-of-well bond, covering the full estimated lifetime costs of their wells.[15]

Table 3: Idle well fees

Years Classified as an Idle Well	Annual Fee
20 or more	$1,500
15 to 19	$750
8 to 14	$300
3 to 7	$150

Finding 2-3: Recent legislation in California has increased idle well fee requirements and revised the requirements for the idle well management program.

Finding 2-4: Fees from the idle well program go into the Hazardous and Idle-Deserted Well Abatement Fund (HIDWAF), which is continuously appropriated without regard to fiscal year to support the plugging and decommissioning of hazardous or potentially hazardous wells and facilities.

Finding 2-5: Wells may be considered deserted and ordered plugged if the operator fails to comply with certain well regulations, including payment of idle well fees.

Finding 2-6: Since 2008, operators with a history of violating well regulations may be required to hold a life-of-well bond, covering the full estimated lifetime costs of the well and/or production facility, including plugging, decommissioning, and spill response, rather than a categorical indemnity bond based on well depth, or a blanket bond. According to the Division, no operator currently holds such a life-of-well bond.

14. PRC §3206.

15. PRC §3270.4: A life-of-well bond includes an amount adequate to plug each well and decommission each production facility and to finance a spill response and incident cleanup.

As an alternative to paying idle well fees, operators may file a plan with the Supervisor to manage or eliminate their long-term idle wells: operators with 250 or fewer idle wells must plug and decommission 4% of their long-term idle wells each year, operators with 251 to 1,250 idle wells must get rid of 5% of their long-term stock, and operators with more than 1,250 idle wells must get rid of 6% of their long-term idle wells each year (Table 4).[16] In each case, operators must eliminate at least one long-term idle well per year.

Table 4: Idle Well Management Plans

# Idle Wells	Annual Reduction of Long-Term Idle Wells*
1,250 or more	6%
251 to 1,249	5%
250 or fewer	4%

*In each case, operators must eliminate at least one long-term idle well per year

Idle well testing and management requirements

The passage of AB 2729 (Williams et al., 2016) required the Division to update its regulations relating to idle wells by June 1, 2018. It is in the process of doing so. The bill included idle well testing and management requirements to determine separation from drinking water sources; well mechanical integrity or appropriate remediation; and an engineering analysis for wells that are idle 15 years or more to see if they could return to production. If an operator does not remediate a well or fails to show that it could return to operation, then the operator must plug and decommission the well. If an operator fails to comply with these well testing requirements, it can be considered conclusive evidence of desertion.[17] The Supervisor is also required to present an annual report to the Legislature commencing on or before July 1, 2019, including the following:

1. A list of all idle and long-term idle wells and any status changes

2. A list of remaining orphan wells including identified idle/long-term idle wells that have become orphan wells and the costs and timeline for abandoning those wells

3. A list of all operators who have filed their long-term idle well plans.[18]

The Division is in the process of preparing this information.

District discretionary authority

The Supervisor and district deputy are also granted the authority to order the plugging and decommissioning of a well or the decommissioning of production facilities that are determined to be deserted. Credible evidence for desertion includes the operational

16. PRC §3206.

17. PRC §3206.1.

18. PRC §3206.3.

history, operator response, operator compliance with existing law, and other criteria[19] and are presumed to be deserted under a number of scenarios.[20] An operator can counter a presumption of desertion with credible evidence. If a well is deserted but the operator cannot pay for the costs of plugging and decommissioning the well, the Division can pursue previous operators as far back as January 1, 1996, as stipulated by SB 2007 (Costa, 1996).[21] If no responsible operator is identified, the Supervisor can plug and decommission the well, in line with their policies for plugging hazardous wells and facilities.[22]

As of July 1, 2018, the Division's expenditure authority for plugging and decommissioning hazardous or orphan wells and facilities was increased to up to $3 million per fiscal year (from $1 million) from the annually-assessed industry fees on production that fund the Division's operations (Lara 2017).[23] Beginning with the 2022-23 fiscal year, that amount will decrease to the previous amount of $1 million. Funds from idle well fees in HIDWAF (which are continuously appropriated without regard to fiscal year) are available for additional support. Alongside the increased expenditure authority, the Division is required to develop criteria for plugging and decommissioning hazardous or orphan (idle-deserted) wells and facilities. On October 1, 2020, the DOC is required to report to the Legislature the number of hazardous and orphan wells and facilities remaining and the estimated costs and timeline for plugging and decommissioning them. On October 1, 2023, the DOC must provide an update on actual costs, average costs per well and facility, the number of wells plugged and abandoned, the number of facilities decommissioned, the total projects completed, and any additional wells identified for plugging and decommissioning.[24]

Finding 2-7: The Division's expenditure authority for plugging and decommissioning orphan or hazardous wells and facilities was recently increased to up to $3 million per fiscal year until 2022, when it will decrease back to $1 million per year. With this expenditure authority, there are numerous reporting requirements to the Legislature regarding orphan and hazardous wells and facilities.

Conclusion 2-1: With the recent updates to idle well management and testing requirements, and the numerous reporting requirements, the State will gain a more comprehensive list of remaining hazardous and orphan wells and a better sense of responsible operators based on compliance with the updated idle well requirements.

19. PRC §3237(a)(2).

20. PRC §3237(a)(3).

21. PRC §3237.

22. PRC §3250 - 3258.

23. See PRC §3258 for expenditure authority. Changes in expenditure authority may result in an adjustment to the rate that determines annual charges on oil and gas production as described beginning with PRC §3400.

24. PRC §3258.

Chapter 3

Quantifying Potential Oil and Gas Well Liabilities in California

This chapter uses administrative data from the Division to roughly estimate the potential future costs to the State to plug and decommission orphan wells. To do this, a simple screen was developed to identify wells that may already be orphaned or be at high risk of becoming orphaned in the future. The likely plugging and abandonment costs for these wells were benchmarked using historical costs for other wells plugged by the State. Finally, the available bond funds from each well's operator were considered to generate an estimated net cost to the State.

This chapter begins by describing the data provided by the Division and how this raw data was merged and cleaned to create the analysis dataset. Results are presented in three subsections focused on identifying orphan wells, understanding likely plugging costs, and calculating available bond funds. The final section of this chapter combines these pieces into an overall estimate of the State's potential net liabilities for orphan wells.

Data and descriptive statistics

Our analysis is based on administrative data on oil and gas wells provided by the Division, which provided information on 240,741 wells. We remove 12,093 well records with a status of "Canceled", which indicates permits that were never drilled, leaving 228,648 wells. This dataset includes plugged, active, and idle wells. The well types in the dataset include both oil and gas production wells and other related well types, such as injection wells. The data appendix provides more detail on the input datasets and how those raw data were used to build the final dataset.

Table 5 presents summary statistics for the analysis dataset. The median production rate across active and idle wells is just 2.7 barrel-of-oil-equivalents (BOE) per day.[1] The median year of first production is 1989 and 28% of the unplugged wells in the dataset are officially classified as "idle" by the Division.[2] These production statistics underscore the mature status of oil and gas fields in California. With few major discoveries in recent decades, producers are now focused on efficiently extracting remaining oil and gas from partially-depleted fields. Most wells are located onshore (about 98%), accounting for 95% of production during 2013–2017. Of the 1,454 operators with any active or idle (unplugged) wells, 1,099 operate only idle wells. At the same time, 91% of idle wells belong to operators that also

1. One BOE represents one barrel of crude oil or 6,000 cubic feet of natural gas.

2. We use first observed production because drilling or completion dates are missing for a large share of wells.

have active wells. As shown later, this reflects the fact that a few companies operate a large share of all wells.

Table 5: Summary statistics for analysis dataset

Wells	228,648
Plugged	121,961
Active/Idle	106,687
Among Active/Idle Wells	
Median Daily Production (BOE)*	2.7
Median Year of First Production*	1989
% of Wells Offshore	2.3
% of Production Offshore	5.3
% of Wells Idle	28
Operators with Active or Idle Wells	1,454
Operators with only Idle Wells	1,099
% of Idle Wells Belonging to Operators with some Active Wells	91

*Starred values calculated using well types OG, GAS, and Multi.

Figure 2 shows average monthly production over the life of a California well. These curves were constructed using all oil and gas wells entering production between 1980 and 2017. The figure shows how production declines over the life of the well due to reservoir depletion. This phenomenon of declining production is central to the orphan well problem. Near the end of a well's productive life, it generates little revenue that can be used to pay for plugging and decommissioning. Consistent with the mature status of California's oil and gas fields, the figure also shows that wells have become less productive in recent decades. For wells drilled in recent years, initial production is lower and declines are steeper than for wells drilled during the 1980s. Production in the fifth year of the life of a well drilled during the 2000s or 2010s is about half of fifth-year production of a well drilled during the 1980s or 1990s.

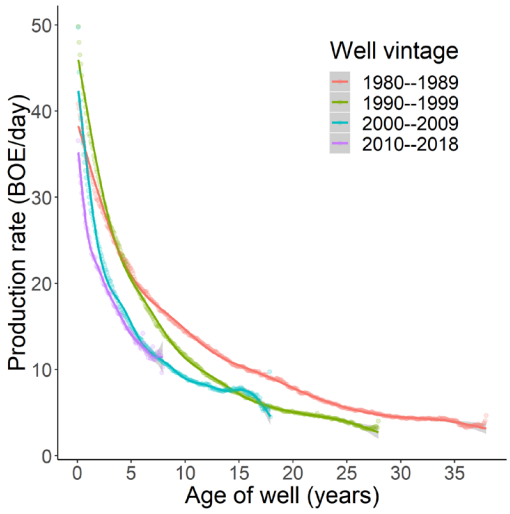

Figure 2. Average production by age of well and decade drilled. This figure shows the average production rate (in BOE/day) in each month of a well's productive life. The four colors represent averages for wells drilled during each decade since 1980. The fitted lines represent smoothed non-parametric fits and 95% confidence intervals (in gray). The first month of a well's productive life is defined as the first month of non-zero production.

RESULTS

Identifying potential orphan wells

Historically, there has been little monitoring of the solvency of operators of idle oil and gas wells in California. While the State maintains a comprehensive list of idle wells, the share of these that are orphan wells is unknown. An orphan well is defined here as an idle well for which no responsible operator exists to undertake plugging and decommissioning.[3] The first step in this analysis was to develop a rough screen for wells that may already have been orphaned or that risk becoming orphan wells in the near future. This approach is based on recent production from the well, as well as production by the operator from other California wells. Six categories of wells are defined, which are summarized in Table 6.[4]

3. Idle wells by definition exclude plugged wells, which are no longer producing but have been properly plugged and abandoned.

4. The statutory definition of an idle well also exempts from idle status wells that produce water to be used in tertiary production methods. Accounting for water production has little practical effect on the number of wells in each category in our analysis.

Table 6: Categorization of oil and gas wells

Active and Idle Wells	
Likely Orphan Wells	2,565
High Risk of Becoming Orphan Wells	2,975
Other Idle and Marginal Wells	69,425
Higher-Producing Wells	31,722
Plugged Wells	
Plugged before modern requirements	41,390
Plugged after modern requirements	80,571
Total	228,648

In this study, wells with no production or injection in the past five years that also belong to operators with no California production or injection in the past five years are considered to be "likely orphan wells." There are 2,565 wells in this category. The lack of observable activity by the operators of these wells is an indication that they may have no viable operator, so the State may bear the costs of plugging and abandoning these wells.[5] The next category in the screen is "wells at high risk of becoming orphan wells," which includes 2,975 wells. These are wells with no production or injection activity during the past five years, where the responsible operator is currently active in California but is small and operates primarily idle and marginal wells. Specifically, this group includes idle wells where the operator's average production rate across all wells is less than five BOE/day, and the operator has fewer than 1,000 actively producing wells. We focus on small operators because research in other states suggests small operators are more likely to orphan wells (Boomhower, in press) and because these small companies are more difficult to recover costs from in the event of default due to the high fixed costs of such collection efforts.

The third category of orphan well risk includes all other idle and marginal wells, where we define marginal wells as wells producing fewer than five BOE/day. It also contains currently active injection wells.[6] This category includes 69,425 wells. Many of these wells belong to a few large operators that are responsible for thousands or tens of thousands of primarily low-producing or idle wells.[7] These major producers likely face lower risk of insolvency than smaller producers. In addition, if they do become insolvent, collection efforts may be more cost-effective because the State would quickly notice such a bankruptcy and because the fixed costs of legal efforts can be spread over the firm's many wells. At the same time, the risk of bankruptcy exists even for large

5. While we use five years of inactivity as our cutoff, many of the wells and operators in this category have been inactive for much longer—in some cases, decades.

6. We include all active injection wells in this category because of the lack of a clear method for identifying which active injection wells are economically marginal. Of the 69,425 wells in this category, 13,057 are injection wells.

7. Aera Energy, Chevron U.S.A., and California Resources Production Corporation together account for 57% of the 33,288 wells that have been inactive for five or more years. These same three operators are responsible for 60% of all oil and gas wells in California. The largest 10 operators account for 90% of inactive wells and 82% of all wells.

producers. A single bankruptcy among one of these large companies could potentially create a large number of orphan wells, at great cost to the State.[8]

The fourth category includes wells that currently produce more than five BOE/day.[9] These higher-producing wells are currently at low risk of becoming orphan wells. Even if their current operators were to become insolvent, other companies would likely find it profitable to take over these wells and continue production.

The final two categories include plugged wells. California implemented modern requirements for well plugging to protect groundwater in February 1978. The 41,390 wells plugged prior to these requirements may not have been plugged to current standards, increasing the risk that they will need to "re-abandoned" in the future. The remaining 80,571 wells were plugged during the modern regulatory period.

It is important to note that this coarse categorization is a rough screen meant to assess the approximate magnitude of the orphan well problem in California using the best available data from the Division. The thresholds used in the analysis to define marginal wells and to categorize operators are by necessity somewhat arbitrary. In the appendix, we investigate the sensitivity of our categorizations to changes in these category thresholds. More broadly, this coarse approach is substantially less detailed than would be required to make legal determinations about the status of any given well. It is also less sophisticated than approaches used by regulators in other jurisdictions (e.g. Alberta, Canada), which rely on detailed, company-specific financial information that is not tracked by the Division.

Another important note about this screen is that oil and gas wells commonly transfer between operators as production decreases, meaning that a marginal well at low orphaning risk today could change risk categories if sold to a less robust operator. Our calculations using data from the Division imply that a typical California oil and gas well has passed between about three different operators by the time it reaches ten years old. While California law makes former operators jointly liable for plugging and decommissioning costs of wells sold after 1996, recovering costs from previous operators may be costly and time-consuming in practice. Thus, in coming years or decades, some of the wells in the "Other Idle and Marginal Wells" and "Higher-Producing Wells" categories could ultimately become orphan wells as they transfer between operators. Despite these limitations, this coarse categorization is useful for approximating the current orphan well problem in California given the available data.

8. The orphan well risk posed by some large operators depends partly on complicated and currently unsettled legal questions. For example, some of these firms are subsidiaries of or receive investments from international corporations. There seems to be disagreement about the degree to which those parent firms would be held liable for costs created by their subsidiaries. In addition, large companies may also consider reputational consequences in addition to direct financial penalties.

9. A common alternative threshold for marginal wells is ten barrels per day. Our conversations suggest that many wells in California operate profitably at lower levels of production, and so we use five BOE/day as our cutoff for economically marginal wells. This is a simplification reflecting our coarse analytical approach. The actual economic limit for any given well depends on field-level production costs, output prices, and other factors.

Finding 3-1: A coarse analysis of readily available information from the Division suggests several thousand wells in California are likely orphan wells or are at high risk of becoming orphan wells in the near future.

Finding 3-2: Tens of thousands of additional idle and low-producing wells could become orphan wells in the future if they are acquired by a financially weak operator or there is a prolonged negative shock to the oil and gas industry. The likelihood of these wells eventually becoming orphan wells depends in part on the practical enforceability of California's rules that make previous well operators jointly liable for decommissioning costs. Old wells plugged prior to modern standards may also pose some risk.

Recommendation 3-1: Refine predictions of wells at risk of becoming orphaned. A more detailed analysis could consider additional factors such as operator financial information, field-level production costs, and output price projections.

Recommendation 3-2: Study the ownership history of orphan wells and wells at high risk of becoming orphan wells. Such research will identify the share of plugging and decommissioning costs that may be recoverable from previous operators. It will also increase understanding of well ownership dynamics, which are thought to involve wells moving to smaller, higher orphan risk operators as production rates decrease.

Finding 3-3: Improved measurement and data management will be important for assessing the orphan wells problem in more detail and monitoring the effectiveness of policy responses.

Figure 3 shows the broad geographic distribution of likely orphan wells and wells at highest risk of becoming orphan wells. The distribution of these wells is similar to the overall geographic distribution of oil and gas activity in the state. Figure 4 shows more detail for southern and central California.

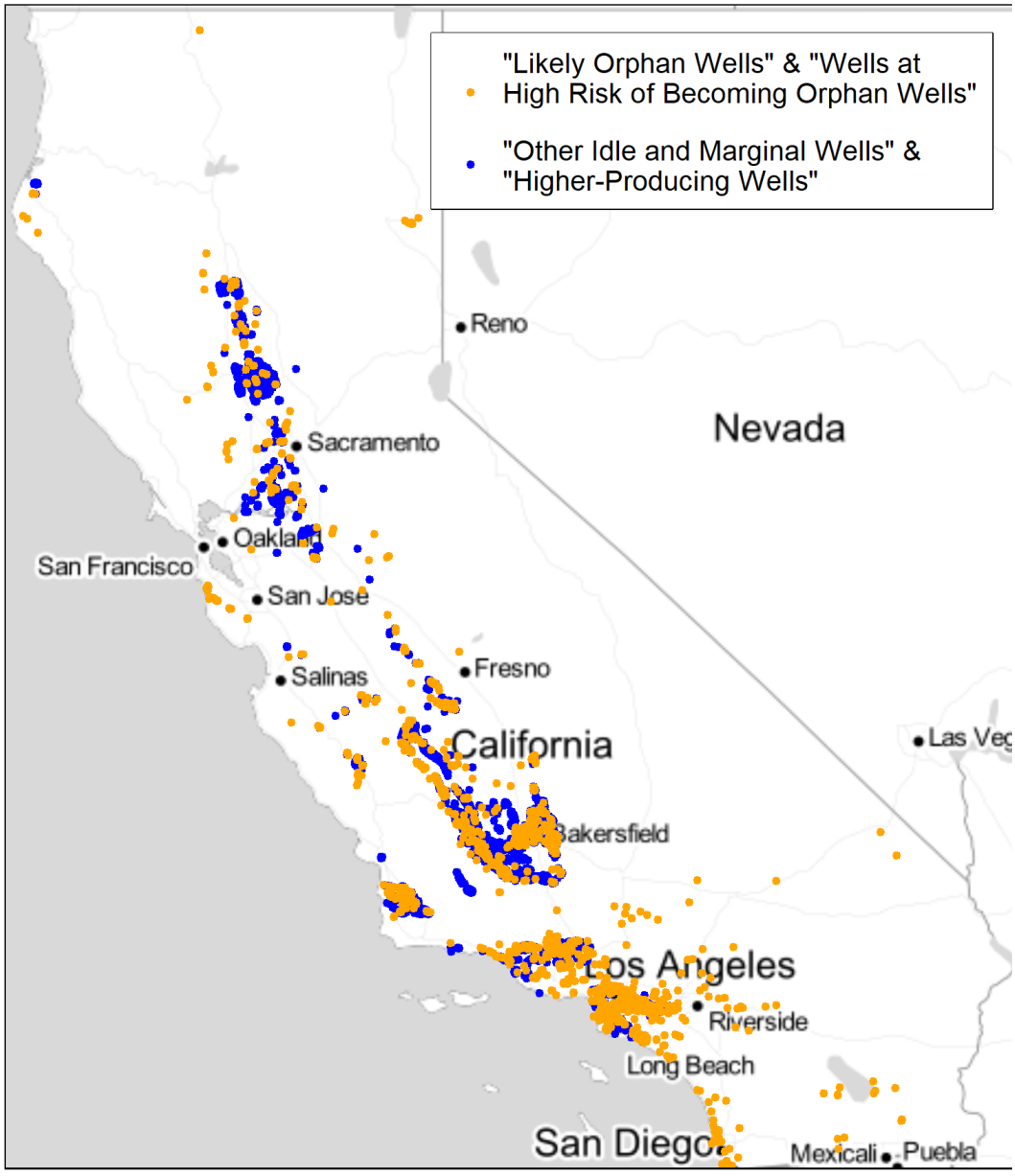

Figure 3. Statewide map of potential orphan and other wells.

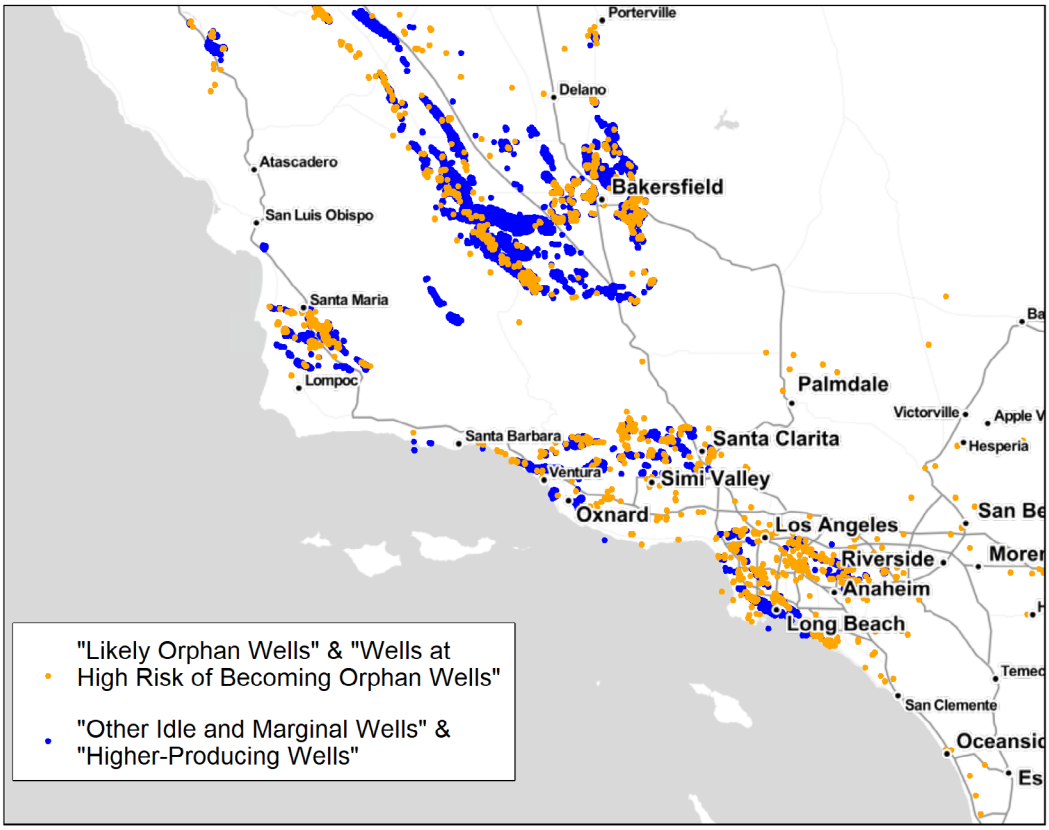

Figure 4. Detailed map of Southern California.

Finding 3-4: The likely and potential orphan wells we identify are located throughout the state matching the overall geographic distribution of oil and gas activity, with greater concentrations near Kern County and Los Angeles County.

Potential costs faced by the State

The costs ultimately imposed on the State by orphan wells depend on plugging and decommissioning costs, as well as any amounts that can be recovered from responsible operators through claims on bond funds. This section considers these elements. A category of potential costs that we do not consider is possible environmental or health damages due to pollution from orphan wells. These impacts are poorly understood and are the subject of ongoing research by geologists and engineers. One priority for future research is to determine the economic significance of these potential damages.

Finding 3-5: The risk of environmental or health damages from orphan wells is poorly understood but may be significant in some cases.

Recommendation 3-3: Investigate the potential environmental impacts of orphan and idle wells in California. Possible impacts may include groundwater contamination, human health impacts, and other issues.

Per-well plugging costs

The Division provided us with information on plugging and abandonment costs for a subset of onshore wells that have been plugged at State expense since 2013. In the various records provided by the Division, we identified 86 wells where expenditures were reported at the individual-well level.[10] The reported costs are the amounts paid by the Division to private contractors to plug and abandon each well. These contracts are negotiated on a case-by-case basis and the exact services procured can vary. Most of the contracts we were able to review included both well plugging and minimal surface restoration.[11] Projects involving more complex surface remediation would likely be costlier.

The average contract cost in this sample is $68,000 per well. The range of costs is large, with a minimum value of $1,200 and a maximum of $391,000. Figure 5 shows this variation is partially explained by district-specific factors. The four box plots describe plugging costs for wells in each the Division district: southern, northern, inland, and coastal. The median plugging cost in the Southern district, which includes urban areas near Los Angeles and Long Beach, is about three times greater than median plugging costs in the other districts.

10. The Division also provided aggregate expenditures on well plugging for an additional several dozen wells. We focus on individual well expenditures in our main analysis so that we can analyze geographic and other variation in costs. Including the aggregate spending on the additional wells has little effect on our estimate of overall average cost.

11. For example, one fairly typical contract stipulates that in addition to plugging and abandonment of the wellbore, "[A] ll equipment, casing, or junk that requires removal to implement restoration to lawful conditions shall be removed and properly disposed of in accordance with environmental laws… All liquid wastes shall be removed and properly disposed of at the nearest approved site… [and] The surface at the site shall be restored."

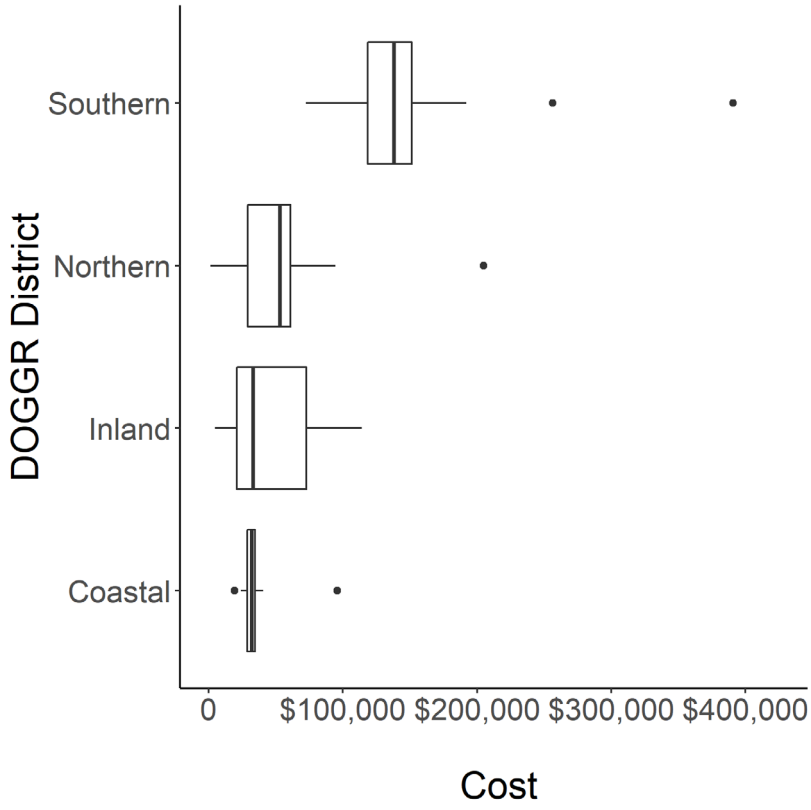

Figure 5. Well-level plugging costs by district. Each of the four panels shows a box-and-whiskers plot for well-level plugging costs in the sample of 86 recent plugging contracts provided by the Division. The thick vertical line indicates the median; thin vertical lines show the interquartile range (i.e., the 25th and 75th percentiles). Black dots represent outliers (values outside of the interquartile range (IQR) by more than 1.5 * IQR).

Figure 6 explores this variation in more detail. Panel (a) plots plugging costs against the date that the well was first drilled. Panel (b) plots plugging costs against population density. Older well ages and greater population densities are correlated with higher plugging costs. With this small sample of wells, it is difficult to disentangle correlation and causation. The Southern district wells in our small sample, which tend to be high cost, are located in more densely-populated areas and are older than average. Both age and population density have been reported to increase plugging and abandonment costs by Ho et al. (2018).[12] We also attempted to study the relationship between historical plugging costs and well depth but

12. Ho et al. (2018) provides a thorough and valuable summary of plugging costs across states, as well as detailed regression analysis of plugging costs using a sample of about 5,000 wells in Kansas. Their reported plugging cost for California is $31,000. That estimate is based on 113 wells in the Division's former District 2, which roughly corresponds to the coastal district in the Division's current four-district system. We find that incorporating costs from other districts yields a higher estimate because the other districts are systematically more expensive.

were limited by the availability of depth data, as we describe in Appendix B3.

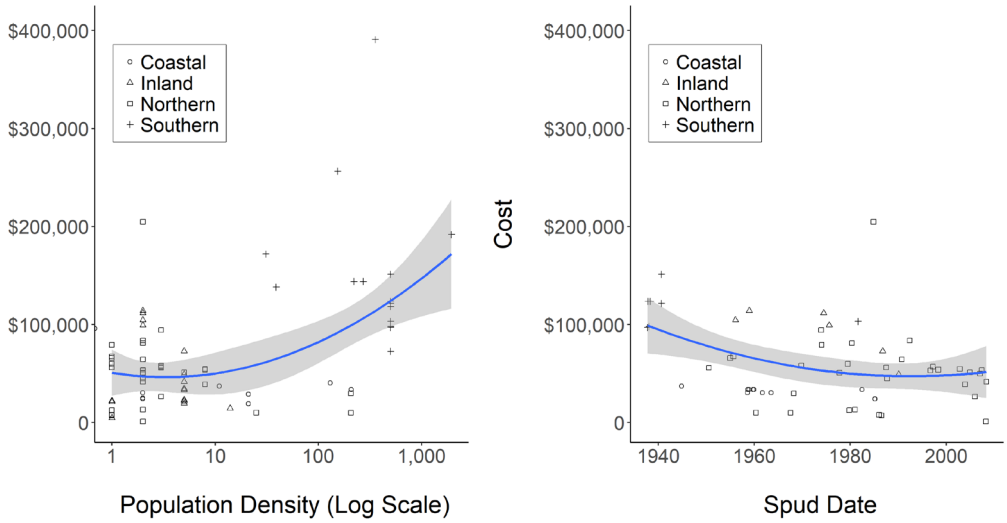

Figure 6. Variation in plugging and abandonment costs. These figures examine variation among the 86 wells with available information on plugging cost. The blue line and gray region indicate a quadratic fit and 95% confidence interval. Marker shapes indicate the four Division districts. Spud date is the date that drilling began. Spud dates were missing for 30 wells, so these are omitted from panel (b).

With a larger sample of plugging costs, determinants of California plugging costs could be investigated in more detail with regression analysis. Such analysis may be possible in the future using data from an industry source, or after the state accumulates cost records for future contracts. Given the limited data currently available, plugging costs for wells in each district were instead modeled using district-level averages. These average costs along with the number of observations for each district are in Table 7.[13]

13. All 86 of the well-level cost records provided by the Division are for onshore wells. Later in this section, when we consider future plugging costs, we use a placeholder estimate of $1.5 million for each offshore well based on the approximate per-well costs of plugging and decommissioning at Rincon Island and plugging and abandonment at Platform Holly (California State Lands Commission 2018a). While the large majority of idle wells are onshore, future analyses should consider offshore well costs in more detail.

Table 7: Average onshore plugging and abandonment costs by district

District	Observations	Average Cost
Southern	17	$152,000
Northern	32	$51,000
Inland	17	$47,000
Coastal	20	$40,000
Total	86	$68,000

Finding 3-6: Based on a small sample of well-level plugging costs, the statewide average cost to plug and abandon an onshore orphan well is $68,000. Costs in the densely-populated Southern district near Los Angeles are about three times higher than in other regions. Additional surface reclamation costs may be required for some wells.

Recommendation 3-4: Track expenses for orphan well plugging and surface reclamation at the individual well level in a centralized database. This will allow for more detailed understanding of the determinants of plugging and decommissioning costs, and thus more accurate cost predictions for future orphan wells.

Available bond funds to offset these costs

The Division collects performance bonds from oil and gas operators to align operator's incentives for plugging and decommissioning, and to offset these costs in the event that the operator does not perform their responsibility. This analysis suggests the effective amount of these bond funds is small compared to the predicted plugging costs calculated above. The Division provided information on bonds for all California oil and gas operators. Summing over all of the bonds for operators in the dataset, the total bond funds available to plug and abandon wells in California are about $110 million. Dividing by 106,687 active and idle oil and gas wells, this implies an overall average of just over $1,000 in available bond funds per well. Of course, the actual bond amounts available for each well depend on the bond posted by that well's operator, which are discussed below. But this simple average across all wells illustrates the rough size of bonds relative to the costs of plugging and decommissioning.[14]

The effective bond coverage for every well in California is calculated by dividing each operator's total bond amount by that operator's number of active and idle wells. Figure 7 describes these effective bond amounts for operators of different sizes. Effective bond amounts tend to be larger for operators with fewer wells, because blanket bond rules

14. The dataset provided by the Division does not include some bonds for offshore wells that are held by the State Lands Commission instead of by the Division. Many offshore platforms in California have bond coverage with the State Lands Commission of $20 million or more per platform, meaning that offshore bond coverage is substantially higher than onshore (though decommissioning costs are also substantially higher).

allow larger operators to post small bond amounts per well operated. Regardless of operator size, however, effective bond amounts are well below the predicted plugging and decommissioning costs discussed previously. Blanket bonds are one reason that these effective bond amounts are low. A second reason is that until recent increases, bond requirements in California had been quite limited.[15] Importantly, some California operators may be grandfathered in under prior bond requirements unless they have since undertaken significant rig work or acquired additional wells, or may have had their bonds released prior to plugging and decommissioning under old requirements. That means some operators of old wells in California may have no or very small bonds.[16]

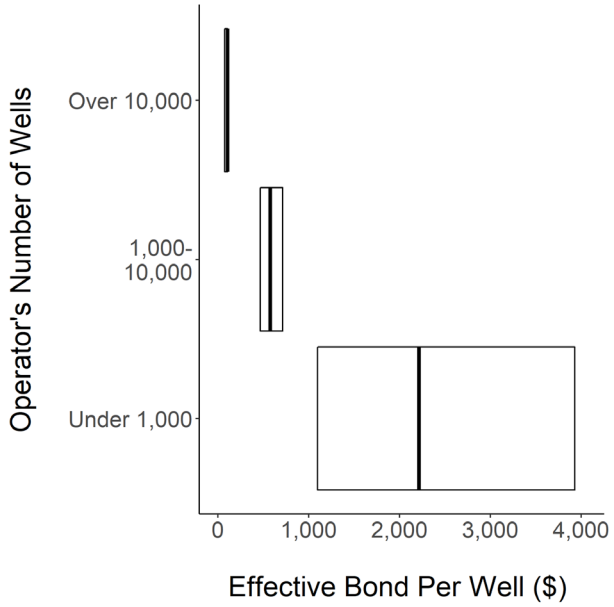

Figure 7. Available bond funds per well, by size of operator. This figure shows the median, 25th percentile, and 75th percentile of effective bond amount for wells with operators of different sizes. Effective bond amount is calculated by dividing each operator's total bond amount by the operator's total number of active and idle wells.

Finding 3-7: The bond amounts available to pay for plugging and decommissioning vary according to operator, but in almost all cases these amounts are substantially lower than the predicted costs.

15. As of January 1, 2018, bonds cannot be released until a well is properly plugged and decommissioned. However, prior to this, bonds could potentially be released upon completion of a well, prior to it being plugged and decommissioned.

16. The Division's records imply that 1,168 operators of active or idle wells have zero bond coverage. Together these companies account for about 3,350 wells.

Idle well fees and idle well management plans

As of 2018, California increased the fees it charges to operators of wells that have been idle for more than two years. Idle well fees provide additional revenue that can be used to fund the costs of plugging orphan wells. Chapter 2, Table 3 shows the current fees are small compared to the costs of plugging wells. For wells that have been idle less than 15 years, the fees are $300 per year or less and thus do little to offset plugging costs.[17] Fees are higher for wells idle longer than 15 years, eventually maxing out at $1,500 per year for wells idle for 20 years or more. These higher fees may contribute more meaningfully to revenues.

Using the Division's Idle Well List, we calculated the fees that would be required for each well, assuming the operator chose not to develop an Idle Well Management Plan.[18] This calculation implies an upper bound on idle well fees of about $16 million per year. The actual amount of idle well fees assessed will be smaller, since some operators will develop Idle Well Management Plans and thus avoid these fees, as explained in Chapter 2. In 2018, the actual amount of idle well fees that operators chose to pay was just under $4 million.

It is also important to note that idle well fees are only collectible while the well still has a viable operator. Fees assessed against defunct operators will not be paid. This is potentially significant because of the increase in idle well fees with years idle. In our calculation, almost two-thirds of the $16 million in possible idle well fee revenue comes from wells idle over 20 years. It may prove difficult to collect fees from operators of these very long-time inactive wells. At the time of this study, there were 2,296 idle wells whose operators had not responded to 2018 idle well letters, or could not be located to send the letter. In comparison, an advantage of bond requirements is to collect financial security at the outset of production, so that funds are guaranteed even if the operator is no longer viable.

The new Idle Well Management Plan (IWMP) requirements also have the potential to reduce the number of wells that may become orphan wells in the future. One additional benefit of the new regulation is to create an annual mechanism to verify the continued viability of operators. Failure to pay idle well fees or file an IWMP allows the Division to immediately identify legally deserted wells, a process that previously may have taken years of administrative effort. An important priority for future analysis will be to evaluate the contributions of idle well fees and the new Idle Well Management Plan requirements to offset orphan well liability and the number of wells at risk of becoming orphan wells. Such an analysis will have to consider the length of time wells are likely to be kept idle before being plugged by the operator or orphaned, the State's success in collecting idle well fees

17. Using the fee schedule from Chapter 2, Table 3, a well kept idle for 14 years before being orphaned would contribute $2,850 in idle well fees. Compare this to the average plugging cost in Table 7 of this chapter, which is $68,000.

18. The statutory definition is "any well that for a period of 24 consecutive months has not either produced oil or natural gas, produced water to be used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection" (PRC § 3008(d)).

from operators, and other factors.

Finding 3-8: Idle well fees may offset some of the State's eventual liability for orphan wells. A rough calculation suggests that this contribution would be small with the current fee schedule.

Recommendation 3-5: Leverage the new annual Idle Well Fee/Idle Well Management Plan requirement to yield a more detailed count of wells without viable operators. Failure to file the annual idle well fees or an idle well management plan can serve as legal evidence of desertion.

Do plugging and abandonment requirements reduce option value from potential future production?

A common challenge in analyzing and regulating idle wells is understanding whether wells are kept idle because the operator has a reasonable expectation of eventually resuming production, or is simply deferring plugging and decommissioning costs. If it is the former, regulations forcing the well to be plugged create additional economic costs in terms of foregone option value. Plugging the well today increases the cost of resuming production in the future if prices or technology improve. It is impossible to know any individual operator's expectations about future production, but we can use historical data on idle wells to understand the average likelihood of returning to production after a given interval with no production. The most sophisticated existing economic research on this question is Muehlenbachs (2015), which considers idle oil and gas wells in Alberta, Canada. That study concludes that most long-term idle wells are unlikely to return to production even with large increases in output prices or improvements in production technology. Given appropriate data, such a study could be done specifically for California. Appendix B describes a first pass at this type of analysis for California using the data readily available for this study, and describes what would be required to study this question in more detail.

Overall summary of potential orphan well costs

Table 8 summarizes the State's potential liability for orphan oil and gas wells. The "Cost" column presents the total predicted plugging and abandonment cost for wells in each group, based on the district-specific average plugging costs discussed earlier in this chapter. The "Available Bonds" column sums up the total bond funds available for wells in each category. The "Net Liability" column shows the difference, which is the State's potential liability for orphan wells. All dollar values are rounded to the nearest million dollars. For the 2,565 wells we identified as "likely orphan wells", the aggregate predicted plugging cost is about $308 million. These wells are concentrated near Los Angeles and Long Beach, where

plugging costs are systematically high. For comparison, the Division's annual budget for orphan well remediation projects has historically been about $1 million per year (though a recent appropriation increased that amount to $3 million per year for three years). The costs of the "likely orphan wells" are partially offset by about $10 million in available bond funds for these wells. That leaves about $298 million of the projected costs of these wells with the State. The group of "wells at high risk of becoming orphan wells" would add another $230 million in net costs to the State if they were all to become orphan wells, for a total potential liability of about $528 million across these two groups.

Table 8: Total potential orphan well costs among active and idle wells

Group	Wells	Cost (M)	Available Bonds (M)	Net Liability[19] (M)
Likely Orphan Wells	2,565	$308	$10	$298
Wells at High Risk of Becoming Orphan Wells	2,975	$246	$16	$230
Other Idle and Marginal Wells	69,425	$5,287	$53	$5,234
Higher-Producing Wells	31,722	$3,385	$27	$3,358
Total	106,687	$9,226	$107	$9,120

After these two groups, there are 69,425 remaining idle and marginal wells. In the unlikely event that 100% of these remaining wells were to become orphan wells, the additional net liability to the State would be about $5.2 billion. While this scenario is unlikely, the number of wells in this category means that the State faces large possible costs, particularly in the event of a prolonged negative shock to the oil and gas industry. Notably, the available bond coverage in the "other idle and marginal wells" category is lower on a per-well basis than in the previous two categories. This reflects the fact that many of these wells are operated by large companies with blanket bonds covering thousands or tens of thousands of wells.

After adding in the 31,722 high-producing wells, the total net cost to the State if it were to have to plug all active and idle California oil and gas wells would be about $9 billion. This total cost estimate is interesting not only as an unlikely "worst-case" scenario for state plugging liability, but also as an estimate of the total plugging and abandonment liability facing the California industry (regardless of whether it is borne by companies or the State). Over the longer run, as these wells decrease in production and potentially change hands between operators, the ultimate share of these wells that are responsibly decommissioned by their operators will depend on policy decisions as well as market fundamentals.

19. This net liability figure ignores offsetting revenues earned through idle well fees, as discussed in this chapter. Our analysis suggests these fee revenues are likely small compared to plugging costs, but further study of idle well fee revenues is required, as we describe.

This summary calculation omits an additional difficult-to-quantify financial risk posed by 121,961 wells that have already been plugged (see Table 6). The plugging and abandonment procedure must provide an effective isolation of the well fluids all along the well. Wells plugged according to older technologies and regulations may still pose some risk of contamination. Table 6 shows that 41,390 wells were plugged prior to modern plugging requirements. The precise risk posed by these older plugged wells is unknown.

Conclusion 3-1: If all of the roughly 5,000 wells that we identify as having the highest orphaning risk were to become orphan wells, the State's net costs after subtracting out bond funds could be about $500 million. The total net difference between plugging costs and available bonds across all oil and gas wells in the state is about $9.1 billion.

Recommendation 3-6: Study potential changes to blanket bond rules that would increase the effective per-well bonds for economically marginal wells. The Division should consider whether securing larger effective per-well bonds while wells are still profitable would avoid enforcement challenges once wells become idle.

Recommendation 3-7: Use the results of a more detailed investigation beyond the limited scope of this study to conduct an economic analysis of policy alternatives. The Division should identify specific policy changes with the greatest promise to manage costs from existing orphan wells and to efficiently regulate the number of additional orphan wells going forward.

Chapter 4

The Policies and Practices of Plugging and Decommissioning in Other States and Regions

Regulation overview: California in comparison with other states and regions

Ensuring that state policy adequately manages idle and orphan wells and their potential costs to the state is difficult to achieve. With an annually increasing inventory of historical wells—some many decades old—which for one reason or another require some form of remediation, most states have struggled to ensure they are able to adequately manage their well populations.

Most states regulate at least four principal aspects of potential or actual well decommissioning:

1. Financial assurance
2. Idle (or inactive) well status
3. Plugging and restoration
4. Notification, inspection, and approval

California is comparable to many other states in this regard. Like most regions, California's regulations have not been entirely sufficient to effectively monitor the scope of the orphan well problem, nor to ensure adequate financial resources to plug them. However, the State has been proactive in recent years and taken numerous steps that make its current financial assurance requirements among the strictest in the nation. Many other states and regions are in the process of re-evaluating their own orphan well management, and it remains to be seen whether and to what extent they choose to emulate the approach taken by California.

Finding 4-1: Relative to other states, California has been proactive in enacting some of the strictest financial assurance requirements in the nation, although the requirements still do not cover the full costs of plugging orphan wells.

Finding 4-2: Many states and regions have been forced to re-evaluate their regulations and financial assurance systems for orphan wells in recent years due to challenges in funding orphan well plugging.

Financial assurance

In every state, operators have to provide some form of financial assurance for a well at the time that it is drilled. This assurance is intended to cover or mitigate the eventual costs of plugging the well and/or environmental impacts caused by the well, in the event the operator at the time the well is terminated is unable or unwilling to do so. The type and scope of the assurance has changed considerably over time, with states attempting to ensure the most effective way to cover the price of decommissioning wells. Some states also express concern that operators, particularly smaller ones, may be less willing to invest in wells in states where more costly financial assurances are required (Ho et al., 2016). Broadly speaking, economic and policy analysis finds that financial assurance requirements improve operators' behavior, and the actual amounts required in most jurisdictions may be too low (Davis, 2015; Ho et al., 2016; Boomhower, in press)

Finding 4-3: Financial assurance requirements across states, such as indemnity bonds and fees, are broadly found to improve operator behavior.

States accept various types of financial assurance, including surety bonds, letters of credit, certificates of deposit, cash, escrows or trust accounts, liens, government bonds, or annual fees. California accepts bonds, certificates of deposit (CDs), or cash (it used to accept escrow accounts, but no longer does). Operators may choose between individual and blanket bonds as forms of assurance. Individual bonds cover a single well, while blanket bonds cover a number of wells. The amount of these bonds varies, but generally, most states do not collect sufficient financial assurance to cover the entire costs of decommissioning orphan wells (Louisiana Legislative Auditor, 2014; Ho et al., 2018).

The bond amount required depends upon the characteristics of the well and/or the operator. In terms of physical well characteristics, California determines individual bond amounts by well depth, idle status, and location (onshore or offshore). Well depth is the most common characteristic employed by states to determine bond amount, but not the only one; a few states also differentiate between the type and location of the wells. Like most states, California also differentiates between large and small operators, allowing a range of blanket bonds whose costs depend on an operator's total number of wells in the state. As discussed in Chapter 2, blanket bonds in California range from $200,000 to $3,000,000, depending on the total number of wells operated in the state. California requires a $1,000,000 blanket bond for one or more offshore wells, and also requires a security to cover the full cost of plugging and decommissioning an operator's offshore wells. At present California's current requirements for new or newly-transferred wells are at the upper end of the scale in terms of minimum bonds required. Unlike other states, however, existing wells in California may be grandfathered in under previous bond requirements if operators have

not reworked or acquired any wells since the most recent requirements were implemented.[1] Additionally, some wells may have had their bonds released upon completion of the well under old requirements, prior to plugging and decommissioning. This situation contrasts with a universal bond requirement, as implemented by Texas, where all qualifying operators would be required to file the new bond amount at the time of the policy's implementation. Most states, and the Bureau of Land Management, have a minimum blanket bond amount set at $25,000. California also requires idle well fees—or an Idle Well Management Plan—even if an idle well is already covered by a bond.

Finding 4-4: California is now at the upper end of minimum bond amounts currently required, but existing wells in California may be covered by older bonds or no bond at all depending on when they were last drilled, reworked, or acquired, and whether the bond was released prior to plugging. This contrasts with a universal bond requirement, as implemented by Texas, where all qualifying operators would be required to file the new bond amount at the time of implementation.

Financial assurance requirements in most states do not fully cover orphan well-related costs. Wyoming, which has bonding requirements similar to California, spent $11 million plugging orphan wells between 1997-2014, but only $3 million was covered by bonds put up as financial assurance by operators (Joyce & Wirfs-Brock, 2015). Another study found the average and median decommissioning costs exceeded average bond amounts in all 22 states examined (Ho et al., 2016). A separate study of average bond amounts and average costs of well plugging in 13 states found that two states, Texas and Oklahoma, did have average bond amounts which exceeded the average cost of orphan well plugging (Ho et al., 2018). Texas's introduction of a universal bond requirement in the early 2000s changed the composition of the industry, re-allocating production to companies less likely to avoid liability through bankruptcy and improving environmental compliance (Boomhower, in press).

One of the issues in estimating financial assurance requirements is that well plugging costs are variable depending not only on the specific location and characteristics of the well, but also on the price of oil at the time. When oil prices and production are high, there are higher prices for drilling wells, and consequently more competition for the service providers contracted to plug orphan wells. One recent study (Ho et al., 2018) found a $1 per barrel increase in oil price correlated with a 1.6% increase in plugging costs.

California has modified its bonding requirements repeatedly over the past five years (Wolk, 2013; Williams et al., 2016) and increased potential bonding requirements for offshore drilling as recently as September 2018 when SB 1147 (Hertzberg) was signed by the Governor. Some have suggested that an effective way to ensure that states would be

1. PRC § 3204: "An operator who…engages in the drilling, redrilling, deepening, or in any operation permanently altering the casing, of a well, or who acquires a well, shall file with the supervisor an individual indemnity bond for each well so drilled, redrilled, deepened, or permanently altered, or acquired."

able to cover the cost of orphan wells would be to tie bonding requirements to production (Andersen et al., 2009); others indicate that bonding requirements should be a minimum of $250,000 per well (Dutzik et al., 2013). However, these are not approaches states have opted for (Joyce & Wirfs-Brock, 2015). Instead, they all have specific bond amounts, generally linked to well depth, starting in some cases as low as $500 per well.

California law does not require a test of financial capability, but where an operator has a history of violating legal requirements or has outstanding financial liabilities, as of 2018 they may be required to provide a separate life-of-well bond adequate to ensure the full costs of proper plugging and decommissioning of each well.[2]

Compared to other states, California has been somewhat proactive in attempting to modulate its financial assurances to better provide for costs relating to orphan wells. However, its requirements have been insufficient to cover costs. Along with the Division's annual expenditure authority for hazardous or orphan wells and facilities, recently increased to up to $3 million per fiscal year, the State has relied on two funds supported by industry fees to plug priority orphan wells annually: the Acute Orphan Well Account and the continuously appropriated Hazardous and Idle-Deserted Well Abatement Fund (HIDWAF). At the end of fiscal year 2016-17, the combined total in these funds was just over $1.1 million. In cases where costs of plugging wells are higher than normal, such as for offshore wells or wells in highly populated areas, the funds are not sufficient to pay the costs. This lack of funds has occasionally required special appropriations in the State budget.

It should be noted that regions outside the US have adopted different strategies. The Canadian province of Alberta, which had more than 3,200 orphan wells in 2017, generally relies on two policy tools to address potential well plugging costs: an orphan well levy collected from all well operators, and a form of contingent bonding called the Liability Management Regime (LMR; Dachis et al., 2017). The well levy, which is set as a proportion of firms' share of total liabilities, does not differentiate between financially strong and weak producers, and is not reflective of environmental risk. The LMR system does account for the financial strength of producers, and uses a three-year netback to calculate the value of their assets in order to account for fluctuating energy prices, which affect the value of the well. While Alberta's system has been adequate to cover costs in the past, a rising number of operator insolvencies, in combination with lower oil and gas prices, mean the existing system will not remain sustainable unless modifications are made. Further, Canada is confronting major legal questions regarding the order of priority for decommissioning costs in bankruptcy proceedings.

Finding 4-5: In Canada, Alberta collects an orphan well fee from all operators and utilizes contingent bonding based on the financial strength of the operator to pay for orphan wells. However, Alberta is facing an increase in insolvencies in combination with lower

2. CCR, Title 14, § 1722.8.

oil and gas prices and hearing major legal questions regarding the order of priority for decommissioning costs in bankruptcy proceedings.

Idle well management and regulation

When a well's production drops below a certain threshold the decision to continue producing will depend upon oil or gas prices. Operators may choose to stop production on a well that is not performing at an economical rate, keeping it officially active but maintaining it in an idle state rather than decommissioning it. Most states impose a limit on the amount of time a well can remain idle, after which the operator has a choice of restarting production, adopting a status called temporary abandonment (which is also generally limited), or decommissioning the well altogether. Generally, wells that are idle or temporarily abandoned come with stipulations that operators take some steps to limit or mitigate potential environmental impacts. States allow this as an incentive for operators who may reactivate the wells in the future, as it's more expensive to reactivate a fully decommissioned well than one which is simply idle. However, research has shown that the longer a well is idle, the greater the environmental risks, and that there is a low likelihood of returning a well to production (Muehlenbachs, 2017).

California in some respects has been more permissive than most states, with no specific limit on the time a well may remain idle before it must resume production or be decommissioned. Previously, California had a 300-month limit on a state of temporary abandonment, which was significantly longer than most states. Most states (19 out of 22 surveyed by Ho et al. (2016)) imposed a limit of no more than 24 months for idle wells, and (excluding California) an average maximum of 28 months for temporary abandonment; only six other states had default time limits as high as 60 months. All of the states but New Mexico, which regulates the duration of temporarily abandoned well status, allowed for some form of extension. Outside of the U.S., the provinces of Alberta and Saskatchewan also had no time limits for suspended wells (Dachis et al., 2017).

Finding 4-6: In contrast to California, many states imposed a limit on the length of time a well may be idle. However, in practice the impact of these rules tends to be limited by exemptions and extensions.

California was one of only two states (along with Texas) that didn't have explicit notification, approval, and inspection requirements for idle wells. Of the other states surveyed, only four require simple notification; the remaining 16 require some form of approval and/or inspection from the state before a well can be declared idle.

Although aspects of California's idle well regulations may be less stringent than other states, California has taken steps to try and limit the amount of time operators maintain wells in this status by increasing the fees required as in AB 2729 (Williams et al., 2016). This was intended as a financial disincentive to keeping wells idle for longer periods of time, during which time they may be more likely to have negative environmental impacts. As an

alternative to fees, operators may file an idle well management plan, which requires the operator to eliminate a specific percentage of their long-term idle wells each year based on how many idle wells they have. In addition, AB 2729 also established requirements for idle well testing, beginning at least two years after a well becomes idle.[3] For idle wells that have been idle for 15 or more years, they will be required to be tested through an engineering analysis to show that they could potentially return to production. As of September 2018, the Division has proposed updated testing and management regulations with a deadline for public comment of September 13, 2018.

Plugging and restoration regulations and procedures

There exists significant variation among state regulations concerning how a well should be properly decommissioned. There are multiple aspects of well decommissioning that regulations may cover, including the types of material used, whether a surface casing plug is required, how or if the casing needs to be removed, and subsurface geography, such as oil- and gas-producing strata, water-bearing strata, and so forth. While pertinent regulations in virtually all states contain some general language about plugging the wells adequately, only some states offer specific requirements as to what kinds of materials and/or methods need to be used, and under what circumstances.

California regulations are more specific than most states in many respects, although the state has gaps in some areas compared to others. Ho et al. (2016) identified 17 regulatory elements which they used to survey 22 states and the BLM; they found California regulations to address 13 of these, placing the state in the bottom tier of the survey group. In terms of the stringency of their regulations overall, California placed ninth and sixteenth respectively in their quantitative and qualitative assessment of these regulations.

However, where California does have regulations in place, they tend to be more specific than many other states. For example, California was one of only three states surveyed with prescriptive requirements for different types of well plugs depending on the location within the well (bottom, middle, or top). Only Colorado and Ohio had similarly specific regulations for all three. California also requires permanent marking of decommissioned wells, a requirement in only half of the states surveyed. Both operators and regulators are required to report idle wells—a situation shared only by Wyoming and BLM lands. California's plugging regulations require plugs to be placed at the surface casing shoe, across oil and gas bearing strata extending 100 feet above the strata, extending from 50 feet below to 50 feet above water-bearing strata, and a 50-foot plug at the surface of the wellbore (NPC, 2011).

Notification, approval, and inspection requirements

California policy is similar to most other states with regard to reporting idle wells, the

3. This testing includes fluid level tests and casing pressure tests, with a follow-up schedule dependent upon the psi of the initial pressure tests.

plugging of wells, and decommissioning. California requires both regulators and operators to file reports detailing idle wells. It requires inspection pre- and post-plugging of the wells, but not post restoration of an abandoned well. In this, it is comparable to most other states reporting. Of those states which have evaluated their own abandoned well policies, most have concluded that they have not sufficiently ensured that operators comply with regulations (Louisiana Legislative Auditor, 2014; Joyce & Wirfs-Brock, 2015). California is no different in this regard. Outside the US, some Canadian provinces have a more rigorous and transparent system for ensuring required inspections and compliance. The Alberta Energy Regulator (AER) requires inspections at each stage and publishes regular reports on compliance violations and punitive actions taken.[4]

Most analyses which examine orphan well plugging and decommissioning costs warn that the price of plugging is likely to continue rising, if for no other reason than that the strongest single predictor of plugging cost appears to be the depth of the well, and well depths continue to rise. These rising costs, along with a potential need for older wells to be remediated in the future, suggests any financial assurance model based on static costs may require periodic revision. California's continual revisions to the regulations governing financial assurances indicate the state is more proactive than most in recognizing and attempting to manage the issue of orphan well closures. However, like most states, the state has (until recently) not had an enforcement infrastructure or adequate policy framework in place to effectively gauge the true scope of its potential and actual orphan well issues. California is implementing changes, including the recently updated idle wells program and the establishment of an Office of Enforcement, which should provide both more information about the scope of the issues and more effectively enforce regulations going forward.

Finding 4-7: As the total number of wells, cost to plug each well, and number of older wells requiring remediation is likely to increase for the foreseeable future, it is likely that any financial assurance model based on a static cost level will require periodic revision.

Conclusion 4-1: Historical experience and policy analysis in oil-producing regions throughout North America demonstrate the urgency and importance of orphan and idle well regulation. Most studies agree that higher bond requirements for operators will more fully internalize orphan well liabilities. Laws governing the priority of decommissioning costs are also important in determining potential costs to governments when operators become insolvent.

4. http://www1.aer.ca/compliancedashboard/enforcement.html

Conclusion

Significant financial concerns exist about decommissioning inactive wells—that is, permanently plugging the wells and reclaiming the surrounding well sites. All producing states and regions face challenges with managing and decommissioning what are known as orphan wells, those without a responsible owner. Since drilling began in the United States in the 1850's, over 2.5 million wells have ceased production. As of 2007 at least 149,000 of these are known to be orphan wells, though the actual number of orphan wells requiring potential remediation is almost certainly significantly higher.

Even the most productive well has a certain useful lifetime. Plugging the well properly at the end of this lifetime can be an expensive procedure whose cost can fluctuate significantly depending on numerous factors, including the well's depth, location, and the price of oil. Wells often pass through the hands of multiple operators through their operational lifetime; frequently operators controlling wells near the end of their lifetime are smaller companies more vulnerable to bankruptcy or dissolution, resulting in orphan wells which the state must then step in and plug itself.

As the overall number of wells has increased, so too has the number of orphan wells, and concomitantly the various states' financial burden. In recent years, state legislatures and oil and gas regulators have increased funding for well cleanup by appropriating more money and increasing bonding requirements. They also have tried to make it harder for companies to walk away from their wells, such as by intervening earlier to prod companies to reactivate or plug wells that are sitting idle.

California, like many states, has devoted increasing effort in recent years to designing a regulatory framework which seeks to both reduce the number of operators orphaning wells in the first place and secure financial assurances adequate to pay for plugging the well when necessary. Currently, California requires well operators to obtain individual or blanket bonds prior to drilling, reworking, or acquiring a well or wells. The amount of the bond required depends on the depth of the well, the number of wells owned by the operator, and the location of the well; bond amounts for most wells range from $25,000 for a single well to $3,000,000 for a blanket bond covering multiple wells. Offshore wells, which comprise only 2% of wells in California but are much more expensive to plug, require an additional bond. The State also collects fees on wells that are kept idle by operators. While the effective amount of bond funds varies across wells, an analysis of the Division data shows that bond funds are typically far below likely plugging and remediation costs.

The Division is currently in the process of implementing updates to their idle well fee and management requirements, including new idle well testing and reporting requirements. These requirements are intended to improve management of this population of wells and protect the State and public against both environmental and financial costs. Future

evaluation efforts will gauge the success of these new regulations. For now, at least, there remain significant financial concerns about the existing inventory of orphan wells and the stock of inactive wells that could be orphaned.

While the State currently maintains a comprehensive list of idle (non-producing) wells, the share of these wells that are orphan wells is unknown. A coarse analysis of data provided by the Division on 228,648 wells suggests there are 2,565 "likely" orphan wells belonging to operators with no reported California activity in five years, and an additional 2,975 wells at high risk of becoming orphaned, which have had no production over the past five years and are owned by smaller operators with primarily low-producing wells (which other research suggests are more likely to orphan wells). After subtracting out bond funds associated with the wells, the potential net liability to the State for wells in these categories is about $500 million. There are an additional 69,425 idle and marginal wells and 31,722 higher-producing wells. The eventual cost to plug and abandon all existing wells in California is found to be about $9.1 billion. The share of this long-run cost that will be borne by the State (as opposed to operators) will depend on policy, market outcomes, and other factors.

It is too soon to tell whether California's current bond requirements and idle well fee collection will prove adequate to cover the cost of orphan well plugging in upcoming years. One of the most significant challenges facing California, along with every other state, is inadequate data. It is not possible to adequately assess the scope of the problem when information about the status of idle wells is incomplete and gathered intermittently. For one thing, existing wells in California may be grandfathered in under previous bond requirements if operators have not reworked or acquired any wells since the most recent requirements were implemented. Also, some wells may have had their bonds released upon well completion, prior to plugging and decommissioning, under old requirements. This contrasts with the approach taken in other states such as Texas, which has implemented a universal bond requirement applicable to all wells, and which was one of the few whose available bond funds have been sufficient to offset the cost of plugging orphan wells in recent years.

As noted earlier, California's situation is not unique. Analyses have found that most states struggle to meet the costs of plugging orphan wells and typically decommission only a fraction of known orphan wells each year. Like California, the states surveyed have updated their regulations in recent years but these efforts have generally proven insufficient to meet expenses so far.

The estimates we provide in this paper are preliminary and based on coarse sorting criteria using available data. As the Division implements the updated idle well regulations, with mandatory annual reporting requirements, California will gain a more comprehensive and accurate list of remaining hazardous and orphan wells, along with a better sense of responsible operators based on compliance with the updated requirements.

Historical experience and policy analysis in oil-producing regions throughout North

America demonstrate the urgency and importance of orphan and idle well regulation. Most studies agree that higher bond requirements for operators will more fully mitigate the State's orphan well liabilities. Laws governing the priority of decommissioning costs are also important in determining potential costs to governments when operators become insolvent.

California's recent regulatory changes are encouraging. However, it is essential that California continue to evaluate the status of its potential financial liability in upcoming years. A more detailed analysis will be necessary once the State's new idle well reporting requirements are in place, in order to ascertain the State's actual and potential liability more accurately.

The State must also be prepared to accept the fact that, due to the rising number of wells overall, cost to plug each well, and number of older wells requiring remediation, it is likely that any financial assurance model based on a static cost level will require periodic revision. Hopefully, the new information collected and subsequent analyses will help ensure that the State is in a better position to understand its liability, and that such revisions may be implemented in a timely manner.

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Glossary

Abandon – to properly plug and/or decommission a well

Blanket bond – a single bond or bond amount to cover one or more wells

Decommission – to remove all of the components of a production facility and restore the site where it is located

Idle well – a well that has not, for 24 consecutive months, produced oil or natural gas, produced water to be used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection

Indemnity bond – also known as a surety bond, an agreement between three groups, the principal conducting the work (operator), the obligee to whom money is owed if obligations are not met (the State), and a surety bond company (surety)

Insolvent – unable to pay one's debts or when liabilities are greater than assets held

Long-term idle well – a well that has been an idle well for 8 or more years

Marginal well – a well that produces fewer than 10 barrel-of-oil equivalents per day

Orphan well – a well for which there is no known responsible operator or no financially viable operator capable of plugging and decommissioning the wells

Plug – to properly isolate, using cement and cement plugs and other required materials, the oil or gas containing components of a well from their surroundings, including from water reservoirs

Appendix A

Additional Background

A1. Select history of bonding requirements in California

Table 9: Select history of bonding requirements in California

Bill, Chapter	Year Bill	Individual PRC § 3204	Blanket Bonds PRC § 3205	Offshore Bonds PRC § 3205.1	Cash Bonds PRC § 3205(3)(b)	Idle Well Bonds and Fees PRC § 3206	Idle Well Mgmt. Plan PRC § 3206	Idle Testing/Reporting PRC § 3206.1
SB 724	**2017** SB 724							
AB 2729	**2016** AB 2729		Adds $2,000,000 > 500 and ≤ 10k $3,000,000 > 10k wells Repeals $2M all-inclusive bond		Removes explicit cash bond language in PRC, references Code of Civil Procedure bonding section	Fees for idles, even if bonded: 3 to under 8 yrs: $150 each 8 to under 15 yrs: $300 each 15 to under 20 yrs: $750 each 20 or longer: $1,500 each OR Idle Well Plan Repealed escrow option	≤ 250: 4% reduct.* 251 to 1,250: 5% reduct.* ≥ 1,250: 6% reduct.* *not less than one well/yr	Est. testing; 15 years+ tested that could return to production, not req. until at least 2 years after idle unless within 1/2 mile to underground drinking water. Reporting reqs for idle/orphan wells
SB 665	**2013** SB 665	$25,000 < 10k ft $40,000 ≥ 10k ft	When altering 20 or more wells: $200,000 ≤ 50 in state + Idle fees/bonds $400,000 > 50 in state + Idle fees/bonds $2,000,000 All, covers idle fees/bonds	$1,000,000				
AB 2581	**2000** AB 2581	Revised operator liability for reabandonment; expanded supervisor authority						
SB 1763	**1998** SB 1763	$15,000 < 5k ft $20,000 — $30,000 > 10k ft	When altering 1 or more wells: $100,000 if 50 or fewer in state $250,000 if more than 50 in state $1,000,000 All wells and idle fees extra		Blanket: If prior to 1/1/1999 increased minimum $30k per yr until matching	Less than 10 yrs: $100 10 to under 15 yrs: $250 15 yrs or longer: $500 OR $5,000 escrow per ($500 per year for 10 yrs) OR $5,000 indemnity per OR Management Plan AND Acquired idles need bonds	≤ 20 idle wells: 1 per yr. 21 to 50: 2 per yr. 51-100: 5 per yr. 101-250: 10 per yr. > 250 wells: 4% per yr.	
SB 2007	**1996** SB 2007	Fallback to transfers on or after 1/1/1998						
AB 1504 Ch. 1179	**1993** AB 1504			Allowed full cost security for plugging all offshores				
SB 2693	**1990** SB 2693					$5,000 bond/well or $100,000 blanket or $100/well annually		
Ch. 112	**1977** Ch. 112	$10,000 < 5k ft $15,000 -- $25,000 > 10k ft	When altering 1 or more wells: $100,000	$250,000	$12,000 $18,000 $30,000 Blanket: $120,000 Offshore: $300,000			
Ch. 794	**1976** Ch. 794	$25, 000 / well	When altering 1 or more wells: $250,000		$30,000 Blanket: $300,000			
Ch. 898	**1972** Ch. 898	Need bond to plug						
Ch. 1670	**1955** Ch. 1670		When altering 1 or more wells: $25,000					
Ch. 93	**1939** Ch. 93	$5,000 / well	When altering 5 or more wells: $25,000 (Covers all wells)					
Ch. 718	**1915** Ch. 718	Division established						

Appendix B

Additional Results

B1. Alternative rules for identifying orphan wells

Our analysis in Chapter 3 proposes a rough screen for categorizing wells according to their risk of becoming orphan wells. This section explores how the results of that exercise vary if we change the assumptions used to classify wells.

Figure 8 shows the number of "likely orphan wells" and "wells at high risk of becoming orphan wells" under a range of assumptions. The 40 markers in this figure represent well counts under different classification rules. The green circles show how the number of "likely orphan wells" varies with the minimum required period of inactivity at all of an operator's wells. Varying this period between one and ten years has a small effect on the implied count of likely orphan wells.

The three other marker types explore the number of wells "at high risk of becoming orphan wells." Recall that these are currently inactive wells whose operators are active but potentially vulnerable to insolvency or otherwise at risk of not plugging and abandoning wells. Each symbol type corresponds to a different rule for identifying potentially vulnerable operators. The various points for each symbol type show the number of wells that have been idle for the number of months on the horizontal axis, and whose operators are vulnerable under the given vulnerability rule. In our main analysis, we define operators as vulnerable if they have fewer than 1,000 wells and their average production is less than five BOE per well per day. That rule is shown with the orange triangles. The purple squares and pink crosses vary the number of wells threshold up and down, while maintaining the five BOE per well per day threshold.

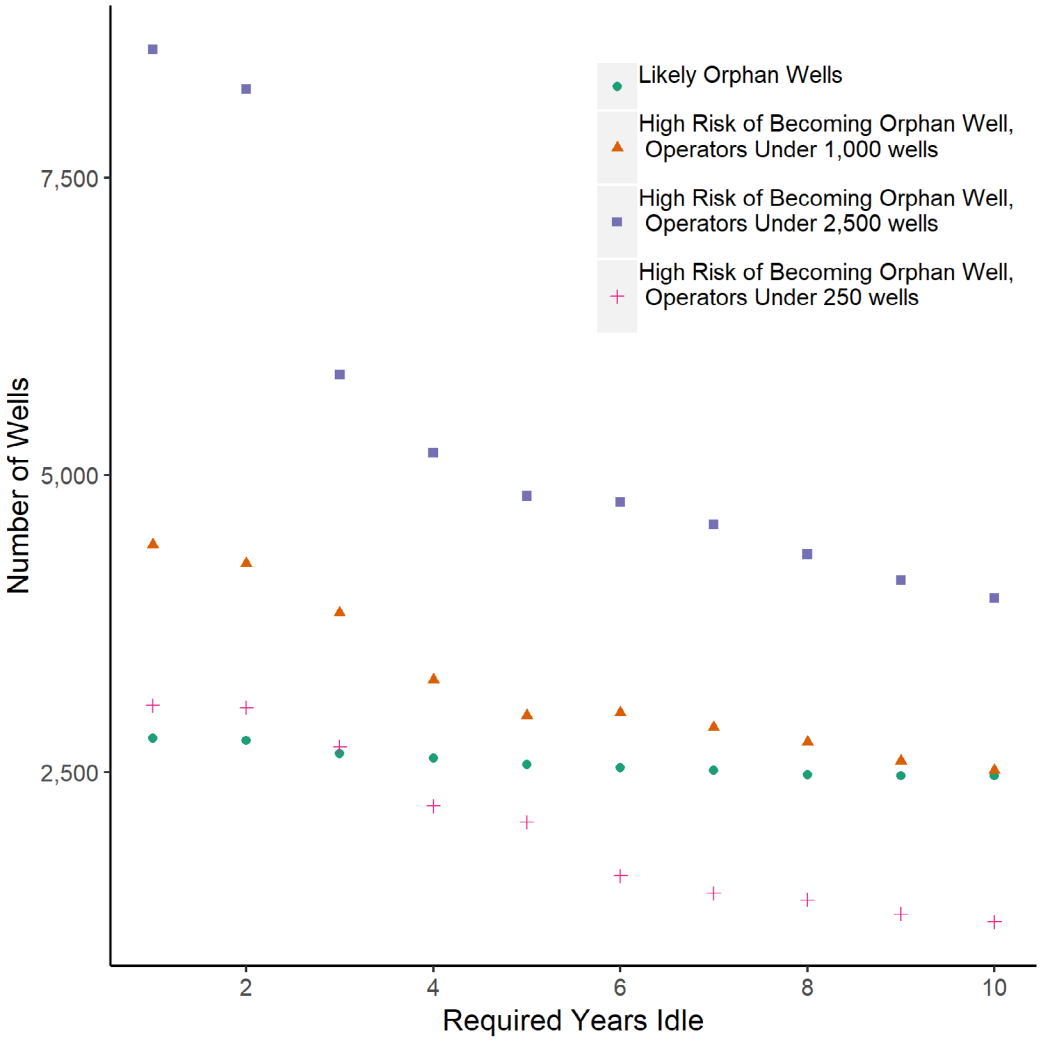

Figure 8. Alternative assumptions for orphan well risk assessment. Each marker shows a count of wells in a given category, using various assumptions about orphan well risk. The marker styles correspond to four different sets of related assumptions. See text for details.

B2. Probability of restarting production

A common challenge in analyzing and regulating idle wells is understanding whether wells are kept idle because the operator has a reasonable expectation of eventually resuming production, or simply to defer decommissioning costs. If it is the former, plugging the well creates additional economic costs in terms of foregone option value. Plugging the well today increases the cost of resuming production in the future if prices or technology improve. It is impossible to know any individual operator's expectations about future production, but we can use historical data on idle wells to understand the average likelihood of returning to production after a given interval with no production. The most sophisticated existing economic research on this question is Muehlenbachs (2015), which considers idle oil and gas wells in Alberta, Canada. That research concludes most long-term idle wells are unlikely to return to production even with large increases in output prices or improvements in production technology. Given appropriate data, a similar study could be carried out for California. This appendix describes a first pass at this type of analysis for California using the data that were readily available and describes what would be required to study this question in more detail.

One relatively straightforward statistic to calculate is the share of wells kept idle in the past that have eventually returned to production. Specifically, conditional on reaching a given length of time without producing (and without being plugged), what is the probability that an idle well will eventually return to production? Figure 9 reports the results of such a calculation. For wells with a given period idle during 1977—2008, the figure shows the probability that the well resumed production prior to the end of 2017. Intuitively, the probability of resuming production decreases with the length of time since the well last produced. After one year idle, there is an almost 50% chance of resuming production on average. Once a well has been idle for 25 years, that probability falls to about 12%. This retrospective analysis represents a historical average across all wells and should be interpreted with caution. There may be substantial heterogeneity in restart probabilities across different fields, well types and operators. A detailed study of option value associated with idle wells in California would need to consider these factors. In addition, it would be important to consider a range of future price and technology projections.

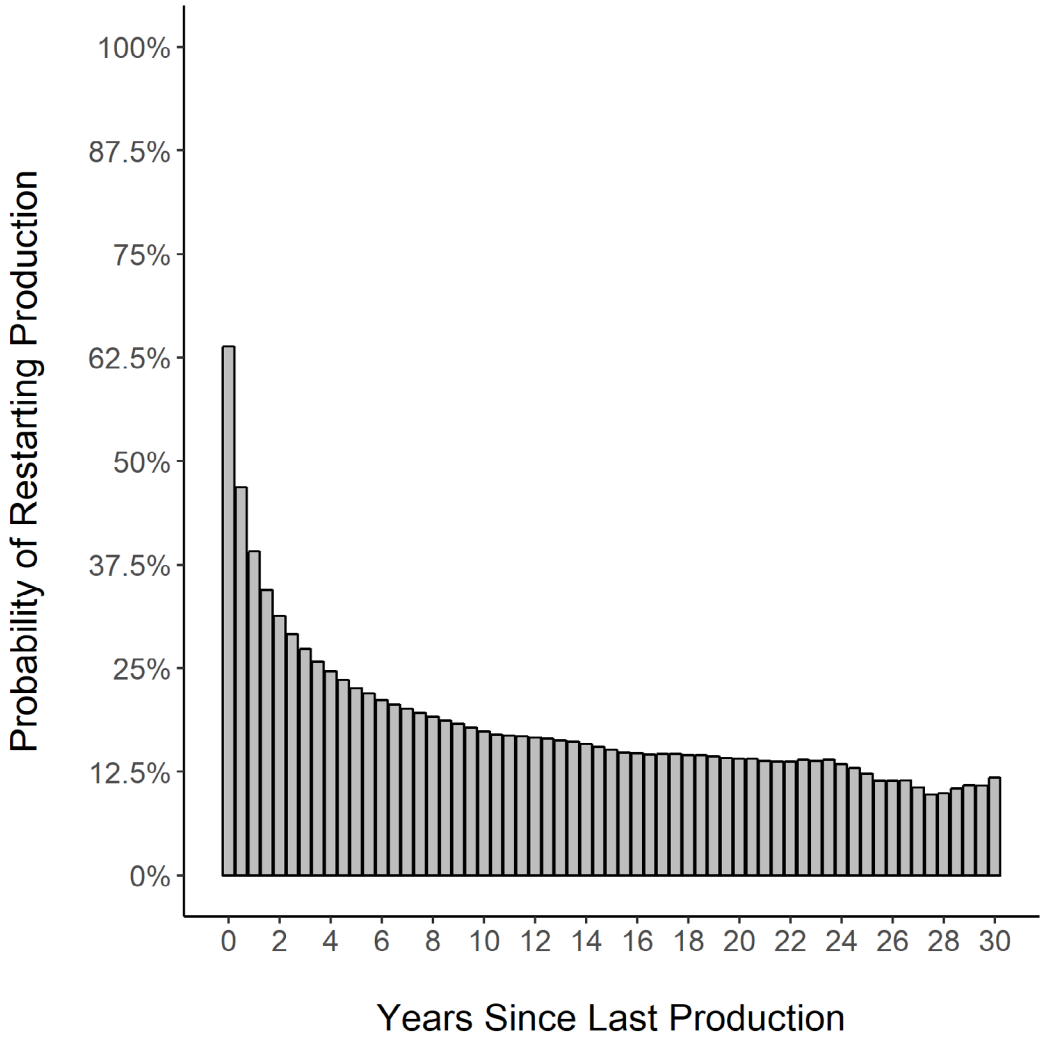

Figure 9. Historical probability of restarting production after a given idle interval. This figure shows the probability a well will restart production following a given period idle. To allow at least 10 years for production to resume, this figure is limited to 1977–2008. Wells that produced oil or natural gas in at least one month before the end of 2017 are considered to have resumed production. See text for details.

B3. Relationship between plugging costs and imputed well depth

Data on well depth were not available for any of the 86 wells with historical plugging costs (Table 7). As an attempt to impute well depth, the average depth of other wells in the field containing the well was used as a proxy. Figure 10 shows the relationship between plugging costs and the imputed depth measure. Instead of indicating no relationship between cost and well depth, this figure likely serves as evidence that imputed well depth is a poor proxy for actual well depth.

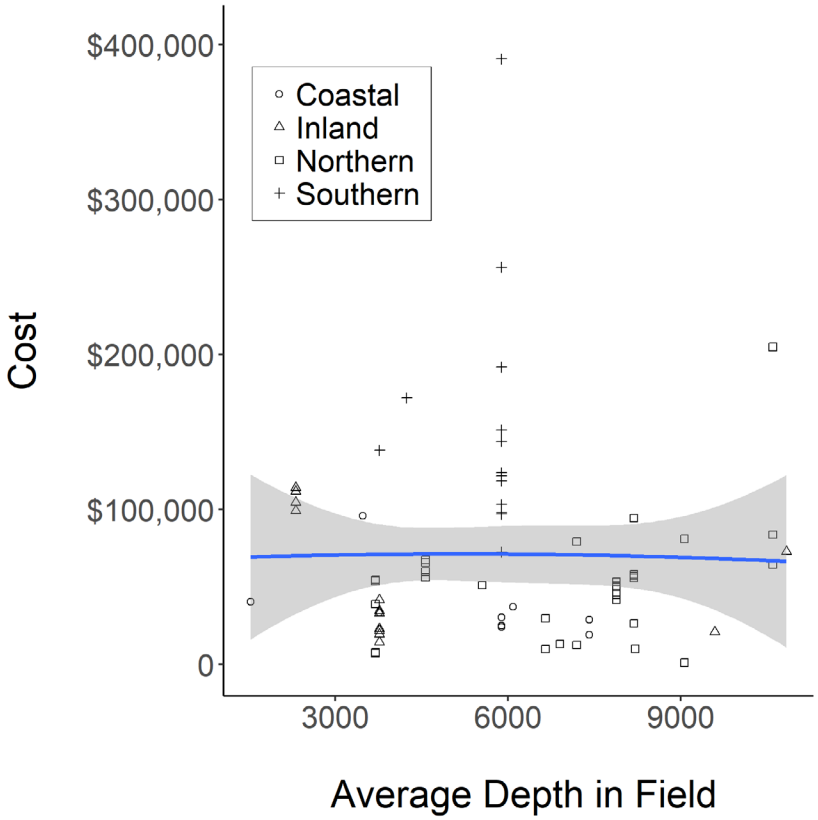

Figure 10. Relationship between plugging costs and imputed well depth. Data on well depth were not available for any of the 86 wells with historical plugging costs. This figure likely serves as evidence that imputing well depth using the average depth of other wells in the field containing the well is a poor proxy for actual well depth.

Appendix C

Construction of the Dataset

This section describes how the raw datasets provided by the Division were combined to create the final analysis dataset.

Monthly production and injection data

The raw monthly production data consist of 43,875,893 monthly observations for 176,823 wells. We drop a small number of observations prior to January 1, 1977, since reporting for most wells begins in 1977. We also drop observations after December 31, 2017, since the completeness of the data for 2018 appears to vary across wells. Missing values are reported for some monthly production observations. We replace these values with zeros if they occur after the first observed non-zero production for a given well. We drop these observations if the month is earlier than the first month of non-zero production for the well. There are also gaps in the production records for some wells. We fill in zero production in any missing months after the first reported production from each well. We further incorporate data on monthly injection volumes from the Division's monthly well injection dataset to identify wells currently being used for injection.

Well-level characteristics files

The well-level characteristics data include 270,524 records. We exclude 29,783 duplicate records with identical API numbers and wellbore codes. We further exclude 12,093 wells with a status of "Cancelled", which indicates that these wells were permitted but never actually drilled.

We successfully merge 94% of active and idle wells and 61% of plugged wells to the production dataset. In our analysis of active and idle wells, for the remaining 6% of wells that do not appear in the production dataset, we assume that there was no reported production during the period of the data, and so assign these wells zero production in every month.[1]

Plugging cost data

As described in the main text, the Division provided various records of plugging costs for wells that have been plugged at state expense. By combining these records, we were able to

1. Hand checking of a subsample of the unmerged records with the Division's online well search tool supports our assumption that the unmerged records represent very old wells with no recent production.

identify 86 unique wells where costs were reported at the individual well level and an API number was included in the record.

Well depth data

The Division provided information on well depth for a subsample of 27,530 wells. We generate an interpolated depth for as many wells as possible by using these observed depths to calculate an average depth in field for every oil field where we observe at least one well depth.

Appendix D

CCST Study Team

Full curricula vitae for the Study Team members are available upon request. Please contact California Council on Science and Technology (916) 492-0996.

Study Team Members:

- **Judson Boomhower**, PhD, University of California, San Diego
  Lead Author
- **Terence Thorn**, JKM Consulting
  Steering Committee (Chair)
- **Mikel Shybut**, PhD, California Council on Science and Technology
  Author and Project Manager
- **M. Daniel DeCillis, PhD**, California Council on Science and Technology
  Author
- S**arah E. Brady, PhD**, Interim Deputy Director, California Council on Science and Technology
  Project Director
- **Amber J. Mace, PhD**, Interim Executive Director, California Council on Science and Technology

Judson Boomhower, Ph.D.

Lead Author
Assistant Professor, Department of Economics, UC San Diego

Judson Boomhower is an applied microeconomist who studies environmental and energy economics and policy. His research covers a range of topics and industries including oil and gas extraction, electricity markets, energy efficiency, and the economics of climate change. He received a PhD in Agricultural and Resource Economics from the University of California, Berkeley. He earned his bachelor's and master's degrees from Stanford.

Terence Thorn

Steering Committee Chair
President, JKM Energy and Environmental Consulting

Terence (Terry) Thorn is a 43-year veteran of the domestic and international natural gas industry and has held a wide variety of senior positions beginning his career as Chairman of Mojave Pipeline Company and President and CEO of Transwestern Pipeline Company. He has worked as an international project developer throughout the world.

As a Chief Environmental Officer, Terry supported Greenfield projects in 14 countries to minimize their environmental impact. He wrote and had adopted company wide Environmental Health and Safety Management Standards and implemented the first environmental management plan for pipeline and power plant construction. In attendance at COP 1 and 2, Terry has remained involved in the climate change discussions where he is focusing on international policies and best practices to control methane emissions.

Residing in Houston, Terry is President of JKM Energy and Environmental Consulting and specializes in project development and management, environmental risk assessment and mitigation, business and policy development, and market analysis. He has done considerable work in the areas of pipeline integrity management systems, management systems auditing, safety and reliability and the reduction of methane emissions from natural gas facilities.

He also serves as Senior Advisor to the President of the International Gas Union where he helps drive the technical, policy and analytical work product for the 13 Committees and Task Forces with their 1000 members from 91 countries. He also serves on the Advisory Boards for the North American Standards Board where he co-chaired the gas electric harmonization task force, and the University of Texas' Bureau of Economic Geology's Center for Energy Economics. Terry is also on the Board of Air Alliance Houston. He served on the CCST California Council on Science and Technology steering committee for the

report that provided the state with an up-date and independent technical assessment of the thirteen natural gas storage fields in California. Currently he is on the CCST team that will estimate the liability and costs to the state of plugging and abandoning oil and gas wells and decommissioning their attendant facilities.

Terry has published numerous articles on energy, risk management and corporate governance and was author of the International Energy Agency's 2007 North American Gas Market Review. As advisor to European gas companies and regulators he co-authored The Natural Gas Transmission Business -a Comparison Between the Interstate US-American and European Situations, Environmental Issues Surrounding Shale Gas Production, The U.S. Experience, A Primer. As a participant in the National Petroleum Council Study Prudent Development: Realizing the Potential of North America's Abundant Natural Gas and Oil Resources (September 2011), Terry wrote the section on electric gas harmonization, co-authored the chapter on electric generation, and advised on the residential commercial chapter. Most recently he has completed market research projects on electricity markets, gas markets including modeling the US gas markets 2015-2050. Gas Shale Environmental Issues and Challenges was just published by Curtin University in 2015. His most recent papers are "The Bridge to Nowhere: Gas in An All Electric World," "The Paradigms of Reducing Energy Poverty" and "Making Fossils Fuels Great Again: Initial Observations About Trump's Energy Policy."

Mikel Shybut, Ph.D.

Author and Project Manager
Program Associate, California Council on Science and Technology

Mikel Shybut is a CCST Program Associate. Previously he was a CCST Science and Technology Policy Fellow appointed to the California State Senate on the Transportation and Housing Committee, which analyzes legislation covering policy areas from essential infrastructure needs to autonomous vehicles and affordable housing.

Shybut received his PhD in Plant Biology from UC Berkeley, where he studied the molecular mechanisms of cassava bacterial blight, a disease of agricultural significance in the tropics. Shybut completed his BA in Biological Chemistry and in Russian at Grinnell College in Iowa.

M. Daniel DeCillis, Ph.D.

Author

Senior Research Associate, California Council on Science and Technology

M. Daniel DeCillis is Senior Research Associate & Director of Web Operations at the California Council on Science and Technology, where he has worked since 2001. He has been principal project writer on studies including the Overview of California State-Funded R&D, 2004-2007 (2008), Critical Path Analysis of California's Science and Mathematics Teacher Preparation System (2007), An Industry Perspective of the Professional Science Master's Degree in California (2005), Opportunities for Collaboration in High-tech Research and Teacher Professional Development (2004), the Critical Path Analysis of California's Science and Technology Education System (2002), and The Preparation of Elementary School Teachers to Teach Science in California (2010); he has also contributed substantially to CCST projects on nanotechnology, energy, and intellectual property. In addition he designed and edited the Workforce Investment Board Online Toolkit (2008), a major component of CCST's contributions to the California Innovation Corridor project. In 2011, he edited and reviewed Imagining the Future: Digitally Enhanced Education in California and components of California's Energy Future. In 2012, he completed the California Climate Change Research Database website. He was part of the team that produced the 2014 report Achieving a Sustainable California Water Future through Innovations in Science and Technology and a co-author on Promoting Engagement of the California Community Colleges with the Maker Movement (2016) and The Maker Movement and K-12 Education (2017).

DeCillis has presented CCST's work on a variety of projects in numerous venues (including the Legislature and the National Academies) both in California and abroad. Since 2002, he has served as primary writer and editor for CCST's Annual Report and newsletter; he is also responsible for design and management of the CCST website. From 2001- 2004 he served as the Managing Editor for the Journal of Robotic Systems. Prior to this, he worked as a paleographer and French instructor; he holds an M.A. and a Ph.D. in Romance Studies from Duke University and a B.A. with High Honors in French and Latin from Oberlin College.

Sarah E. Brady, Ph.D.

Project Director
Interim Deputy Director, California Council on Science and Technology

Sarah Brady, Ph.D. is the Interim Deputy Director for CCST. In addition to managing large-scale commissioned projects requested by the Legislature and state agencies, Sarah leads outreach efforts to connect CCST's network of experts with state decision makers.

Prior to joining CCST, Sarah served as Legislative Director in Assemblywoman Susan Bonilla's office where she was hired after her placement as a CCST Science and Technology Policy Fellow in 2014. During her time with Assemblywoman Bonilla, Sarah initiated policy work to retain women in STEM careers by preventing pregnancy discrimination in graduate programs. As a result of legislation that she conceptualized and staffed through the process, the law now requires all California colleges to establish a family leave policy for their graduate students. Sarah also spearheaded legislation to increase the use of biomethane, reduce the cost of college textbooks, and improve access to computer science education. In addition, she conducted bill analysis and provided vote recommendations to Assemblywoman Bonilla on all bills related to utilities and commerce, energy, water, natural resources, and environmental toxicity.

Sarah earned Bachelor's degrees in Chemistry and French from North Central College and a Doctorate in Chemistry at the University of Oregon researching the degradation of plastics. She was also a GK-12 Fellow and an NSF-IGERT Fellow where she worked at the Hong Kong Baptist University. In her free time, Sarah likes to watch the Green Bay Packers, brew beer, camp, and is the Co-Chair for the CCST Science Fellows Alumni Group.

Amber J. Mace, Ph.D.

Interim Executive Director, California Council on Science and Technology

Amber Mace, Ph.D. is the Interim Executive Director of the California Council on Science and Technology (CCST) and is a Policy Fellow with the UC Davis Policy Institute for Energy, Environment and the Economy. Mace devotes her time to building new and revitalizing existing programs and organizations that are dedicated to increasing the impact and value of science-informed decision-making. Prior to this, Mace served as the Associate Director of the UC Davis Policy Institute for Energy, Environment and the Economy. She also served as the Executive Director of the California Ocean Protection Council (OPC) and Assistant Secretary for Coastal Matters at the California Natural Resources Agency. In this role she applied her background in ocean policy and marine ecology and collaborative leadership skills to guide the state in developing policies that promote the sustainable use of California's ocean ecosystem. Prior to that, she served in the dual roles of science advisor to the OPC and executive director of the California Ocean Science Trust, a non-profit whose mission is to provide objective, high-quality science to decision makers.

She learned firsthand about the challenges of public policy-making at the federal level as a Knauss Fellow in the U.S. Senate Commerce, Science and Transportation Committee, and at the state level as a California Sea Grant state fellow at the California Natural Resources Agency. Amber was recognized as a Coastal Hero by Sunset magazine in 2011 and her California coastal research experience includes piloting a submersible with the Sustainable Seas Expedition. She earned a Bachelor of Arts in geography from UC Berkeley and a doctorate in ecology from UC Davis and the Bodega Marine Laboratory.

Appendix E

Expert Oversight and Review

Oversight Committee:

- **Richard C. Flagan**, California Institute of Technology, CCST Board Member
- **Samuel J. Traina**, University of California, Merced, CCST Board Member
- **Robert F. Sawyer**, University of California, Berkeley, External Member

Report Monitor:

- **Robert F. Sawyer**, University of California, Berkeley

Expert Reviewers:

- **Scott Anderson**, Environmental Defense Fund
- **Dan Arthur**, ALL Consulting, LLC
- **Peter Maniloff**, Colorado School of Mines
- **James McCall**, National Renewable Energy Laboratory
- **Lucija Muehlenbachs**, University of Calgary
- **Samuel J. Traina**, University of California, Merced

Appendix F

CCST Study Process

California Council on Science and Technology (CCST) studies are viewed as valuable and credible because of the organization's reputation for providing independent, objective, and nonpartisan advice with high standards of scientific and technical quality. Checks and balances are applied at every step in the study process to protect the integrity of the studies and to maintain public confidence in them.

Study Process Overview—Ensuring Independent, Objective Advice

For 30 years, CCST has been advising California on issues of science and technology by leveraging exceptional talent and expertise.

CCST enlists the state's foremost scientists, engineers, health professionals, and other experts to address the scientific and technical aspects of society's most pressing problems.

CCST studies are funded by state agencies, foundations and other private sponsors. CCST provides independent advice; external sponsors have no control over the conduct of a study once the statement of task and budget are finalized. Authors and the Steering Committee gather information from many sources in public and private meetings, but they carry out their deliberations in private in order to avoid political, special interest, and sponsor influence.

Stage 1: Defining the Study

Before the author(s) and Steering Committee selection process begins, CCST staff, Board Members, Council Members and other relevant experts work with the study sponsors to determine the specific set of questions to be addressed by the study in a formal "statement of task," as well as the duration and cost of the study. The statement of task defines and bounds the scope of the study, and it serves as the basis for determining the expertise and the balance of perspectives needed for the study authors, Steering Committee members, and peer reviewers.

The statement of task, work plan, and budget must be approved by CCST's Project Director in consultation with CCST leadership. This review sometimes results in changes to the proposed task and work plan. On occasion, it results in turning down studies that CCST believes are inappropriately framed or not within its purview.

Stage 2: Study Author(s) and Steering Committee (SC) Selection and Approval

Selection of appropriate authors and SC members, individually and collectively, is essential for the success of a study. All authors and SC members serve as individual experts, not as representatives of organizations or interest groups. The size of the SC depends on the size and scope of the study.[1] Each expert is expected to contribute to the project on the basis of his or her own expertise and good judgment. Each provisional SC member and author complete a COI form and submit current resumes. CCST staff send all of this information to outside counsel for a thorough COI review and then organize all results and recommendations from the outside counsel. CCST organizes an in-person meeting for the provisional SC and lead authors to discuss the balance of the committee and evaluate each person for any potential COIs based on the outside counsel feedback. Any issues raised in this discussion are investigated and addressed. CCST sends the list and COI information of the provisional SC and lead authors, including any recommendations or concerns from the in-person meeting, to the Oversight Committee (created by the Board and made up of two CCST Board Members and an outside expert) for final approval. While the lead authors attend the meeting for the discussion of their own potential COIs they do not contribute to the discussion of the provisional SC Member's COIs. Members of a SC and the lead author(s) are anonymous until this process is completed. The lead author(s) maintain continued communication with the SC as the study progresses through frequent updates and background meetings.

Careful steps are taken to convene SCs that meet the following criteria:

An appropriate range of expertise for the task. The SC must include experts with the specific expertise and experience needed to address the study's statement of task. A major strength of CCST is the ability to bring together recognized experts from diverse disciplines and backgrounds who might not otherwise collaborate. These diverse groups are encouraged to conceive new ways of thinking about a problem. The size of the SC depends on the size and scope of the study.

A balance of perspectives. Having the right expertise is not sufficient for success. It is also essential to evaluate the overall composition of the SC in terms of different experiences and perspectives. The goal is to ensure that the relevant points of view are, in CCST and the Oversight Committee's judgment, reasonably balanced so that the SC can carry out its charge objectively and credibly.

Screened for conflicts of interest. All provisional SC members are screened in

1. Due to the short duration of this study, the study had only a Steering Committee Chair. Authors drafted findings and conclusions and the lead author drafted recommendations in coordination and with final approval from the Steering Committee Chair.

writing and in a confidential group discussion about possible conflicts of interest. For this purpose, a "conflict of interest" means any financial or other interest which conflicts with the service of the individual because it could significantly impair the individual's objectivity or could create an unfair competitive advantage for any person or organization. The term "conflict of interest" means something more than individual bias. There must be an interest, ordinarily financial, that could influence the work of the SC or that could be directly affected by the work of the SC. Except for those rare situations in which CCST and the Board appointed Oversight Committee determine that a conflict of interest is unavoidable and promptly and publicly disclose the conflict of interest, no individual can be appointed to serve (or continue to serve) on a SC used in the development of studies if the individual has a conflict of interest that is relevant to the functions to be performed.

Point of View is different from Conflict of Interest. A point of view or bias is not necessarily a conflict of interest. SC members are expected to have points of view, and CCST attempts to balance these points of view in a way deemed appropriate for the task. SC members are asked to consider respectfully the viewpoints of other members, to reflect their own views rather than be a representative of any organization, and to base their scientific findings and conclusions on the evidence. Each SC member has the right to issue a dissenting opinion to the study if he or she disagrees with the consensus of the other members.

Other considerations. Membership in CCST are taken into account in SC selection. The inclusion of women, minorities, and young professionals are additional considerations.

Specific steps in the SC selection and approval process are as follows:

CCST staff solicit an extensive number of suggestions for potential SC members from a wide range of sources, then recommend a slate of nominees. Nominees are reviewed, as a provisional SC, at several levels within CCST. Prior to final approval, the provisional SC members complete background information and conflict-of-interest disclosure forms. The SC balance and conflict-of-interest discussion is held at the first SC meeting. Any conflicts of interest or issues of SC balance and expertise are investigated; changes to the SC are proposed and finalized. Finally, the provisional SC is presented to the Oversight Committee for formal approval. SC members continue to be screened for conflict of interest throughout the life of the committee.

CCST uses a similar approach as described above for SC development to identify study authors who have the appropriate expertise and availability to conduct the work necessary to complete the study. In addition to the SC, all authors, peer reviewers, and CCST staff are screened for COI.

Stage 3: Author and Steering Committee Meetings, Information Gathering,

Deliberations, and Drafting the Study

Authors and the Steering Committee typically gather information through:

1. meetings;
2. submission of information by outside parties;
3. reviews of the scientific literature; and
4. investigations by the study authors and/or SC members and CCST staff.

In all cases, efforts are made to solicit input from individuals who have been directly involved in, or who have special knowledge of, the problem under consideration.

For larger reports, lead authors may request additional authors to ensure the appropriate expertise is included. Every author must be approved by the SC and CCST staff. Some of the additional authors may become section leads. The lead author reviews and approves the work of all other chapter authors, including section leads.

During the course of a report, authors' duties may shift which may change the lead author or section lead designations. Any such changes must be made in conjunction with CCST staff and the SC. If the reorganization of author responsibilities or the addition of a new author raises conflict of interest concerns, they are presented to and resolved by the Oversight Committee.

The authors shall draft the study and the SC shall draft the Executive Summary which includes findings, conclusions, and recommendations (FCRs). In some cases, the authors write the first draft of the FCRs to ensure they are based on the information and analysis contained in the full report. The draft FCRs are then edited and approved by the SC. The SC deliberates in meetings closed to the public in order to develop draft FCRs free from outside influences. All analyses and drafts of the study remain confidential.

Stage 4: Report Review

As a final check on the quality and objectivity of the study, all CCST full commissioned reports must undergo a rigorous, independent external peer review by experts whose comments are provided anonymously to the authors and SC members. CCST recruits independent experts with a range of views and perspectives to review and comment on the draft report prepared by the authors and the SC. The proposed list of peer reviewers is approved by the Oversight Committee to ensure all report sections are adequately reviewed.

The review process is structured to ensure that each report addresses its approved study charge, that the findings are supported by the scientific evidence and arguments presented,

that the exposition and organization are effective, and that the report is impartial and objective.

The authors and the SC must respond to, but need not agree with, reviewer comments in a detailed "response to review" that is examined by one or more independent "report monitor(s)" responsible for ensuring that the report review criteria have been satisfied. After all SC members and appropriate CCST officials have signed off on the final report, it is transmitted to the sponsor of the study and the sponsor can release it to the public. Sponsors are not given an opportunity to suggest changes in reports. All reviewer comments and SC deliberations remain confidential. The names and affiliations of the report reviewers are made public when the report is released.

Appendix G

Acknowledgements

The study leads would like to acknowledge the support and efforts of many individuals involved in making this report possible.

Dr. Sarah Brady, the Interim Deputy Director of CCST, served as the project director, overseeing the study from initial concept to development and implementation. Dr. Mikel Shybut, project manager, coordinated the study process from finding appropriate experts to contracting and scheduling, and also served as an author. Dr. M. Daniel DeCillis, CCST Senior Research Associate, served as an author for this study. Puneet Bhullar, CCST project assistant, provided additional support and coordinated the peer review process. Other staff at CCST, including Dr. Brie Lindsey who provided insightful feedback in discussions, and CCST's Interim Executive Director Amber Mace who guided the project from its earliest stages. We would like to thank the Technical Editor Becky Oskin as well as the CCST staff who proofread, including Dr. Christine Casey, Donna King, and Christy Shay.

The staff and appointees at the Division of Oil, Gas, and Geothermal Resources under the Department of Conservation provided essential information for the study and facilitated the contracting process. We would especially like to thank Ken Harris, Oil and Gas Supervisor, and Brady Van Engelen, as well as David Slayter, Heather Henry, Justin Turner, and Robert Chester.

We would also like to acknowledge the Oversight Committee members, including CCST Board Members Richard Flagan and Samuel Traina, and Robert Sawyer, who also served as the report monitor, ensuring adequate response by the authors to peer reviewer comments. We thank the expert peer reviewers for taking the time to thoroughly review the report and provide insightful comments, including Scott Anderson, Dan Arthur, Peter Maniloff, James McCall, Lucija Muehlenbachs, and Samuel Traina.

CCST is a nonpartisan, nonprofit organization established via the California State Legislature — making California's policies stronger with science since 1988. We engage leading experts in science and technology to advise State policymakers — ensuring that California policy is strengthened and informed by scientific knowledge, research, and innovation.

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ORPHAN WELLS IN CALIFORNIA:
AN INITIAL ASSESSMENT OF THE STATE'S
POTENTIAL LIABILITIES TO PLUG AND DECOMMISSION
ORPHAN OIL AND GAS WELLS

California Council on Science and Technology • November 2018

CALIFORNIA RESOURCES CORPORATION REPORTS SECOND QUARTER 2021 RESULTS, INCREASES FREE CASH FLOW GUIDANCE, RAISES SHARE REPURCHASE PROGRAM TO $250 MILLION AND ANNOUNCES STRATEGIC A&D TRANSACTIONS

08/05/2021

SANTA CLARITA, Calif.--(BUSINESS WIRE)-- California Resources Corporation (NYSE: CRC), an independent oil and natural gas company committed to energy transition in the sector, today reported second quarter 2021 operational and financial results.

“CRC continued to deliver on its strategy with strong second quarter results driven by robust financial and operational performance, resulting in an increase in 2021 free cash flow[1] guidance to $400 to $500 million. Given our financial strength and low stock valuation relative to fundamentals, we are increasing our Share Repurchase Program from $150 million to $250 million," said Mac McFarland, President and Chief Executive Officer. "I am also pleased to announce an acquisition of the 90% working interest in the joint venture wells held by our partner as well as a planned divestiture of our non-core Ventura operations. These strategic A&D transactions will simplify our business model, lower our overall operating costs and provide positive net cash proceeds."

Mr. McFarland continued, "We continued to make strides on our ESG strategy and are pleased to announce we have identified approximately one billion metric tons of CO_2 permanent storage capacity as well as up to 1,000 megawatts (MW) of front-of-the-meter solar opportunities which will help contribute to the decarbonization of California. As a first step, we are submitting permits for an ~40 million metric ton permanent storage CCS project, Carbon TerraVault I. Further, we are advancing arrangements with SunPower for an initial 12 MW and up to 45 MW of behind-the-meter solar projects.

"I'm also excited to announce the appointment of Nicole Neeman Brady to our Board and look forward to her contributions, particularly on the Sustainability Committee."

Second Quarter 2021 Highlights

Financial

- Reported a net loss attributable to common stock of $111 million, or $1.34 per diluted share. Adjusted net income[1] was $78 million, or $0.94 per diluted share
- Generated net cash provided by operating activities of $127 million, adjusted EBITDAX[1] of $169 million and free cash flow[1] of $77 million
- Closed the quarter with $151 million of cash on hand, an undrawn credit facility and $518 million of liquidity[2]
- Sustained non-energy operating costs and general and administrative (G&A) expense improvements achieved earlier in 2021

Operational

- Produced an average of 101,000 net barrels of oil equivalent (BOE) per day, including 61,000 barrels per day of oil, with quarterly capital expenditures of $50 million
- Operated two drilling rigs in the San Joaquin Basin and drilled 21 wells (21 online in 2Q21)
- Operated 35 maintenance rigs
- Completed 48 capital workovers

Transactional

- Signed agreements to divest operations in the Ventura basin for total cash consideration of up to $102 million plus additional earn-out consideration that is linked to future commodity prices
- Post quarter end, acquired the working interest in the joint venture wells held by Macquarie Infrastructure and Real Assets, Inc. (“MIRA”) for $53 million
- Post quarter end, filing permits for an ~40 MMT CO_2 permanent storage CCS project, Carbon TerraVault I
- Advancing a 12 MW behind-the-meter solar project with SunPower for CRC's Mt. Poso field which is expected to be Low Carbon Fuel Standard ("LCFS") eligible; construction is expected to begin in early 2022

Guidance

- Raised 2021 free cash flow[1] guidance to $400 to $500 million
- Optimized CRC investment dollars by shifting an additional $20 million from drilling and completions to downhole maintenance projects which provide efficiencies and faster payouts
- Raised the Share Repurchase Program ("SRP") to $250 million from $150 million; repurchased 1.4 million shares for $45 million in 2Q21

2021 Guidance & Capital Program

Given the strength of the second quarter results, CRC has raised its full year 2021 free cash flow[1] guidance to $400 to $500 million from $250 to $350 million, adjusted EBITDAX[1] guidance to $725 to $825 million from $625 to $725 million and production guidance to 97 to 100 MBOE per day from 96 to 99 MBOE per day. Recognizing capital efficiency improvements and faster payouts on downhole maintenance projects, CRC revised its full year 2021 operating cost and capital guidance by shifting an additional $20 million of drilling capital to these opportunities. In addition to this shift from capital to operating costs, an increase in natural gas prices further raises expected operating costs by approximately $35 million, which is more than offset by increased natural gas revenues as CRC is net long natural gas on the whole. These two items result in revised full year 2021 capital guidance of $170 to $190 million from $185 to $210 million and revised full year 2021 operating cost guidance of $670 to $695 million from $615 to $630 million.

CRC made $77 million of capital investments in the first half of 2021. The current capital program anticipates that CRC will maintain a consistent level of investment throughout the remainder of the year. If commodity prices decline significantly from current levels. CRC may need to decrease the size of its capital program in response to market conditions. The Company's capital program will be dynamic in response to oil market volatility while focusing on maintaining its oil production, strong liquidity and maximizing its free cash flow.

2021E TOTAL YEAR GUIDANCE	Prior Total Year 2021E	Revised Total Year 2021E
Total Production (Mboe/d)	96 - 99	97 - 100
Oil Production (Mbbl/d)	60 - 62	60 - 62
Operating Costs ($ millions)	$615 - $630	$670 - $695
General and administrative expenses ($ millions)	$180 - $190	$180 - $190
Capital ($ millions)	$185 - $210	$170 - $190
Adj. EBITDAX[1] ($ millions)	$625 - $725	$725 - $825
Free cash flow[1] ($ millions)	$250 - $350	$400 - $500

Increasing the Share Repurchase Program

In August 2021, CRC's Board of Directors increased the Share Repurchase Program by $100 million to $250 million through March 31, 2022.

Acquisitions and Divestitures

In the second quarter of 2021, CRC entered into agreements to sell its Ventura basin operations for expected cash consideration of up to $102 million plus additional earn-out consideration that is linked to future commodity prices. The consideration includes $82 million of cash to be paid at closing and up to $20 million of potential additional consideration if the buyer does not perform certain abandonment obligations with respect to the divested properties. These transactions will simplify CRC's business model, lower its overall operating costs and decrease its asset retirement obligations. For the three months ending June 30, 2021, CRC's Ventura basin operations were producing 3,600 BOE per day (~65% oil). The closing of the transaction is subject to customary closing conditions, including satisfaction of land and environmental due diligence and third-party consents.

In August 2021, CRC continued to demonstrate its focus on core areas by acquiring the 90% working interest in the joint venture wells held by MIRA for $53 million, before transaction costs. The acquisition of MIRA’s working interest would have added oil production of 1,600 BOE per day (~100% oil) for the first half of 2021 with minimal integration costs and underground risk.

CRC’s full year guidance will be updated upon the closing of the Ventura basin transactions which are expected in the second half of 2021.

Sustainability Update

According to internal and third party estimates, CRC has some of the lowest carbon intensity production in the U.S. CRC aims to build upon this position through investment in decarbonization projects and other emissions reducing projects to help advance energy transition in California. As part of an initial review, CRC has the potential to permanently store up to 1 billion metric tons of CO_2 in its oil and gas reservoirs as well as the opportunity to generate 300 to 1,000 MW of front-of-

the-meter solar power for the grid by utilizing CRC's vast surface land footprint. In addition to these opportunities, CRC has the potential for up to 45 MW of behind-the-meter solar development projects with its partner SunPower.

Building on CRC's carbon capture opportunity, CRC is applying for Class VI EPA permits for a project with a capability of up to 40 million metric tons of permanent CO_2 storage, referred to as Carbon TerraVault I. Injection for this project could begin in the 2025 time frame with the injection of approximately 1 million metric tons per year, equivalent to the annual emissions of approximately 200,000 passenger vehicles. CRC is proud to be a first mover of CCS operations in California and to help the state make progress on its carbon neutrality goals.

CRC has a dedicated Sustainability Committee chaired by William B. Roby, with members Nicole Neeman Brady and Andrew B. Bremner along with a dedicated corporate function under the executive leadership of Chris Gould as EVP and Chief Sustainability Officer.

Board Enhancement

On August 5, 2021, CRC's Board of Directors elected one new Board member, Nicole Neeman Brady.

Ms. Neeman Brady has over 20 years of experience as an entrepreneur, executive, investor and community leader with global water, energy, and agricultural expertise. She serves as the Chief Executive Officer and a director of Sustainable Development Acquisition Corp. since December 2020. She also served as Principal and Chief Operating Officer at Renewable Resources Group LLC, as well as a member of the Investment Committee and a board member of several of its portfolio companies. Her experience also includes a deep understanding of and passion for the public sector, including board service on the Colorado River Board of California and currently, as a Commissioner on the Los Angeles Department of Water and Power, a Board member of Blue Ocean Mariculture and a Board member of the Library Foundation of Los Angeles. Please see www.crc.com for more details.

Fresh Start Accounting and Predecessor and Successor Periods

CRC qualified and adopted fresh start accounting upon emergence from bankruptcy on October 27, 2020, at which point CRC became a new entity for financial reporting purposes. CRC adopted an accounting convenience date of October 31, 2020 for the application of fresh start accounting. As a result of the application of fresh start accounting and the effects of the implementation of the joint plan of reorganization, the financial statements after October 31, 2020 may not be comparable to the financial statements prior to that date. Accordingly, “black-line” financial statements are presented to distinguish between the Predecessor and Successor companies. References to "Predecessor” refer to the Company for periods ended on or prior to October 31, 2020 and references to “Successor” refer to the Company for periods subsequent to October 31, 2020.

Second Quarter 2021 Results

($ and shares in millions, except per share amounts)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020
Statements of Operations:		
Revenues		
Total revenues	$ 304	$ 276
Costs		
Total costs	394	391
Operating Loss	$ (90)	$ (115)
Net Loss Attributable to Common Stock	$ (111)	$ (271)
Net loss attributable to common stock per share - basic and diluted	$ (1.34)	$ (5.47)
Adjusted net income (loss)	$ 78	$ (202)
Adjusted net income (loss) per share - basic	$ 0.94	$ (4.08)
Weighted-average common shares outstanding - basic	83.1	49.5
Adjusted EBITDAX	$ 169	$ 19

($ in millions)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020
Cash Flow Data:		
Net cash provided by operating activities	$ 127	$ (135)
Net cash used in investing activities	$ (43)	$ (15)
Net cash (used in) provided by financing activities	$ (63)	$ 199

Six-Month 2021 Results

($ and shares in millions, except per share amounts)	Successor Six Months 2021	Predecessor Six Months 2020
Statements of Operations:		
Revenues		

Total revenues	$ 667	$ 849
Costs		
Total costs	830	2,613
Operating Loss	$ (163)	$ (1,764)
Net Loss Attributable to Common Stock	$ (205)	$ (2,067)
Net loss attributable to common stock per share - basic and diluted	$ (2.46)	$ (41.84)
Adjusted net income (loss)	$ 180	$ (210)
Adjusted net income (loss) per share - basic	$ 2.16	$ (4.25)
Weighted-average common shares outstanding - basic	83.2	49.4
Adjusted EBITDAX	$ 358	$ 270

($ in millions)	Successor Six Months 2021	Predecessor Six Months 2020
Cash Flow Data:		
Net cash provided by operating activities	$ 274	$ 93
Net cash used by investing activities	$ (63)	$ (27)
Net cash (used) provided by financing activities	$ (88)	$ 43

Review of Operating and Financial Results

Total daily net production volumes decreased 10% from 112,000 BOE per day for the second quarter of 2020 to 101,000 BOE per day for the second quarter of 2021. The decrease from the same period in 2020 was primarily due to limited drilling activity and capital investment during the prior twelve months and natural decline rates. Total daily net production volumes decreased 15% from 117,000 BOE per day for the six months ended June 30, 2020 to 100,000 BOE per day for the same period in 2021. Production sharing type contracts (PSC-type) at CRC's Long Beach assets negatively impacted oil production by approximately 5,000 and 4,000 barrels per day in the three and six months ended June 30, 2021, respectively, compared to the same prior-year period. See Attachment 3 for further information on production.

Realized oil prices, including the effect of settled hedges, increased by $23.28 per barrel from $30.82 per barrel in the second quarter of 2020 to $54.10 per barrel in the second quarter of 2021. For the six months ended June 30, 2021, realized oil prices, including the effect of settled hedges, increased by $10.15 to $53.91 from $43.76 in the same period of 2020. Realized oil prices were higher in the second quarter of 2021 compared to the same prior-year period as oil demand recovered from its COVID-19 driven lows. See Attachment 4 for further information on prices.

Adjusted EBITDAX[1] for the second quarter of 2021 was $169 million and net cash provided by operating activities was $127 million. Internally funded capital invested during the second quarter of 2021 was $50 million. Free cash flow[1] was $77 million. Adjusted EBITDAX[1] for the six months ended June 30, 2021 was $358 million and net cash provided by operating activities was $274 million. For the first half of 2021, internally funded capital invested was $77 million. Free cash flow[1] was $197 million.

FREE CASH FLOW

Management uses free cash flow, which is defined by us as net cash provided by operating activities less capital investments, as a measure of liquidity. The following table presents a reconciliation of our net cash provided by operating activities to free cash flow. We have excluded one-time costs for bankruptcy related fees during 2021 and 2020 as a supplemental measure of free cash flow.

($ millions)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Net cash provided by operating activities	$ 127	$ (135)	$ 274	$ 93
Capital investments	(50)	(3)	(77)	(33)
Free cash flow	77	(138)	197	60
One-time bankruptcy related fees	2	42	4	47
Free cash flow, after special items	$ 79	$ (96)	$ 201	$ 107

Operating costs for the second quarter of 2021 were $169 million compared to $127 million for the second quarter of 2020. Operating costs for the six months ended June 30, 2021 were $333 million compared to $319 million for the same period in 2020. The increase was primarily attributable to higher downhole maintenance activity in 2021 which was deferred in 2020 as CRC shut-in wells. Additionally, operating costs increased in 2021 due to higher energy costs and natural gas prices as compared to 2020. Partially offsetting these increases were lower compensation-related costs from streamlining CRC's operations, which included headcount reductions in late 2020 and early 2021. CRC's second quarter 2020 reflect cost savings for reduced work hours and reduced management salaries in response to the industry downturn and the COVID-19 pandemic. Although higher natural gas and electricity prices in 2021 increased CRC's operating costs, higher prices have a net positive effect on operating results due to higher revenue from sales of these commodities which CRC also produces.

Operating costs per BOE are presented below:

OPERATING COSTS PER BOE

The reporting of our PSC-type contracts creates a difference between reported operating costs, which are for the full field, and reported volumes, which are only

our net share, inflating the per barrel operating costs. The following table presents operating costs after adjusting for the excess costs attributable to PSC-type contracts.

($ per Boe)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Energy operating costs [(a)]	$ 4.70	$ 3.51	$ 4.70	$ 3.61
Gas processing costs	0.66	0.46	0.60	$ 0.57
Non-energy operating costs [(b)]	13.12	8.45	13.10	10.81
Operating costs	$ 18.48	$ 12.42	$ 18.40	$ 14.99
Excess costs attributable to PSC-type contracts	(1.73)	(0.42)	(1.66)	(0.66)
Operating costs, excluding effects of PSC-type contracts	$ 16.75	$ 12.00	$ 16.74	$ 14.33

(a) Energy operating costs include purchases of fuel gas used to generate electricity, purchased electricity and internal costs to produce electricity used in our operations.
(b) Non-energy operating costs equal total operating costs less energy operating costs and gas processing costs. Purchases of fuel gas to generate steam which is then used in our steamfloods is included in non-energy operating costs.

G&A expenses were $48 million for the second quarter of 2021, compared to $69 million in the same prior-year period. For the six months ended June 30, 2021, G&A expenses were $96 million compared to $129 million in the same prior-year period. The decrease in G&A expenses reflects lower compensation-related costs primarily due to workforce reductions that occurred in the second half of 2020 and the first quarter of 2021 as well as benefit reductions in the second quarter of 2021. CRC's second quarter 2020 results include savings from reduced work hours and reduced management salaries in response to the industry downturn and the COVID-19 pandemic. The remaining decrease between comparative periods was primarily due to cost saving efforts which resulted in lower spend across a number of cost categories. The decrease was partially offset by stock-based compensation expense related to awards granted to executives and directors in 2021.

Balance Sheet and Liquidity Update

CRC's aggregate commitment under the Revolving Credit Facility was $492 million as of June 30, 2021. The borrowing base for the Revolving Credit Facility is redetermined around April and October of each year and was most recently set at $1.2 billion in May 2021. The amount CRC is able to borrow under the Revolving Credit Facility is limited to the amount of the commitment described above.

In May 2021, CRC amended its Revolving Credit Facility to provide further strategic flexibility with respect to CRC's minimum and maximum hedging restrictions and to increase CRC's capacity to make certain restricted payments, including paying dividends on its common stock and repurchasing its common stock.

As of June 30, 2021, CRC had liquidity of $518 million, which consisted of $151 million in unrestricted cash and $367 million of available borrowing capacity under its Revolving Credit Facility after accounting for $125 million in outstanding letters of credit.

CRC anticipates the preferred interest in a development joint venture held by Benefit Street Partners ("BSP") could be automatically redeemed in the second half of 2021. We anticipate the remaining distributions to BSP will approximate $20 million.

CRC may begin paying income taxes in early 2022 if Brent prices remain at current levels for a sustained period. CRC's tax paying status depends on a number of factors, including but not limited to, the amount and type of CRC's capital spend, cost structure and activity levels. Potential legislation could also limit tax incentives for fossil fuels.

Operational Update

During the second quarter of 2021, CRC operated an average of two drilling rigs in the San Joaquin Basin, drilled 21 net wells, 19 of which were brought online in addition to the two that were brought online from the first quarter totaling 21 online wells. The San Joaquin basin produced 74,500 net BOE per day. The Los Angeles basin produced 19,200 net BOE per day, the Ventura basin produced 3,600 net BOE per day and the Sacramento basin produced 3,300 net BOE per day.

September 2021 Investor Conferences

CRC's executives will be participating in the Barclays CEO Energy-Power Conference on September 8-10. Mac McFarland, President and CEO, and Francisco Leon, EVP and CFO, will also be presenting on September 10th at 10:55 a.m. ET.

CRC's presentation materials will be available the day of the event on the Earnings and Presentations page in the Investor Relations section on www.crc.com.

Conference Call Details

To participate in the conference call scheduled for later today at 5:00 p.m. Eastern Time, please dial (877) 328-5505 (International calls please dial +1 (412) 317-5421) or access via webcast at www.crc.com 15 minutes prior to the scheduled start time to register. Participants may also pre-register for the conference call at https://dpregister.com/sreg/10157220/e9185e9690. A digital replay of the conference call will be archived for approximately 90 days and supplemental slides for the conference call will be available online in the Investor Relations section of www.crc.com.

[1] See Attachment 2 for the non-GAAP financial measures of adjusted EBITDAX, operating costs per BOE (excluding effects of PSC-type contracts), adjusted net income (loss) and free cash flow, including reconciliations to their most directly comparable GAAP measure, where applicable. For the full year 2021 estimates of

the non-GAAP measures of adjusted EBITDAX and free cash flow, including reconciliations to their most directly comparable GAAP measure, see Attachment 7.
[2] Calculated as $151 million of cash plus $492 million of capacity on CRC's Revolving Credit Facility less $125 million in outstanding letters of credit.

About California Resources Corporation

California Resources Corporation (CRC) is an independent oil and natural gas company committed to energy transition in the sector. CRC has some of the lowest carbon intensity production in the U.S. and we are focused on maximizing the value of our land, mineral and technical resources for decarbonization by developing Carbon Capture and Sequestration (CCS) and other emissions reducing projects. For more information about CRC, please visit www.crc.com.

Forward-Looking Statements

The information included herein contains forward-looking statements that involve risks and uncertainties that could materially affect CRC's expected results of operations, liquidity, cash flows and business prospects. Such statements include those regarding CRC's expectations as to its future:

- financial position, liquidity, cash flows and results of operations
- business prospects
- transactions and projects
- operating costs and general and administrative expenses
- operations and operational results including production, hedging and capital investment
- budgets and maintenance capital requirements
- reserves and reservoir characteristics
- type curves
- expected synergies from acquisitions and joint ventures
- energy transition initiatives

Actual results may differ from anticipated results, sometimes materially, and reported results should not be considered an indication of future performance. While CRC believes assumptions or bases underlying its expectations are reasonable and make them in good faith, they almost always vary from actual results, sometimes materially. CRC also believes third-party statements it cites are accurate but have not independently verified them and do not warrant their accuracy or completeness. Factors (but not necessarily all the factors) that could cause results to differ include:

- CRC's ability to execute its business plan post-emergence
- the volatility of commodity prices and the potential for sustained low oil, natural gas and natural gas liquids prices
- impact of CRC's recent emergence from bankruptcy on its business and relationships
- debt limitations on CRC's financial flexibility
- insufficient cash flow to fund planned investments, interest payments on CRC's debt, debt repurchases or changes to CRC's capital plan
- insufficient capital or liquidity, including as a result of lender restrictions, unavailability of capital markets or inability to attract potential investors
- limitations on transportation or storage capacity and the need to shut-in wells
- inability to enter into desirable transactions including acquisitions, asset sales and joint ventures
- CRC's ability to utilize its net operating loss carryforwards to reduce its income tax obligations
- legislative or regulatory changes, including those related to (i) drilling, completion, well stimulation, operation, maintenance or abandonment of wells or facilities, (ii) managing energy, water, land, greenhouse gases (GHGs) or other emissions, (iii) protection of health, safety and the environment, (iv) tax credits or other incentives, or (v) transportation, marketing and sale of CRC products
- joint ventures and acquisitions and CRC's ability to achieve expected synergies
- the recoverability of resources and unexpected geologic conditions
- incorrect estimates of reserves and related future cash flows and the inability to replace reserves
- changes in business strategy
- production-sharing contracts' effects on production and unit operating costs
- the effect of CRC's stock price on costs associated with incentive compensation
- effects of hedging transactions
- equipment, service or labor price inflation or unavailability
- availability or timing of, or conditions imposed on, permits and approvals
- lower-than-expected production, reserves or resources from development projects, joint ventures or acquisitions, or higher-than-expected decline rates
- disruptions due to accidents, mechanical failures, power outages, transportation or storage constraints, natural disasters, labor difficulties, cyber attacks or other catastrophic events
- pandemics, epidemics, outbreaks, or other public health events, such as the COVID-19
- CRC's ability to recognize the benefits of business strategies and initiatives related to energy transition, including carbon capture and sequestration projects and other renewable energy efforts
- factors discussed in Item 1A, Risk Factors in CRC's Annual Report on Form 10-K available at www.crc.com

Words such as "anticipate," "believe," "continue," "could," "estimate," "expect," "goal," "intend," "likely," "may," "might," "plan," "potential," "project," "seek," "should," "target, "will" or "would" and similar words that reflect the prospective nature of events or outcomes typically identify forward-looking statements. Any forward-looking statement speaks only as of the date on which such statement is made, and we undertake no obligation to correct or update any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by applicable law.

SUMMARY OF RESULTS

($ and shares in millions, except per share amounts)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Statements of Operations:				
Revenues				
Oil, natural gas and NGL sales	$ 478	$ 245	$ 910	$ 675
Net derivative (loss) gain from commodity contracts	(265)	(4)	(478)	75
Other revenue				
Trading revenue	48	14	146	59
Electricity sales	33	19	66	32
Other	10	2	23	8
Total revenues	304	276	667	849
Costs				
Operating costs	169	127	333	319
General and administrative expenses	48	69	96	129
Depreciation, depletion and amortization	54	88	106	207
Asset impairments	—	—	3	1,736
Taxes other than on income	37	38	77	79
Exploration expense	2	2	4	7
Other expenses, net				
Trading costs	30	8	91	32
Electricity cost of sales	17	14	41	30
Transportation costs	14	8	26	21
Other	23	37	53	53
Total costs	394	391	830	2,613
Operating Loss	(90)	(115)	(163)	(1,764)
Non-Operating (Loss) Income				
Reorganization items, net	(2)	—	(4)	—
Interest and debt expense, net	(13)	(85)	(26)	(172)
Net (loss) gain on extinguishment of debt	—	—	(2)	5
Other non-operating expenses	(2)	(47)	(1)	(61)
Loss Before Income Taxes	(107)	(247)	(196)	(1,992)
Income tax provision	—	—	—	—
Net Loss	(107)	(247)	(196)	(1,992)
Net income attributable to noncontrolling interests	(4)	(24)	(9)	(75)
Net Loss Attributable to Common Stock	$ (111)	$ (271)	$ (205)	$ (2,067)
Net loss attributable to common stock per share - basic and diluted	$ (1.34)	$ (5.47)	$ (2.46)	$ (41.84)
Adjusted net income (loss)	$ 78	$ (202)	$ 180	$ (210)
Adjusted net income (loss) per share - basic	$ 0.94	$ (4.08)	$ 2.16	$ (4.25)
Adjusted net income (loss) per share - diluted	$ 0.94	$ (4.08)	$ 2.15	$ (4.25)
Weighted-average common shares outstanding - basic	83.1	49.5	83.2	49.4
Weighted-average common shares outstanding - diluted	83.4	49.5	83.7	49.4
Adjusted EBITDAX	$ 169	$ 19	$ 358	$ 270
Effective tax rate	0%	0%	0%	0%

($ in millions)	Successor 2nd Qtr. 2021	Predecessor 2nd Qtr. 2020	Successor Six Months 2021	Predecessor Six Months 2020
Cash Flow Data:				
Net cash provided (used) by operating activities	$ 127	$ (135)	$ 274	$ 93
Net cash used by investing activities	$ (43)	$ (15)	$ (63)	$ (27)
Net cash (used) provided by financing activities	$ (63)	$ 199	$ (88)	$ 43

($ and shares in millions)	June 30, 2021	December 31, 2020
Selected Balance Sheet Data:		
Total current assets	$ 577	$ 329

Property, plant and equipment, net	$ 2,573	$ 2,655
Total current liabilities	$ 886	$ 473
Long-term debt, net	$ 589	$ 597
Other long-term liabilities	$ 850	$ 822
Stockholder's Equity	$ 915	$ 1,182
Outstanding shares	81.9	83.3

DERIVATIVE GAINS AND LOSSES ON COMMODITY CONTRACTS

($ millions)	Successor 2nd Qtr. 2021	Predecessor 2nd Qtr. 2020	Successor Six Months 2021	Predecessor Six Months 2020
Non-cash derivative loss - excluding noncontrolling interest	$ (183)	$ —	$ (357)	$ (35)
Non-cash derivative (loss) gain - noncontrolling interest	—	(9)	—	7
Total non-cash changes	(183)	(9)	(357)	(28)
Net (payments) proceeds on settled commodity derivatives	(82)	5	(121)	40
Net proceeds on sale of commodity derivatives	—	—	—	63
Net derivative (loss) gain from commodity contracts	$ (265)	$ (4)	$ (478)	$ 75

CAPITAL INVESTMENTS

($ millions)	Successor 2nd Qtr. 2021	Predecessor 2nd Qtr. 2020	Successor Six Months 2021	Predecessor Six Months 2020
Internally funded capital	$ 50	$ 3	$ 77	$ 33
Capital investments not included on our financial statements:				
MIRA funded capital	—	(1)	—	1
Alpine funded capital	—	8	—	97
Total capital program	$ 50	$ 10	$ 77	$ 131

Attachment 2

NON-GAAP FINANCIAL MEASURES AND RECONCILIATIONS

To supplement the presentation of its financial results prepared in accordance with U.S generally accepted accounting principles (GAAP), management uses certain non-GAAP measures to assess our financial condition, results of operations and cash flows. The non-GAAP measures include adjusted net income (loss), adjusted EBITDAX, adjusted EBITDAX margin, discretionary cash flow. free cash flow and operating costs per BOE, among others. These measures are also widely used by the industry, the investment community and our lenders. Although these are non-GAAP measures, the amounts included in the calculations were computed in accordance with GAAP. Certain items excluded from these non-GAAP measures are significant components in understanding and assessing our financial performance, such as our cost of capital and tax structure, as well as the effect of acquisition and development costs of our assets. Management believes that the non-GAAP measures presented, when viewed in combination with its financial and operating results prepared in accordance with GAAP, provide a more complete understanding of the factors and trends affecting the Company's performance. The non-GAAP measures presented herein may not be comparable to other similarly titled measures of other companies. Below are additional disclosures regarding each of the non-GAAP measures reported in this press release, including reconciliations to their most directly comparable GAAP measure where applicable.

ADJUSTED NET INCOME (LOSS)

Adjusted net income (loss) and adjusted net income (loss) per share are non-GAAP measures. We define adjusted net income as net income excluding the effects of significant transactions and events that affect earnings but vary widely and unpredictably in nature, timing and amount. These events may recur, even across successive reporting periods. Management believes these non-GAAP measures provide useful information to the industry and the investment community interested in comparing our financial performance between periods. Reported earnings are considered representative of management's performance over the long term. Adjusted net income (loss) is not considered to be an alternative to net income (loss) reported in accordance with GAAP. The following table presents a reconciliation of the GAAP financial measure of net income (loss) and net income (loss) attributable to common stock per share to the non-GAAP financial measure of adjusted net income (loss) and adjusted net income (loss) per share.

($ millions, except per share amounts)	Successor 2nd Qtr. 2021	Predecessor 2nd Qtr. 2020	Successor Six Months 2021	Predecessor Six Months 2020
Net loss	$ (107)	$ (247)	$ (196)	$ (1,992)
Net income attributable to noncontrolling interests	(4)	(24)	(9)	(75)
Net loss attributable to common stock	(111)	(271)	(205)	(2,067)
Unusual, infrequent and other items:				
Non-cash derivative loss from commodities, excluding noncontrolling interest	183	—	357	35

Asset impairments	—	—	3	1,736
Reorganization items, net	2	—	4	—
Chapter 11 transaction costs	—	49	—	49
Severance and termination costs	1	—	15	—
Net loss (gain) on extinguishment of debt	—	—	2	(5)
Deficiency payment on pipeline delivery contract	—	20	—	20
Power plant maintenance	—	—	—	7
Incentive and retention award modification	—	4	—	4
Gains on asset divestitures	—	—	(2)	
Rig termination expenses	1	2	2	2
Other, net	2	(6)	4	9
Total unusual, infrequent and other items	189	69	385	1,857
Adjusted net income (loss) attributable to common stock	$ 78	$ (202)	$ 180	$ (210)
Net loss attributable to common stock per share - diluted	$ (1.34)	$ (5.47)	$ (2.46)	$ (41.84)
Adjusted net income (loss) per share - basic	$ 0.94	$ (4.08)	$ 2.16	$ (4.25)
Adjusted net income (loss) per share - diluted	$ 0.94	$ (4.08)	$ 2.15	$ (4.25)

FREE CASH FLOW

Management uses free cash flow, which is defined by us as net cash provided by operating activities less capital investments, as a measure of liquidity. The following table presents a reconciliation of our net cash provided by operating activities to free cash flow. We have excluded one-time costs for bankruptcy related fees during 2021 and 2020 as a supplemental measure of our free cash flow.

($ millions)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Net cash provided (used) by operating activities	$ 127	$ (135)	$ 274	$ 93
Capital investments	(50)	(3)	(77)	(33)
Free cash flow	77	(138)	197	60
One-time bankruptcy related fees	2	42	4	47
Free cash flow, after special items	$ 79	$ (96)	$ 201	$ 107

ADJUSTED EBITDAX

We define Adjusted EBITDAX as earnings before interest expense; income taxes; depreciation, depletion and amortization; exploration expense; other unusual, infrequent and out-of-period items; and other non-cash items. We believe this measure provides useful information in assessing our financial condition, results of operations and cash flows and is widely used by the industry, the investment community and our lenders. Although this is a non-GAAP measure, the amounts included in the calculation were computed in accordance with GAAP. Certain items excluded from this non-GAAP measure are significant components in understanding and assessing our financial performance, such as our cost of capital and tax structure, as well as depreciation, depletion and amortization of our assets. This measure should be read in conjunction with the information contained in our financial statements prepared in accordance with GAAP. A version of Adjusted EBITDAX is a material component of certain of our financial covenants under our Revolving Credit Facility and is provided in addition to, and not as an alternative for, income and liquidity measures calculated in accordance with GAAP.

($ millions, except per BOE amounts)	Successor 2nd Qtr. 2021	Predecessor 2nd Qtr. 2020	Successor Six Months 2021	Predecessor Six Months 2020
Net loss	$ (107)	$ (247)	$ (196)	$ (1,992)
Interest and debt expense, net	13	85	26	172
Depreciation, depletion and amortization	54	88	106	207
Exploration expense	2	2	4	7
Unusual, infrequent and other items [(a)]	189	69	385	1,857
Non-cash items				
Accretion expense	13	10	26	20
Stock-settled compensation	4	2	5	4
Post-retirement medical and pension	1	1	2	2
Other non-cash items	—	9	—	(7)
Adjusted EBITDAX	$ 169	$ 19	$ 358	$ 270
Net cash provided (used) by operating activities	$ 127	$ (135)	$ 274	$ 93
Cash interest	2	10	5	59
Exploration expenditures	2	2	4	7
Working capital changes	38	142	75	111
Adjusted EBITDAX	$ 169	$ 19	$ 358	$ 270

Adjusted EBITDAX per Boe	$ 18.48	$ 1.86	$ 19.78	$ 12.69

(a) See Adjusted Net Income (Loss) reconciliation.

DISCRETIONARY CASH FLOW

We define discretionary cash flow as the cash available after distributions to noncontrolling interest holders and cash interest, excluding the effect of working capital changes but before our internal capital investment. Management uses discretionary cash flow as a measure of the availability of cash to reduce debt or fund investments.

($ millions)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Adjusted EBITDAX	$ 169	$ 19	$ 358	$ 270
Cash interest	(2)	(10)	(5)	(59)
Distributions paid to noncontrolling interest holders:				
BSP	(17)	(5)	(31)	(29)
Ares	—	(19)	—	(39)
Asset retirement obligations and idle well testing	(12)	(2)	(24)	(6)
Discretionary cash flow	$ 138	$ (17)	$ 298	$ 137

ADJUSTED EBITDAX MARGIN

Management uses adjusted EBITDAX margin as a measure of profitability between periods and this measure is generally used by analysts for comparative purposes within the industry. Adjusted EBITDAX margin is calculated as adjusted EBITDAX divided by Revenues, excluding non-cash derivative gains and losses.

($ millions)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor 4th Quarter 2020
Total revenues	$ 304	$ 276	$ 667	$ 849
Non-cash derivative loss	183	9	357	28
Revenues, excluding non-cash derivative gains and losses	$ 487	$ 285	$ 1,024	$ 877
Adjusted EBITDAX margin	35%	7%	35%	31%

OPERATING COSTS PER BOE

The reporting of our PSC-type contracts creates a difference between reported operating costs, which are for the full field, and reported volumes, which are only our net share, inflating the per barrel operating costs. The following table presents operating costs after adjusting for the excess costs attributable to PSC-type contracts.

($ per Boe)	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Energy operating costs [(a)]	$ 4.70	$ 3.51	$ 4.70	$ 3.61
Gas processing costs	0.66	0.46	0.60	0.57
Non-energy operating costs [(b)]	13.12	8.45	13.10	10.81
Operating costs	$ 18.48	$ 12.42	$ 18.40	$ 14.99
Excess costs attributable to PSC-type contracts	(1.73)	(0.42)	(1.66)	(0.66)
Operating costs, excluding effects of PSC-type contracts	$ 16.75	$ 12.00	$ 16.74	$ 14.33

(a) - Energy operating costs include purchases of fuel gas and electricity used in our operations and internal costs to produce electricity used in our fields.
(b) - Non-energy operating costs equal total operating costs less energy operating costs and gas processing costs.

Attachment 3

PRODUCTION STATISTICS

Net Oil, NGLs and Natural Gas Production Per Day	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Oil (MBbl/d)				
San Joaquin Basin	39	41	38	44
Los Angeles Basin	19	27	20	26
Ventura Basin	3	2	2	3
Total	61	70	60	73

NGLs (MBbl/d)				
San Joaquin Basin	13	13	12	14
Ventura Basin	—	—	1	—
Total	13	13	13	14
Natural Gas (MMcf/d)				
San Joaquin Basin	135	148	135	151
Los Angeles Basin	1	2	1	2
Ventura Basin	5	3	5	4
Sacramento Basin	20	21	20	22
Total	161	174	161	179
Total Production (MBoe/d)	101	112	100	117

Gross Operated and Net Non-Operated Oil, NGLs and Natural Gas Production Per Day	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Oil (MBbl/d)				
San Joaquin Basin	45	48	45	51
Los Angeles Basin	27	30	27	31
Ventura Basin	3	2	3	3
Total	75	80	75	85
NGLs (MBbl/d)				
San Joaquin Basin	14	14	12	14
Ventura Basin	—	—	1	—
Total	14	14	13	14
Natural Gas (MMcf/d)				
San Joaquin Basin	144	158	144	160
Los Angeles Basin	8	9	8	9
Ventura Basin	5	3	5	5
Sacramento Basin	24	26	24	28
Total	181	196	181	202
Total Production (MBoe/d)	119	127	118	133

Note: MBbl/d refers to thousands of barrels per day; MMcf/d refers to millions of cubic feet per day; MBoe/d refers to thousands of barrels of oil equivalent (Boe) per day. Natural gas volumes have been converted to Boe based on the equivalence of energy content of six thousand cubic feet of natural gas to one barrel of oil. Barrels of oil equivalence does not necessarily result in price equivalence.

Attachment 4

PRICE STATISTICS

	Successor 2nd Quarter 2021	Predecessor 2nd Quarter 2020	Successor Six Months 2021	Predecessor Six Months 2020
Realized Prices				
Oil with hedge ($/Bbl)	$ 54.10	$ 30.82	$ 53.91	$ 43.76
Oil without hedge ($/Bbl)	$ 68.94	$ 30.27	$ 64.89	$ 41.02
NGLs ($/Bbl)	$ 44.90	$ 21.05	$ 46.75	$ 25.18
Natural gas ($/Mcf)	$ 3.04	$ 1.65	$ 3.17	$ 1.96
Index Prices				
Brent oil ($/Bbl)	$ 69.02	$ 33.27	$ 65.06	$ 42.12
WTI oil ($/Bbl)	$ 66.07	$ 27.85	$ 61.96	$ 37.01
NYMEX gas ($/MMBtu)	$ 2.76	$ 1.77	$ 2.74	$ 1.91
Realized Prices as Percentage of Index Prices				
Oil with hedge as a percentage of Brent	78%	93%	83%	104%
Oil without hedge as a percentage of Brent	100%	91%	100%	97%
Oil with hedge as a percentage of WTI	82%	111%	87%	118%
Oil without hedge as a percentage of WTI	104%	109%	105%	111%
NGLs as a percentage of Brent	65%	63%	72%	60%
NGLs as a percentage of WTI	68%	76%	75%	68%

Natural gas as a percentage of NYMEX	110%	93%	116%	103%

Attachment 5

2ND QUARTER 2021 DRILLING ACTIVITY

Wells Drilled	San Joaquin Basin	Los Angeles Basin	Ventura Basin	Sacramento Basin	Total
Development Wells					
Primary	11	—	—	—	11
Waterflood	10	—	—	—	10
Total [1]	21	—	—	—	21

SIX MONTHS 2021 DRILLING ACTIVITY

Wells Drilled	San Joaquin Basin	Los Angeles Basin	Ventura Basin	Sacramento Basin	Total
Development Wells					
Primary	28	—	—	—	28
Waterflood	10	—	—	—	10
Total [1]	38	—	—	—	38

[1] Includes steam injectors and drilled but uncompleted wells, which would not be included in the SEC definition of wells drilled.

Attachment 6

CRUDE OIL HEDGES AS OF JUNE 30, 2021

	Q3 2021	Q4 2021	1Q 2022	2Q 2022	2H 2022	FY 2023
Sold Calls:						
Barrels per day	36,688	37,037	35,347	35,343	28,773	14,790
Weighted-average Brent price per barrel	$50.47	$60.75	$60.37	$60.63	$59.07	$58.01
Purchased Puts:						
Barrels per day	36,943	35,820	35,347	35,343	28,773	14,790
Weighted-average Brent price per barrel	$40.18	$40.19	$40.57	$41.13	$40.70	$40.00
Sold Puts:						
Barrels per day	14,647	14,193	6,869	—	2,674	—
Weighted-average Brent price per barrel	$30.00	$32.00	$32.00	—	$32.00	—
Swaps:						
Barrels per day	11,063	11,922	10,869	8,669	8,386	6,930
Weighted-average Brent price per barrel	$51.02	$52.61	$52.62	$51.31	$51.22	$52.15

Attachment 7

2021E TOTAL YEAR GUIDANCE

	Total Year 2021E
Total Production (Mboe/d)	97 - 100
Oil Production (Mbbl/d)	60 - 62
Operating Costs ($ millions)	$670 - $695
General and administrative expenses ($ millions)	$180 - $190
Capital ($ millions)	$170 - $190
Adjusted EBITDAX ($ millions)	$725 - $825
Free cash flow ($ millions)	$400 - $500

See Attachment 2 for management's disclosure of its use of these non-GAAP measures and how these measures provide useful information to investors about CRC's results of operations and financial condition. For FY 2021E guidance, management is not providing guidance on income taxes or any unusual or infrequent events at this time.

	FY 2021 Estimated	
($ millions)	Low	High
Net cash provided by operating activities	$ 590	$ 670
Capital investments	(190)	(170)

Estimated free cash flow	$ 400	$ 500

	FY 2021 Estimated	
($ millions)	Low	High
Net income	$ 195	$ 240
Interest and debt expense, net	50	55
Depreciation, depletion and amortization	190	225
Exploration expense	5	10
Unusual, infrequent and other items	220	220
Other non-cash items		
Accretion expense	50	55
Stock-settled compensation	10	15
Post-retirement medical and pension	5	5
Estimated adjusted EBITDAX	$ 725	$ 825
Net cash provided by operating activities	$ 590	$ 670
Cash interest	30	35
Exploration expenditures	5	10
Working capital changes	100	110
Estimated adjusted EBITDAX	$ 725	$ 825

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California
Department of Conservation

Geologic Energy Management Division

Idle Well Program Report

IDLE & LONG-TERM IDLE WELLS IN CALIFORNIA

Reporting Period: January 1, 2019 to December 31, 2019
Prepared Pursuant to Assembly Bill 2729 (Ch. 272, Stats. of 2016)
March 2021

Gavin Newsom, *Governor, State of California*
David Shabazian, *Director, Department of Conservation*
Uduak-Joe Ntuk*, State Oil & Gas Supervisor*

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MESSAGE FROM THE STATE OIL AND GAS SUPERVISOR

Dear California State Legislators,

It's my pleasure to present the California Geologic Energy Management (CalGEM) Division's annual idle well legislative report. This is the second annual report submitted in response to the legislative report requirements of Assembly Bill 2729 (AB 2729) (Williams, Ch. 272, Statutes of 2016) regarding the status of idle and long- term idle wells (LTIW) in the California.

In our first report (2018), CalGEM (then DOGGR) reported that in 2018 calendar year there were 29,292 idle wells of which 17,576 were long-term idle well. Throughout 2018, 1,346 idle wells were plugged and abandoned, and operators with approved idle well management plans (IWMPs) eliminated 988 long-term idle wells. In this report (2019), a total of 37,095 wells met the definition of an idle well of which 17,560 were long-term idle wells during the 2019 calendar year. 1,927 idle wells were plugged and abandoned, and 690 idle wells were returned to active use. Under the approved IWMPs, a total of 543 long-term idle wells were eliminated either by plugging and abandonment or returning to use.

The increases in the number of idle wells, number of idle wells plugged, and the number of idle wells returned to use demonstrate CalGEM's continued progress in identifying idle wells, eliminating long-term idle wells and meeting the intent of the legislation in spite of many challenges. In 2019, CalGEM issued more plug and abandonment permits than any other type of permit due to our focus on statewide idle well management.

Going forward, CalGEM is committed to advance Governor Newsom's Executive Order N-79-20 to hold operators responsible for the proper closure and remediation of their sites. The Idle Well program is one of our most powerful tools to that end. For more information about idle wells, please visit: https://www.conservation.ca.gov/calgem/idle_well

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Uduak-Joe Ntuk is the 17th California State Oil and Gas Supervisor responsible for managing the California Geologic Energy Management (CalGEM) Division. He was appointed by Governor Newsom in October 2019. Ntuk directs a statewide regulatory, technical, and field operations organization designed to emphasize the safe development of oil and natural gas conservation, which includes: protecting public health and safety, environmental quality, and the reduction and mitigation of greenhouse gas emissions associated with the development of hydrocarbon and geothermal resources in a manner that meets the energy needs of the state.

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ABOUT THE CALIFORNIA GEOLOGIC ENERGY MANAGEMENT DIVISION

The California Geologic Energy Management Division (CalGEM) prioritizes the protection of public health, safety, and the environment in its oversight of the oil, natural gas, and geothermal operations in California. To do that, CalGEM uses science and sound engineering practices to regulate the drilling, operation, and permanent closure of energy resource wells. CalGEM also regulates certain pipelines and facilities associated with production and injection. These regulatory duties include witnessing tests, inspections, and operations.

When CalGEM was established in 1915 (then known as the Division of Oil and Gas), the initial focus of regulation was the protection of oil and gas resources in the State from production practices that could harm the ultimate level of hydrocarbon recovery. Early CalGEM regulations included well spacing requirements and authority to limit production rates. However, those regulations and the focus of CalGEM have evolved and come to include the protection of public health, safety, and the environment.

CalGEM has grown significantly since it was established in 1915 and has taken major steps to ensure it will be able to handle challenges in a manner consistent with public expectations for a modern, efficient, collaborative, and science-driven regulatory agency. In 2019, the mission of CalGEM changed to include protecting public health and safety, environmental quality, and the reduction and mitigation of greenhouse gas emissions associated with the development of hydrocarbon and geothermal resources in a manner that meets the energy needs of the state.

CalGEM Districts

CalGEM operates out of four districts to best serve the needs of the State: Northern, Coastal, Inland, and Southern. Each district has its own offices where staff are available to assist the public and stakeholders. For more information about CalGEM, visit our website at https://www.conservation.ca.gov/calgem.

EXECUTIVE SUMMARY

The Department of Conservation (DOC) submits this report to satisfy the legislative report requirements of Assembly Bill 2729 (AB 2729) (Williams, Ch. 272, Statutes of 2016) regarding the status of idle and long-term idle wells (LTIW) for the 2019 calendar year. This report spans the period between January 1, 2019 and December 31, 2019.

Oil and gas wells that are not operated and maintained on a regular basis present several hazards to the environment as well as public health and safety. Deteriorating wells can create a conduit for contaminants such as hydrocarbons, lead, salt and sulfates to enter freshwater aquifers and pose potential risks to surface water, air quality, soils and vegetation.

Idle wells also present a liability risk to California. Operators with a large inventory of idle wells may be postponing the cost to permanently plug and abandon the wells for financial reasons. If the operator becomes insolvent, the costs associated with plugging the wells falls to two funds managed by CalGEM and funded through the payment of assessments and idle well fees, and the State may inherit liability to plug those idlewells

Because of the risk and potential liability posed by idle wells in the State, DOC sponsored AB 2729 to discourage operators from leaving their wells in an idle state. AB 2729 established new definitions for "idle well" and "long-term idle well," updated fees assessed on idle wells, revised parameters for plans for the management and elimination of long-term idle wells (LTIW), and mandated the review, evaluation, and update of CalGEM idle well regulations. The reporting period addressed in this report reflects CalGEM's second year implementing these revised statutory requirements. CalGEM has invested significant resources to implement the new requirements, including implementing new idle well regulations, continuing to identify idle wells, calculating idle well fee invoices, tracking fee payments, facilitating Idle Well Management Plan (IWMP) requirements, and monitoring compliance with both the statutory and regulatory idle well requirements.

In 2019, CalGEM collected $4,199,550.00 in idle well fees for all wells that met the definition of idle well in the preceding calendar year. Idle well fees are deposited into the Hazardous Idle Deserted Well Abatement Fund (HIDWAF). The balance of the HIDWAF on December 31, 2019 was $10,565,000. CalGEM also oversaw the implementation of 61 approved

IWMPs, resulting in the elimination of 543 LTIWs. An additional three IWMPs were submitted, but after reviewing one IWMP, CalGEM determined that the operator was not eligible to submit an IWMP, because the operator was not in possession of a LTIW on January 1, 2019 and for the remaining two IWMPs, the operators decided to pay fees before CalGEM could approve their IWMPs. The difference in the numbers of LTIWs expected to be eliminated and the number of LTIWs eliminated is a combination of those operators who cancelled their IWMPs and paid fees, and operators who used credits for LTIWs they eliminated last year. These numbers represent a substantial increase in revenue available to remediate hazardous wells to protect public health and the environment, and a dramatic increase in the rate of plugging LTIWs.

The Requirements for Idle Well Testing and Management regulations developed by CalGEM took effect on April 1, 2019. The requirements include testing requirements for idle wells that operators plan to return to use, a testing waiver plan that allows operators to forego testing an idle well if the operator commits to plugging and abandoning the well, an idle well inventory and evaluation that operators of idle wells must submit, engineering analysis for idle wells idle for 15 years or longer, filing requirements for idle well management plans, and monitoring requirements for inaccessible idle wells. These idle well regulations provide for the most rigorous testing standards for idle wells in the country and prevent damage to life, health, property, and natural resources. CalGEM anticipates that the new rules will further accelerate plugging of idle wells and LTIWs.

The following key facts are included in this report:

- 37,095 wells met the definition of idle well and 17,560 of those met the definition of long-term idle well at some point during the reporting period.
- During the reporting period, the status of 1,927 idle wells changed from idle to plugged.
- During the reporting period, the status of 690 idle wells changed from idle to active.
- 61 operators submitted IWMPs that CalGEM approved.
  - 50 operators were found to be in compliance with the terms of their approved IWMPs at the conclusion of CalGEM's annual review.
  - Five operators voluntarily voided their 2019 IWMP and filed idle well fees, totaling $30,150, to remain in compliance with Public Resources Code section 3206.

  - Six operators had their IWMPs canceled by CalGEM due to failure to comply with the terms of their approved IWMPs. Two of the operators paid the idle well fees owed, and CalGEM is pursuing enforcement action against the remaining three operators. A fourth operator also failed to pay the required idle well fees, however, that operator is currently in bankruptcy. CalGEM filed a Proof of Claim with the bankruptcy court for the outstanding idle well fees. Two other operators received a Notice of Cancellation from CalGEM and appealed the cancellation, but in each of those cases the issues were resolved. Those two operators are included in the 50 operators found to be in compliance.
- Based upon the terms of the approved IWMPs, operators were expected to eliminate a minimum of 572 LTIWs across the State in 2019.
  - Operators eliminated 543 LTIWs. Operators eliminated fewer LTIWs than was expected because operators eliminated excess LTIWs in 2018 and applied the credits they received for eliminating those excess wells towards their 2019 IWMP elimination requirements.
  - 18 operators eliminated more LTIWs than was required by their approved IWMP, resulting in those operators earning 57 elimination credits, which can be used for IWMP compliance for up to two years.
- The Requirements for Idle Well Testing and Management regulations took effect on April 1, 2019.

In sum, this report demonstrates that CalGEM has continued to make significant progress to identify idle wells, increase funds to address wells that have not been appropriately plugged, and work with operators to reduce the inventory of idle wells.

This report is divided into two parts: Part 1 summarizes the objective and scope of this report and Part 2 fulfills the legislative reporting requirements prescribed in Public Resources Code section 3206.3. The appendices provide the most current lists of idle wells, references and sources of the data, and a glossary of terms.

INTRODUCTION

Objective & Scope of Report

This report provides a comprehensive accounting of the idle well population to the California Legislature and the public. This report covers the idle well counts, orphan well counts, and IWMP statistics in California from January 1, 2019 through December 31, 2019.

A primary concern with idle wells is the risk they pose as potential conduits for contaminants. Deteriorating idle wells pose risks to underground sources of drinking water because the wellbore may penetrate a fresh water resource. Similarly, poorly maintained idle wells may become sources of hydrocarbon emissions and methane and hydrogen sulfide leaks. Additionally, a large inventory of idle wells poses an increased risk that wells will become deserted when operators become financially insolvent, leaving the management of environmental remediation to the State.

To address these problems, DOC sponsored AB 2729 to increase bonding requirements, require operators to maintain bonds for the life of the well, increase idle well fees, reauthorize the use of idle well management plans, and direct CalGEM to promulgate regulations to better protect public health, safety, natural resources, and the environment from risks associated with idle wells.

The Requirements for Idle Well Testing and Management regulations took effect on April 1, 2019. The requirements include testing requirements for idle wells that operators plan to return to use, a testing waiver plan that allows operators to forego testing an idle well if the operator commits to plugging and abandoning the well, an idle well inventory and evaluation that operators of idle wells must submit, engineering analysis for idle wells idle for 15 years or longer, filing requirements for IWMPs, and monitoring requirements for inaccessible idle wells. In response to the newly adopted regulations, in 2019, CalGEM received and has overseen the implementation of 73 Testing Compliance Work Plans and 20 Testing Waiver Plans.

This report presents idle well information drawn from operator records submitted to CalGEM. These records include monthly volumetric reporting, IWMPs, and well histories required for permits to abandon wells. In the 2018 Idle Well Report, CalGEM identified

29,292 wells that met the definition of idle well. In this report, CalGEM identified 37,095 wells that met the definition of idle well. This increase in the idle well inventory can, in large part, be attributed to CalGEM's transition to utilizing WellSTAR (Well Statewide Tracking & Reporting at https://www.conservation.ca.gov/calgem/for_operators/Pages/WellSTAR.aspx) for all data management. During this transition, a number of operators have failed to report their production in a timely manner. As such, when WellSTAR calculates the number of wells idle each month, those wells that operators have failed to submit production reporting are included in the idle well count, even though the wells may not in fact be idle. CalGEM is continuing to work with operators who are experiencing challenges with WellSTAR and will take enforcement action when necessary against those operators who continue to fail to submit production reporting.

Public Resources Code section 3206.3, subdivision (a)(1) requires that this report address the following:

1. A list of all idle and long-term idle wells in the State by American Petroleum Institute identification number, operator, field, and pool.
2. A list of all wells whose idle or long-term idle status changed in the preceding year by American Petroleum Institute identification number with the disposition and current status of each well.
3. A list of orphan wells remaining, the estimated costs to abandon those orphan wells, and a timeline for future orphan well abandonment with a specific schedule of goals. Idle and LTIWs that have become orphan wells shall be identified in the list. For the purposes of this report, an orphan well is a well that has no party responsible for it, leaving the State to plug it.
4. A list of all operators with plans filed with the Supervisor for the management and elimination of all long-term idle wells and the status of those plans.
5. Any additional relevant information as determined by the Supervisor.

Contact Information

For more information about the Idle Well Program, visit the program webpage: https://www.conservation.ca.gov/calgem/idle_well

For questions regarding the content of this report, contact DOC's Public Affairs Office at pao@conservation.ca.gov.

Acronyms & Abbreviations

TERM	DESCRIPTION
CalGEM	California Geologic Energy Management Division
IWMP	Idle Well Management Plan
LTIW	Long-term idle well
NTO	Notice to Operators
PY	Personnel Year
WellSTAR	Well Statewide Tracking and Reporting

IDLE & LONG-TERM IDLE WELLS IN CALIFORNIA

1. Idle & Long-Term Idle Wells

Public Resources Code section 3206.3, subdivision (a)(1)(A): A list of all idle and long-term idle wells in the state by American Petroleum Institute identification number and indicating the operator, field, and pool.

Public Resources Code section 3206.3, subdivision (a)(1)(B): A list of all wells whose idle or long-term idle status changed in the preceding year by American Petroleum Institute identification number with the disposition and current status of each well.

See Appendix A-1 for the list of all wells that met the definition of idle well at any point in the 2019 calendar year.

See Appendix A-2 for the list of all wells that had a status change from idle to long-term idle in the 2019 calendar year.

See Appendix A-3 for the list of all wells that had a status change from idle well to plugged.

See Appendix A-4 for the list of wells that had a status change from idle well to active.

1.1 Idle & Long-Term Idle Wells in the State

In alignment with the 2017 Renewal Plan, CalGEM remains committed to improving its data management through the adoption and development of the WellSTAR application. (for more information please see the updated renewal plan at: https://www.conservation.ca.gov/calgem/Pages/RenewalPlan.aspx)

At the end of this reporting period, a known 37,095 wells met the definition of idle well at some point during the 2019 calendar year. Of the total idle well population, 17,560 idle wells had been idle for eight or more years at any point during the 2019 calendar year and thus meet the statutory definition of LTIW.

1.2 Idle & Long-Term Idle Wells That Changed Status in 2019

During 2019, 37,095 wells met the definition of idle well. A total of 1,849 idle wells changed status to LTIW during the calendar year.

During the 2019 reporting period a total of 2,617 wells no longer met the definition of idle well. A total of 1,927 idle wells changed status from idle to plugged as they were plugged in accordance with Public Resources Code section 3208. A total of 690 idle wells are known to have changed status from idle to active. These wells returned to active status as a result of maintaining production of oil or natural gas, maintaining production of water used in production stimulation, or being used for enhanced oil recovery, reservoir pressure management, or injection for six continuous months within the year. (Pub. Resources Code, § 3008, subd.(d).)

2. Orphan Wells

Public Resources Code section 3206.3, subdivision (a)(1)(C): A list of orphan wells remaining, the estimated costs of abandoning those orphan wells, and a timeline for future orphan well abandonment with a specific schedule of goals. Idle and long-term idle wells that have become orphan wells shall be identified in the list. For the purposes of this report, an orphan well is a well that has no party responsible for it, leaving the state to plug and abandon it.

See Appendix A-6 for the list of idle wells determined to be orphan.

2.1 Orphan Well Process

For purposes of this report, an orphan well has been defined as "a well that has no party responsible for it, leaving the State to plug and abandon it." (Pub. Resources Code, § 3206.3, subd. (a)(1)(C).) CalGEM's determination that a well is orphaned is a multi-step process that requires CalGEM to determine whether the well has been deserted by the operator and whether there is a solvent entity responsible to plug the well. Therefore, the number of orphan wells identified in this report only reflects those orphan wells for which CalGEM has gathered sufficient information to issue a finding of desertion, and for which CalGEM has completed a financial solvency test.

Before issuing an order to plug a well, CalGEM must gather sufficient evidence to demonstrate the well has been deserted. CalGEM also conducts a financial solvency test to decide if the well should be declared orphan. The financial solvency test is a factual inquiry into the solvency of the current operator and any other party responsible for plugging the well under Public Resources Code section 3237. If CalGEM determines the current operator does not have the financial resources to fully cover the cost to plug the well, previous operators that made a valid transfer after January 1, 1996, may be held responsible for the cost to plug the well. (Pub. Resources Code, § 3206.3, subds. (c)(1) & (2).) The statute does not allow CalGEM to hold a mineral interest owner responsible to plug the well unless the mineral interest owner retained a right to control the well operations that exceeds the scope of an interest customarily reserved in the lease. (Pub. Resources Code, § 3237, subd. (c)(3).) If, after researching the financial solvency for all potentially responsible parties, CalGEM determines there is no party with the financial resources to fully cover the cost to plug the well, the well can be declared an orphan. (Pub. Resources Code, §§ 3237, subd. (c)(1), 3251, subds. (b) & (e), 3206.3, subd. (a)(1)(C).)

CalGEM is continuing to gather evidence of desertion and conduct financial solvency tests for wells that are likely orphaned. The statutory changes implemented under AB 2729 have provided CalGEM the ability to more easily identify the wells that are likely orphan. Failure to comply with the new idle well requirements is conclusive evidence of desertion of the well. (Pub. Resources Code, § 3206.1.) CalGEM's comprehensive efforts to implement and enforce these new requirements are facilitating systematic identification of each deserted well for which there is no solvent responsible party. (Pub. Resources Code, § 3206, subd. (c).)

The orphan well process can include multiple wells associated with the same operator and takes approximately 4-6 months to complete per order. Completion of the orphan process may result in the determination that the well is orphaned or identification of a solvent responsible party.

In November of 2018, the California Council on Science and Technology issued a report citing 5,540 wells in California that may already be orphan or be at a high risk of becoming orphaned in the near future. The report also listed an additional 69,425 "economically marginal" and idle wells that were also identified at risk of becoming orphaned as production declines or the wells are acquired by financially weaker operators. Because

the report utilized a different standard for identifying potentially orphan wells, the numbers in the report issued by the California Council on Science and Technology differs from the numbers of deserted and orphan wells reported by CalGEM.

2.2 Orphan Well Inventory

CalGEM's Idle Well Program, Enforcement Unit, and Districts are actively working to identify idle wells that have been deserted and for which there is no solvent responsible party and can therefore be considered orphaned. During the 2019 reporting period, CalGEM issued orders to plug wells to ten operators for a total of 19 idle wells. Nine operators failed to respond to the plugging orders resulting in the identification of 18 deserted wells. One operator has appealed the plugging and abandonment order associated with one well. Of the remaining 18 wells, 8 wells have been identified as deserted and 10 wells have been declared orphan.

The solvent entity research has been conducted on a total of 24 deserted wells, including the eight deserted wells referenced above, during this reporting period, with 24 wells being declared orphaned on or before December 31, 2019. CalGEM estimates there are approximately 2,500 idle wells belonging to 943 operators that may be deserted and require orders to plug wells and initiate the orphan well process. An analysis of prior transfers and financial responsibility will require sustained effort from multiple programs.

2.3 Potentially Deserted and Deserted Well Inventory

In the 2018 reporting period, CalGEM reported 35 wells as deserted. CalGEM limited the reporting to these 35 wells because CalGEM had issued orders to plug and abandon them since the operators had failed to pay idle well fees. CalGEM did not report wells that met the definition of deserted for failure to pay idle wells but for which an order to plug and abandon had not been issued. Under Public Resources Code section 3206, subd. (c), failure to pay idle well fees is conclusive evidence of desertion permitting CalGEM to order the well abandoned pursuant to Public Resources Code section 3237. (For a full version of Public Resources Code sections 3206 and 3237 please see Appendices A-8 and A-9.)

CalGEM has identified 2,927 wells as potentially deserted in 2018 for failure to pay idle well fees and 3,265 wells as potentially deserted in 2019 because the operator failed to pay idle well fees for the associated wells. There is overlap in these two numbers. Of these wells,

2,854 were identified as potentially deserted in both 2018 and 2019 because the operator failed to pay idle well fees in both years. CalGEM has not, however, issued orders to plug and abandon all of these wells. In 2019, eight have been formally found to be deserted in an order to plug and abandon the well. Those eight wells are included in the list of potentially deserted and deserted wells. (See Appendix A-5 for a list of potentially deserted and deserted wells.)

It is worth noting, that failure to pay idle well fees is not the only evidence of desertion that CalGEM may rely upon in ordering a well plugged and abandoned. Under Public Resources Code section 3237, credible evidence of desertion may also include, but is not limited to: the operational history of the well or production facility, the response or lack of response of the operator to inquiries and requests from CalGEM, the extent of compliance by the operator with the requirements, and other actions. Similarly, a rebuttable presumption of desertion arises if: a well has not been completed to production or injection and the drilling machinery has been removed from the well site for at least six months; the well's production or injection equipment has been removed from the well site for at least two years; the operator has failed to comply with an order of the supervisor within the time provided by an order or has failed to comply with an order on a timely basis; an operator fails to designate an agent; an operator acquiring a well or production facility fails to comply with transfer requirements; or an operator fails to maintain the access road to a well or production facility. As such, the list of wells provided in Appendix A-5 may under-report the number of deserted wells because the list only includes those wells that are deserted due to the operator's failure to pay idle well fees.

2.4 Cost of Abandonment

Plugging costs of orphan wells are highly variable and, in many cases, difficult to predict. When an operator plugs one of their own wells, they are generally aware of the conditions of the well including problems with obstructions that they may encounter. When CalGEM plugs an orphan well, it lacks critical information about the condition of the well. For example, the well could be as old as 100 years, CalGEM may not know if the previous operator attempted to plug the well in the past, what material may have been emplaced in the well, if the casing is intact, and other information that is critical to understanding potential cost drivers in a plugging job. Costs can range from as low as $11/foot in a well in Kern County if the project goes smoothly to well over $200/foot in an urbanized area with high ancillary costs, such as temporarily moving utility lines, higher staging and

mobilization costs, and where "junk" obstructs downhole operations and leads to delays and cost overruns.

Using 2019 data, the table below indicates the average cost to abandon a well in each CalGEM District. Please note that these cost figures are averages and the actual costs to abandon any specific well can vary.

Table 2.4-1 Average Cost to Abandon Any Well (Orphan or Otherwise)

CALGEM DISTRICT	AVERAGE ABANDONMENT COST
Coastal	$87,075
Inland	$86,983
Northern	$98,423
Southern	$231,052

The table below shows CalGEM payments for state abandonments and the number of wells abandoned under each contract. Because the State pays for the abandonment of wells that have no responsible, solvent operator, the data in the table provides an appropriate representation of the cost to abandon orphan wells.

Table 2.4-2 CalGEM Well Abandonment Contract Payments FY2017-2019

Contract Number	Contractor	Number of Wells	Total Payments
2017-001	C. Case Company, Inc.	6	$378,921.76
2017-002	Paul Graham Drilling	7	$599,983.00
2017-016	Snow's Oil Field Service, Inc.	6	$390,335.10
2017-019	Snow's Oil Field Service, Inc.	5	$570,665.38
2017-020	Rival Well Services, Inc.	3	$983,161.00
2018-020	Driltek, Inc.	2	$147,826.00
2018-027	Driltek, Inc.	2	$1,304,734.98
2019-001	Driltek, Inc.	3	$470,961.77
2019-002	South Valley Companies, Inc.	1	$--*
2019-003	South Valley Companies, Inc.	2	$--*
2019-004	Driltek, Inc.	1	$--*
2019-008	Driltek, Inc.	9	$1,644,018.00
2018-009	Driltek, Inc.	1	$171,080.00
2019-010	Paul Graham Drilling and Service Company	6	$501,650.00
Total		**54**	**$7,163,336.99**

*Active contracts for which payments have not yet been made.

2.5 Timeline of Future Orphan Well Abandonment

CalGEM is appropriated funds annually to plug wells that have been declared orphan. Senate Bill 724 (SB 724) (Lara, Chapter 652, Statutes of 2017) temporarily increased the annual appropriation for orphan well abandonment from $1 million to $3 million per fiscal year commencing on July 1, 2018. (Pub. Resources Code, § 3258, subdiv. (a)(1).) This appropriation will revert to $1 million per fiscal year commencing with the 2022-2023 fiscal year. CalGEM intends to utilize the full amount of these funds annually to plug orphan wells.

Based on the cost range provided above, it is estimated that 23 to 100 wells may be plugged and abandoned for fiscal years 2018-2019 through 2021-2022. For fiscal year 2022-2023 and beyond, an estimated 7 to 33 wells may be plugged and abandoned annually. These annual benchmarks will fluctuate depending on the cost to plug each

orphan well. Many of the costs to plug wells are driven by conditions downhole that remain unknown until projects commence work. The prioritization of orphan wells to be plugged each year will be based upon the prioritization factors for idle wells described in California Code of Regulations Title 14 section 1772.4, which includes economic efficiencies associated with grouping wells by location.

The identification of wells requiring the orphan well process will be an ongoing effort. The two most common means by which these wells may be identified are: 1) failure to file annual idle well fees; and, 2) identification at the CalGEM district level based on finding of desertion under Public Resources Code section 3237. CalGEM is continuing to work to streamline both the orphan well determination and contracting processes and build a queue of orphan wells for subsequent fiscal years.

3. Plans for the Management & Elimination of Long-Term Idle Wells

Public Resources Code section 3206.3(a)(1)(D): A list of all operators with plans filed with the supervisor for the management and elimination of all long-term idle wells and the status of those plans.

See Appendix A-7 for the list of operators with 2019 IWMPs and their status.

3.1 Idle Well Management Plans

Under Public Resources Code section 3206, subdivision (a)(2), operators may, in lieu of paying annual idle well fees, file an IWMP that provides for the management and elimination of all the operator's LTIWs. An operator may eliminate a LTIW by either properly plugging and abandoning the well in accordance with the requirements of Public Resources Code section 3208 or demonstrating to CalGEM's satisfaction that the well has maintained production of oil or gas or been used for injection for a continuous six-month period.

IWMPs must commit operators to eliminating a minimum percentage of their LTIWs each calendar year. The required rate of elimination of LTIWs is based on the total number of statewide idle wells in the operator's possession on January 1 of each year. Unless and until the operator has no LTIWs, the operator must eliminate the required rate of wells annually.

The required elimination rates are as follows:

- Operators with 250 or fewer idle wells must eliminate at least 4% of their LTIWs annually.
- Operators with 251 to 1,250 idle wells must eliminate at least 5% of their LTIWs annually.
- Operators with more than 1,205 idle wells must eliminate at least 6% of their LTIWs annually.

Public Resources Code section 3206(a)(2)(B)(iii) affords operators the opportunity to receive credits for eliminating greater than the minimum required number of LTIWs. These credits may be applied to future minimum elimination requirements in the operator's IWMP but expire after two years.

In this reporting period, CalGEM received and approved IWMPs from 61 oil and gas operators. An additional three IWMPs were submitted but, after reviewing the IWMPs, CalGEM determined that the operator was either not eligible to submit an IWMP, because the operator was not in possession of a LTIW on January 1, 2019, or the operator decided to pay fees before CalGEM approved their IWMP.

Based upon the terms of the approved IWMPs, operators were expected to eliminate a minimum of 572 LTIWs. Operators eliminated 543 LTIWs. The difference in these numbers is a combination of those operators who cancelled their IWMPs and paid fees instead and by the fact that a number of operators used credits that they earned last year.

Eighteen operators eliminated more LTIWs than was required by their approved IWMP, resulting in those operators earning 57 elimination credits, which can be used for IWMP compliance for up to two years. On January 1, 2020, the Supervisor conducted an annual review of each 2019 IWMP which yielded the following results:

- 50 operators were found to be in compliance with the terms of their approved IWMPs.
- 543 LTIWs were eliminated in 2019 as part of approved IWMPs.
- Three operators eliminated all their LTIWs in the State.
- Five operators voluntarily voided their 2019 IWMPs and filed idle well fees instead, totaling $30,150 to remain in compliance with Public Resources Code section 3206.

- Six operators had their IWMPs canceled by CalGEM due to failure to comply with the terms of their approved IWMPs. Two of the operators paid the idle well fees owed, and CalGEM is pursuing enforcement action against the remaining three operators. A fourth operator also failed to pay the required idle well fees, however, the operator is currently in bankruptcy. CalGEM filed a Proof of Claim with the bankruptcy court for the outstanding idle well fees. Two other operators received a Notice of Cancellation from CalGEM and appealed the cancellation, but in each of those cases the issues were resolved. Those two operators are included in the 50 operators found to be in compliance.

3.2 Non-Compliant Idle Well Management Plans

If an operator fails to comply with their approved IWMP, then the IWMP for that operator is revoked and the operator is not eligible to propose a new IWMP for any of its idle wells for the next five years. An operator may appeal to DOC's Director regarding the Supervisor's determination of non-compliance. If the Supervisor's determination that the operator failed to comply with the IWMP is not timely appealed, or if the Director upholds the Supervisor's determination upon appeal, then the operator is required to immediately file the idle well fees due for each year that the operator failed to comply with the IWMP.

Furthermore, failure to file the idle well fee due for any well is conclusive evidence of desertion, permitting the Supervisor to order the well abandoned pursuant to Public Resources Code section 3237.

CalGEM issued Notices of Cancellation to seven operators for failing to comply with the requirements of the IWMPs submitted in 2019. One operator appealed the Notice of Cancellation and provided the required documentation to demonstrate compliance resulting in rescission of the Notice of Cancellation. One operator appealed the Notice of Cancellation and a settlement agreement was reached. Five operators had their IWMPs revoked as they failed to appeal the cancellation of their IWMPs.

3.2.1 Notice of Cancellation – Rescinded

CalGEM rescinded one Notice of Cancellation after the operator provided the necessary documentation to demonstrate compliance. This operator is eligible to propose an IWMP for the 2020 calendar year.

- **Naftex Operating Co., Operator Code N0097**

3.2.2 Notice of Cancellation – Settlement Agreements

CalGEM reached a settlement agreement with one operator that appealed the Notice of Cancellation. The Operator failed to eliminate the LTIW required under their 2019 IWMP but eliminated seven other LTIWs. The terms of the settlement require the Operator to eliminate the LTIW identified in the operator's IWMP.

- **Atlantic Oil Company, Operator Code A4400**

3.2.3 Notice of Cancellation – IWMP Revoked

CalGEM revoked the IWMPs for five operators that failed to appeal the cancellation of their plan. These operators will be prohibited from submitting an IWMP for five years, regardless of whether the operator pays the required fees in future years.

Two operators filed the idle well fees due in response to the Notice of Cancellation.

- **Premier Resource Management, Operator Code 10382**
- **Thompco Inc., Operator Code T2425**

Three operators have failed to pay the required idle well fees. CalGEM is pursuing enforcement action against these operators in 2020 and will provide the results in the 2021 annual report.

- **Thompson Oil Co., Operator Code T2305**
- **Havens Oil Co., Operator Code H2370**
- **Sherman Havens, Operator Code H2375**

A fourth operator also failed to pay the required idle well fees, however, the operatoris currently in bankruptcy. CalGEM filed a Proof of Claim with the bankruptcy court for the outstanding idle well fees.

- **HVI Cat Canyon, Operator Code G3515**

4. CalGEM Enforcement

CalGEM's Idle Well Program and Enforcement Unit work closely together to pursue enforcement actions against operators that fail to comply with idle well statutory and

regulatory requirements. During this reporting period, CalGEM's Idle Well program focused primarily on failure to file idle well fees and comply with IWMPs. Failure to file the annual idle well fee prescribed in Public Resources Code section 3206, subdivision (a) is conclusive evidence of desertion. This permits the Supervisor to order that the well be plugged pursuant to Public Resources Code section 3237.

Idle well fees are assessed annually for the preceding calendar year. During this reporting period, idle well fees were assessed based on the idle well inventory for the 2018 calendar year. In this effort, CalGEM collected $4,199,550 in idle well fees in 2019. Idle well fees are deposited into the Hazardous Idle Deserted Well Abatement Fund (HIDWAF). The balance of the HIDWAF on December 31, 2019 was $10,565,000.

Of the 279 operators to whom CalGEM sent idle well fee invoices, CalGEM identified 176 operators that failed to file idle well fees for 1057 idle wells in 2019. Within the reporting period, CalGEM will be pursuing enforcement action against those operators. There is also a backlog of pending orders for 943 operators to plug a total of 2,500 idle wells.

These enforcement efforts support the orphan well process as described in section 2.1 of this report. Future enforcement efforts will expand the focus to comply with new idle well regulations in addition to statutory requirements.

In the 2019 Idle Well Program Report, CalGEM committed to providing the results of enforcement actions against the six operators who failed to comply with the terms of their IWMP and then failed to pay the idle well fees required.

Two operators paid the required idle well fees.

- **R.J. Bellevue, Inc., Operator Code B3079**
- **Jaco Production Company, Operator Code J0700**

CalGEM issued orders to plug and abandon the operator's idle wells, pay idle well fees, and pay a civil penalty to the following operators:

- **Citadel Exploration Inc., Operator Code C5845**
- **H20-CH4, LLC, Operator Code C1380**
- **Valid Energy Group Inc., Operator Code V0175**
- **Caltico Oil Corp., Operator Code C1380**

APPENDIX A – IDLE WELL LISTS

A-1 2019 Calendar Year Idle Well Inventory

List of all wells that met the definition of idle well at any point in the 2019 reporting period. The list includes the API number and designation of the well, well type, operator, field, district, county, pool, and LTIW status identified for each well.

A-2 Idle Wells That Changed Status from Idle to Long-Term Idle Well

List of all idle wells that met the definition of LTIW for the first time in the 2019 reporting period. The list includes the API number and designation of the well, well type, operator, field, district, county, and pool.

A-3 Idle Wells That Changed Status from Idle to Plugged

List of all idle wells that changed status to plugged in the 2019 reporting period. The list includes the API number and designation of the well, well type, operator, field, district, county, pool, and LTIW status identified for each well.

A-4 Idle Wells That Changed Status from Idle to Active

List of all idle wells that changed status to active in the 2019 reporting period. The list includes the API number and designation of the well, well type, operator, field, district, county, pool, and LTIW status identified for each well.

A-5 Idle Wells Determined to be Deserted or Potentially Deserted

List of all idle wells that have been determined to be potentially deserted because the operator failed to pay idle well fees in 2018, 2019, or both 2018 and 2019 but for which an order to plug and abandon has not been issued and a list of idle wells that have been determined to be deserted because an order to plug and abandon the wells has been issued. The list includes the API number, the operator name, well type, field name, District, county, pool name, year potentially deserted, and order to plug and abandon number, if applicable.

A-6 Idle Wells Declared to be Orphan

List of all idle wells that have been determined to be orphaned. The list includes the API number and designation of the well, last known operator, field, district, county, pool, and order number and date declared orphan for each well.

A-7 Operators with 2019 IWMPs & Current Status

List of all operators with IWMPs submitted in 2019 and the status of each IWMP as of the annual review, including the minimum number of LTIWs required to be eliminated, the actual number of LTIWs eliminated, credits applied, and credits earned for LTIWs eliminated in excess of the minimum requirement.

A-8 Public Resources Code section 3206

Public Resources Code section 3206 (as of January 2020)

(a) The operator of any idle well shall do either of the following:

(1) No later than May 1 of each year, for each idle well that was an idle well at any time in the last calendar year, file with the supervisor an annual fee equal to the sum of the following amounts:

(A) One hundred fifty dollars ($150) for each idle well that has been an idle well for three years or longer, but less than eight years.

(B) Three hundred dollars ($300) for each idle well that has been an idle well for eight years or longer, but less than 15 years.

(C) Seven hundred fifty dollars ($750) for each idle well that has been an idle well for 15 years or longer, but less than 20 years.

(D) One thousand five hundred dollars ($1,500) for each idle well that has been an idle well for 20 years or longer.

(2) File a plan with the supervisor to provide for the management and elimination of all long-term idle wells

(A) For the purposes of the plan required by this paragraph, elimination of an idle well shall be accomplished when the well has been properly abandoned in accordance with Section 3208, or it has been shown to the division's satisfaction that, since the well became an idle well, the well has maintained production of oil or gas or been used for injection for a continuous six-month period.

(B) A plan filed pursuant to this paragraph shall meet all of the following requirements and conditions:

(i) The plan shall specify the time period that it covers. The plan and any renewal of the plan shall cover a time period of no more than five years and shall be subject to approval by the supervisor who may prioritize the

order in which idle wells are addressed.

(ii) The plan shall be reviewed for performance annually by the supervisor, and be subject to amendment by the supervisor, or by the operator with the approval of the supervisor.

(iii) The required rate of long-term idle well elimination shall be based upon the number of idle wells under the control of an operator on January 1 of each year, as specified in clause (iv). If the operator has eliminated more wells than required in the prior two years, the supervisor may deduct from the new requirement the net total of long-term idle wells eliminated in excess of those previously required. In addition, the supervisor may require additional well testing requirements as part of the plan.

(iv) Unless and until the operator has no long-term idle wells, the plan shall require that operators with 250 or fewer idle wells eliminate at least 4 percent of their long-term idle wells each year, and, in no case, less than one long-term idle well; operators with 251 to 1,250, inclusive, idle wells eliminate at least 5 percent of their long-term idle wells each year, and, in no case, less than one long-term idle well; and operators with more than 1,250 idle wells eliminate at least 6 percent of their long-term idle wells each year, and, in no case, less than one long-term idle well.

(v) An operator who fails to comply with the plan, as determined by the supervisor after the annual performance review, is not eligible to use the requirements of this paragraph, for purposes of compliance with this section, for any of its idle wells. That operator may not propose a new idle well plan for the next five years. An operator may appeal to the director pursuant to Article 6 (commencing with Section 3350) regarding the supervisor's rejection of a plan and plan amendments and the supervisor's determination of the operator's failure to comply with a plan. If the supervisor's determination that the operator failed to comply with the plan is not timely appealed, or if the director upholds the supervisor's determination upon appeal, then the operator shall immediately file the fees required under paragraph (1) for each year that the operator failed to comply with the plan.

(b) All fees received under this section shall be deposited in the Hazardous and Idle Deserted Well Abatement Fund, which is hereby created in the State Treasury. Notwithstanding Section 13340 of the Government Code, the moneys in the

Hazardous and Idle-Deserted Well Abatement Fund are hereby continuously appropriated to the department for expenditure without regard to fiscal year, to mitigate a hazardous or potentially hazardous condition, by well plugging and abandonment, decommissioning the production facilities, or both, at a well of an operator subject to the requirements of this section.

(c) Failure to file, for any well, the fee required under this section shall be conclusive evidence of desertion of the well, permitting the supervisor to order the well abandoned pursuant to Section 3237.

(d) Nothing in this section prohibits a local agency from collecting a fee for regulation of wells.

(e) This section shall become operative on January 1, 2018.

(Amended by Stats. 2018, Ch. 742, Sec. 3. (SB 1493) Effective January 1, 2019.)

Public Resources Code section 3206.1 (as of January 2020)

(a) By June 1, 2018, the division shall review, evaluate, and update its regulations pertaining to idle wells. The update shall include idle well testing and management requirements that, at a minimum, include all of the following:

(1) Appropriate testing, as determined by the supervisor, to determine whether the fluid level is above the base of an underground source of drinking water.

(2) Appropriate testing, as determined by the supervisor, to verify the mechanical integrity of the well.

(3) Appropriate remediation, as determined by the supervisor, of idle wells if there is an indication of a lack of mechanical integrity.

(4) For a well that has been an idle well for 15 years or more, an engineering analysis demonstrating to the division's satisfaction that it is viable to return the idle well to operation in the future.

(b) If the operator demonstrates to the division's satisfaction that the well is not within onehalf mile of an underground source of drinking water, testing required under the regulations implementing this section shall not be required until at least two years after the well becomes an idle well. This subdivision shall not be construed to prohibit or limit any other testing required under this chapter.

(c) At the discretion of the supervisor, the regulations implementing this section may provide an option for temporary or partial well abandonment in lieu of compliance

with the requirements of the regulations implementing this section.

(d) If the operator does not remediate an idle well as required by the regulations implementing this section, or the operator does not demonstrate that an idle well is economically viable as required by the regulations implementing this section, then the operator shall plug and abandon the idle well in accordance with Section 3208.

(e) Failure to file to comply with the requirements of the regulations implementing this section shall be conclusive evidence of desertion of the well, permitting the supervisor to order the well abandoned pursuant to Section 3237.

(f) For purposes of this section, an "underground source of drinking water" has the same meaning as in the federal Safe Drinking Water Act (42 U.S.C. Sec. 300f).

(Added by Stats. 2016, Ch. 272, Sec. 11. Effective January 1, 2017.)

Public Resources Code section 3206.2 (as of January 2020)

(a) (1) The division, in consultation with the State Air Resources Board, shall initiate a study to be conducted by independent experts of fugitive emissions from idle, idle-deserted, and abandoned wells in the state. The independent experts selected shall have experience measuring and documenting emissions from multiple idle and abandoned wells and well sites, preferably at multiple locations within the state.

(2) In developing the parameters of the study, the division shall seek input from researchers with expertise in fugitive emissions, oil and gas operators, and people with relevant experience in nongovernmental organizations. The parameters of the study shall (A) be conducted based on a total well sample not to exceed 500 wells, (B) utilize existing information and technology tools that allow data collection without disruption to a well site, (C) limit surface disturbance associated with any emissions sampling, and (D) limit the total cost of the study to a maximum of one million dollars ($1,000,000).

(3) In implementing the study, the division shall seek to minimize costs to operators, and the testing conducted pursuant to this section shall not conflict with a scheduled routine maintenance operation of the well or associated equipment.

(4) The study shall be conducted to measure emissions of air pollutants, including, but not limited to, greenhouse gases, toxic air contaminants, and volatile organic compounds, from idle wells, idle-deserted wells, and abandoned wells that can contribute to climate change or endanger occupational and public health and

safety through their toxicological properties.

(5) The division shall work with the independent experts, oil and gas operators, and nongovernmental organizations to identify a stratified random sample of wells, and set of pollutants to be measured, from which measurement data can be used to extrapolate to the total number of idle, idle-deserted, and abandoned wells in the state. To the maximum extent possible, the sample shall include emissions data already collected from wells in the state.

(6) The sample of wells shall include idle-deserted wells identified by the division, previously abandoned wells, and idle wells that are ordered or permitted to be plugged and abandoned by the division.

(7) For purposes of undertaking the study, for a well that is selected for measurement as part of the sample but which is also scheduled to be plugged, abandoned, or reabandoned, before the initiation of physical work to plug, abandon, or reabandon the well the division or the contracted independent experts, with oversight from the division, shall have testing performed for leaks on the well and associated equipment either (A) in accordance with the United States Environmental Protection Agency Reference Method 21, as set forth in Appendix A-7 to Part 60 of Title 40 of the Code of Federal Regulations, as it read on January 1, 2019, (B) by using an optical gas imaging instrument that is operated by a technician with a certification or training in infrared theory, infrared inspections, and heat transfer principles, or (C) in accordance with an alternative methodology developed for the purposes of this study.

(8) If, pursuant to paragraph (7), a well is found to emit hydrocarbons in observable quantities using an optical imaging device or in concentrations greater than 1 percent by volume using a United States Environmental Protection Agency Reference Method 21 instrument when tested before the initiation of physical work, the division or the contracted independent experts shall ensure additional testing is performed using a direct measurement method consisting of high volume sampling, bagging, or a calibrated flow measuring instrument to determine the flow rate of atmospheric emissions of total and speciated hydrocarbon pollutants before the initiation of physical work.

(b) Oil and gas operators with wells selected for purposes of sampling under this section shall make reasonable efforts to permit access to the wells to the division and the independent experts contracted to undertake the study if adequate notice is provided to the operator to ensure appropriate safety precautions are taken at the

well site. All oil and gas operators with wells selected for sampling shall submit to the division a certification stating that no action was taken to reduce emissions from the sampling site within 72 hours of the sampling taking place so as to reduce the value of measurements taken.

(c) On or before January 1, 2022, the department shall post all results of testing conducted pursuant to subdivision (a) on the department's internet website in a machine-readable format. On or before January 1, 2021, the department shall produce and post to the department's internet website an interim progress report describing the status of the study conducted pursuant to this section, including, but not limited to, the number of wells where testing has been completed, the number of wells remaining to be tested, study costs, and any preliminary testing results, as available and subject to the requirement described in paragraph (2) of subdivision (d).

(d) (1) On or before July 1, 2022, the independent experts contracted to undertake the study shall complete a written document that includes an executive summary of the findings, a description of the results, the findings, and an estimate of hydrocarbon emissions from the state's idle, idle-deserted, and abandoned wells. (2) Before public release pursuant to subdivision (e), the written document shall be provided for peer review and comments, to the operators whose wells were included in the sample, and to a group of independent experts and nongovernmental organizations selected by the division.

(e) On or before January 1, 2023, the division shall make the results of the study, as per the written document required pursuant to subdivision (d), available on its internet website.

(f) This section shall remain in effect only until January 1, 2024, and as of that date is repealed.

(Added by Stats. 2019, Ch. 772. Repealed as of January 1, 2024 by its own provisions.)

Public Resources Code section 3206.3 (as of January 2020)

(a) (1) Notwithstanding Section 10231.5 of the Government Code, on or before July 1, 2019, and annually thereafter until July 1, 2026, the supervisor shall, in compliance with Section 9795 of the Government Code, prepare and transmit to the Legislature a comprehensive report on the status of idle and long-term idle wells for the preceding calendar year. The report shall include all of the following:

(A) A list of all idle and long-term idle wells in the state by American Petroleum Institute identification number and indicating the operator, field, and pool.

(B) A list of all wells whose idle or long-term idle status changed in the preceding year by American Petroleum Institute identification number with the disposition and current status of each well.

(C) A list of orphan wells remaining, the estimated costs of abandoning those orphan wells, and a timeline for future orphan well abandonment with a specific schedule of goals. Idle and long-term idle wells that have become orphan wells shall be identified in the list. For the purposes of this report, an orphan well is a well that has no party responsible for it, leaving the state to plug and abandon it.

(D) A list of all operators with plans filed with the supervisor for the management and elimination of all long-term idle wells and the status of those plans.

(E) Any additional relevant information as determined by the supervisor. (2) The report shall be made publicly available and an electronic version shall be available on the division's internet website. (b) For the report due on or before July 1, 2021, and each report thereafter, the division shall conduct inspections of production facilities attendant to long-term idle wells to ensure compliance with the requirements of this chapter. Information summarizing violations and pertinent findings in these inspections shall be included in the applicable report required to be prepared and transmitted pursuant to subdivision (a). (c) Information on how to access the plans described in subparagraph (D) of paragraph (1) of subdivision (a) shall be on the division's internet website. (d) After July 1, 2026, the division shall continue to regularly provide updated information describing idle and long-term idle wells on the division's internet website.

(Amended by Stats. 2019, Ch. 774.)

Public Resources Code section 3206.4 (as of January 2020)

(a) Any city or county may request from the supervisor a list of all idle wells, as defined in subdivision (d) of Section 3008, within its jurisdiction.

(b) After receiving the list from the supervisor, the city or county may identify idle wells identified pursuant to subdivision (a) within its jurisdiction which it has determined,

based on a competent, professional evaluation, have no reasonable expectation of being reactivated, and formally request the supervisor to make a determination whether the wells should be plugged and abandoned.

(c) Upon receiving the written request of a city or county, as specified in subdivision (b):

(1) The supervisor may, within 60 days of receiving a written request from a city or county, require the operator or operators to file a statement for each well outlining those reasons why the wells should not be plugged and abandoned.

(2) The supervisor shall, within 120 days of receiving a written request, make a determination as to whether any of these wells should be plugged and abandoned, pursuant to the criteria contained in this chapter.

(d) Failure of the operator to file, for any well, the statement required under this section shall be conclusive evidence of desertion of the well, thereby permitting the supervisor to order the well abandoned.

(Amended by Stats. 2017, Ch. 652, Sec. 3. (SB 724) Effective January 1, 2018.)

A-9 Public Resources Code section 3237

Public Resources Code section 3237 (as of January 2020)

(a) (1) The supervisor or district deputy may order the plugging and abandonment of a well or the decommissioning of a production facility that has been deserted whether or not any damage is occurring or threatened by reason of that deserted well or production facility. The supervisor or district deputy shall determine from credible evidence whether a well or production facility is deserted.

(2) For purposes of paragraph (1), "credible evidence" includes, but is not limited to, the operational history of the well or production facility, the response or lack of response of the operator to inquiries and requests from the supervisor or district deputy, the extent of compliance by the operator with the requirements of this chapter, and other actions of the operator with regard to the well or production facility.

(3) A rebuttable presumption of desertion arises in any of the following situations: (A) If a well has not been completed to production or injection and drilling machinery have been removed from the well site for at least six months. (B) If a well's production facilities or injection equipment has been removed from the well site for at least two years. (C) If an operator has failed to comply with an order of the supervisor within the time provided by the order or has failed to challenge the

order on a timely basis. (D) If an operator fails to designate an agent as required by Section 3200. (E) If a person who is to acquire a well or production facility that is subject to a purchase, transfer, assignment, conveyance, exchange, or other disposition fails to comply with Section 3202. (F) If an operator has failed to maintain the access road to a well or production facility site passable to oilfield and emergency vehicles.

(4) The operator may rebut the presumptions of desertion set forth in paragraph (3) by demonstrating with credible evidence compliance with this division and that the well or production facility has the potential for commercial production, including specific and detailed plans for future operations, and by providing a reasonable timetable for putting those plans into effect. The operator may rebut the presumption set forth in subparagraph (F) of paragraph (3) by repairing the access road.

(b) An order to plug and abandon a deserted well or to decommission a production facility may be appealed to the director pursuant to the procedures specified in Article 6 (commencing with Section 3350).

(c) (1) The current operator, as determined by the records of the supervisor, of a deserted well that produced oil, gas, or other hydrocarbons or was used for injection is responsible for the proper plugging and abandonment of the well or the decommissioning of deserted production facilities. If the supervisor determines that the current operator does not have the financial resources to fully cover the cost of plugging and abandoning the well or the decommissioning of deserted production facilities, the immediately preceding operator shall be responsible for the cost of plugging and abandoning the well or the decommissioning of deserted production facilities.

(2) The supervisor may continue to look seriatim to previous operators until an operator is found that the supervisor determines has the financial resources to cover the cost of plugging and abandoning the well or decommissioning deserted production facilities. However, the supervisor may not hold an operator responsible that made a valid transfer of ownership of the well prior to January 1, 1996.

(3) For purposes of this subdivision, "operator" includes a mineral interest owner who shall be held jointly liable for the well and attendant production facilities if the mineral interest owner has or had leased or otherwise conveyed the working interest in the well to another person, if in the lease or other conveyance, the

mineral interest owner retained a right to control the well operations that exceeds the scope of an interest customarily reserved in a lease or other conveyance in the event of a default.

(4) No prior operator is liable for any of the costs of plugging and abandoning a well or decommissioning deserted production facilities by a subsequent operator if those costs are necessitated by the subsequent operator's illegal operation of a well or production facility.

(5) If the supervisor is unable to determine that an operator who acquired ownership of a well after January 1, 1996, has the financial resources to fully cover the costs of plugging and abandonment of the well or decommissioning deserted production facilities, the supervisor may undertake plugging and abandonment of the well or decommissioning deserted production facilities pursuant to Article 4.2 (commencing with Section 3250).

(d) (1) Notwithstanding any other provision of this chapter, the supervisor or district deputy, at his or her sole discretion, may determine that a well that has been idle for 25 years or more and that fails to meet either of the following conditions is conclusive evidence of desertion, and may order the well abandoned:

(A) The operator is operating in compliance with a valid idle well management plan that is on file with the supervisor pursuant to paragraph (2) of subdivision (a) of Section 3206 or is covered by an indemnity bond provided under Section 3204, subdivision (a) of Section 3205, or subdivision (a) of Section 3205.2.

(B) The well meets the relevant testing standards for idle wells required under the regulations implementing this chapter.

(2) The supervisor or district deputy shall provide the operator a 90-day notice of warning once a determination has been reached pursuant to this subdivision that a well has been deserted. An operator may rebut the determination, made pursuant to paragraph (1), of the supervisor or district deputy by demonstrating compliance with subparagraphs (A) and (B) of paragraph (1).

(3) An order to plug and abandon a deserted well under this section due to the supervisor's or district deputy's determination of an operator's noncompliance with either subparagraph (A) or (B) of paragraph (1) may be appealed to the director pursuant to the procedures specified in Article 6 (commencing with Section 3350).

(Amended by Stats. 2017, Ch. 652, Sec. 4. Effective January 1, 2018.)

APPENDIX B – REFERENCES & DATA SOURCES

The following were used as references for this report:

- California Public Resources Code
- Title 14 of the California Code of Regulations
- Notice to Operators 2018-03: WellSTAR Release 2.0 – New and updated forms, e-permitting, and electronic reporting (CalGEM, March 7, 2018).
- Notice to Operators 2018-14: WellSTAR – New and updated forms, and electronic reporting (CalGEM, December 7, 2018).
- Notice to Operators 2019-01: WellSTAR – New and updated forms, and electronic reporting (CalGEM, January 15, 2019).
- Renewal Plan for Oil and Gas Regulation: Changing past practices to usher in a new era of oil and gas regulation (CalGEM, October 2015).
- Orphan Wells in California: An Initial Assessment of the State's Potential Liabilities to Plug and Decommission Orphan Oil and Gas Wells (California Council on Science and Technology, November 2018).

The following were used as data sources for this report:

- IWMP documents submitted by operators.
- WellSTAR: Well Statewide Tracking and Reporting, an electronic database used to maintain, monitor, and track well information.

APPENDIX C – GLOSSARY

TERM	DESCRIPTION
AB 2729	AB 2729 (Williams, Ch. 272, Statutes of 2016) redefined an idle well and a long-term idle well; removed the option for a large operator to secure an escrow account or post a "super blanket bond" to avoid paying idle well fees; allowed an operator to implement an IWMP in lieu of paying idle well fees; and provided a means through which a person who acquires land with one or more wells on it to re-plug and abandon the well(s). It also required the Supervisor, on or before July 1, 2019, and annually thereafter until July 1, 2026, to submit to the Legislature a comprehensive report on the status of idle and LTIWs for the preceding calendar year.
Idle Well	Public Resources Code section 3008, subdivision (d): "Idle well" means any well that for a period of 24 consecutive months has not either produced oil or natural gas, produced water to be used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection. For the purpose of determining whether a well is an idle well, production or injection is subject to verification by the division. An idle well continues to be an idle well until it has been properly abandoned in accordance with Section 3208 or it has been shown to the division's satisfaction that, since the well became an idle well, the well has for a continuous six-month period either maintained production of oil or natural gas, maintained production of water used in production stimulation, or been used for enhanced oil recovery, reservoir pressure management, or injection. An idle well does not include an active observation well.

TERM	DESCRIPTION
Idle Well Fees	Public Resources Code section 3206, subdivision (a)(1): No later than May 1 of each year, for each idle well that was an idle well at any time in the last calendar year, file with the Supervisor an annual fee equal to the sum of the following amounts: (A) One hundred fifty dollars ($150) for each idle well that has been an idle well for three years or longer, but less than eight years. (B) Three hundred dollars ($300) for each idle well that has been an idle well for eight years or longer, but less than 15 years. (C) Seven hundred fifty dollars ($750) for each idle well that has been an idle well for 15 years or longer, but less than 20 years. (D) One thousand five hundred dollars ($1,500) for each idle well that has been an idle well for 20 years or longer.
Idle Well Management Plan (IWMP)	Public Resources Code section 3206, subdivision (a)(2): File a plan with the Supervisor to provide for the management and elimination of all LTIW. (A) For the purposes of the plan required by this paragraph, elimination of an idle well shall be accomplished when the well has been properly abandoned in accordance with Section 3208, or it has been shown to the division's satisfaction that, since the well became an idle well, the well has maintained production of oil or gas or been used for injection for a continuous six-month period.
Long-Term Idle Well (LTIW)	Public Resources Code section 3008, subdivision (e): "Long-term idle well" means any well that has been an idle well for eight or more years.
Measured Depth	The length of the wellbore measured along the path of the well.

TERM	DESCRIPTION
Plug and Abandon	Public Resources Code section 3208, subdivision (a): For the purposes of Sections 3206 and 3207, a well is properly abandoned when it has been shown, to the satisfaction of the Supervisor, that all proper steps have been taken to isolate all oil-bearing or gas-bearing strata encountered in the well, and to protect underground or surface water suitable for irrigation or farm or domestic purposes from the infiltration or addition of any detrimental substance and to prevent subsequent damage to life, health, property, and other resources. For purposes of this subdivision, proper steps include the plugging of the well, decommissioning the attendant production facilities of the well, or both, if determined necessary by the Supervisor.
SB 724	SB 724 (Lara, Ch. 652, Statutes of 2017) temporarily increased funding dedicated to plug and remediate deserted oil and gas wells and oil field facilities from $1 million to $3 million. It required the Division to establish criteria to prioritize deserted wells and facilities for remediation. This bill made several technical and conforming changes to the Public Resources Code related to time lines for permitting and idling of oil wells. This bill clarified existing law to specify that the Division, as a part of an order requiring the plugging and abandonment of a deserted well, may also require the operator to address the adjacent production equipment associated with the well and conduct site remediation if necessary.

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California
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Refugio oil spill cleanup costs near $100 million

BY ALEX KACIK SATURDAY, JUNE 27TH, 2015

Plains All American Pipeline estimates that the cleanup of the oil spill near Refugio Beach has cost $96 million thus far, but the economic and environmental consequences may be more difficult to quantify.

The Assembly Natural Resources Committee and Senate Select Committee on the Refugio Oil Spill held a joint oversight hearing at the county's board hearing room Friday afternoon. Assemblymember Das Williams and State Sen. Hannah-Beth Jackson, both Santa Barbara Democrats, lead the discussion. Assemblymember Mark Stone, D-Monterey Bay, joined them on the dais that was formed to try to figure out why the rupture occurred, how that fateful day unfolded, who's liable and how to prevent a similar failure.

Local lawmakers, environmentalists and community members packed the room to hear from state officials, county planners, marine scientists and a representative from Plains All American, the Houston-based oil firm responsible for the Line 901 oil rupture. Public officials expressed the need for a better-coordinated response and more stringent preventative and regulatory measures.

Line 901 was built in 1987 to carry oil from Gaviota to Las Flores. By the time a Plains' employee remotely shut down the entire pipeline because of pressure anomalies at 11:30 a.m. on May 19, the damage had already been done. That happened to be the only pipeline in Santa Barbara County that doesn't have an automatic shut-off valve. When Williams asked Patrick Hodgins, Plains director of safety and security, why one wasn't installed, Hodgins said that the pipeline only had to adhere to federal regulations, which didn't mandate an automatic shut-off valve.

"It has been industry best practices that we follow not to have an automatic valve that can shut off an active line…because of the potential damage it could do if shut inadvertently," Hodgins said.

Dianne Black, Santa Barbara County planning and development department assistant director, disagreed. She said that an automatic shut-off valve is one of the safest technologies and an industry best practice.

"I don't know the precise cost [to install one] but I can't imagine it would be more than the cost of the spill," Black said.

Even though the line was shut at 11:30 a.m., members of the Santa Barbara County Fire Department were the first ones to report the spill about an hour later — not Plains. Plains didn't confirm the release originated from Line 901 until 1:30 p.m. and didn't notify the National Response Corporation, a federal body that coordinates emergency responses, until 2:56 p.m. When Williams asked Hodgins why it took so long, he said he couldn't comment.

"I don't have that information in front of me," Hodgins said.

If Plains notified Clean Seas earlier, a Caprinteria-based oil extraction firm that Plains contracts with, it could've "significantly reduced the amount of oil spilled," Clean Seas General Manager Ike Ikerd said.

California's Oil Spill Prevention and Response Act requires the operator to report the spill to the California Office of Emergency Services within 15 to 30 minutes after it is discovered, Williams said.

"Plains did not meet that criteria," said Mark Ghilarducci, director of the governor's office of emergency services.

Officials lamented the fact that Plains is classified as an interstate pipeline, which means it has to abide by less stringent regulations than the state's. Plains inspects its pipelines every three years even though the federal government only requires one every five years.

The inspection in 2012 didn't raise enough alarm to trigger action, Hodgins said. Plains had another inspection about two weeks before the spill but didn't receive the results in time. The Pipeline and Hazardous Material Safety Administration found that the section of pipeline in question was corroded as much as 74 percent.

"Obviously the inspection systems and safeguards aren't working," Jackson said.

Tonya Hoover, California fire marshal, said that if Line 901 was under the state's jurisdiction, it would've been classified as "high-risk," been inspected more frequently and had more oversight.

"There needs to be a change of law that the pipeline is designated as intrastate so it is enforceable by our program," she said. "California is the best practice, not federal."

As the law is written, there is some grey area when it comes to an interstate or intrastate designation, said Carl Weimer, Pipeline Safety Trust executive director.

"The industry can pretty much choose whom they are regulated by," he said.

As of now, the tourism industry and commercial fisheries are feeling the oil spill's sting. Refugio State Beach and El Capitan State Beach have been closed for more than a month. Fisheries from Canada de Alegria to Coal Oil Point remain closed, which has many commercial fisheries reeling.

During public comment, a Santa Barbara resident said the oil spill has crippled her sport fishing business. She said that fisherman can't sell local fish because the name Santa Barbara seafood is tainted and the county should perform a public relations campaign.

Eventually, Plains may have to pay up for lost revenues and for such a campaign. The $96 million cleanup tab doesn't include claims, court proceeding, penalties or lost business and tourism revenues.

"If we don't create greater accountability, if we don't have greater transparency and honesty in the process, if we don't remove the oil industry from taking control, controlling the messaging and controlling the information, the public will not be with us, and rightly so," Jackson said.

SoCalGas raises estimated cost of Aliso Canyon natgas leak to $1.07 billion

By Reuters Staff
3 MIN READ

(Reuters) - Southern California Gas Co raised the estimated cost of the massive leak at its Aliso Canyon natural gas storage facility in Los Angeles between October 2015 and February 2016 to $1.071 billion as of March 31.

That is up about 1.5 percent from SoCalGas' $1.055 billion estimate at the end of its fourth quarter, the company said on Tuesday in report on first-quarter results.

SoCalGas, a unit of California energy company Sempra Energy, warned the "estimate may rise significantly" because of pending lawsuits, possible fines and other costs. SoCalGas said the company still faces 394 lawsuits, including 48,500 plaintiffs.

It said costs not covered by insurance or delays in receiving insurance payments "could have a material adverse effect" on SoCalGas and Sempra.

The utility said the estimate included $1.043 billion of costs already recovered or likely to be recovered from insurance. About 53 percent of the total was for temporary relocation of thousands of residents living near the facility.

Aliso, with a capacity of 86 billion cubic feet (bcf), is SoCalGas' biggest storage facility. State regulators estimated 4.62 bcf of gas leaked. One billion cubic feet is enough gas to supply about 5 million U.S. homes for a day.

The facility represents 63 percent of the utility's storage capacity, making it a key part of its ability to deliver fuel to customers, especially when demand for heating and air conditioning is at its highest.

State regulators have limited the amount of gas SoCalGas can inject into Aliso to 34 bcf and said the utility can only withdraw gas from the facility when other options are not available to meet demand.

Many residents and government officials want SoCalGas to shut Aliso. State regulators are evaluating what impact reducing or closing Aliso will have on the reliability of gas and power systems.

SoCalGas said its system will likely be in a "better position" this summer than last year as the result of an increase in capacity after pipeline repairs.

The company said it expects to be able to meet a peak demand of between 3.6 billion to 4.3 billion cubic feet per day (bcfd) with the use of Aliso or just 3.1 to 3.6 bcfd without. Last summer, SoCalGas projected it could meet a peak of 3.4 to 3.6 bcfd.

SoCalGas projects demand will peak at 3.4 bcfd this summer.

Reporting by Scott DiSavino; Editing by Steve Orlofsky

Abandoned Wells

What happens to oil and gas wells when they are no longer productive?

Introduction

In 2017, there were one million active oil and gas wells in the United States.[1] When a well reaches the end of its productive life, or if it fails to find economic quantities of oil or gas, the well operator is required by regulators to remove all equipment and plug the well to prevent leaks.[2] Usually, cement is pumped into the well to fill at least the top and bottom portions of the well and any parts where oil, gas, or water may leak into or out of the well. This generally prevents contamination of groundwater and leaks at the surface. State or federal regulators define specific plugging procedures depending on the local conditions and risks, and may monitor the plugging operation.

However, there are many cases in which wells are not properly plugged before being abandoned, especially if the well operator goes bankrupt, leaving its wells "orphaned".[3] This is more common when oil prices fall rapidly, making many wells uneconomical, as in the 1980s oil glut, the 2008 financial crisis, and the 2014 downturn.

In the late 1980s, the U.S. Environmental Protection Agency estimated that 200,000 of 1.2 million abandoned wells may not have been properly plugged.[4] Since then, tens of thousands of orphaned wells have been plugged by state and federal regulators, as well as some voluntary industry programs. These efforts are ongoing, and many orphaned wells have yet to be properly plugged. The exact number is not known: some 3.7 million wells have been drilled in the U.S. since 1859,[6] and their history is not always well documented. Older wells, especially those drilled before the 1950s, are particularly likely to have been improperly abandoned and poorly documented.

Inoperable pumpjack at an abandoned well in Texas. Image credit: Steve Hillebrand, U.S. Fish and Wildlife Service.[5]

Risks to Groundwater, Air, and the Surface Environment

Orphaned wells are often abandoned without any plugging or cleanup, but even plugged wells may leak, especially those plugged in the past, when plugging procedures were less rigorous and used less durable materials. Unplugged or poorly plugged wells may affect:

- **Groundwater** – old wells may have degraded well casing or cement that can allow oil, gas, or salty water to leak into freshwater aquifers. An assessment of 185 groundwater contamination incidents in Ohio from 1983 to 2007 found 41 incidents caused by leakage from orphaned wells, compared to 113 incidents caused during drilling and production.[7]

- **Methane emissions** – a study of 138 abandoned wells in Wyoming, Colorado, Utah, and Ohio found that over 40% of unplugged wells leaked methane, compared to less than 1% of plugged wells. This study estimated that abandoned wells account for 2-4% of the methane emissions from oil and gas activity.[8]

- **The surface environment** – orphaned sites may still have old equipment, contaminated soil from small spills, and other waste at the surface. In some unplugged or poorly plugged wells, oil, gas, drilling mud, or salty water can rise up the well and spill at the ground surface or, in the case of offshore wells, into open water.[9]

Abandoned Wells and Hydraulic Fracturing

Hydraulic fracturing uses the high-pressure injection of fluids into oil- or gas-bearing rocks to fracture them and allow oil and/or gas to flow out. The increased pressure in the rocks during this process can push oil or salty water up nearby unidentified or improperly plugged abandoned wells. In one of the more extreme cases of this, the U.S. Environmental Protection Agency cited an abandoned well in Tioga county, Pennsylvania, that produced a 30-foot geyser of brine for more than a week as a result of hydraulic fracturing of a nearby well.[10] In addition to these fluids contaminating soil and potentially reaching groundwater, the unexpected pressure release caused by this fluid escape reduces the effectiveness of the hydraulic fracturing operation, so there are both environmental and economic incentives to identify and plug wells near a planned hydraulic fracturing operation.

Abandoned Well Plugging Campaigns

For several decades, states have increased enforcement of plugging and cleanup requirements. States generally require a performance bond or other financial assurance from the operator that a well will be plugged and the well site restored. However, bond amounts may not meet the plugging and cleanup expenses if an operator goes bankrupt.[11] Most states therefore collect fees or a production surcharge from operators specifically for remediation of orphaned wells and associated surface equipment.[12] For example, Pennsylvania adds an orphaned well surcharge to drilling permit application fees,[14] while Texas adds a 5/8-cent Oil Field Cleanup surcharge to the state's 4.6% oil production tax.[15] The Oklahoma Energy Resources Board remediates abandoned well sites using voluntary industry contributions amounting to 0.1% of oil and gas sales.[16]

An abandoned well site in Oklahoma before (top) and after (bottom) being remediated. Image credit: Courtesy of the Oklahoma Energy Resources Board.[13]

Examples of Plugging Programs

- From 1984 to 2008, the Railroad Commission of Texas (RRC, the state's regulatory agency for oil and gas) plugged almost 35,000 orphaned wells, including offshore wells, at a cost of over $163 million.[17] In fiscal year 2017, the RRC plugged 918 orphaned wells at a cost of over $11.6 million.[18] As of December 2017, there were roughly 10,000 known orphaned wells in Texas that required plugging; the RRC aims to plug 1,500 of these in fiscal year 2018.[19]
- From 1989 to 2017, the Pennsylvania Well Plugging Program plugged over 3,000 orphaned wells.[20]
- The voluntary Oklahoma program mentioned above has cleaned up and restored 15,000 orphaned and abandoned well sites in Oklahoma since 1994 at a cost of almost $100 million.[21]
- California has plugged more than 1,350 orphan wells since 1977 at a cost of over $27 million. In 2016, many wells remained to be plugged, including about 900 in the city of Los Angeles. The California Department of Conservation is authorized to spend $1 million per year to remediate orphan wells.[22]
- The U.S. Bureau of Land Management (BLM) reclaimed 295 orphaned well sites in ten states from 1988 to 2009 at a cost of $3.8 million. As of 2010, BLM estimated that there were 144 orphan wells yet to be reclaimed in seven states.[23]

References & More Resources

For a complete listing of references, see the "References" section of the full publication, *Petroleum and the Environment*, or visit the online version at: www.americangeosciences.org/critical-issues/petroleum-environment

An official website of the United States government
Here's how you know

Primary Sources of Methane Emissions

Recommended Technologies to Reduce Methane Emissions

The Natural Gas STAR Program has identified many technologies and practices that can be implemented to reduce methane emissions from oil and gas operations. Learn more about recommended technologies and practices <https://epa.gov/natural-gas-star-program/recommended-technologies-reduce-methane-emissions>.

Methane emissions occur in all sectors of the natural gas industry, from production, through processing and transmission, to distribution. They primarily result from normal operations, routine maintenance, fugitive leaks, and system upsets.

As gas moves through the system, emissions occur through intentional venting and unintentional leaks. Venting can occur through equipment design or operational practices, such as the continuous bleed of gas from pneumatic devices (that control gas flows, levels, temperatures, and pressures in the equipment), or venting from well completions during production. In addition to vented emissions, methane losses can occur from leaks (also referred to as fugitive emissions) in all parts of the infrastructure, from connections between pipes and vessels, to valves and equipment.

Methane emissions can also occur from the oil industry as result of:

- **Field production operations**: Venting of associated gas from oil wells and storage tanks
- **Production-related equipment**: Gas dehydrators, pig traps and pneumatic devices

Natural Gas STAR Home <https://epa.gov/natural-gas-star-program>

Methane Challenge Program <https://epa.gov/natural-gas-star-program/methane-challenge-program>

Natural Gas STAR Program <https://epa.gov/natural-gas-star-program/natural-gas-star-program>

Outreach and Events <https://epa.gov/natural-gas-star-program/outreach-and-events>

Industry Overview

Methane Emission Sources

Methane Emission Estimates <https://epa.gov/natural-gas-star-program/estimates-methane-emissions-segment-united-states>

Reports and Technical Resources <https://epa.gov/natural-gas-star-program/reports-and-technical-resources>

Recommended Technologies <https://epa.gov/natural-gas-star-program/recommended-technologies-reduce-methane-emissions>

Technical Presentations <https://epa.gov/natural-gas-star-program/technical-presentations>

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Videos <https://epa.gov/natural-gas-star-program/videos-about-methane-emissions-oil-and-gas-industry>

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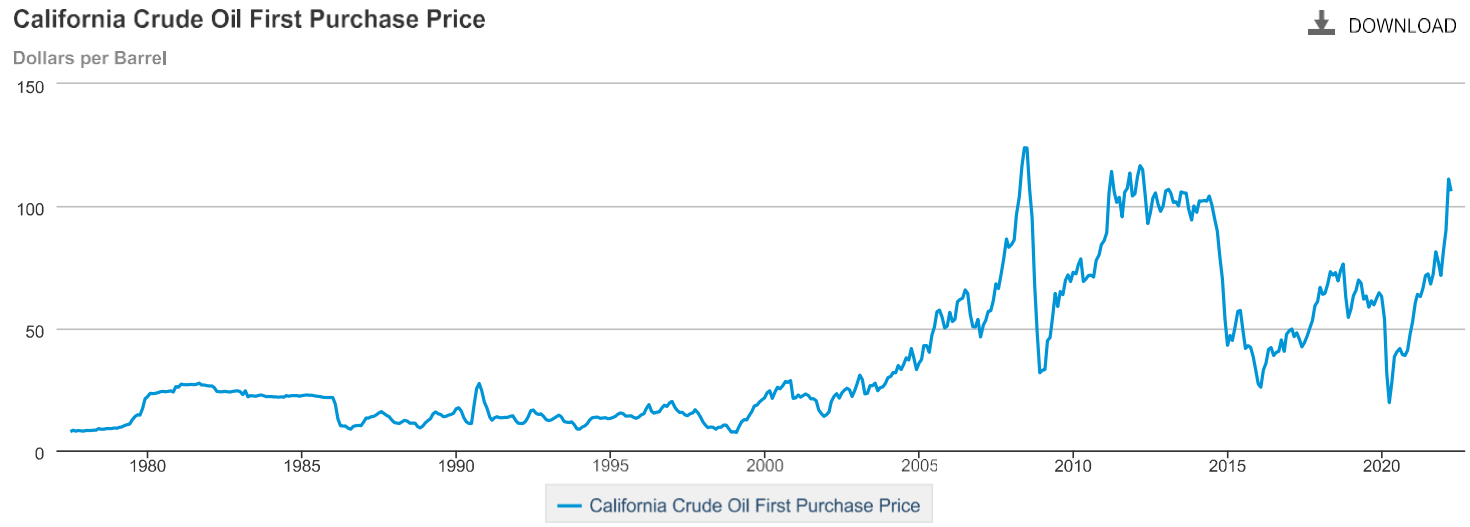
- Domestic Crude Oil First Purchase Prices by Area

View History: Monthly Annual

Download Data (XLS File)



Source: U.S. Energy Information Administration

Chart Tools

no analysis applied

This series is available through the EIA open data API and can be downloaded to Excel or embedded as an interactive chart or map on your website.

California Crude Oil First Purchase Price (Dollars per Barrel)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1977							7.55	8.24	7.85	8.12	7.95	7.89
1978	8.12	8.06	8.10	8.19	8.23	8.92	8.69	8.66	8.91	8.88	8.89	9.18
1979	9.02	9.42	9.54	10.04	10.44	10.77	12.28	13.74	14.51	14.45	17.03	21.06
1980	22.02	23.34	23.24	23.36	23.64	23.99	24.07	23.93	24.10	24.32	23.90	26.10
1981	25.85	27.09	26.84	26.91	26.81	26.94	26.86	26.93	27.46	26.76	26.78	26.53
1982	26.40	26.29	25.70	24.11	24.04	23.95	24.07	24.04	23.87	24.11	24.23	24.36
1983	23.96	22.86	24.31	21.94	22.46	22.22	22.12	22.36	22.72	22.46	21.98	21.98
1984	21.95	21.93	21.94	21.78	21.82	21.71	22.37	22.19	22.36	22.41	22.40	22.19
1985	22.43	22.52	22.61	22.53	22.51	22.30	22.17	22.07	21.73	21.62	21.63	21.68
1986	21.67	18.84	12.89	10.14	9.94	9.90	9.03	8.60	9.83	10.03	10.27	10.12
1987	11.51	13.25	13.23	13.78	13.87	14.53	15.36	15.89	15.08	14.33	13.75	12.40
1988	11.40	11.11	10.94	11.68	12.30	11.98	11.11	11.19	11.08	9.70	9.16	9.93
1989	11.26	12.21	12.94	14.96	15.67	14.98	14.66	13.75	13.86	14.35	14.70	15.18
1990	17.09	17.39	16.09	13.35	11.65	10.98	11.00	18.63	25.24	27.36	24.31	19.78
1991	17.48	13.62	12.34	13.30	13.72	13.32	13.34	13.52	13.52	13.85	14.14	12.48
1992	11.18	11.03	10.97	11.91	13.70	16.19	16.52	15.19	14.70	14.93	13.89	12.52
1993	12.16	12.49	13.15	13.69	14.37	13.56	11.80	11.58	11.40	11.69	10.46	8.79
1994	8.67	9.58	9.99	10.88	12.47	13.30	13.49	13.61	13.14	13.27	13.37	12.95
1995	13.07	13.55	13.91	14.77	15.32	14.93	14.08	14.08	14.15	13.49	13.10	13.61
1996	14.55	14.87	17.11	18.71	15.96	15.23	15.53	15.71	17.31	18.50	17.93	19.36
1997	20.04	17.52	16.39	15.47	15.61	14.54	14.17	14.92	15.28	16.59	15.30	13.66
1998	11.53	10.27	9.25	9.56	9.39	8.64	9.42	9.39	10.41	10.36	8.87	7.46

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	7.64	7.38	9.37	11.72	12.59	12.38	14.25	15.88	18.25	18.49	19.72	20.76
2000	21.55	23.52	24.35	21.18	23.70	25.86	25.21	26.31	28.12	27.79	28.61	21.25
2001	21.45	22.73	21.77	22.41	23.07	22.40	21.07	21.12	20.29	16.47	15.11	13.85
2002	14.49	15.67	19.87	22.11	23.24	21.35	23.42	24.63	25.45	24.82	21.98	24.31
2003	27.40	30.81	28.99	23.03	23.30	26.44	26.44	27.55	24.31	25.68	25.97	27.35
2004	29.71	30.25	31.90	31.75	34.78	32.97	34.84	37.90	36.98	41.68	37.71	33.03
2005	35.66	37.19	42.82	42.84	40.11	47.10	50.41	56.72	57.41	54.54	50.08	50.80
2006	56.51	52.73	53.58	60.76	61.77	62.22	65.71	64.27	55.63	50.54	50.46	53.62
2007	46.42	51.41	53.03	56.85	57.12	61.28	68.15	66.22	71.97	78.05	86.44	83.06
2008	84.26	86.17	96.39	103.78	116.16	123.89	123.72	107.14	95.19	67.48	47.84	31.68
2009	32.78	32.98	44.93	46.10	54.69	64.24	58.79	64.98	63.67	69.58	71.81	69.06
2010	72.84	72.26	75.94	78.35	69.06	70.17	71.59	71.75	70.95	77.68	79.89	84.16
2011	85.89	89.16	105.20	114.11	105.84	101.46	103.58	95.56	105.58	107.25	113.46	104.06
2012	105.00	112.02	116.47	114.91	104.45	92.80	97.09	103.25	105.32	100.82	97.72	99.99
2013	106.23	106.86	105.21	101.41	101.73	99.98	105.72	105.36	105.24	98.54	94.26	100.03
2014	97.41	102.16	101.99	102.27	102.01	104.08	100.58	94.62	89.84	79.17	70.11	53.77
2015	42.93	47.02	44.95	50.81	56.91	57.25	49.17	41.66	42.87	42.20	38.38	32.95
2016	27.15	25.75	32.89	35.69	41.31	42.12	38.76	40.05	40.47	45.21	40.49	47.41
2017	49.00	49.73	46.52	48.10	45.65	42.32	44.04	46.94	50.10	53.08	59.20	60.87
2018	66.66	63.89	64.23	68.19	73.12	71.66	72.78	69.34	73.67	76.27	62.96	54.45
2019	57.72	63.29	65.34	69.74	68.42	61.87	63.17	58.53	61.24	59.55	62.10	64.51
2020	63.03	53.68	31.47	19.50	27.94	38.39	40.37	41.65	39.16	38.77	40.93	47.61
2021	52.85	60.28	63.87	62.95	66.26	71.54	72.21	68.08	72.14	81.21	77.01	71.55
2022	81.62	90.18	111.02	106.07								

- = No Data Reported; -- = Not Applicable; NA = Not Available; W = Withheld to avoid disclosure of individual company data.

Release Date: 7/14/2022
Next Release Date: 8/1/2022

Referring Pages:

- Domestic Crude Oil First Purchase Prices by Area

Oil rises more than 2% as supply outages outweigh recession fears

By Laila Kearney

Sticker reads crude oil on the side of a storage tank in the Permian Basin in Mentone, Loving County, Texas, U.S. November 22, 2019. REUTERS/Angus Mordant/File Photo

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- Summary

- Companies
- For the week, Brent falls 1.3% while WTI rises 0.8%
- Norway oil and gas workers' strike could cut about 8% of output
- Libya announces force majeure over two ports and oilfield
- U.S. manufacturing activity slows more than expected in June
- U.S. oil rig count up by one this week -Baker Hughes

NEW YORK, July 1 (Reuters) - Oil prices gained more than 2% on Friday as supply outages in Libya and expected shutdowns in Norway outweighed expectations that an economic slowdown could dent demand.

Brent crude futures settled at $111.63 a barrel, rising $2.60, or 2.4%. West Texas Intermediate crude (WTI) settled at $108.43 a barrel, gaining $2.67, or 2.5%.

WTI and Brent traded at about 70% and 77%, respectively, of the previous session's volumes ahead of the U.S. Fourth of July holiday.

For the week, Brent lost 1.3%, while WTI rose 0.8%. For June, both benchmarks had ended the month lower for the first time since November.

Prices rose on Friday despite the release of industry data showing U.S manufacturing activity slowed more than expected last month, adding to evidence that the country's economy was cooling as the Federal Reserve tightens monetary policy. read more

Still, low crude and fuel supplies supported the oil market even as equities slumped and the U.S. dollar, which typically has an inverse relationship with crude, rose.

"The ability of the complex to post a strong advance today in the face of significant U.S. dollar strength and a weak equity trade suggests some refocus on tight oil supplies," Jim Ritterbusch, president of Ritterbusch and Associates LLC, said in a note.

A planned strike among Norwegian oil and gas workers on July 5 could cut the country's overall petroleum output by around 8%, or around 320,000 barrels of oil equivalent per day, unless a last-minute agreement is found over wage demands, a Reuters calculation showed. read more

Libya's National Oil Corporation on Thursday declared force majeure at the Es Sider and Ras Lanuf ports, as well as the El Feel oilfield. Force majeure is still in effect at the ports of Brega and Zueitina, NOC said.

Production has seen a sharp decline, with daily exports ranging between 365,000 and 409,000 barrels per day, a decrease of 865,000 bpd compared with production in "normal circumstances", NOC said.

The U.S. oil rig count, an early indicator of future output, rose by one to 595 this week, its highest since March 2020, according to energy services firm Baker Hughes Co (BKR.O).

Even though the U.S. oil rig count has risen for a record 22 months through June, weekly increases have mostly been in single digits as many companies focus more on returning money to investors and paying down debt rather than boosting output.

Meanwhile, Ecuador's government and indigenous groups' leaders on Thursday reached an agreement to end more than two weeks of protests which had led to the shut-in of more than half of the country's pre-crisis 500,000-bpd oil output. read more

On Thursday, the OPEC+ group of producers, including Russia, agreed to stick to its output strategy after two days of meetings. However, the producer club avoided discussing policy from September onwards. read more

Previously, OPEC+ decided to increase output each month by 648,000 barrels per day (bpd) in July and August, up from a previous plan to add 432,000 bpd per month.

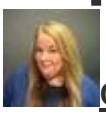
A Reuters survey found that OPEC pumped 28.52 million bpd in June, down 100,000 bpd from May's revised total.

U.S. President Joe Biden will make a three-stop trip to the Middle East in mid-July that includes a visit to Saudi Arabia, pushing energy policy into the spotlight as the United States and other countries face soaring fuel prices that are driving up inflation.

Biden said on Thursday he would not directly press Saudi Arabia to increase oil output to curb soaring prices when he sees the Saudi king and crown prince during a visit this month. read more

Additional reporting by Ahmad Ghaddar, Stephanie Kelly and Yuka Obayashi; Editing by Marguerita Choy and David Evans

Earth just wrapped up its second warmest year. Here's what happened in Ventura County



Cheri Carlson
Ventura County Star

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The Earth just wrapped up its second warmest year on record and its warmest decade.

That's according to independent analyses by NASA and the National Oceanic and Atmospheric Administration, which found 2019 temperatures were second only to those of 2016.

The past five years have been the warmest of the last 140 years, the agencies said last week.

"We have the warmest decades in the historical records. Every decade has gotten warmer since 1960," said climatologist William Patzert, who retired from NASA's Jet Propulsion Laboratory in Pasadena.

"In each decade, the impacts are becoming more and more dire," he said.

Ventura County also had some of its hottest years on record over the past decade.

Five of its warmest years have stacked up since 2014, when the county set a record for its hottest average temperature.

Locally, the 2019 average temperature was the 31st warmest on record. Similarly, last year was the 34th warmest for the contiguous 48 United States, according to NOAA. Weather dynamics often impact regional temperatures, the agency said.

"Of course, there are regional differences, but in the long term and the large scale, everybody on the planet is feeling this," Patzert said.

Locally, average temperatures have climbed for decades – a trend that is expected to continue.

Ventura County hotter, more extreme

The Washington Post published a report this summer about extreme climate change that showed Ventura County's average annual temperature had increased by 2.6 degrees Celsius from 1895 to 2018.

That appeared to be the biggest increase in the analysis of NOAA temperature data. But some experts cautioned against reading too much into the comparison.

Population increase, ocean warming and air pollution all have warmed Southern California coastal areas. But locally, growth may be the biggest factor in rising temperatures, some experts say.

In 1880, about 5,000 people had settled in Ventura County. Today, roughly 860,000 people call it home.

Geography also plays a role.

The layout of the county creates a sort of mixing zone for currents and a funnel for winds, CSU Channel Islands professor Sean Anderson told The Star last year. And, the county has particularly big swings in temperature from one year to the next, he said.

'We're setting records'

This fall, California had a belated start to its rainy season.

In November, the U.S. Drought Monitor deemed most of the state, including Ventura County, as "abnormally dry."

That changed after rain and snow hit in a series of December storms. But then, the state dried up again during the first half of January. That is, until last Thursday when the county got a little rainfall.

“Strange things are happening and a lot of it is because we're living in a warmer world,” Patzert said.

There's been a consensus among scientists that extreme events are becoming more frequent and more intense, he said.

That has been the case with heatwaves, droughts and severe storms.

"In California, there's a growing consensus that our overwhelming, punishing and often deadly fire seasons are connected to our warming climate," Patzert said.

"The unequivocal fact is it's because of human activity,” he said. “These are human records. It's not just a global temperature record. It's us. We're setting records."

Cheri Carlson covers the environment for the Ventura County Star. Reach her at cheri.carlson@vcstar.com or 805-437-0260.