

ROAD DAMAGE COST ALLOCATION STUDY

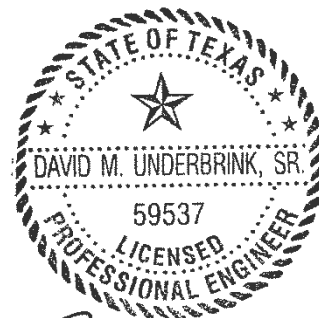


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June 27, 2012



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EXECUTIVE SUMMARY

DeWitt County contracted with Naismith Engineering, Inc. to evaluate the effect of oil field traffic on the DeWitt County road system and to provide a report of findings from the analysis.

Background Information

The Eagle Ford Shale lies beneath about two-thirds of DeWitt County. The County maintains approximately 342 miles of County Roads within this affected area. These roads, consisting of four to six inches of sand and gravel base courses with asphalt surface treatments, were intended for local, light traffic, with occasional minimal maintenance. As constructed, these roads will support approximately 10,000 ESAL applications during the typical 20-year life of the pavement. The anticipated traffic on this type of road would consist of passenger cars, pickup trucks, and about two 18-wheel tanker trucks (80,000 pounds each) per week.

Oil Field Traffic Characteristics

The existing pavements experience the most distress from vehicles during the rig-up and rig-down stages of well development. Based on data obtained from the Motor Carrier Division, moving the drilling rig in and out applies as many as 25 vehicles weighing up to 6 million pounds with 250 ESAL repetitions in two days. Overall, the Well Development phase produces 7,000 vehicle trips with 1,400 ESAL repetitions to the road system over two months and another 592 vehicles for another 1,030 ESAL for the remainder of the initial year traffic. Thereafter, the Production phase adds another 730 vehicle trips and 1,250 ESAL repetitions per year.

Proposed Pavements and Estimated Construction Costs

In order to provide pavements that will meet the needs of the public, including the oil field industry, recommendations for pavement thicknesses, road widths, and additional right-of-way are based on three levels of improvements:

- a) Road Maintenance. Roads that experience very little oil field traffic and are maintained intermittently. There are approximately 45 miles of these roads within the play.
- b) Basic Reconstruction. Roads that experience up to two well developments per year on average and require a heavier and wider pavement with increased right-of-way and relocated drainage, utilities, and fencing.
- c) Major Reconstruction. Roads that experience more than two well developments per year on average, or geographically provide a collector street function, and require four lanes of pavement, a 100 feet wide right-of-way, and relocated drainage, utilities, and fencing.

Anticipated Oil Field Activity

The Eagle Ford Shale has been called the largest oil and gas find in the last half-century. Because of the widespread characteristic of its geography and historical exploration data, companies are able to drill almost risk-free, making it very attractive for development. Eagle Ford also contains more liquids, compared to Barnett, Marcellus, Haynesville, and other national well fields. When considering expected production periods of twenty years, an ultimate well spacing of 65 acres, and relatively less expensive development costs, this oil and gas play should continue to produce, even after activity in other locations lessen. In addition, there are other productive zones in this area such as the Austin Chalk, Edwards Limestone, Olmos, and

Wilcox formations that may be targeted in the future. Based on 65 acres per well, DeWitt County could see 3,250 wells drilled over the life of the Eagle Ford.

Summary

The anticipated oil field activities traffic demand, including the public usage, will require the construction of heavier roads. Based on 45 miles of anticipated Road Maintenance at \$80,000 per mile per year, 187 miles of anticipated Basic Reconstruction at \$920,000 per mile of road, and 99 miles of anticipated Major Reconstruction at \$1,900,000.00 per mile of road, and with an estimated 3,250 wells that will be accessed by County roads, the cost to provide a County Road system to serve the public, including the oil field industry, is approximately \$432,140,000.00, or almost \$133,000 per well.

INTRODUCTION

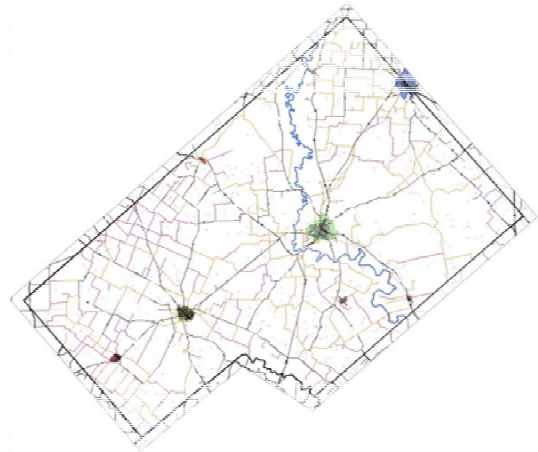
Advancements in technology driven by favorable pricing have brought oil and gas exploration to the Eagle Ford Shale. This play has become a major exploration and production area. DeWitt County in South Central Texas sits atop the Edwards Reef Trend within the Eagle Ford Shale Play. For years, natural gas has been the target within the county and now, with the development of Eagle Ford Shale, natural gas and oil is being targeted (Eagle Ford Shale, 2012). Within DeWitt County, oil can be found along the northwestern portion of the County, wet gas along the central portion of the County, and dry gas along the southeastern portion of the County (U.S. Energy Information Administration, 2010). The availability of the most desirable products, condensate and wet gas, have caused an explosion in oilfield activity in DeWitt County. The County is being reported as being located within the most prolific area of the Eagle Ford Shale, where the wells are producing greater amounts of condensate and wet gas (Eagle Ford Shale, 2012). With oil, wet gas, and dry gas being available in the County, DeWitt will likely see activity continue for many years.

The local economy thrives on this increased activity, with more jobs, increased sales and sales tax revenues, and increasing property values and property tax revenues. The corresponding challenge for local public officials is the increased demands on the local infrastructure, with the County being responsible for the County road system and other county maintained infrastructure.

DEWITT COUNTY DATA

Overview

The county is 908.98 square miles (United States Census Bureau, 2012) in size or approximately 581,747 acres with approximately 685 miles of County maintained roads. These roads are fairly narrow, between ten-feet (10') and fourteen-feet (14') in width, and the rights-of-way are also narrow, leaving little room for drainage features such as roadside ditches and culvert pipes. The roads follow common property lines, and were given to the public by easements as a part of the original survey plats recorded with DeWitt County. The roads generally follow the straight property lines and can sometimes contain sharp turns at intersecting property lines. The intended traffic for these low volume roads would primarily be passenger vehicles with a larger truck about twice a week.



Base Map

A base map of the DeWitt County road system was developed to show the location of the County maintained roads, as well as the State maintained roads, the location of Cities and Townships, and the location of creeks and rivers within the County. The information for the base map was obtained from the Texas Natural Resources Information Systems (TNRIS)

website by obtaining the Texas Department of Transportation (TxDOT) Urban File 2003 – DWG (Texas Natural Resources Information System, 2012). This information was then verified and modifications were made to reflect the information that the DeWitt County Commissioners provided for the locations, names, and surface types of County maintained roads.

Typical Existing Pavement

The County road system consists of pavements that usually contain four inches (4”) to six inches (6”) of base material over soils with fair strength, surfaced with an asphalt seal coat. This pavement produces a design structural number for the pavement of less than one (1). These roads were intended to carry local, light traffic. With regular maintenance, this type of a pavement section provides about 10,000 18-kip Equivalent Single Axle Load repetitions over the 20-year life of the pavement. During this study this type of County road will be referred to as “CR-A”.

Maintenance Expenditures

Annual maintenance of the County road system is the responsibility of the County. In 2011 the county spent \$3.7 million on transportation and the 2012 budget allocates approximately \$4.0 million (County of DeWitt Texas, 2011).

OIL AND GAS WELL FIELD CHARACTERISTICS

The Railroad Commission of Texas regulates the oil industry in the State of Texas. The Oil and Gas Division regulates the exploration, production, and transportation of oil and natural gas in Texas (The Railroad Commission of Texas, 2007).

Eagle Ford Shale within County

The Eagle Ford Shale lies beneath the northwestern half of DeWitt County. The play is active from the Karnes County and Gonzales County lines to the approximate location of State Highway 72 and US Highway 77 through Nordheim, Yorktown, Cuero and Yoakum. This area encompasses approximately 270,000 acres, with approximately 211,400 acres that are accessed by 342 miles of County roads.

Well Density within County

The initially anticipated well density within the Eagle Ford Shale was predicted to be at 130 acres, however oil companies have found favorable production rates with well spacing at 65 to 90 acres (EOG Resources, 2012) (2012 Drilling Info Inc., 2012). Since well density is trending toward a decreased well spacing, 65 acres per well will be used for this study. Based on this spacing, the Eagle Ford Shale area can support approximately 4,149 wells in the County.

Drilling Rates

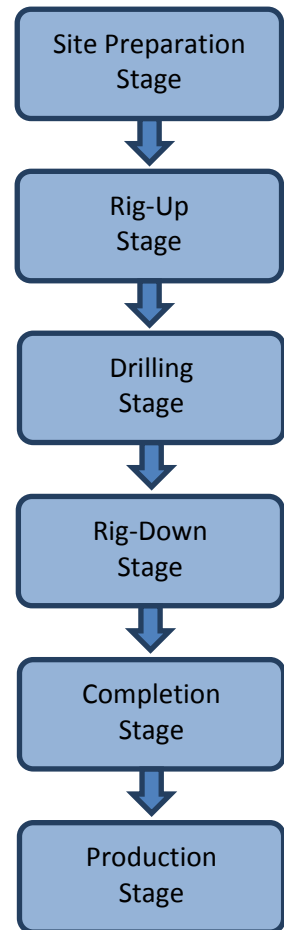
As of June 2012, there were approximately twenty (20) active drilling rigs within the County, and about 280 rigs throughout the Eagle Ford Shale play (Shale, 2012). Assuming slight growth in drilling capacity and favorable markets, the anticipated well spacing of 65 acres could be realized in approximately 15 years. In the meanwhile, other factors such as technological

advancements likely could allow for more efficient product extraction and extend this time period.

Well Site Activity

A typical well exhibits four (4) phases of activity through its life as outlined below:

- **Development Phase.** For this study, the well development phase will include traffic associated with activities in the first year of the well start up. This phase consists of the following stages:
 - **Site Preparation Stage:** During this stage materials are transported to the site and placed to form the pad site, access way, and any berms to hold fluids or contain tanks. The equipment consists of loaders, haulers, dumps, and similar equipment for building a road. The process usually requires 2 to 4 days to complete, and could extend longer, depending on actual site requirements.
 - **Rig-Up Stage:** During this stage the drilling rig and support facilities are moved onto the site and assembled. This process involves multiple large, heavy loads and can include large cranes that lift the components into place.
 - **Drilling Stage:** During this stage drilling components such as pipe and drilling fluids are delivered to the site, maintenance vehicles and passenger vehicles will visit the site on a regular basis.
 - **Rig-Down Stage:** During this stage the drilling rig and support facilities are disassembled and moved off the site in the same manner as the parts were brought in.
 - **Completion Stage:** During this stage coiled tubing is delivered, hydraulic fracturing is performed, and the well is completed so that production can commence.
 - **Production Stage:** For the remainder of the first year, product is removed from the site by tanker trucks, based on the well's productivity, or by pipeline if available. The generated traffic is dependent upon the actual well production. For this study it will be assumed that product will be removed by tankers.
- **Annual Production Phase.** The well annual production phase includes traffic associated with the years subsequent to the Well Development Phase. The product continues to be removed from the site by tanker trucks, based on the well's productivity.
- **Work Over Phase.** Historically, well production may decrease over time and will need to be reworked to increase production to initial amounts. During this phase the well is reworked and/or re-fractured to release flows of additional product. Initial findings within the Eagle Ford Shale show that re-fracturing may not be required during the life of the well (Chesapeake Energy Corporation, 2012). Therefore, for the purposes of this study, there will be no consideration for activities associated with re-working the well.



- **Plugging Phase.** Once a well becomes feasibly unproductive the well must be plugged in accordance with the current regulations. For the purposes of this study, there will be no consideration for activities associated with plugging the well.

Traffic Variances in Wells. Many factors influence the amount and characteristics of the traffic associated with a well development, such as drilling depth, horizontal drilling length, formation characteristics, decline in monthly production, and availability of water. The usual traffic associated with typical well drilling activities has been used to predict total traffic volumes, vehicle types, and wheel loadings. As these factors change with different geographical locations, the traffic would change as well. Other counties may experience slight differences in traffic demand.

Historical Activity

Although there are more wells producing gas than those producing oil, the current favorable oil markets encourages oilfield companies to seek oil. Drilling activity has seen a steady increase since 2005 in DeWitt County, with about 10% per year growth. The limit on this growth appears to be the result of a lack of oil producing acreage, and the most recent 6-months has shown a steady count of drill rigs for the entire Eagle Ford Shale play.

ANALYSIS

This study involved evaluating the effects of the traffic generated by the oil field on the DeWitt County road system. To be able to perform the evaluation an analysis of several features of the oil field had to be considered.

Traffic Assignments to a County Road

The base map for the County was utilized for determining the probable road that would be accessed by any one well development. The area between any two roads was subdivided based on equal distances. Property ownership lines, minor waterways, and other land features that might be barriers to traffic routing were disregarded in determining the contributing areas. The base map with contributing areas can be seen in **Appendix A – DeWitt County Road Location and Contribution Area**. The characteristics of each County Road, such as length and surfacing, and the contributing area that could be developed by the oilfield industry are shown in **Appendix B – DeWitt County Road Information**. The same information contained in Appendix B is narrowed to only those roads within the Eagle Ford Shale play and shown in **Appendix C – Western DeWitt County Road Information for the Eagle Ford Shale Play**. Well density was used to determine traffic volumes based on contributing areas, and traffic assignments were based on traffic volumes and accumulated traffic from adjacent roads.

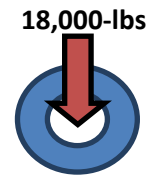


Well Information

Well Quantity Within County. Evidence supporting a well spacing of 65 acres was utilized to calculate the total number of wells at full development. Referencing the base map, within the Eagle Ford Shale area of the County, it was determined that County roads will serve an anticipated 3,250 wells. The well quantities distributed to each County road, based on contributing areas, is shown by **Appendix D – Well Development Assignment by Roadway for the Eagle Ford Shale Play**. The roads are sorted based on highest well quantity.

Equivalent Single Axle Load (ESAL)

Engineering practice for flexible pavement design relates the relative impact of vehicles on the roadway by converting each axle load repetition to a standard axle load. Factors equating any axle load repetition as a ratio to a standard 18-kip Equivalent Single Axle Load (ESAL) was developed through road testing completed in the 1950's and 1960's by AASHO, and contained in the most recent publication shown by Appendix D of the AASHTO Guide for Design of Pavement Structure (American Association of State Highway and Transportation Officials, 1993).



Determination of Load Factors. Subsequent to AASHTO's work, further research (Drakos, 2005) found that heavier, multi-axles vehicles were better quantified using the Equivalent Axle Load Factor (EALF) equation for tri-axle, quad-axle, and quint-axle combinations. In addition, this equation gave results for single and tandem axle loads that were similar to the AASHTO equation.

$$EALF = \left[\left(\frac{L_{18} + L_{A18}}{L_X + L_{AX}} \right)^{4.79} \left(\frac{10^{\frac{G}{B_X}}}{10^{\frac{G}{B_{18}}}} \right) (L_{AX})^{4.33} \right]^{-1}$$

L_{18} = Standard axle load (18 kips)

L_{A18} = Standard axle quantity (1)

L_X = Total axle load

L_{AX} = Quantity of axles for load

p_t = Terminal serviceability (2)

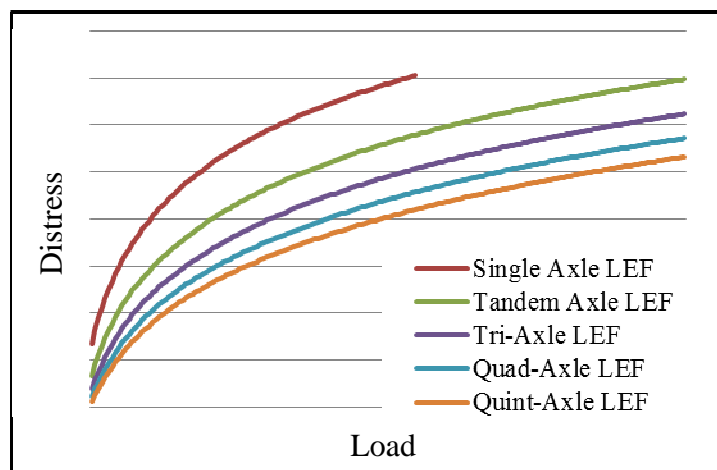
SN = Structural Number (1)

$$B_{18} = .4 + \left[\frac{0.081(L_{18} + L_{A18})^{3.23}}{((SN+1)^{5.19})(L_{A18})^{3.23}} \right]$$

$$B_X = .4 + \left[\frac{0.081(L_X + L_{AX})^{3.23}}{((SN+1)^{5.19})(L_{AX})^{3.23}} \right]$$

$$G = \log \left[\frac{(4.2 - p_t)}{(4.2 - 1.5)} \right]$$

For the purpose of estimating the distress on County road pavements, the values in the equation for Structural Number ($SN=1$) and the Terminal Serviceability Index ($p_t=2.0$) will be used for each County road. Both of these numbers are likely conservative, considering varying construction materials quality, construction practices, and maintenance practices. The tabulated results of various



combinations of axles and axle loads are shown in **Appendix E – Equivalent Axle Load Factors (EALF) for Flexible Pavement** gives tabulated EALF values for the different axle combinations and weights.

Traffic

Intended Traffic. Current County roads are designed for a relatively low volume, light weight vehicles that consist of mainly passenger vehicles. Over the life of a typical county road one can consider about 500 EALF’s per year for a total of 10,000 EALF’s at which point the road will require rebuilding.

Well Traffic. Information regarding the traffic was compiled from research projects performed by the Texas Transportation Institute (TTI) (Mason, et al., 1982) and permit data from the Texas Department of Motor Vehicles (TxDMV) (see **Supplemental Appendix 3**). Documentation of the direct measurement of vehicular tire loads and axle weights was not found. Available oil field traffic counts assume axle weights within legal limits, and do not address the effects of triple-axle, quadruple-axle, quintuple-axle, or more, loading combinations found in very heavy vehicles used to develop oil wells. The information from the TxDMV showed that during the rig-up phase and rig-down phase, multiple vehicles carrying a total weight of up to 6 million pounds produced 250 EALF’s in two days. Also, coiled-tubing trucks used for hydraulic fracturing exhibited similar weights, but utilized permits that did not capture specific location data.

Vehicle Classification. The vehicles within this study are classified according to axle combinations. This study found that passenger vehicles contribute insignificantly to the EALF totals, and were not considered. **Table 1 – Vehicle Classification** indicates the vehicle code that will be used:

Table 1 Vehicle Classification			
Code	Vehicle Type	Code	Vehicle Type
SU-1	2 Axle	3-3	3 Axle Tractor, 3 Axle trailer
SU-2	3 Axle	3-4	3 Axle Tractor, 4 Axle trailer
2-S1	2 Axle Tractor, 1 Axle	3-5	3 Axle Tractor, 5 Axle trailer
3-S2	2 Axle Tractor, 2 Axle	4-3	4 Axle Tractor, 3 Axle trailer
2-1	2 Axle Tractor, 1 Axle trailer	4-4	4 Axle Tractor, 4 Axle trailer
2-2	2 Axle Tractor, 2 Axle trailer	4-5	4 Axle Tractor, 5 Axle trailer
3-2	3 Axle Tractor, 2 Axle trailer	3-2-5	3 Axle Tractor, 2 Axle, 5 Axle trailer

Well Traffic by Phase. Traffic for a well was segregated into the different phases of a well, with **Table 2 – Traffic Demand** listing a general accounting of the total traffic per well phase and the corresponding total EALF’s for that phase. A detailed list is tabulated in **Appendix F – Equivalent Single Axle Loads per Well Phase**. It can be seen that this information includes estimates for overweight vehicles common to the rig-up, rig-down, and completion stages of the Well Development Phase (see **Supplemental Appendix 1 – Rig-Up and Rig-Down Information from the Texas Department of Motor Vehicles Data**). For tabulating the contribution of these overweight vehicles, the TxDMV data was averaged to yield a typical count for a well (see

Supplemental Appendix 2 – Typical Rig Vehicle Combination). Previous research (Mason, et al., 1982) for a similar geographic area shows that approximately 2,968 vehicles during Well Development about 2 vehicles per day for the period thereafter.

Table 2 Traffic Demand		
Phase	Total Vehicles	Total EALF
Development	10,464	2,430
Annual Production	730	1,250
20-Year Total	24,334	26,680

Total EALF’s per Well

Single Well. The total EALF’s associated with one well for the first year is estimated at 2,430, with an annual EALF of 1,250. Considering a study period of 20-years, the total EALF that a well produces is 26,680. Comparatively, one well can produce three times the traffic loading that a typical County Road is expected to provide over a twenty year period. However, the sheer weight of some of the legally permitted steering axle wheel loads would break down the County road pavements, including base and subgrade on the first pass.

Traffic Projection. The accumulated traffic assigned to a typical County road was based on the intended traffic plus one well development per year over a twenty-year period. The resulting tabulation is shown in **Appendix G – 20-Year Projection of EALF Demand.**

Traffic Assignments

Traffic assignments made to a road were based on an even distribution in each direction along the roadway. Once well traffic encountered an adjacent roadway, that traffic is considered to be commuter traffic on the adjacent road. The adjacent roadway traffic would then include the commuter traffic and its own well traffic. This process was used (1) to accumulate all well traffic and all commuter traffic for all roads in the study area, and (2) so that collector thoroughfares could be identified. In instances where traffic could most directly reach a highway, preference was given to traffic assignments that would optimize travel by highway.

Pavement Analysis

The total distress induced by traffic assigned to any one roadway is derived from accumulating the traffic associated with the number of projected wells during the study period based on contributing area and well spacing and from distributing the well traffic on to adjacent roads based on optimizing highway travel. The total number of 18k-EALF repetitions found for each road is used to classify the roadway pavement section for estimating construction costs.

The soil types in DeWitt County can be found using the Soil Conservation Service soil maps. The Soil Support value can be found using the TxDOT Tri-axial Classification of Surface Soils 1973 report to obtain the soil classification for the soil from the SCS soil maps, then converting the soil classification into a Soil Support value using NCHRP 128. The Structural Number required for the proposed pavement can be found by using the Soil Support value, the anticipated number of 18k-EALF repetitions, and adjusting for a regional factor. The determined Structural Number is used to design the flexible pavement layers, usually consisting of a hot-mix asphaltic concrete surface and a limestone base over natural soils.

Proposed Roads and Estimated Construction Budget

Each County road can be grouped into one of three recommended classifications based on anticipated traffic. Each of these classifications provides varying levels of infrastructure to match anticipated demand. The characteristics considered are Right-of-way width, total number of Driving Lanes, total Pavement Width, and pavement Surface Type. The comparative list of the roadway characteristics for each of these classifications are listed in Table 3 –

<i>Road Classification</i>	<i>ROW</i>	<i>Drive Lanes</i>	<i>Pavement Width</i>	<i>Surface Type</i>
<i>CR-A</i>	<i>40'</i>	<i>1</i>	<i>14'</i>	<i>Seal Coat</i>
<i>CR-B</i>	<i>60'</i>	<i>2</i>	<i>30'</i>	<i>HMAC</i>
<i>CR-C</i>	<i>100'</i>	<i>4</i>	<i>56'</i>	<i>HMAC</i>

HMAC – Hot mixed asphaltic concrete

Proposed County Road Classification and Features. The recommended roadway classification for every County road in the Eagle Ford Shale area of DeWitt County is shown in Appendix H – Proposed Road Classification for the Eagle Ford Shale Play. Actual roadway design will depend on the circumstances in each specific road area.

Proposed Roads and Estimated Construction Budget

In order to provide pavements that will meet the needs of the public, including the oil field industry, recommendations for pavement thicknesses, road widths, and additional right-of-way are based on three levels of improvements and an estimated approach and budget for maintaining that pavement. The resulting pavement designs, along with road width, right-of-way acquisition, utility and drainage relocation, engineering and financing costs, and other project costs, are incorporated into total project costs for each type of roadway project.

- a) **Road Maintenance.** Roads (CR-A) that experience very little public and oil field traffic and are maintained intermittently, with an anticipated budget at \$80,000 per mile. There are approximately 45 miles of these roads within the play.
- b) **Basic Reconstruction.** Roads (CR-B) that experience up to two well developments per year on average, and will require a 16½” thick pavement section that is 30-foot wide, accommodating two lanes of traffic, a 60-foot wide right-of-way, and relocation of drainage, utilities, and fencing; with an anticipated budget at \$920,000 per mile. There are approximately 187 miles of the roads within the play.
- c) **Major Reconstruction.** Roads (CR-C) that experience more than two well developments per year on average, or geographically provide a collector street function, and require a 20½” thick pavement section that is 56-foot wide to accommodate four lanes of traffic, a 100-foot wide right-of-way, and relocation of drainage, utilities, and fencing; with an anticipated budget at \$1,900,000 per mile. There are approximately 99 miles of the roads within the play.

Road Type	Description	Total Budget
CR-A	Maintenance	\$72,000,000.00
CR-B	Basic Reconstruction	\$172,040,000.00
CR-C	Major Reconstruction	\$188,100,000.00
	<i>Total Budget</i>	<i>\$432,140,000.00</i>

ROAD DAMAGE COST ALLOCATION STUDY SUMMARY

To meet the needs of the public, including the oil field industry, DeWitt County will be required to maintain and reconstruct County roads. Based on 45 miles of anticipated Road Maintenance at \$80,000 per mile per year, 187 miles of anticipated Basic Reconstruction at \$920,000 per mile of road, and 99 miles of anticipated Major Reconstruction at \$1,900,000.00 per mile of road, and with an estimated 3,250 wells that will be accessed by County roads, the cost to provide a County Road system to serve the public, including the oil field industry, is approximately \$432,140,000.00, or almost \$133,000 per well.

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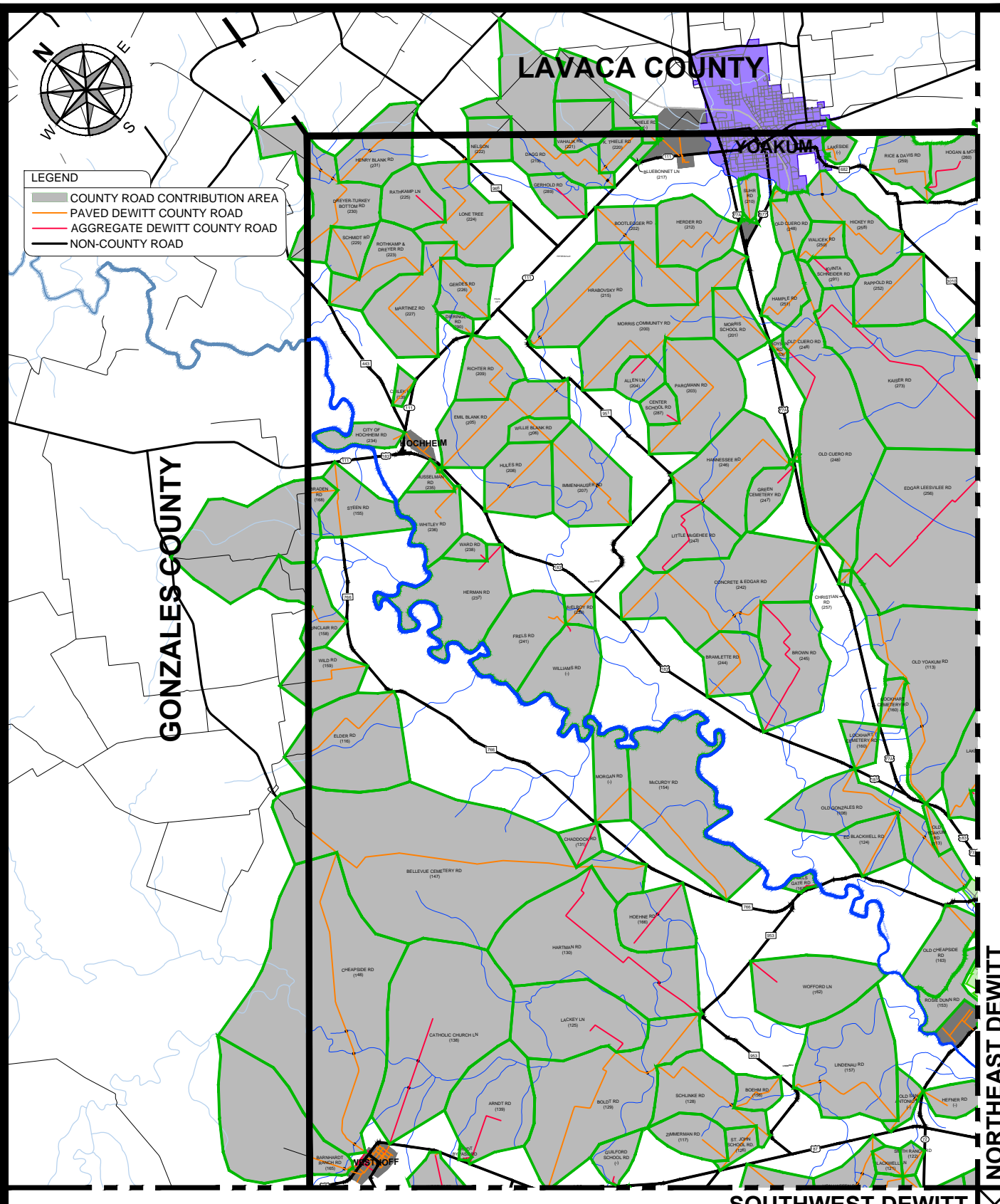
APPENDIX A





LEGEND

- COUNTY ROAD CONTRIBUTION AREA
- PAVED DEWITT COUNTY ROAD
- AGGREGATE DEWITT COUNTY ROAD
- NON-COUNTY ROAD



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APPENDIX A-1
DEWITT COUNTY ROAD LOCATION AND CONTRIBUTION AREA
NORTHWEST DEWITT COUNTY

DRAWN BY: TBT	CHECKED BY: TBT	APPROVED BY: DMU	SCALE: 1"=13,500'	DATE: 6/2012	PROJECT NUMBER: 8783	REVISION: -
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FOR ILLUSTRATIVE PURPOSES ONLY

DEWITT COUNTY, TEXAS

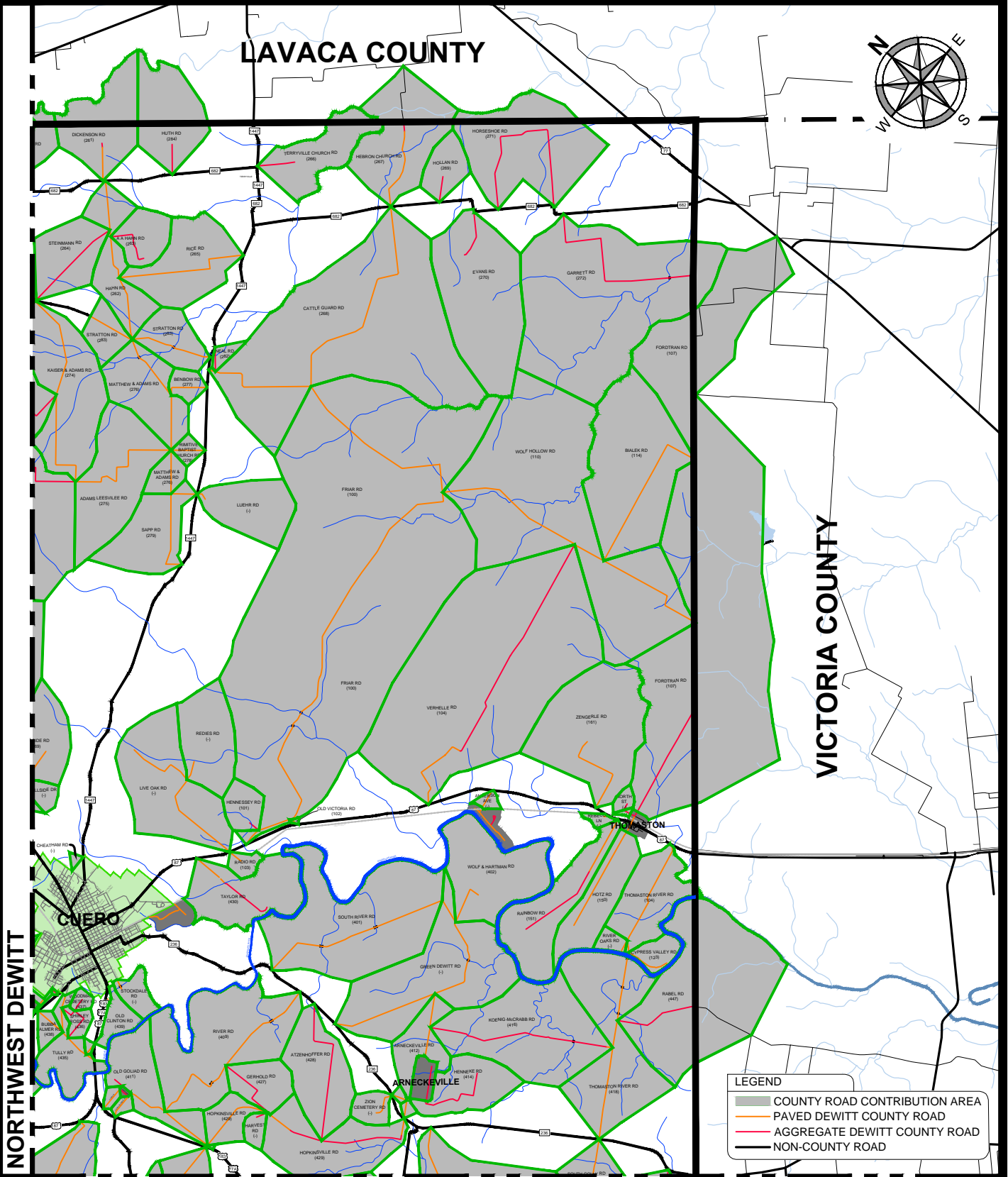
FIGURE A-1
SHEET 1 OF 4

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LAVACA COUNTY



VICTORIA COUNTY



LEGEND

- COUNTY ROAD CONTRIBUTION AREA
- PAVED DEWITT COUNTY ROAD
- AGGREGATE DEWITT COUNTY ROAD
- NON-COUNTY ROAD

NORTHWEST DEWITT

SOUTHEAST DEWITT

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APPENDIX A-2 DEWITT COUNTY ROAD LOCATION AND CONTRIBUTION AREA NORTHEAST DEWITT COUNTY

DRAWN BY: TBT	CHECKED BY: TBT	APPROVED BY: DMU	SCALE: 1"=13,500'	DATE: 6/2012	PROJECT NUMBER: 8783	REVISION: -
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DEWITT COUNTY, TEXAS

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GONZALES COUNTY

KARNES COUNTY

KARNES COUNTY

YORKTOWN

LEGEND

- COUNTY ROAD CONTRIBUTION AREA
- PAVED DEWITT COUNTY ROAD
- AGGREGATE DEWITT COUNTY ROAD
- NON-COUNTY ROAD

APPENDIX A-3
DEWITT COUNTY ROAD LOCATION AND
CONTRIBUTION AREA
SOUTHWEST DEWITT COUNTY

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DRAWN BY: TBT	CHECKED BY: TBT	APPROVED BY: DMU	SCALE: 1"=13,500'	DATE: 6/2012	PROJECT NUMBER: 8783	REVISION: -
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DEWITT COUNTY, TEXAS

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NORTHEAST DEWITT

SOUTHWEST DEWITT

VICTORIA COUNTY



GOLIAD COUNTY

KARNES COUNTY

LEGEND

- COUNTY ROAD CONTRIBUTION AREA
- PAVED DEWITT COUNTY ROAD
- AGGREGATE DEWITT COUNTY ROAD
- NON-COUNTY ROAD

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APPENDIX A-4
DEWITT COUNTY ROAD LOCATION AND CONTRIBUTION AREA
SOUTHEAST DEWITT COUNTY

DEWITT COUNTY, TEXAS

FIGURE A-4	SHEET 4 of 4
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APPENDIX B



APPENDIX B
DeWitt County Road Information

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
6th Street	314	0.674		2	X			
7th Street	-	0.130		2	X			
8th Street	315	0.681		2	X			
8th Street	3462	0.248		2	X			
A A Hahn Road	263		0.577	2		X	24,155,121	554.53
A Metting Road	3006		2.073	2		X	26,143,190	600.17
Adams Leesville Road	275	2.433		2		X	81,452,317	1,869.89
Alfred Blaschke Road	374		4.935	2		X	89,223,238	2,048.28
Allen Lane	204		0.450	2		X	15,956,537	366.31
Anderson Avenue	-	0.338		2		X	3,169,425	72.76
Anderson Road	169	0.506		2		X	3,169,425	72.76
Arndt Bypass Road	-		0.236	2		X	1,185,754	27.22
Arndt Road	139		1.244	2		X	72,926,455	1,674.16
Arneckeville Center Road	413	0.303		2		X	1,458,664	33.49
Arneckeville Road	412	2.646		2		X	30,107,062	691.16
Atzenhoffer Road	428		2.887	2		X	58,121,205	1,334.28
Auction Ring Road	171	0.037	0.113	2		X	256,223	5.88
Avenue B	-		0.069	2	X			
Baker Road	3001		0.576	2		X	34,663,348	795.76
Barnhart Ranch Road	165	0.935	0.027	2		X	107,517,118	2,468.25
Bell Road	468	1.210		2		X	20,452,735	469.53
Bellevue Cemetery Road	147	6.702		2		X	329,238,785	7,558.28
Ben Meischen Road	338		0.747	2		X	14,790,457	339.54
Benbow Road	277	0.806		2		X	9,086,278	208.59
Berkenhoff Road	340		0.780	2		X	30,704,793	704.89
Bernhart Weise Road	384		1.243	2		X	23,376,763	536.66
Bialek Road	114		3.077	2		X	131,541,519	3,019.78
Biemer Road	463		3.141	2		X	110,643,411	2,540.02
Bill Lemke Road	334		1.180	2		X	38,022,719	872.88
Blackwell Lane	121	1.223		2		X	10,578,727	242.85
Blake Road	307		0.380	2		X	6,421,937	147.43
Bluebonnet Lane	217	1.101		2		X	2,581,249	59.26
Boehm Road	156	1.143		2		X	13,932,316	319.84
Boldt Road	129	5.341		2		X	143,926,890	3,304.11
Bootlegger Road	202	2.641		2		X	50,672,667	1,163.28
Boysen Road	253	0.450		2		X	2,752,836	63.20
Braden Road	168		0.563	2		X	112,471,999	2,582.00
Bramlette Road	244	1.614		2		X	34,115,277	783.18
Brandt Road	448		0.746	2		X	39,385,301	904.16
Brown Road	245		3.060	2		X	73,057,948	1,677.18
Bubba Palmer Road	438	0.617		2		X	6,539,986	150.14
Buckhorn Road	371		0.146	2		X	3,606,450	82.79
Bud Haun Road	404	0.134	1.166	2		X	61,137,486	1,403.52
Buenger Road	441	2.109		2		X	33,027,621	758.21

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Bunjus Road	-	0.413		2	X			
Burger Addition Road	-	0.103		2	X			
Burns Road	254	0.164		2		X	691,383	15.87
Bursh Road	3453		1.177	2		X	19,710,596	452.49
C W Gabler Road	345		0.611	2		X	159,703,853	3,666.30
Cabeza Highway	324	8.583	1.280	2		X	165,679,026	3,803.47
Callahan Road	3472	5.408		2		X	119,293,166	2,738.59
Carter Road	-	0.126		2	X			
Catholic Church Lane	138		2.476	2		X	177,646,668	4,078.21
Cattle Guard Road	268	6.449		2		X	299,518,194	6,875.99
Cemetery Road	329	3.125		2		X	75,947,356	1,743.51
Center School Road	287		0.276	2		X	11,166,399	256.35
Center Street	-		0.168	2	X			
Chaddock Road	131		0.910	2		X	11,426,560	262.32
Charco Road	3035	1.010	3.449	2		X	227,222,259	5,216.31
Cheapside Road	148	6.090		2		X	295,593,638	6,785.90
Cheatham Road	-	0.326		2		X	1,217,492	27.95
Chilek Road	232	0.646		2		X	4,887,788	112.21
Christian Road	257	0.336		2		X	1,568,597	36.01
City of Hochheim Road	234	0.966		2		X	15,745,115	361.46
City Water Works Road	249	0.277		2		X	1,465,946	33.65
Ckodre Road	352		1.604	2		X	30,203,460	693.38
Clinton Cemetery Road	407	0.550		2		X	2,984,111	68.51
Clinton Road	410	0.561		2		X	2,857,328	65.60
Community Hall Road	3456	0.448	0.708	2		X	9,557,021	219.40
Concrete & Edgar Road	242	5.257		2		X	128,221,991	2,943.57
Cook Road	-	0.318		2	X			
Coskey Ranch Road	377		1.870	2		X	52,552,011	1,206.43
Cottonpatch Road	341	1.588	1.333	2		X	88,620,430	2,034.45
Cottonwood Road	-	0.281		2	X			
Crabtree Road	-		0.780	2		X	20,373,701	467.72
Crain Road	-	0.177	0.159	2	X			
Crestview Drive	-	0.827		2	X			
Crestview Road	301	0.543		2		X	4,545,129	104.34
Cypress Valley Road	123	0.821		2		X	11,962,138	274.61
Czaja Bros Road	3018		2.163	2		X	48,102,363	1,104.28
Dagg Road	219	2.211		2		X	87,568,548	2,010.30
Dahse Road	331	2.406		2		X	42,852,917	983.77
Davy Road	-	2.110		2		X	35,251,454	809.26
Dentler Road	424	1.117	1.704	2		X	192,884,006	4,428.01
Dickenson Road	261	0.632	0.077	2		X	60,118,199	1,380.12
Dieringer Road	290		0.176	2		X	4,432,307	101.75
Dlugosh Boldt	470		3.313	2		X	92,666,213	2,127.32
Dreier Road	423		1.393	2		X	20,549,676	471.76
Dreyer-Turkey Bottom Road	230	2.336		2		X	68,075,813	1,562.81
Dubose Ranch Road	399		6.614	2		X	147,395,138	3,383.73
E. Swartz Road	3457	1.464		2		X	66,826,714	1,534.13

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Earl Williams Road	469		2.494	2		X	48,032,832	1,102.68
Eckhardt Road	3039		4.358	2		X	138,106,084	3,170.48
Ed Blackwell Road	124	1.358		2		X	26,971,589	619.18
Edgar Leesville Road	256	0.780	4.455	2		X	225,006,169	5,165.43
Edmund Mueller Road	359		1.003	2		X	13,565,179	311.41
Edna Hattenbach Road	135		0.500	2		X	13,522,440	310.43
Edwin Schroeder Road	390		0.583	2		X	4,056,291	93.12
Elder Road	116	2.221		2		X	92,585,077	2,125.46
Elizabeth Street	-	0.161	0.099	2	X			
Elroyce Helmers Road	356		1.688	2		X	38,856,832	892.03
Emil Blank Road	205	3.418		2		X	63,243,324	1,451.87
Emil Meyer Road	3020		1.216	2		X	28,793,538	661.01
Emil Zielonka Road	449		2.522	2		X	81,937,816	1,881.03
Ernest Lemke Road	3452	1.244		2		X	19,837,561	455.41
Evans Road	270		0.790	2		X	118,192,841	2,713.33
Fay Avenue	-		0.068	2	X			
Five Mile Road	443	4.270		2		X	83,679,880	1,921.03
Flato Street	-	0.360		2	X			
Fordtran Road	107	0.275	2.147	2		X	504,353,090	11,578.35
Fox Crossing Road	421		1.910	2		X	126,007,662	2,892.74
Frank Hinojosa Road	355		1.563	2		X	24,454,494	561.40
Frank Kozielski Road	318	1.973		2		X	52,176,091	1,197.80
Frels Road	241	0.439		2		X	52,931,460	1,215.14
Friar Cliff Road	-	0.266		2		X	5,877,353	134.93
Friar Road	100	3.309	8.818	2		X	692,679,846	15,901.74
Gaebler Road	-		0.071	2	X			
Garfield Road	317	6.386		2		X	155,625,867	3,572.68
Garrett Road	272	0.538	3.726	2		X	236,619,664	5,432.04
Gentsch Street	-		0.056	2	X			
George Klein Road	344	0.181	2.511	2		X	74,934,955	1,720.27
Gerdes Road	226	1.580		2		X	26,950,752	618.70
Gerhold Road	427		1.399	2		X	25,335,254	581.62
Gerhold Road	289		0.766	2		X	18,039,733	414.14
Gilbert Mueller Road	327	2.561		2		X	68,000,827	1,561.08
Giles Road	211	0.383		2		X	525,814	12.07
Glen Oaks	-	0.619	0.020	2	X			
Goehring Road	3451	1.484		2		X	29,908,965	686.62
Gohlke Road	-	0.054		2	X			
Gohlke School Road	393	2.951		2		X	66,547,966	1,527.73
Gohmert Road	426	1.567		2		X	32,631,390	749.11
Golly Road	419	5.953		2		X	100,612,969	2,309.76
Granger Street	-	0.085	0.033	2	X			
Green Acres Road	3476	0.854		2		X	10,783,974	247.57
Green Cemetery Road	247		0.483	2		X	18,731,709	430.02
Green Dewitt Road	-	3.752		2		X	121,160,492	2,781.46
Gruenau Road	305	3.693		2		X	67,116,872	1,540.79
Guilford School Road	-		0.201	2		X	15,530,230	356.53

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Gus Meyer Road	3012		1.776	2		X	26,871,724	616.89
Gus Mueller Road	385		1.636	2		X	27,451,740	630.21
H Harms Road	378		1.000	2		X	16,139,361	370.51
H Haun Road	404	1.116		2		X	20,027,726	459.77
Haase Brothers Road	394		1.051	2		X	15,860,714	364.11
Hahn Road	262	3.061		2		X	45,367,703	1,041.50
A. Hahn Road	144		2.521	2		X	92,453,204	2,122.43
Hample Road	251	1.237		2		X	20,562,114	472.04
Hannesse	246	3.190		2		X	69,860,882	1,603.79
Hanson Road	3028	0.391	0.376	2		X	24,636,739	565.58
Hartman Road	130		4.417	2		X	157,676,116	3,619.75
Harvest	-		0.218	2		X	6,523,691	149.76
Harvey Hahn Road	3041	0.538	1.639	2		X	35,077,221	805.26
Hattenbach Road	3009		0.364	2		X	66,279,532	1,521.57
Hausman	-		0.607	2		X	31,925,901	732.92
Hebron Church Road	267	1.475	0.158	2		X	82,853,525	1,902.06
Hefner Road	-	0.544		2		X	15,479,349	355.36
Heider Road	-		0.180	2		X	27,586,373	633.30
Heinie Bade Road	444	0.700		2		X	54,685,864	1,255.41
Heinzville Road	3025		0.668	2		X	26,068,957	598.46
Hells Gate Road	167		0.400	2		X	3,881,135	89.10
Henneke Road	414		1.793	2		X	40,114,743	920.91
Hennessey Road	101		0.220	2		X	15,954,577	366.27
Henry Blank Road	231	1.287		2		X	43,020,174	987.61
Herder Road	212	2.140		2		X	44,458,927	1,020.64
Herman Migura Lane	446		1.211	2		X	69,478,850	1,595.01
Herman Road	237		0.637	2		X	70,035,849	1,607.80
Hickey Road	258	2.640		2		X	47,682,000	1,094.63
Hilbrich Bypass Road	-	0.200		2		X	1,676,506	38.49
Hilbrich Road	145	0.986		2		X	99,035,765	2,273.55
Hiller Road	415		0.660	2	X			
Hillside Drive	-		0.083	2		X	7,090,005	162.76
Hix Green Road	3029		2.707	2		X	85,739,316	1,968.30
Hochheim Cemetery Road	-	0.164		2	X			
Hoehne Road	166		1.466	2		X	42,521,537	976.16
Hogan & Mott Road	260		0.853	2		X	33,963,852	779.70
Hohn Road	311 / 3040	3.278		2		X	75,597,620	1,735.48
Hollan Road	269		0.491	2		X	20,924,620	480.36
Hopkinsville Road	429	2.340	2.120	2		X	88,203,272	2,024.87
Horseshoe Road	271	0.696	3.035	2		X	109,700,700	2,518.38
Hotz Road	150	2.211		2		X	44,364,646	1,018.47
Houston Street	-	0.084		2	X			
Howard Road	3474	0.594	2.158	2		X	73,781,234	1,693.78
Howard Weise Road	335		0.310	2		X	9,689,998	222.45
Hrabovsky Road	215	2.773		2		X	67,344,280	1,546.01
Hules Road	208	1.806		2		X	44,813,831	1,028.78
Huth Road	284		0.574	2		X	57,100,129	1,310.84

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Hy Koopmann Road	3019		2.153	2		X	58,610,012	1,345.50
Ideus	-		0.113	2		X	4,386,154	100.69
Immenhauser Road	207	2.213		2		X	60,530,031	1,389.58
Industrial Drive	-		0.294	2		X	1,440,216	33.06
Interstate 13 Road	3013		1.010	2		X	14,154,663	324.95
Isdale Road	216	0.960		2	X			
Jackson Road	395		1.753	2		X	30,906,855	709.52
Jaeger Road	3011		1.640	2		X	127,191,311	2,919.91
Jimmy Hurst Road	3030	0.850		2		X	17,692,971	406.17
Joe Pokluda Road	3033		2.170	2		X	96,758,508	2,221.27
Johnny Pokluda Road	321	0.677		2		X	8,834,088	202.80
Jutz Road	420		0.881	2		X	14,383,771	330.21
K Thiele Road	220	1.003		2		X	13,520,724	310.39
Kaiser & Adams Road	274	3.996		2		X	96,490,759	2,215.12
Kaiser Road	273		4.732	2		X	163,540,872	3,754.38
Kalawik Road	3450	0.299	3.687	2		X	110,274,574	2,531.56
Kenne Road	422		0.480	2		X	14,631,340	335.89
Koenig-McCrabb Road	416	0.120	3.392	2		X	115,008,502	2,640.23
Kolodziejcyk Road	3022		1.318	2		X	49,638,983	1,139.55
Kozelski Road	112		3.243	2		X	93,841,011	2,154.29
Kubala Store Road	397		4.903	2		X	103,454,288	2,374.98
Kvinta Schneider Road	291		0.403	2		X	12,066,884	277.02
Lackey Lane	125		0.984	2		X	84,173,574	1,932.36
Lackey Ranch Road	343		1.163	2		X	16,904,507	388.07
Ladner Road	-		0.423	2		X	33,634,677	772.15
Lakeside	-	0.390		2		X	7,107,184	163.16
Lakeside Road	169	1.364		2		X	56,191,011	1,289.97
Lane Avenue	-	0.805		2	X			
Larry Vasbinder Road	320	0.453	1.565	2			41,178,691	945.33
Lee Alvis Road	3024		1.213	2			84,138,663	1,931.56
Lee Avenue	-	0.207		2	X			
Leo Nelson Road	3017		2.294	2		X	42,290,325	970.85
Lincke Road	396		2.264	2		X	29,310,033	672.87
Lindenau Road	157	2.490		2		X	97,248,301	2,232.51
Little McGehee Road	243		1.903	2		X	43,142,734	990.42
Live Oak Road	-	3.177		2		X	92,540,138	2,124.43
Lockhart Cemetery Road	160	1.935		2		X	22,646,213	519.89
Lone Tree Road	224	3.642		2		X	59,019,366	1,354.90
Luehr Road	-	0.064		2		X	44,301,106	1,017.01
Lutheren Cemetary Rd	3459	0.235		2	X			
Lynch Road	-	0.260		2	X			
Main Street	-		0.138	2	X			
Mann Road	332	0.174		2		X	2,427,264	55.72
Maron Road	361		1.947	2		X	35,467,703	814.23
Martinez Road	227	3.056		2		X	56,540,698	1,298.00
Matejek Road	398		2.030	2		X	47,005,362	1,079.09
Matthew & Adams Road	276	3.150		2		X	63,266,025	1,452.39

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
McCurdy Road	154	3.746		2		X	119,371,579	2,740.39
McElroy Road	239	1.158		2		X	8,860,125	203.40
Mertins Street	-	0.256		2	X			
Mesquite Lane	-	0.243		2	X			
Metting School Road	3464	4.207		2		X	107,617,084	2,470.55
Meyer Road	142	1.419	0.678	2		X	44,316,955	1,017.38
Meyersville Road	405	2.238		2		X	30,080,884	690.56
Mission Valley Road	400	3.535	1.918	2		X	35,793,361	821.70
Mockingbird	-	0.227		2	X			
Morgan Road	-	0.930		2		X	30,878,143	708.86
Morris Community Road	200	4.370		2		X	80,604,941	1,850.43
Morris School Road	201	1.426		2		X	25,198,627	578.48
Mueller Lang Road	445	3.263		2		X	115,459,224	2,650.58
Mueller Road	106	1.680		2		X	30,794,084	706.93
Mulberry Road	-	0.620		2	X			
Muschalek Road	347		0.920	2		X	13,761,265	315.92
Musselman Road	235		0.751	2		X	8,246,294	189.31
Naranjo Road	-		0.245	2	X			
Nathan Mueller Road	337		0.911	2		X	46,250,813	1,061.77
Neal Road	282		0.476	2		X	4,521,181	103.79
Nelson Road	222	0.691		2		X	18,560,536	426.09
Nesloney Road	-		0.210	2	X			
Nessel Road	164	1.096	1.127	2		X	35,681,672	819.14
Nobhill Road	2026		0.118	2		X	4,854,880	111.45
Noe Hinojosa Road	351		2.071	2		X	55,719,638	1,279.15
Nolte-Boehl Road	132	0.319	1.660	2		X	45,022,464	1,033.57
Nordheim Cemetery Road	328	0.326		2		X	1,164,396	26.73
Nordheim Slickfield Road	309	5.242		2		X	206,836,912	4,748.32
North Street	-		0.127	2		X	3,798,158	87.19
Old 237 Road	3455	2.864		2		X	8,097,224	185.89
Old Charco Road	312	0.760		2		X	7,192,842	165.12
Old Cheapside Road	163	0.764		2		X	35,068,545	805.06
Old Clinton Road	439	1.377		2		X	13,004,376	298.54
Old Cuero Road	248	3.252	3.865	2		X	146,369,672	3,360.19
Old Davy Road	3015		1.157	2		X	62,256,202	1,429.21
Old Fechner Road	3021	0.391		2		X	8,361,157	191.95
Old Goliad Road	411	2.090	0.200	2		X	45,028,797	1,033.72
Old Gonzales Road	108	3.480		2		X	73,607,323	1,689.79
Old Nordheim Road	3038		1.570	2		X	33,393,235	766.60
Old San Antonio Road	-	0.980		2		X	9,995,596	229.47
Old Victoria Road	102	0.154		2		X	406,368	9.33
Old Weesatch Road	3463	0.165	0.138	2		X	1,209,484	27.77
Old Yoakum Road	113	6.720		2		X	165,362,608	3,796.20
Old Yorktown Road	467	2.823	2.638	2		X	148,107,454	3,400.08
Old Yorktown Road	302	0.956		2		X	9,854,815	226.24
Oliver Road	-	0.363		2	X			
Oliver Road	-		2.261	2	X			

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Onken Road	375		0.574	2		X	4,834,475	110.98
Otto Bolting Road	383		1.063	2		X	14,454,923	331.84
Otto Fuhrken Road	3034	3.040	0.895	2		X	75,624,460	1,736.10
Pargmann Road	203	3.018		2		X	74,808,972	1,717.38
Pete Jablonski Road	3465	0.926		2		X	11,834,490	271.68
Petru Road	218	0.130		2	X			
Plasczyk Road	3016		1.276	2		X	15,625,604	358.71
Post Oak Way	-	0.273		2	X			
Pridgen Road	-		0.569	2		X	832,453	19.11
Primitive Baptist Church Road	278	0.644		2		X	5,656,271	129.85
Procter Road	-	0.318	0.129	2	X			
Rabel Road	447		1.566	2		X	165,815,613	3,806.60
Radio Road	103	0.304		2		X	6,573,852	150.91
Railroad Street	-	0.220	0.308	2	X			
Rainbow Road	151	1.102	1.658	2		X	61,635,577	1,414.96
Rappold Road	252	1.871		2		X	40,901,024	938.96
Rathkamp Lane	225		0.753	2		X	29,354,449	673.89
Rau Road	3036	1.318		2		X	15,691,387	360.22
Rebecca Lane	-	0.270		2		X	2,908,788	66.78
Redies Road	-	0.371		2		X	49,600,908	1,138.68
Remmers Road	330	2.261		2		X	48,861,503	1,121.71
Respondek Road	-	1.428		2		X	16,139,273	370.51
Rice & Davis Road	259	1.686		2		X	27,157,317	623.45
Rice Road	265	2.544		2		X	62,600,338	1,437.11
Richter Road	209	1.673		2		X	31,950,773	733.49
River Oaks Road	-	0.413		2		X	5,580,893	128.12
River Ridge Road	-	0.351		2	X			
River Road	409	3.813		2		X	117,886,439	2,706.30
Robert Meischen Road	346	1.216		2		X	55,281,547	1,269.09
Robert Meischen Road	319	0.781		2		X	30,885,490	709.03
Roeder Ranch Road	342		0.854	2		X	34,466,706	791.25
Rogge-Seifert Road	358		5.263	2		X	132,213,067	3,035.19
Romeo Korth Road	349		0.750	2		X	47,821,033	1,097.82
Rosie Dunn Road	153	0.463		2		X	20,835,303	478.31
Rothkamp & Dreyer Road	223	2.127		2		X	40,721,106	934.83
Royal Oaks 1 Road	308	1.343		2	X			
Royal Oaks 2 Road	3023	0.423		2	X			
Ryan Ranch Road	376		1.727	2		X	104,816,119	2,406.25
S. A. Butler Road	322	0.788		2		X	13,870,399	318.42
Salt Creek Cemetery Road	3014		2.607	2		X	94,658,788	2,173.07
Sam Morris Road	127		0.716	2		X	20,079,701	460.97
Sandy Gate 2 Road	3007		0.807	2		X	9,441,869	216.76
Sandy Gate Road	3005		0.831	2		X	9,159,366	210.27
Sapp Road	279	2.119		2		X	50,189,245	1,152.19
Sauer Bade Road	406	2.506		2		X	70,200,011	1,611.57
Scheffler Road	325	1.065		2		X	16,661,849	382.50
Scheffler Road	357		2.903	2		X	49,492,894	1,136.20

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Schendel Road	350		2.508	2		X	95,541,522	2,193.33
Schleicher Road	-	0.384		2	X			
Schlenstedt Road	137	1.866		2		X	33,506,678	769.21
Schlinke Road	128	2.763		2		X	54,159,396	1,243.33
Schmidt Road	229	1.123		2		X	18,713,093	429.59
Schneider Ranch Road	365		1.681	2		X	26,079,409	598.70
Schorre Pieper Road	442	2.897		2		X	78,834,981	1,809.80
Schuenemann Road	379		0.671	2		X	6,025,147	138.32
Schulle Road	143	1.699	1.377	2		X	59,713,050	1,370.82
Schultz Road	304	1.228		2		X	18,882,343	433.48
Seidel Road	141		1.408	2		X	25,228,200	579.16
Seiler Road	362		1.036	2		X	18,741,679	430.25
Shirley Ross Road	436		1.016	2		X	6,396,335	146.84
Shows Brothers Road	353		0.880	2		X	36,366,668	834.86
Sievert Pit Road	146		1.826	2		X	28,283,362	649.30
Simecek Road	392		4.433	2		X	104,745,846	2,404.63
Simpson Ranch Road	323	2.527		2		X	84,875,862	1,948.48
Sinclair Road	158		1.060	2		X	35,631,273	817.98
Slickfield Road	3027	1.757	2.539	2		X	149,208,376	3,425.35
Smith Ranch Road	122	3.769	2.050	2		X	192,216,880	4,412.69
Sonneborn Road	381		0.790	2		X	20,762,176	476.63
South Golly Road	-	1.672	0.349	2		X	39,146,879	898.69
South River Road	401	4.080		2		X	148,345,620	3,405.55
Spies Road	388		2.293	2		X	81,229,326	1,864.77
St. John School Road	126	1.064		2		X	9,613,976	220.71
Stanchos Road	391		1.141	2		X	44,421,622	1,019.78
Stanley Dworaczyk Road	339		3.540	2		X	91,582,303	2,102.44
Steen Road	155	1.424		2		X	37,276,469	855.75
Steinmann Road	264		1.927	2		X	42,099,572	966.47
Stockdale Road	-	0.161		2		X	11,862,501	272.33
Stratton Road	283	2.434		2		X	46,270,929	1,062.23
Suhr Road	210	0.814		2		X	6,835,229	156.92
Sunday Lane	336	1.528		2		X	32,545,766	747.15
Swartz	-		0.080	2	X			
Sweet Potato Road	364		0.292	2		X	7,749,111	177.90
Sycamore Lane	-		0.190	2	X			
Talk Ranch Road	310	1.160		2		X	16,449,245	377.62
Talk Road	3031		0.895	2		X	63,557,123	1,459.07
Tamm Road	3475	1.118	1.576	2		X	49,850,324	1,144.41
Taylor Road	430	0.749	0.974	2		X	60,822,290	1,396.29
Terryville Church Road	266		0.706	2		X	47,666,680	1,094.28
Thiele Road	-	0.243		2		X	32,575,577	747.83
Thieme Road	360		1.636	2		X	35,617,252	817.66
Thomaston River Road	104	2.269		2		X	49,102,571	1,127.24
Thomaston River Road	418	3.626		2		X	107,721,376	2,472.94
Tully Road	435	1.327	0.236	2		X	30,012,794	689.00
Vahalik Road	221	0.461		2		X	25,675,598	589.43

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
Van Vleck	-		0.271	2	X				
Verhelle Road	104	1.630	4.440	2		X	340,779,866	7,823.23	
VFW Road	303	2.310		2		X	32,141,255	737.86	
Von Haefen Road	119	2.104	0.334	2		X	64,602,314	1,483.07	
W. Egg Road	425		1.012	2		X	31,449,430	721.98	
Walicek Road	250	1.298		2		X	14,297,123	328.22	
Walter Mueller Road	3002		1.461	2		X	26,673,879	612.35	
Ward Road	238		0.163	2		X	8,177,401	187.73	
Warzecha Lane	-		0.446	2		X	2,817,317	64.68	
Wendel Road	403	2.614		2		X	45,906,775	1,053.87	
Westhoff Cemetery Road	136	0.124	1.441	2		X	28,145,393	646.13	
Westside Cemetery Road	316	0.692		2	X				
Whitley Road	236		0.826	2		X	31,578,922	724.95	
Wied Road	380		1.426	2		X	19,708,935	452.45	
Wild Road	159		1.290	2		X	33,115,751	760.23	
Williams	-		0.160	2		X	52,540,625	1,206.17	
Willie Blank Road	205	0.667		2		X	12,232,432	280.82	
Willie Buesing Road	386		0.508	2		X	12,307,062	282.53	
Wilson Wagner	-	0.141		2	X				
Wischkaemper Road	3010		2.957	2		X	50,545,535	1,160.37	
Wofford Lane	162		0.640	2		X	67,721,492	1,554.67	
Wolf & Hartman Road	402	0.886		2		X	74,629,763	1,713.26	
Wolf Hollow Road	110		5.639	2		X	284,170,768	6,523.66	
Woodman Cemetery Road	437		0.264	2		X	3,642,517	83.62	
Woods Cemetery Road	3478		0.668	2		X	21,576,638	495.33	
Woods Road	3477	1.959		2		X	51,239,918	1,176.31	
Wuench Road	389		2.211	2		X	47,386,542	1,087.85	
Y Ochoa Road	3032		1.356	2		X	115,326,619	2,647.53	
York Cemetery Road	447		1.070	2		X	54,950,187	1,261.48	
Yorktown Heights	313	0.198		2	X				
Yorktown Slickfield Road	3042	2.834		2		X	122,245,697	2,806.38	
Zengerle Road	161	0.882	0.533	2		X	111,209,305	2,553.01	
Zimmerman Road	117	0.606		2		X	25,234,133	579.30	
Zion Cemetery Road	-	0.510		2		X	11,289,480	259.17	
Zorn Road	3454	1.929		2		X	55,530,580	1,274.81	
TOTAL		379.840	305.078			52	354	20,000,982,164	459,159.37
OVERALL TOTAL		684.918				406			

¹ The usage of an area was determined to be residential if the area consisted of multiple homesites or near cities and townsites, as these areas would likely not support drilling activities, usage of other .

² The service area was not determined for the areas that were deemed residential as oil field drilling activities are not likely to occur in the area.

APPENDIX C



APPENDIX C
Western DeWitt County Road Information
for the Eagle Ford Shale Play
West of US Highway 77A and West of State Highway 72

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Bellevue Cemetery Road	147	6.702		2		X	329,238,785	7,558.28
Cheapside Road	148	6.090		2		X	295,593,638	6,785.90
Smith Ranch Road	122	3.769	2.050	2		X	192,216,880	4,412.69
Catholic Church Lane	138		2.476	2		X	177,646,668	4,078.21
Cabeza Highway	324	8.583	1.280	2		X	165,679,026	3,803.47
C W Gabler Road	345		0.611	2		X	159,703,853	3,666.30
Hartman Road	130		4.417	2		X	157,676,116	3,619.75
Garfield Road	317	6.386		2		X	155,625,867	3,572.68
Dubose Ranch Road	399		6.614	2		X	147,395,138	3,383.73
Boldt Road	129	5.341		2		X	143,926,890	3,304.11
Rogge-Seifert Road	358		5.263	2		X	132,213,067	3,035.19
Concrete & Edgar Road	242	5.257		2		X	128,221,991	2,943.57
Jaeger Road	3011		1.640	2		X	127,191,311	2,919.91
McCurdy Road	154	3.746		2		X	119,371,579	2,740.39
Braden Road	168		0.563	2		X	112,471,999	2,582.00
Biemer Road	463		3.141	2		X	110,643,411	2,540.02
Metting School Road	3464	4.207		2		X	107,617,084	2,470.55
Barnhart Ranch Road	165	0.935	0.027	2		X	107,517,118	2,468.25
Ryan Ranch Road	376		1.727	2		X	104,816,119	2,406.25
Simecek Road	392		4.433	2		X	104,745,846	2,404.63
Kubala Store Road	397		4.903	2		X	103,454,288	2,374.98
Hilbrich Road	145	0.986		2		X	99,035,765	2,273.55
Lindenau Road	157	2.490		2		X	97,248,301	2,232.51
Schendel Road	350		2.508	2		X	95,541,522	2,193.33
Salt Creek Cemetery Road	3014		2.607	2		X	94,658,788	2,173.07
Kozelski Road	112		3.243	2		X	93,841,011	2,154.29
Elder Road	116	2.221		2		X	92,585,077	2,125.46
A. Hahn Road	144		2.521	2		X	92,453,204	2,122.43
Stanley Dworaczyk Road	339		3.540	2		X	91,582,303	2,102.44
Alfred Blaschke Road	374		4.935	2		X	89,223,238	2,048.28
Cottonpatch Road	341	1.588	1.333	2		X	88,620,430	2,034.45
Dagg Road	219	2.211		2		X	87,568,548	2,010.30
Simpson Ranch Road	323	2.527		2		X	84,875,862	1,948.48
Lackey Lane	125		0.984	2		X	84,173,574	1,932.36
Spies Road	388		2.293	2		X	81,229,326	1,864.77
Morris Community Road	200	4.370		2		X	80,604,941	1,850.43
George Klein Road	344	0.181	2.511	2		X	74,934,955	1,720.27
Pargmann Road	203	3.018		2		X	74,808,972	1,717.38
Old Gonzales Road	108	3.480		2		X	73,607,323	1,689.79
Brown Road	245		3.060	2		X	73,057,948	1,677.18
Arndt Road	139		1.244	2		X	72,926,455	1,674.16

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Herman Road	237		0.637	2		X	70,035,849	1,607.80
Hannesse	246	3.190		2		X	69,860,882	1,603.79
Dreyer-Turkey Bottom Road	230	2.336		2		X	68,075,813	1,562.81
Wofford Lane	162		0.640	2		X	67,721,492	1,554.67
Hrabovsky Road	215	2.773		2		X	67,344,280	1,546.01
Gruenau Road	305	3.693		2		X	67,116,872	1,540.79
E. Swartz Road	3457	1.464		2		X	66,826,714	1,534.13
Gohlke School Road	393	2.951		2		X	66,547,966	1,527.73
Hattenbach Road	3009		0.364	2		X	66,279,532	1,521.57
Von Haefen Road	119	2.104	0.334	2		X	64,602,314	1,483.07
Emil Blank Road	205	3.418		2		X	63,243,324	1,451.87
Old Davy Road	3015		1.157	2		X	62,256,202	1,429.21
Immenhauser Road	207	2.213		2		X	60,530,031	1,389.58
Schulle Road	143	1.699	1.377	2		X	59,713,050	1,370.82
Lone Tree Road	224	3.642		2		X	59,019,366	1,354.90
Hy Koopmann Road	3019		2.153	2		X	58,610,012	1,345.50
Martinez Road	227	3.056		2		X	56,540,698	1,298.00
Noe Hinojosa Road	351		2.071	2		X	55,719,638	1,279.15
Robert Meischen Road	346	1.216		2		X	55,281,547	1,269.09
Frels Road	241	0.439		2		X	52,931,460	1,215.14
Coskey Ranch Road	377		1.870	2		X	52,552,011	1,206.43
Williams Road	-		0.160	2		X	52,540,625	1,206.17
Frank Kozielski Road	318	1.973		2		X	52,176,091	1,197.80
Bootlegger Road	202	2.641		2		X	50,672,667	1,163.28
Wischkaemper Road	3010		2.957	2		X	50,545,535	1,160.37
Scheffler Road	357		2.903	2		X	49,492,894	1,136.20
Czaja Bros Road	3018		2.163	2		X	48,102,363	1,104.28
Romeo Korth Road	349		0.750	2		X	47,821,033	1,097.82
Wuench Road	389		2.211	2		X	47,386,542	1,087.85
Matejek Road	398		2.030	2		X	47,005,362	1,079.09
Nathan Mueller Road	337		0.911	2		X	46,250,813	1,061.77
Nolte-Boehl Road	132	0.319	1.660	2		X	45,022,464	1,033.57
Hules Road	208	1.806		2		X	44,813,831	1,028.78
Herder Road	212	2.140		2		X	44,458,927	1,020.64
Stanchos Road	391		1.141	2		X	44,421,622	1,019.78
Meyer Road	142	1.419	0.678	2		X	44,316,955	1,017.38
Little McGehee Road	243		1.903	2		X	43,142,734	990.42
Henry Blank Road	231	1.287		2		X	43,020,174	987.61
Hoehne Road	166		1.466	2		X	42,521,537	976.16
Leo Nelson Road	3017		2.294	2		X	42,290,325	970.85
Larry Vasbinder Road	320	0.453	1.565	2			41,178,691	945.33
Rothkamp & Dreyer Road	223	2.127		2		X	40,721,106	934.83
Elroyce Helmers Road	356		1.688	2		X	38,856,832	892.03
Bill Lemke Road	334		1.180	2		X	38,022,719	872.88
Steen Road	155	1.424		2		X	37,276,469	855.75
Shows Brothers Road	353		0.880	2		X	36,366,668	834.86
Nessel Road	164	1.096	1.127	2		X	35,681,672	819.14

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Sinclair Road	158		1.060	2		X	35,631,273	817.98
Thieme Road	360		1.636	2		X	35,617,252	817.66
Maron Road	361		1.947	2		X	35,467,703	814.23
Davy Road	-	2.110		2		X	35,251,454	809.26
Harvey Hahn Road	3041	0.538	1.639	2		X	35,077,221	805.26
Old Cheapside Road	163	0.764		2		X	35,068,545	805.06
Baker Road	3001		0.576	2		X	34,663,348	795.76
Roeder Ranch Road	342		0.854	2		X	34,466,706	791.25
Bramlette Road	244	1.614		2		X	34,115,277	783.18
Schlenstedt Road	137	1.866		2		X	33,506,678	769.21
Wild Road	159		1.290	2		X	33,115,751	760.23
Thiele Road	-	0.243		2		X	32,575,577	747.83
Sunday Lane	336	1.528		2		X	32,545,766	747.15
VFW Road	303	2.310		2		X	32,141,255	737.86
Richter Road	209	1.673		2		X	31,950,773	733.49
Whitley Road	236		0.826	2		X	31,578,922	724.95
Jackson Road	395		1.753	2		X	30,906,855	709.52
Robert Meischen Road	319	0.781		2		X	30,885,490	709.03
Morgan Road	-	0.930		2		X	30,878,143	708.86
Mueller Road	106	1.680		2		X	30,794,084	706.93
Berkenhoff Road	340		0.780	2		X	30,704,793	704.89
Ckodre Road	352		1.604	2		X	30,203,460	693.38
Rathkamp Lane	225		0.753	2		X	29,354,449	673.89
Lincke Road	396		2.264	2		X	29,310,033	672.87
Emil Meyer Road	3020		1.216	2		X	28,793,538	661.01
Sievert Pit Road	146		1.826	2		X	28,283,362	649.30
Westhoff Cemetery Road	136	0.124	1.441	2		X	28,145,393	646.13
Heider Road	-		0.180	2		X	27,586,373	633.30
Ed Blackwell Road	124	1.358		2		X	26,971,589	619.18
Gerdes Road	226	1.580		2		X	26,950,752	618.70
Gus Meyer Road	3012		1.776	2		X	26,871,724	616.89
Walter Mueller Road	3002		1.461	2		X	26,673,879	612.35
A Metting Road	3006		2.073	2		X	26,143,190	600.17
Schneider Ranch Road	365		1.681	2		X	26,079,409	598.70
Vahalik Road	221	0.461		2		X	25,675,598	589.43
Zimmerman Road	117	0.606		2		X	25,234,133	579.30
Seidel Road	141		1.408	2		X	25,228,200	579.16
Morris School Road	201	1.426		2		X	25,198,627	578.48
Frank Hinojosa Road	355		1.563	2		X	24,454,494	561.40
Lockhart Cemetery Road	160	1.935		2		X	22,646,213	519.89
Woods Cemetery Road	3478		0.668	2		X	21,576,638	495.33
Rosie Dunn Road	153	0.463		2		X	20,835,303	478.31
Sam Morris Road	127		0.716	2		X	20,079,701	460.97
Schultz Road	304	1.228		2		X	18,882,343	433.48
Seiler Road	362		1.036	2		X	18,741,679	430.25
Green Cemetery Road	247		0.483	2		X	18,731,709	430.02
Schmidt Road	229	1.123		2		X	18,713,093	429.59

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Nelson Road	222	0.691		2		X	18,560,536	426.09
Gerhold Road	289		0.766	2		X	18,039,733	414.14
Lackey Ranch Road	343		1.163	2		X	16,904,507	388.07
Scheffler Road	325	1.065		2		X	16,661,849	382.50
H Harms Road	378		1.000	2		X	16,139,361	370.51
Respondek Road	-	1.428		2		X	16,139,273	370.51
Allen Lane	204		0.450	2		X	15,956,537	366.31
Haase Brothers Road	394		1.051	2		X	15,860,714	364.11
City of Hochheim Road	234	0.966		2		X	15,745,115	361.46
Plasczyk Road	3016		1.276	2		X	15,625,604	358.71
Guilford School Road	-		0.201	2		X	15,530,230	356.53
Ben Meischen Road	338		0.747	2		X	14,790,457	339.54
Interstate 13 Road	3013		1.010	2		X	14,154,663	324.95
Boehm Road	156	1.143		2		X	13,932,316	319.84
S. A. Butler Road	322	0.788		2		X	13,870,399	318.42
Muschalek Road	347		0.920	2		X	13,761,265	315.92
Edmund Mueller Road	359		1.003	2		X	13,565,179	311.41
Edna Hattenbach Road	135		0.500	2		X	13,522,440	310.43
K Thiele Road	220	1.003		2		X	13,520,724	310.39
Willie Blank Road	205	0.667		2		X	12,232,432	280.82
Pete Jablonski Road	3465	0.926		2		X	11,834,490	271.68
Chaddock Road	131		0.910	2		X	11,426,560	262.32
Center School Road	287		0.276	2		X	11,166,399	256.35
Blackwell Lane	121	1.223		2		X	10,578,727	242.85
Old San Antonio Road	-	0.980		2		X	9,995,596	229.47
Howard Weise Road	335		0.310	2		X	9,689,998	222.45
St. John School Road	126	1.064		2		X	9,613,976	220.71
Sandy Gate 2 Road	3007		0.807	2		X	9,441,869	216.76
Sandy Gate Road	3005		0.831	2		X	9,159,366	210.27
McElroy Road	239	1.158		2		X	8,860,125	203.40
Johnny Pokluda Road	321	0.677		2		X	8,834,088	202.80
Musselman Road	235		0.751	2		X	8,246,294	189.31
Ward Road	238		0.163	2		X	8,177,401	187.73
Sweet Potato Road	364		0.292	2		X	7,749,111	177.90
Blake Road	307		0.380	2		X	6,421,937	147.43
Schuenemann Road	379		0.671	2		X	6,025,147	138.32
Chilek Road	232	0.646		2		X	4,887,788	112.21
Onken Road	375		0.574	2		X	4,834,475	110.98
Crestview Road	301	0.543		2		X	4,545,129	104.34
Dieringer Road	290		0.176	2		X	4,432,307	101.75
Edwin Schroeder Road	390		0.583	2		X	4,056,291	93.12
Hells Gate Road	167		0.400	2		X	3,881,135	89.10
Buckhorn Road	371		0.146	2		X	3,606,450	82.79
Anderson Avenue	-	0.338		2		X	3,169,425	72.76
Warzecha Lane	-		0.446	2		X	2,817,317	64.68
Bluebonnet Lane	217	1.101		2		X	2,581,249	59.26
Mann Road	332	0.174		2		X	2,427,264	55.72

Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²	
		Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage
Arndt Bypass Road	-		0.236	2		X	1,185,754	27.22
Auction Ring Road	171	0.037	0.113	2		X	256,223	5.88
6th Street	314	0.674		2	X		-	-
7th Street	-	0.130		2	X		-	-
8th Street	315	0.681		2	X		-	-
8th Street	3462	0.248		2	X		-	-
Bunjus Road	-	0.413		2	X		-	-
Carter Road	-	0.126		2	X		-	-
Cook Road	-	0.318		2	X		-	-
Cottonwood Road	-	0.281		2	X		-	-
Crain Road	-	0.177	0.159	2	X		-	-
Elizabeth Street	-	0.161	0.099	2	X		-	-
Fay Avenue	-		0.068	2	X		-	-
Flato Street	-	0.360		2	X		-	-
Hochheim Cemetery Road	-	0.164		2	X		-	-
Houston Street	-	0.084		2	X		-	-
Isdale Road	216	0.960		2	X		-	-
Lane Avenue	-	0.805		2	X		-	-
Lee Avenue	-	0.207		2	X		-	-
Lynch Road	-	0.260		2	X		-	-
Main Street	-		0.138	2	X		-	-
Mesquite Lane	-	0.243		2	X		-	-
Mockingbird	-	0.227		2	X		-	-
Mulberry Road	-	0.620		2	X		-	-
Naranjo Road	-		0.245	2	X		-	-
Oliver Road	-	0.363		2	X		-	-
Petru Road	218	0.130		2	X		-	-
Procter Road	-	0.318	0.129	2	X		-	-
Railroad Street	-	0.220	0.308	2	X		-	-
River Ridge Road	-	0.351		2	X		-	-
Schleicher Road	-	0.384		2	X		-	-
Van Vleck	-		0.271	2	X		-	-
Westside Cemetery Road	316	0.692		2	X		-	-
Yorktown Heights	313	0.198		2	X		-	-
TOTAL		177.721	164.273		32	183	9,209,182,894	211,413.75
OVERALL TOTAL		341.994			215			

¹ The usage of an area was determined to be unfavorable if the area consisted of multiple homesites or near cities and townsites, as these areas would likely not support drilling activities, usage of other .

² The service area was not determined for the areas that were deemed residential as oil field drilling activities are not likely to occur in the area.

APPENDIX D



APPENDIX D
Well Development Assignment by Roadway
for the Eagle Ford Shale Play
West of US Highway 77A and West of State Highway 72

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W001	Bellevue Cemetery Road	147	6.702		2		X	329,238,785	7,558.28	116
W002	Cheapside Road	148	6.090		2		X	295,593,638	6,785.90	104
W003	Smith Ranch Road	122	3.769	2.050	2		X	192,216,880	4,412.69	68
W004	Catholic Church Lane	138		2.476	2		X	177,646,668	4,078.21	63
W005	Cabeza Highway	324	8.583	1.280	2		X	165,679,026	3,803.47	59
W006	C W Gabler Road	345		0.611	2		X	159,703,853	3,666.30	56
W007	Hartman Road	130		4.417	2		X	157,676,116	3,619.75	56
W008	Garfield Road	317	6.386		2		X	155,625,867	3,572.68	55
W009	Dubose Ranch Road	399		6.614	2		X	147,395,138	3,383.73	52
W010	Boldt Road	129	5.341		2		X	143,926,890	3,304.11	51
W011	Rogge-Seifert Road	358		5.263	2		X	132,213,067	3,035.19	47
W012	Concrete & Edgar Road	242	5.257		2		X	128,221,991	2,943.57	45
W013	Jaeger Road	3011		1.640	2		X	127,191,311	2,919.91	45
W014	McCurdy Road	154	3.746		2		X	119,371,579	2,740.39	42
W016	Braden Road	168		0.563	2		X	112,471,999	2,582.00	40
W015	Biemer Road	463		3.141	2		X	110,643,411	2,540.02	39
W017	Metting School Road	3464	4.207		2		X	107,617,084	2,470.55	38
W018	Barnhart Ranch Road	165	0.935	0.027	2		X	107,517,118	2,468.25	38
W019	Ryan Ranch Road	376		1.727	2		X	104,816,119	2,406.25	37
W020	Simecek Road	392		4.433	2		X	104,745,846	2,404.63	37
W021	Kubala Store Road	397		4.903	2		X	103,454,288	2,374.98	37
W022	Hilbrich Road	145	0.986		2		X	99,035,765	2,273.55	35
W023	Lindenau Road	157	2.490		2		X	97,248,301	2,232.51	34
W024	Schendel Road	350		2.508	2		X	95,541,522	2,193.33	34
W025	Salt Creek Cemetery Road	3014		2.607	2		X	94,658,788	2,173.07	33
W026	Kozelski Road	112		3.243	2		X	93,841,011	2,154.29	33
W027	Elder Road	116	2.221		2		X	92,585,077	2,125.46	33

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W028	A. Hahn Road	144		2.521	2		X	92,453,204	2,122.43	33
W029	Stanley Dworaczyk Road	339		3.540	2		X	91,582,303	2,102.44	32
W030	Alfred Blaschke Road	374		4.935	2		X	89,223,238	2,048.28	32
W031	Cottonpatch Road	341	1.588	1.333	2		X	88,620,430	2,034.45	31
W032	Dagg Road	219	2.211		2		X	87,568,548	2,010.30	31
W033	Simpson Ranch Road	323	2.527		2		X	84,875,862	1,948.48	30
W034	Lackey Lane	125		0.984	2		X	84,173,574	1,932.36	30
W035	Spies Road	388		2.293	2		X	81,229,326	1,864.77	29
W036	Morris Community Road	200	4.370		2		X	80,604,941	1,850.43	28
W037	George Klein Road	344	0.181	2.511	2		X	74,934,955	1,720.27	26
W038	Pargmann Road	203	3.018		2		X	74,808,972	1,717.38	26
W039	Old Gonzales Road	108	3.480		2		X	73,607,323	1,689.79	26
W040	Brown Road	245		3.060	2		X	73,057,948	1,677.18	26
W041	Arndt Road	139		1.244	2		X	72,926,455	1,674.16	26
W042	Herman Road	237		0.637	2		X	70,035,849	1,607.80	25
W043	Hannessee	246	3.190		2		X	69,860,882	1,603.79	25
W044	Dreyer-Turkey Bottom Road	230	2.336		2		X	68,075,813	1,562.81	24
W045	Wofford Lane	162		0.640	2		X	67,721,492	1,554.67	24
W046	Hrabovsky Road	215	2.773		2		X	67,344,280	1,546.01	24
W047	Gruenau Road	305	3.693		2		X	67,116,872	1,540.79	24
W048	E. Swartz Road	3457	1.464		2		X	66,826,714	1,534.13	24
W049	Gohlke School Road	393	2.951		2		X	66,547,966	1,527.73	24
W050	Hattenbach Road	3009		0.364	2		X	66,279,532	1,521.57	23
W051	Von Haefen Road	119	2.104	0.334	2		X	64,602,314	1,483.07	23
W052	Emil Blank Road	205	3.418		2		X	63,243,324	1,451.87	22
W053	Old Davy Road	3015		1.157	2		X	62,256,202	1,429.21	22
W054	Immenhauser Road	207	2.213		2		X	60,530,031	1,389.58	21
W055	Schulle Road	143	1.699	1.377	2		X	59,713,050	1,370.82	21
W056	Lone Tree Road	224	3.642		2		X	59,019,366	1,354.90	21
W057	Hy Koopmann Road	3019		2.153	2		X	58,610,012	1,345.50	21
W058	Martinez Road	227	3.056		2		X	56,540,698	1,298.00	20
W059	Noe Hinojosa Road	351		2.071	2		X	55,719,638	1,279.15	20
W060	Robert Meischen Road	346	1.216		2		X	55,281,547	1,269.09	20

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W061	Frels Road	241	0.439		2		X	52,931,460	1,215.14	19
W062	Coskey Ranch Road	377		1.870	2		X	52,552,011	1,206.43	19
W063	Williams Road	-		0.160	2		X	52,540,625	1,206.17	19
W064	Frank Kozielski Road	318	1.973		2		X	52,176,091	1,197.80	18
W065	Bootlegger Road	202	2.641		2		X	50,672,667	1,163.28	18
W066	Wischkaemper Road	3010		2.957	2		X	50,545,535	1,160.37	18
W067	Scheffler Road	357		2.903	2		X	49,492,894	1,136.20	17
W068	Czaja Bros Road	3018		2.163	2		X	48,102,363	1,104.28	17
W069	Romeo Korth Road	349		0.750	2		X	47,821,033	1,097.82	17
W070	Wuench Road	389		2.211	2		X	47,386,542	1,087.85	17
W071	Matejek Road	398		2.030	2		X	47,005,362	1,079.09	17
W072	Nathan Mueller Road	337		0.911	2		X	46,250,813	1,061.77	16
W073	Nolte-Boehl Road	132	0.319	1.660	2		X	45,022,464	1,033.57	16
W074	Hules Road	208	1.806		2		X	44,813,831	1,028.78	16
W075	Herder Road	212	2.140		2		X	44,458,927	1,020.64	16
W076	Stanchos Road	391		1.141	2		X	44,421,622	1,019.78	16
W077	Meyer Road	142	1.419	0.678	2		X	44,316,955	1,017.38	16
W078	Little McGehee Road	243		1.903	2		X	43,142,734	990.42	15
W079	Henry Blank Road	231	1.287		2		X	43,020,174	987.61	15
W080	Hoehne Road	166		1.466	2		X	42,521,537	976.16	15
W081	Leo Nelson Road	3017		2.294	2		X	42,290,325	970.85	15
W082	Larry Vasbinder Road	320	0.453	1.565	2			41,178,691	945.33	15
W083	Rothkamp & Dreyer Road	223	2.127		2		X	40,721,106	934.83	14
W084	Elroyce Helmers Road	356		1.688	2		X	38,856,832	892.03	14
W085	Bill Lemke Road	334		1.180	2		X	38,022,719	872.88	13
W086	Steen Road	155	1.424		2		X	37,276,469	855.75	13
W087	Shows Brothers Road	353		0.880	2		X	36,366,668	834.86	13
W088	Nessel Road	164	1.096	1.127	2		X	35,681,672	819.14	13
W089	Sinclair Road	158		1.060	2		X	35,631,273	817.98	13
W090	Thieme Road	360		1.636	2		X	35,617,252	817.66	13
W091	Maron Road	361		1.947	2		X	35,467,703	814.23	13
W092	Davy Road	-	2.110		2		X	35,251,454	809.26	12
W093	Harvey Hahn Road	3041	0.538	1.639	2		X	35,077,221	805.26	12

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W094	Old Cheapside Road	163	0.764		2		X	35,068,545	805.06	12
W095	Baker Road	3001		0.576	2		X	34,663,348	795.76	12
W096	Roeder Ranch Road	342		0.854	2		X	34,466,706	791.25	12
W097	Bramlette Road	244	1.614		2		X	34,115,277	783.18	12
W098	Schlenstedt Road	137	1.866		2		X	33,506,678	769.21	12
W099	Wild Road	159		1.290	2		X	33,115,751	760.23	12
W100	Thiele Road	-	0.243		2		X	32,575,577	747.83	12
W101	Sunday Lane	336	1.528		2		X	32,545,766	747.15	11
W102	VFW Road	303	2.310		2		X	32,141,255	737.86	11
W103	Richter Road	209	1.673		2		X	31,950,773	733.49	11
W104	Whitley Road	236		0.826	2		X	31,578,922	724.95	11
W105	Jackson Road	395		1.753	2		X	30,906,855	709.52	11
W106	Robert Meischen Road	319	0.781		2		X	30,885,490	709.03	11
W107	Morgan Road	-	0.930		2		X	30,878,143	708.86	11
W108	Mueller Road	106	1.680		2		X	30,794,084	706.93	11
W109	Berkenhoff Road	340		0.780	2		X	30,704,793	704.89	11
W110	Ckodre Road	352		1.604	2		X	30,203,460	693.38	11
W111	Rathkamp Lane	225		0.753	2		X	29,354,449	673.89	10
W112	Lincke Road	396		2.264	2		X	29,310,033	672.87	10
W113	Emil Meyer Road	3020		1.216	2		X	28,793,538	661.01	10
W114	Sievert Pit Road	146		1.826	2		X	28,283,362	649.30	10
W115	Westhoff Cemetery Road	136	0.124	1.441	2		X	28,145,393	646.13	10
W116	Heider Road	-		0.180	2		X	27,586,373	633.30	10
W117	Ed Blackwell Road	124	1.358		2		X	26,971,589	619.18	10
W118	Gerdes Road	226	1.580		2		X	26,950,752	618.70	10
W119	Gus Meyer Road	3012		1.776	2		X	26,871,724	616.89	9
W120	Walter Mueller Road	3002		1.461	2		X	26,673,879	612.35	9
W121	A Metting Road	3006		2.073	2		X	26,143,190	600.17	9
W122	Schneider Ranch Road	365		1.681	2		X	26,079,409	598.70	9
W123	Vahalik Road	221	0.461		2		X	25,675,598	589.43	9
W124	Zimmerman Road	117	0.606		2		X	25,234,133	579.30	9
W125	Seidel Road	141		1.408	2		X	25,228,200	579.16	9
W126	Morris School Road	201	1.426		2		X	25,198,627	578.48	9

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W127	Frank Hinojosa Road	355		1.563	2		X	24,454,494	561.40	9
W128	Lockhart Cemetery Road	160	1.935		2		X	22,646,213	519.89	8
W129	Woods Cemetery Road	3478		0.668	2		X	21,576,638	495.33	8
W130	Rosie Dunn Road	153	0.463		2		X	20,835,303	478.31	7
W131	Sam Morris Road	127		0.716	2		X	20,079,701	460.97	7
W132	Schultz Road	304	1.228		2		X	18,882,343	433.48	7
W133	Seiler Road	362		1.036	2		X	18,741,679	430.25	7
W134	Green Cemetery Road	247		0.483	2		X	18,731,709	430.02	7
W135	Schmidt Road	229	1.123		2		X	18,713,093	429.59	7
W136	Nelson Road	222	0.691		2		X	18,560,536	426.09	7
W137	Gerhold Road	289		0.766	2		X	18,039,733	414.14	6
W138	Lackey Ranch Road	343		1.163	2		X	16,904,507	388.07	6
W139	Scheffler Road	325	1.065		2		X	16,661,849	382.50	6
W140	H Harms Road	378		1.000	2		X	16,139,361	370.51	6
W141	Respondek Road	-	1.428		2		X	16,139,273	370.51	6
W142	Allen Lane	204		0.450	2		X	15,956,537	366.31	6
W143	Haase Brothers Road	394		1.051	2		X	15,860,714	364.11	6
W144	City of Hochheim Road	234	0.966		2		X	15,745,115	361.46	6
W145	Plasczyk Road	3016		1.276	2		X	15,625,604	358.71	6
W146	Guilford School Road	-		0.201	2		X	15,530,230	356.53	5
W147	Ben Meischen Road	338		0.747	2		X	14,790,457	339.54	5
W148	Interstate 13 Road	3013		1.010	2		X	14,154,663	324.95	5
W149	Boehm Road	156	1.143		2		X	13,932,316	319.84	5
W150	S. A. Butler Road	322	0.788		2		X	13,870,399	318.42	5
W151	Muschalek Road	347		0.920	2		X	13,761,265	315.92	5
W152	Edmund Mueller Road	359		1.003	2		X	13,565,179	311.41	5
W153	Edna Hattenbach Road	135		0.500	2		X	13,522,440	310.43	5
W154	K Thiele Road	220	1.003		2		X	13,520,724	310.39	5
W155	Willie Blank Road	205	0.667		2		X	12,232,432	280.82	4
W156	Pete Jablonski Road	3465	0.926		2		X	11,834,490	271.68	4
W157	Chaddock Road	131		0.910	2		X	11,426,560	262.32	4
W158	Center School Road	287		0.276	2		X	11,166,399	256.35	4
W159	Blackwell Lane	121	1.223		2		X	10,578,727	242.85	4

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W160	Old San Antonio Road	-	0.980		2		X	9,995,596	229.47	4
W161	Howard Weise Road	335		0.310	2		X	9,689,998	222.45	3
W162	St. John School Road	126	1.064		2		X	9,613,976	220.71	3
W163	Sandy Gate 2 Road	3007		0.807	2		X	9,441,869	216.76	3
W164	Sandy Gate Road	3005		0.831	2		X	9,159,366	210.27	3
W165	McElroy Road	239	1.158		2		X	8,860,125	203.40	3
W166	Johnny Pokluda Road	321	0.677		2		X	8,834,088	202.80	3
W167	Musselman Road	235		0.751	2		X	8,246,294	189.31	3
W168	Ward Road	238		0.163	2		X	8,177,401	187.73	3
W169	Sweet Potato Road	364		0.292	2		X	7,749,111	177.90	3
W170	Blake Road	307		0.380	2		X	6,421,937	147.43	2
W171	Schuenemann Road	379		0.671	2		X	6,025,147	138.32	2
W172	Chilek Road	232	0.646		2		X	4,887,788	112.21	2
W173	Onken Road	375		0.574	2		X	4,834,475	110.98	2
W174	Crestview Road	301	0.543		2		X	4,545,129	104.34	2
W175	Dieringer Road	290		0.176	2		X	4,432,307	101.75	2
W176	Edwin Schroeder Road	390		0.583	2		X	4,056,291	93.12	1
W177	Hells Gate Road	167		0.400	2		X	3,881,135	89.10	1
W178	Buckhorn Road	371		0.146	2		X	3,606,450	82.79	1
W179	Anderson Avenue	-	0.338		2		X	3,169,425	72.76	1
W180	Warzecha Lane	-		0.446	2		X	2,817,317	64.68	1
W181	Bluebonnet Lane	217	1.101		2		X	2,581,249	59.26	1
W182	Mann Road	332	0.174		2		X	2,427,264	55.72	1
W183	Arndt Bypass Road	-		0.236	2		X	1,185,754	27.22	0
W184	Auction Ring Road	171	0.037	0.113	2		X	256,223	5.88	0
W185	6th Street	314	0.674		2	X		-	-	0
W186	7th Street	-	0.130		2	X		-	-	0
W187	8th Street	315	0.681		2	X		-	-	0
W188	8th Street	3462	0.248		2	X		-	-	0
W189	Bunjus Road	-	0.413		2	X		-	-	0
W190	Carter Road	-	0.126		2	X		-	-	0
W191	Cook Road	-	0.318		2	X		-	-	0
W192	Cottonwood Road	-	0.281		2	X		-	-	0

Road Rank	Road Name	County Road Number	Current Surface and Length (miles)		Travel Lanes	Adjacent Land Use ¹		Service Area ²		Well Quantity (Spacing at 65 acre)
			Paved	Improved		Unfavorable	Favorable	Square Feet	Acreage	
W193	Crain Road	-	0.177	0.159	2	X		-	-	0
W194	Elizabeth Street	-	0.161	0.099	2	X		-	-	0
W195	Fay Avenue	-		0.068	2	X		-	-	0
W196	Flato Street	-	0.360		2	X		-	-	0
W197	Hochheim Cemetery Road	-	0.164		2	X		-	-	0
W198	Houston Street	-	0.084		2	X		-	-	0
W199	Isdale Road	216	0.960		2	X		-	-	0
W200	Lane Avenue	-	0.805		2	X		-	-	0
W201	Lee Avenue	-	0.207		2	X		-	-	0
W202	Lynch Road	-	0.260		2	X		-	-	0
W203	Main Street	-		0.138	2	X		-	-	0
W204	Mesquite Lane	-	0.243		2	X		-	-	0
W205	Mockingbird	-	0.227		2	X		-	-	0
W206	Mulberry Road	-	0.620		2	X		-	-	0
W207	Naranjo Road	-		0.245	2	X		-	-	0
W208	Oliver Road	-	0.363		2	X		-	-	0
W209	Petru Road	218	0.130		2	X		-	-	0
W210	Procter Road	-	0.318	0.129	2	X		-	-	0
W211	Railroad Street	-	0.220	0.308	2	X		-	-	0
W212	River Ridge Road	-	0.351		2	X		-	-	0
W213	Schleicher Road	-	0.384		2	X		-	-	0
W214	Van Vleck	-		0.271	2	X		-	-	0
W215	Westside Cemetery Road	316	0.692		2	X		-	-	0
W216	Yorktown Heights	313	0.198		2	X		-	-	0
TOTAL			177.721	164.273		32	183	9,209,182,894	211,413.75	3,253
OVERALL TOTAL			341.994			215				

¹ The usage of an area was determined to be unfavorable if the area consisted of multiple homesites or near cities and townsites, as these areas would likely not support drilling activities, usage of other .

² The service area was not determined for the areas that were deemed residential as oil field drilling activities are not likely to occur in the area.

APPENDIX E



APPENDIX E-1

Equivalent Axle Load Factors (EALF) for Flexible Pavement

$L_{18} = 18.00$ $L_X = \text{Weight (kips)}$
 $L_{A18} = 1.00$ $L_{AX} = 1.00$
 $SN = 1.00$ $P_1 = 2.00$

$$EALF = \left[\left(\frac{L_{18} + L_{A18}}{L_X + L_{AX}} \right)^{4.79} \left(\frac{10^{\frac{G}{B_X}}}{10^{\frac{G}{B_{18}}}} \right) (L_{AX})^{4.33} \right]^{-1}$$

Weight (kips)	EALF	Weight (kips)	EALF	Weight (kips)	EALF
2.00	0.0002	22.50	2.7589	43.00	55.4850
2.50	0.0004	23.00	3.0510	43.50	58.5699
3.00	0.0008	23.50	3.3670	44.00	61.7891
3.50	0.0014	24.00	3.7084	44.50	65.1466
4.00	0.0021	24.50	4.0767	45.00	68.6469
4.50	0.0033	25.00	4.4734	45.50	72.2944
5.00	0.0048	25.50	4.9000	46.00	76.0936
5.50	0.0068	26.00	5.3583	46.50	80.0491
6.00	0.0095	26.50	5.8498	47.00	84.1656
6.50	0.0129	27.00	6.3764	47.50	88.4478
7.00	0.0173	27.50	6.9398	48.00	92.9007
7.50	0.0228	28.00	7.5419	48.50	97.5291
8.00	0.0296	28.50	8.1847	49.00	102.3381
8.50	0.0380	29.00	8.8701	49.50	107.3328
9.00	0.0482	29.50	9.6002	50.00	112.5185
9.50	0.0605	30.00	10.3770	50.50	117.9005
10.00	0.0752	30.50	11.2028	51.00	123.4842
10.50	0.0926	31.00	12.0798	51.50	129.2751
11.00	0.1131	31.50	13.0102	52.00	135.2789
11.50	0.1371	32.00	13.9965	52.50	141.5011
12.00	0.1649	32.50	15.0411	53.00	147.9477
12.50	0.1971	33.00	16.1464	53.50	154.6245
13.00	0.2341	33.50	17.3151	54.00	161.5376
13.50	0.2765	34.00	18.5498	54.50	168.6930
14.00	0.3247	34.50	19.8531	55.00	176.0968
14.50	0.3794	35.00	21.2278	55.50	183.7555
15.00	0.4412	35.50	22.6769	56.00	191.6754
15.50	0.5107	36.00	24.2031	56.50	199.8630
16.00	0.5887	36.50	25.8095	57.00	208.3250
16.50	0.6758	37.00	27.4992	57.50	217.0679
17.00	0.7728	37.50	29.2752	58.00	226.0987
17.50	0.8806	38.00	31.1409	58.50	235.4242
18.00	1.0000	38.50	33.0994	59.00	245.0515
18.50	1.1319	39.00	35.1541	59.50	254.9877
19.00	1.2772	39.50	37.3085	60.00	265.2400
19.50	1.4369	40.00	39.5660	60.50	275.8158
20.00	1.6121	40.50	41.9304	61.00	286.7225
20.50	1.8038	41.00	44.4052	61.50	297.9677
21.00	2.0132	41.50	46.9941	62.00	309.5591
21.50	2.2413	42.00	49.7012	62.50	321.5044
22.00	2.4895	42.50	52.5301	63.00	333.8115

Single Axle

APPENDIX E-2

Equivalent Axle Load Factors (EALF) for Flexible Pavement

$L_{18} = 18.00$ $L_X = \text{Weight (kips)}$
 $L_{A18} = 1.00$ $L_{AX} = 2.00$
 $SN = 1.00$ $P_t = 2.00$

$$EALF = \left[\left(\frac{L_{18} + L_{A18}}{L_X + L_{AX}} \right)^{4.79} \left(\frac{10^{\frac{G}{B_X}}}{10^{\frac{G}{B_{18}}}} \right) (L_{AX})^{4.33} \right]^{-1}$$

Weight (kips)	EALF
2.00	0.0000
2.50	0.0001
3.00	0.0001
3.50	0.0002
4.00	0.0003
4.50	0.0004
5.00	0.0006
5.50	0.0008
6.00	0.0011
6.50	0.0014
7.00	0.0019
7.50	0.0024
8.00	0.0029
8.50	0.0036
9.00	0.0045
9.50	0.0054
10.00	0.0066
10.50	0.0079
11.00	0.0093
11.50	0.0111
12.00	0.0130
12.50	0.0152
13.00	0.0177
13.50	0.0206
14.00	0.0238
14.50	0.0273
15.00	0.0313
15.50	0.0358
16.00	0.0407
16.50	0.0462
17.00	0.0523
17.50	0.0590
18.00	0.0663
18.50	0.0744
19.00	0.0832
19.50	0.0929
20.00	0.1034
20.50	0.1149
21.00	0.1274
21.50	0.1409
22.00	0.1556

Weight (kips)	EALF
22.50	0.1714
23.00	0.1886
23.50	0.2070
24.00	0.2269
24.50	0.2482
25.00	0.2712
25.50	0.2957
26.00	0.3221
26.50	0.3502
27.00	0.3803
27.50	0.4124
28.00	0.4467
28.50	0.4831
29.00	0.5219
29.50	0.5631
30.00	0.6069
30.50	0.6533
31.00	0.7025
31.50	0.7546
32.00	0.8097
32.50	0.8680
33.00	0.9295
33.50	0.9945
34.00	1.0630
34.50	1.1353
35.00	1.2113
35.50	1.2914
36.00	1.3755
36.50	1.4640
37.00	1.5570
37.50	1.6545
38.00	1.7569
38.50	1.8641
39.00	1.9766
39.50	2.0943
40.00	2.2175
40.50	2.3465
41.00	2.4812
41.50	2.6221
42.00	2.7692
42.50	2.9228

Weight (kips)	EALF
43.00	3.0830
43.50	3.2501
44.00	3.4244
44.50	3.6059
45.00	3.7950
45.50	3.9919
46.00	4.1968
46.50	4.4099
47.00	4.6315
47.50	4.8618
48.00	5.1011
48.50	5.3496
49.00	5.6077
49.50	5.8755
50.00	6.1533
50.50	6.4415
51.00	6.7402
51.50	7.0498
52.00	7.3705
52.50	7.7027
53.00	8.0466
53.50	8.4026
54.00	8.7709
54.50	9.1520
55.00	9.5460
55.50	9.9533
56.00	10.3742
56.50	10.8092
57.00	11.2584
57.50	11.7223
58.00	12.2012
58.50	12.6954
59.00	13.2054
59.50	13.7315
60.00	14.2740
60.50	14.8334
61.00	15.4099
61.50	16.0041
62.00	16.6162
62.50	17.2468
63.00	17.8961

Tandem Axle

APPENDIX E-3

Equivalent Axle Load Factors (EALF) for Flexible Pavement

$L_{18} = 18.00$ $L_X = \text{Weight (kips)}$
 $L_{A18} = 1.00$ $L_{AX} = 3.00$
 $SN = 1.00$ $P_t = 2.00$

$$EALF = \left[\left(\frac{L_{18} + L_{A18}}{L_X + L_{AX}} \right)^{4.79} \left(\frac{10^{\frac{G}{E_X}}}{10^{\frac{G}{E_{18}}}} \right) (L_{AX})^{4.33} \right]^{-1}$$

Weight (kips)	EALF	Weight (kips)	EALF	Weight (kips)	EALF
22.50	0.0378	43.00	0.5974	63.50	3.4595
23.00	0.0413	43.50	0.6289	64.00	3.5855
23.50	0.0450	44.00	0.6617	64.50	3.7152
24.00	0.0491	44.50	0.6958	65.00	3.8485
24.50	0.0534	45.00	0.7313	65.50	3.9856
25.00	0.0581	45.50	0.7682	66.00	4.1265
25.50	0.0630	46.00	0.8066	66.50	4.2714
26.00	0.0683	46.50	0.8465	67.00	4.4202
26.50	0.0739	47.00	0.8880	67.50	4.5732
27.00	0.0799	47.50	0.9311	68.00	4.7302
27.50	0.0863	48.00	0.9758	68.50	4.8916
28.00	0.0931	48.50	1.0221	69.00	5.0573
28.50	0.1003	49.00	1.0702	69.50	5.2273
29.00	0.1079	49.50	1.1201	70.00	5.4019
29.50	0.1161	50.00	1.1719	70.50	5.5811
30.00	0.1246	50.50	1.2255	71.00	5.7650
30.50	0.1337	51.00	1.2810	71.50	5.9536
31.00	0.1434	51.50	1.3385	72.00	6.1470
31.50	0.1535	52.00	1.3981	72.50	6.3455
32.00	0.1642	52.50	1.4597	73.00	6.5489
32.50	0.1756	53.00	1.5234	73.50	6.7575
33.00	0.1875	53.50	1.5894	74.00	6.9713
33.50	0.2001	54.00	1.6576	74.50	7.1904
34.00	0.2133	54.50	1.7281	75.00	7.4150
34.50	0.2272	55.00	1.8009	75.50	7.6451
35.00	0.2419	55.50	1.8762	76.00	7.8808
35.50	0.2572	56.00	1.9539	76.50	8.1222
36.00	0.2734	56.50	2.0342	77.00	8.3694
36.50	0.2903	57.00	2.1171	77.50	8.6226
37.00	0.3081	57.50	2.2026	78.00	8.8818
37.50	0.3268	58.00	2.2908	78.50	9.1471
38.00	0.3463	58.50	2.3819	79.00	9.4186
38.50	0.3667	59.00	2.4757	79.50	9.6965
39.00	0.3881	59.50	2.5725	80.00	9.9809
39.50	0.4105	60.00	2.6722	80.50	10.2718
40.00	0.4339	60.50	2.7750	81.00	10.5694
40.50	0.4583	61.00	2.8809	81.50	10.8737
41.00	0.4838	61.50	2.9900	82.00	11.1850
41.50	0.5105	62.00	3.1023	82.50	11.5033
42.00	0.5383	62.50	3.2180	83.00	11.8287
42.50	0.5672	63.00	3.3370	83.50	12.1613

Tri-Axle

APPENDIX E-4

Equivalent Axle Load Factors (EALF) for Flexible Pavement

$L_{18} = 18.00$ $L_X = \text{Weight (kips)}$
 $L_{A18} = 1.00$ $L_{AX} = 4.00$
 $SN = 1.00$ $P_t = 2.00$

$$EALF = \left[\left(\frac{L_{18} + L_{A18}}{L_X + L_{AX}} \right)^{4.79} \left(\frac{10^{\frac{G}{B_X}}}{10^{\frac{G}{B_{18}}}} \right) (L_{AX})^{4.33} \right]^{-1}$$

Weight (kips)	EALF	Weight (kips)	EALF	Weight (kips)	EALF
43.00	0.1938	63.50	1.0754	84.00	3.8091
43.50	0.2037	64.00	1.1138	84.50	3.9136
44.00	0.2140	64.50	1.1533	85.00	4.0204
44.50	0.2247	65.00	1.1940	85.50	4.1294
45.00	0.2358	65.50	1.2357	86.00	4.2408
45.50	0.2474	66.00	1.2786	86.50	4.3546
46.00	0.2594	66.50	1.3227	87.00	4.4707
46.50	0.2718	67.00	1.3680	87.50	4.5893
47.00	0.2847	67.50	1.4145	88.00	4.7104
47.50	0.2982	68.00	1.4623	88.50	4.8340
48.00	0.3121	68.50	1.5113	89.00	4.9601
48.50	0.3265	69.00	1.5616	89.50	5.0888
49.00	0.3414	69.50	1.6132	90.00	5.2202
49.50	0.3569	70.00	1.6662	90.50	5.3542
50.00	0.3730	70.50	1.7206	91.00	5.4910
50.50	0.3896	71.00	1.7763	91.50	5.6305
51.00	0.4068	71.50	1.8335	92.00	5.7728
51.50	0.4246	72.00	1.8921	92.50	5.9179
52.00	0.4430	72.50	1.9522	93.00	6.0660
52.50	0.4621	73.00	2.0138	93.50	6.2169
53.00	0.4818	73.50	2.0770	94.00	6.3708
53.50	0.5021	74.00	2.1417	94.50	6.5277
54.00	0.5232	74.50	2.2079	95.00	6.6876
54.50	0.5449	75.00	2.2759	95.50	6.8506
55.00	0.5673	75.50	2.3454	96.00	7.0168
55.50	0.5905	76.00	2.4166	96.50	7.1861
56.00	0.6144	76.50	2.4896	97.00	7.3587
56.50	0.6391	77.00	2.5642	97.50	7.5345
57.00	0.6646	77.50	2.6406	98.00	7.7136
57.50	0.6908	78.00	2.7189	98.50	7.8961
58.00	0.7179	78.50	2.7989	99.00	8.0820
58.50	0.7458	79.00	2.8808	99.50	8.2713
59.00	0.7746	79.50	2.9646	100.00	8.4641
59.50	0.8042	80.00	3.0503	100.50	8.6605
60.00	0.8348	80.50	3.1380	101.00	8.8605
60.50	0.8663	81.00	3.2277	101.50	9.0641
61.00	0.8986	81.50	3.3193	102.00	9.2714
61.50	0.9320	82.00	3.4130	102.50	9.4824
62.00	0.9663	82.50	3.5089	103.00	9.6972
62.50	1.0016	83.00	3.6068	103.50	9.9159
63.00	1.0380	83.50	3.7069	104.00	10.1384

Quad-Axle

APPENDIX E-5

EQUIVALENT AXLE LOAD FACTORS (EALF) FOR FLEXIBLE PAVEMENT

$L_{18} = 18.00$ $L_X = \text{Weight (kips)}$
 $L_{A18} = 1.00$ $L_{AX} = 5.00$
 $SN = 1.00$ $P_i = 2.00$

$$EALF = \left[\left(\frac{L_{18} + L_{A18}}{L_X + L_{AX}} \right)^{4.79} \left(\frac{10^{\frac{G}{E_X}}}{10^{\frac{G}{E_{18}}}} \right) (L_{AX})^{4.33} \right]^{-1}$$

Weight (kips)	EALF
43.00	0.0837
43.50	0.0878
44.00	0.0920
44.50	0.0965
45.00	0.1011
45.50	0.1059
46.00	0.1108
46.50	0.1160
47.00	0.1213
47.50	0.1269
48.00	0.1326
48.50	0.1385
49.00	0.1447
49.50	0.1511
50.00	0.1577
50.50	0.1645
51.00	0.1715
51.50	0.1788
52.00	0.1864
52.50	0.1942
53.00	0.2022
53.50	0.2105
54.00	0.2191
54.50	0.2280
55.00	0.2371
55.50	0.2466
56.00	0.2563
56.50	0.2664
57.00	0.2767
57.50	0.2874
58.00	0.2984
58.50	0.3097
59.00	0.3214
59.50	0.3334
60.00	0.3458
60.50	0.3585
61.00	0.3717
61.50	0.3852
62.00	0.3990
62.50	0.4133
63.00	0.4280

Weight (kips)	EALF
63.50	0.4431
64.00	0.4586
64.50	0.4745
65.00	0.4909
65.50	0.5077
66.00	0.5250
66.50	0.5428
67.00	0.5610
67.50	0.5797
68.00	0.5989
68.50	0.6186
69.00	0.6388
69.50	0.6596
70.00	0.6808
70.50	0.7026
71.00	0.7250
71.50	0.7479
72.00	0.7714
72.50	0.7955
73.00	0.8202
73.50	0.8455
74.00	0.8714
74.50	0.8979
75.00	0.9250
75.50	0.9528
76.00	0.9813
76.50	1.0104
77.00	1.0403
77.50	1.0708
78.00	1.1020
78.50	1.1339
79.00	1.1666
79.50	1.2000
80.00	1.2342
80.50	1.2692
81.00	1.3049
81.50	1.3414
82.00	1.3787
82.50	1.4169
83.00	1.4558
83.50	1.4956

Weight (kips)	EALF
84.00	1.5363
84.50	1.5779
85.00	1.6203
85.50	1.6637
86.00	1.7079
86.50	1.7531
87.00	1.7992
87.50	1.8463
88.00	1.8944
88.50	1.9434
89.00	1.9935
89.50	2.0446
90.00	2.0967
90.50	2.1498
91.00	2.2040
91.50	2.2593
92.00	2.3157
92.50	2.3732
93.00	2.4318
93.50	2.4916
94.00	2.5525
94.50	2.6146
95.00	2.6779
95.50	2.7424
96.00	2.8081
96.50	2.8750
97.00	2.9433
97.50	3.0128
98.00	3.0836
98.50	3.1557
99.00	3.2291
99.50	3.3039
100.00	3.3801
100.50	3.4576
101.00	3.5366
101.50	3.6169
102.00	3.6987
102.50	3.7820
103.00	3.8667
103.50	3.9530
104.00	4.0407

Quint-Axle

APPENDIX F



APPENDIX F
Equivalent Single Axle Loads per Well Phase
Development Phase

Single Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Single Axles														Total EALF's		
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5			
> 3,000	2,000	0.0002	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01
3,000 to 6,999	5,000	0.0048	331	33	4	13	605	7	64	4	0	0	0	0	0	0	0	0	5.09
7,000 to 7,999	7,500	0.0228	47	10	3	11	45	7	64	4	0	0	0	0	0	0	0	0	4.35
8,000 to 11,999	10,000	0.0752	57	101	12	65	1,161	9	98	6	0	0	0	0	0	0	0	0	113.48
12,000 to 15,999	14,000	0.3247	21	20	7	20	20	7	64	4	12	20	6	2	0	12	0	0	69.81
16,000 to 18,000	17,000	0.7728	16	2	4	11	0	0	0	0	0	0	0	0	0	0	0	0	25.50
18,001 to 18,500	18,000	1.0000	5	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	8.00
18,501 to 20,000	19,000	1.2772	5	0	1	9	0	0	0	0	0	0	0	0	0	0	0	0	19.16
20,001 to 21,999	21,000	2.0132	5	0	1	4	0	0	0	0	0	0	0	0	14	0	0	0	48.32
22,000 to 23,999	23,000	3.0510	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	21.36
24,000 to 25,999	25,000	4.4734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26,000 to 29,999	27,000	6.3764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																		315.08	

Tandem Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Tandem Axles														Total EALF's		
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5			
> 6,000	4,000	0.0003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6,000 to 11,999	9,000	0.0045	0	30	0	11	1,339	0	0	0	0	0	0	0	0	0	0	0	6.21
12,000 to 17,999	15,000	0.0313	0	35	0	25	207	0	48	12	0	0	0	0	0	0	0	0	10.24
18,000 to 23,999	21,000	0.1274	0	25	0	21	168	0	0	0	0	0	0	0	0	0	0	0	27.26
24,000 to 29,999	27,000	0.3803	0	20	0	9	246	0	97	24	0	0	0	0	0	0	0	0	150.60
30,000 to 32,000	31,000	0.7025	0	8	0	1	129	0	0	0	0	0	0	0	0	0	0	0	96.95
32,001 to 32,500	32,000	0.8097	0	5	0	1	1,223	0	0	0	0	0	0	0	0	0	0	0	995.12
32,501 to 33,999	33,000	0.9295	0	2	0	2	91	0	0	0	0	0	0	0	0	0	0	0	88.30
34,000 to 35,999	35,000	1.2113	0	17	0	0	116	0	0	0	0	0	0	0	0	0	0	0	161.10
36,000 to 37,999	37,000	1.5570	0	8	0	0	65	0	0	0	0	8	0	0	0	0	0	0	126.12
38,000 to 39,999	39,000	1.9766	0	5	0	0	39	0	0	0	12	0	0	0	0	0	0	0	110.69
40,000 to 41,999	41,000	2.4812	0	3	0	1	26	0	0	0	0	12	6	0	0	0	0	0	119.10
42,000 to 43,999	43,000	3.0830	0	3	0	0	13	0	0	0	0	0	0	0	0	0	0	0	49.33
44,000 to 45,999	45,000	3.7950	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.39
46,000 to 49,999	48,000	5.1011	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.20
50,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																		1,962.60	

Tri-Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Tri-Axles														Total EALF's		
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5			
> 44,000	42,000	0.1246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
44,000 to 47,999	46,000	0.8066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
48,000 to 51,999	50,000	1.1719	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
52,000 to 55,999	54,000	1.6576	0	0	0	0	0	0	0	0	12	0	0	4	14	12	0	0	69.62
56,000 to 59,999	58,000	2.2908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
60,000 to 63,999	62,000	3.1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
64,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																		69.62	

Quad-Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Quad-Axles														Total EALF's		
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5			
> 58,000	56,000	0.6144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
58,000 to 61,999	60,000	0.8348	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
62,000 to 65,999	64,000	1.1138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
66,000 to 69,999	68,000	1.4623	0	0	0	0	0	0	0	0	0	20	0	0	14	0	0	0	49.72
70,000 to 73,999	72,000	1.8921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
74,000 to 77,999	76,000	2.4166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
78,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																		49.72	

Quint-Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Quint-Axles														Total EALF's		
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5			
> 68,000	64,000	0.4586	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
68,000 to 73,999	70,000	0.6808	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	8.17
72,000 to 75,999	74,000	0.8714	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
76,000 to 79,999	78,000	1.1020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
80,000 to 83,999	82,000	1.3787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
84,000 to 87,999	86,000	1.7079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	20.49
88,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																		28.66	

Total EALF's per Well Phase During Development Phase: 2,425.68

Total EALF's per Well Phase to be Used During Well Development Phase: 2,430.00

APPENDIX F
Equivalent Single Axle Loads per Well Phase
Annual Production Phase

Single Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Single Axles														Total EALF's	
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5		
> 3,000	2,000	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3,000 to 6,999	5,000	0.0048	0	0	0	0	730	0	0	0	0	0	0	0	0	0	0	3.50
7,000 to 7,999	7,500	0.0228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8,000 to 11,999	10,000	0.0752	0	0	0	0	730	0	0	0	0	0	0	0	0	0	0	54.90
12,000 to 15,999	14,000	0.3247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16,000 to 18,000	17,000	0.7728	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18,001 to 18,500	18,000	1.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18,501 to 20,000	19,000	1.2772	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20,001 to 21,999	21,000	2.0132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22,000 to 23,999	23,000	3.0510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24,000 to 25,999	25,000	4.4734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26,000 to 29,999	27,000	6.3764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																	58.40	

Tandem Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Tandem Axles														Total EALF's	
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5		
> 6,000	4,000	0.0003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6,000 to 11,999	9,000	0.0045	0	0	0	0	1,460	0	0	0	0	0	0	0	0	0	0	6.57
12,000 to 17,999	15,000	0.0313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18,000 to 23,999	21,000	0.1274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24,000 to 29,999	27,000	0.3803	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30,000 to 32,000	31,000	0.7025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32,001 to 32,500	32,000	0.8097	0	0	0	0	1,460	0	0	0	0	0	0	0	0	0	0	1,182.16
32,501 to 33,999	33,000	0.9295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34,000 to 35,999	35,000	1.2113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
36,000 to 37,999	37,000	1.5570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
38,000 to 39,999	39,000	1.9766	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
40,000 to 41,999	41,000	2.4812	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
42,000 to 43,999	43,000	3.0830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
44,000 to 45,999	45,000	3.7950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
46,000 to 49,999	48,000	5.1011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
50,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																	1,188.73	

Tri-Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Tri-Axles														Total EALF's	
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5		
> 44,000	42,000	0.1246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
44,000 to 47,999	46,000	0.8066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
48,000 to 51,999	50,000	1.1719	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
52,000 to 55,999	54,000	1.6576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
56,000 to 59,999	58,000	2.2908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
60,000 to 63,999	62,000	3.1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
64,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																	0.00	

Quad-Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Quad-Axles														Total EALF's	
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5		
> 58,000	56,000	0.6144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
58,000 to 61,999	60,000	0.8348	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
62,000 to 65,999	64,000	1.1138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
66,000 to 69,999	68,000	1.4623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
70,000 to 73,999	72,000	1.8921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
74,000 to 77,999	76,000	2.4166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
78,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																	0.00	

Quint-Axle

Total Axle Load (pounds)	Representative Axle Load	Equivalency Factor	Estimated Number of Quint-Axles														Total EALF's	
			SU-1	SU-2	2-S1	2-S2	3-S2	2-1	2-2	3-2	3-3	3-4	3-5	4-3	4-4	4-5		
> 68,000	64,000	0.4586	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
68,000 to 73,999	70,000	0.6808	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
72,000 to 75,999	74,000	0.8714	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
76,000 to 79,999	78,000	1.1020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
80,000 to 83,999	82,000	1.3787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
84,000 to 87,999	86,000	1.7079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
80,000 +	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Subtotal Total:																	0.00	

Total EALF's per Well Phase During Annual Production Phase: 1,247.13

Total EALF's per Well Phase to be Used During Annual Production Phase: 1,250.00

APPENDIX G



APPENDIX G 20-Year Projection of EALF Demand

	Normal EALF Demand	Well EALF Demand																			Annual EALF Demand	Cumulative EALF Demand	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			20
Year 1	500	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,930	2,930	
Year 2	500	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,180	7,110	
Year 3	500	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,430	12,540	
Year 4	500	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,680	19,220	
Year 5	500	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,930	27,150	
Year 6	500	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	-	-	9,180	36,330	
Year 7	500	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	-	10,430	46,760	
Year 8	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	-	11,680	58,440	
Year 9	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	-	12,930	71,370	
Year 10	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	-	14,180	85,550	
Year 11	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	-	15,430	100,980	
Year 12	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	-	16,680	117,660	
Year 13	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	-	17,930	135,590	
Year 14	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	-	19,180	154,770	
Year 15	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	-	20,430	175,200	
Year 16	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	-	21,680	196,880	
Year 17	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	-	22,930	219,810	
Year 18	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	24,180	243,990	
Year 19	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	-	25,430	269,420
Year 20	500	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	2,430	26,680	296,100	

APPENDIX H



APPENDIX H
Proposed Road Classification
for the Eagle Ford Shale Play
West of US Highway 77A and West of State Highway 72

Road Rank	Road Name	County Road Number	Road Type Classification *		
			A	B	C
W001	Bellevue Cemetery Road	147			X
W002	Cheapside Road	148			X
W003	Smith Ranch Road	122			X
W004	Catholic Church Lane	138			X
W005	Cabeza Highway	324			X
W006	C W Gabler Road	345			X
W007	Hartman Road	130			X
W008	Garfield Road	317			X
W009	Dubose Ranch Road	399			X
W010	Boldt Road	129			X
W011	Rogge-Seifert Road	358			X
W012	Concrete & Edgar Road	242			X
W013	Jaeger Road	3011			X
W014	McCurdy Road	154			X
W016	Braden Road	168			X
W015	Biemer Road	463			X
W017	Metting School Road	3464			X
W018	Barnhart Ranch Road	165		X	
W019	Ryan Ranch Road	376			X
W020	Simecek Road	392			X
W021	Kubala Store Road	397			X
W022	Hilbrich Road	145		X	
W023	Lindenau Road	157		X	
W024	Schendel Road	350		X	
W025	Salt Creek Cemetery Road	3014			X
W026	Kozelski Road	112		X	
W027	Elder Road	116		X	
W028	A. Hahn Road	144		X	
W029	Stanley Dworaczyk Road	339		X	
W030	Alfred Blaschke Road	374			X
W031	Cottonpatch Road	341		X	
W032	Dagg Road	219			X
W033	Simpson Ranch Road	323			X

Road Rank	Road Name	County Road Number	Road Type Classification *		
			A	B	C
W109	Berkenhoff Road	340		X	
W110	Ckodre Road	352		X	
W111	Rathkamp Lane	225		X	
W112	Lincke Road	396		X	
W113	Emil Meyer Road	3020		X	
W114	Sievert Pit Road	146		X	
W115	Westhoff Cemetery Road	136		X	
W116	Heider Road	-		X	
W117	Ed Blackwell Road	124		X	
W118	Gerdes Road	226		X	
W119	Gus Meyer Road	3012		X	
W120	Walter Mueller Road	3002		X	
W121	A Metting Road	3006		X	
W122	Schneider Ranch Road	365		X	
W123	Vahalik Road	221		X	
W124	Zimmerman Road	117		X	
W125	Seidel Road	141		X	
W126	Morris School Road	201		X	
W127	Frank Hinojosa Road	355		X	
W128	Lockhart Cemetery Road	160		X	
W129	Woods Cemetery Road	3478		X	
W130	Rosie Dunn Road	153		X	
W131	Sam Morris Road	127		X	
W132	Schultz Road	304		X	
W133	Seiler Road	362		X	
W134	Green Cemetery Road	247		X	
W135	Schmidt Road	229		X	
W136	Nelson Road	222		X	
W137	Gerhold Road	289		X	
W138	Lackey Ranch Road	343	X		
W139	Scheffler Road	325	X		
W140	H Harms Road	378	X		
W141	Respondek Road	-	X		

Road Rank	Road Name	County Road Number	Road Type Classification *		
			A	B	C
W034	Lackey Lane	125		X	
W035	Spies Road	388		X	
W036	Morris Community Road	200			X
W037	George Klein Road	344		X	
W038	Pargmann Road	203		X	
W039	Old Gonzales Road	108		X	
W040	Brown Road	245		X	
W041	Arndt Road	139		X	
W042	Herman Road	237		X	
W043	Hannessee	246		X	
W044	Dreyer-Turkey Bottom Road	230		X	
W045	Wofford Lane	162		X	
W046	Hrabovsky Road	215		X	
W047	Gruenau Road	305		X	
W048	E. Swartz Road	3457		X	
W049	Gohlke School Road	393		X	
W050	Hattenbach Road	3009		X	
W051	Von Haefen Road	119		X	
W052	Emil Blank Road	205		X	
W053	Old Davy Road	3015		X	
W054	Immenhauser Road	207		X	
W055	Schulle Road	143		X	
W056	Lone Tree Road	224		X	
W057	Hy Koopmann Road	3019		X	
W058	Martinez Road	227		X	
W059	Noe Hinojosa Road	351		X	
W060	Robert Meischen Road	346		X	
W061	Frels Road	241		X	
W062	Coskey Ranch Road	377		X	
W063	Williams Road	-		X	
W064	Frank Kozielski Road	318		X	
W065	Bootlegger Road	202		X	
W066	Wischkaemper Road	3010		X	
W067	Scheffler Road	357		X	
W068	Czaja Bros Road	3018		X	
W069	Romeo Korth Road	349		X	
W070	Wuench Road	389		X	
W071	Matejek Road	398		X	
W072	Nathan Mueller Road	337		X	
W073	Nolte-Boehl Road	132		X	

Road Rank	Road Name	County Road Number	Road Type Classification *		
			A	B	C
W142	Allen Lane	204	X		
W143	Haase Brothers Road	394	X		
W144	City of Hochheim Road	234	X		
W145	Plasczyk Road	3016	X		
W146	Guilford School Road	-	X		
W147	Ben Meischen Road	338	X		
W148	Interstate 13 Road	3013	X		
W149	Boehm Road	156	X		
W150	S. A. Butler Road	322	X		
W151	Muschalek Road	347	X		
W152	Edmund Mueller Road	359	X		
W153	Edna Hattenbach Road	135	X		
W154	K Thiele Road	220	X		
W155	Willie Blank Road	205	X		
W156	Pete Jablonski Road	3465	X		
W157	Chaddock Road	131	X		
W158	Center School Road	287	X		
W159	Blackwell Lane	121	X		
W160	Old San Antonio Road	-	X		
W161	Howard Weise Road	335	X		
W162	St. John School Road	126	X		
W163	Sandy Gate 2 Road	3007	X		
W164	Sandy Gate Road	3005	X		
W165	McElroy Road	239	X		
W166	Johnny Pokluda Road	321	X		
W167	Musselman Road	235	X		
W168	Ward Road	238	X		
W169	Sweet Potato Road	364	X		
W170	Blake Road	307	X		
W171	Schuenemann Road	379	X		
W172	Chilek Road	232	X		
W173	Onken Road	375	X		
W174	Crestview Road	301	X		
W175	Dieringer Road	290	X		
W176	Edwin Schroeder Road	390	X		
W177	Hells Gate Road	167	X		
W178	Buckhorn Road	371	X		
W179	Anderson Avenue	-	X		
W180	Warzecha Lane	-	X		
W181	Bluebonnet Lane	217	X		

Road Rank	Road Name	County Road Number	Road Type Classification *		
			A	B	C
W074	Hules Road	208		X	
W075	Herder Road	212		X	
W076	Stanchos Road	391		X	
W077	Meyer Road	142		X	
W078	Little McGehee Road	243		X	
W079	Henry Blank Road	231		X	
W080	Hoehne Road	166		X	
W081	Leo Nelson Road	3017		X	
W082	Larry Vasbinder Road	320		X	
W083	Rothkamp & Dreyer Road	223		X	
W084	Elroyce Helmers Road	356		X	
W085	Bill Lemke Road	334		X	
W086	Steen Road	155		X	
W087	Shows Brothers Road	353		X	
W088	Nessel Road	164		X	
W089	Sinclair Road	158		X	
W090	Thieme Road	360		X	
W091	Maron Road	361		X	
W092	Davy Road	-		X	
W093	Harvey Hahn Road	3041		X	
W094	Old Cheapside Road	163		X	
W095	Baker Road	3001		X	
W096	Roeder Ranch Road	342		X	
W097	Bramlette Road	244		X	
W098	Schlenstedt Road	137		X	
W099	Wild Road	159		X	
W100	Thiele Road	-		X	
W101	Sunday Lane	336		X	
W102	VFW Road	303		X	
W103	Richter Road	209		X	
W104	Whitley Road	236		X	
W105	Jackson Road	395		X	
W106	Robert Meischen Road	319		X	
W107	Morgan Road	-		X	
W108	Mueller Road	106		X	

Road Rank	Road Name	County Road Number	Road Type Classification *		
			A	B	C
W182	Mann Road	332	X		
W183	Arndt Bypass Road	-	X		
W184	Auction Ring Road	171	X		
W185	6th Street	314	X		
W186	7th Street	-	X		
W187	8th Street	315	X		
W188	8th Street	3462	X		
W189	Bunjus Road	-	X		
W190	Carter Road	-	X		
W191	Cook Road	-	X		
W192	Cottonwood Road	-	X		
W193	Crain Road	-	X		
W194	Elizabeth Street	-	X		
W195	Fay Avenue	-	X		
W196	Flato Street	-	X		
W197	Hochheim Cemetery Road	-	X		
W198	Houston Street	-	X		
W199	Isdale Road	216	X		
W200	Lane Avenue	-	X		
W201	Lee Avenue	-	X		
W202	Lynch Road	-	X		
W203	Main Street	-	X		
W204	Mesquite Lane	-	X		
W205	Mockingbird	-	X		
W206	Mulberry Road	-	X		
W207	Naranjo Road	-	X		
W208	Oliver Road	-	X		
W209	Petru Road	218	X		
W210	Procter Road	-	X		
W211	Railroad Street	-	X		
W212	River Ridge Road	-	X		
W213	Schleicher Road	-	X		
W214	Van Vleck	-	X		
W215	Westside Cemetery Road	316	X		
W216	Yorktown Heights	313	X		

* The classification is a recommendation and a traffic study and further analysis of the traffic should be completed prior to final design.

SUPPLEMENTAL APPENDIX 1



**Supplemental Appendix 1
Rig-Up and Rig-Down Information from the Texas Department of Motor Vehicles Data**

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	
FUEL TANK	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
FLOOR HOUSE	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	4'	17,077	4'	17,077	4'	17,077							4.4424
GENERATOR	EALF	16'	85'	13'	118,700	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
B.O.P. HANDLER	EALF	16'	85'	13'	118,700	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
SUBSTRUCTURE	EALF	16'	95'	13'	153,685	14,300 0.3567	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
MUD PUMP	EALF	16'	85'	13'	153,685	14,300 0.3567	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
MUD TANK	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
MUD PUMP	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
MUD TANK	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
MCC HOUSE	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
GENERATOR	EALF	16'	85'	13'	128,960	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834
TRIP TANK	EALF	16'	85'	13'	128,960	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834
GAS COMPRESSOR	EALF	13'6"	105'	12'10"	187,700	14,300 0.3567	19'	23,000 4.1968	4'	23,000	14'	23,000	4'	23,000	40'	16,280	4'	16,280	4'	16,280	5'	16,280	4'	16,280	10.0843
UTILITY SKID	EALF	16'	85'	13'	153,685	14,300 0.3567	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
CENTER SUBSTRUCTURE	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
BUNK HOUSE	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
CREW HOUSE	EALF	16'	95'	14'	153,685	14,300 0.3567	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
SUBSTRUCTURE	EALF	16'	95'	13'	153,685	14,300 0.3567	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
B.O.P. HANDLER	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
H.P.U. UNIT	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
RAMP	EALF	14'	85'	14'	143,108	20,800 1.9272	14'	18,000 1.6576	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
SHELL SHAKER	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
DERRICK	EALF	16'	95'	15'	124,008	14,300 0.3567	17'	20,700 2.5934	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
Total					3,178,149																			105.526769	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total
																								EALF
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					2.1276
					0.1971		1.0972				0.8332													
DERRICK	EALF	16'	85'	15'	122,300	14,300	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000							3.6719
					0.3567		1.6576				1.6576													
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					2.1276
					0.1971		1.0972				0.8332													
FUEL TANK	EALF	15'	85'	10'	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
					0.3567		2.5934				1.4923													
BUNKHOUSE	EALF	15'	85'	13'11"	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
					0.3567		2.5934				1.4923													
GENERATOR	EALF	16'	85'	13'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567		2.5934				1.0380													
SHAKER SKID	EALF	16'	85'	14'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567		2.5934				1.0380													
GENERATOR	EALF	16'	85'	13'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567		2.5934				1.0380													
KOOMEY UNIT	EALF	15'	85'	12'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567		2.5934				1.0380													
GENERATOR	EALF	16'	85'	12'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567		2.5934				1.0380													
RAMP	EALF	14'	85'	14'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567		2.5934				1.0380													
SCR HOUSE	EALF	16'	85'	12'	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
					0.3567		2.5934				1.4923													
FLOOR HOUSE	EALF	16'	85'	14'	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
					0.3567		2.5934				1.4923													
MUD TANK	EALF	16'	85'	14'	128,960	14,300	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834
					0.3567		2.5934				0.8332													
SUBSTRUCTURE	EALF	16'	85'	14'	128,960	14,300	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834
					0.3567		2.5934				0.8332													
MUD TANK	EALF	16'	85'	13'11"	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
					1.9272		1.6576				1.4923													
MUD PUMP	EALF	16'	85'	13'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
					0.3567		1.6576				1.6536													
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
					0.3567		1.6576				1.6536													
MUD PUMP	EALF	16'	85'	13'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
					0.3567		1.6576				1.6536													
CREW HOUSE	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
					0.3567		1.6576				1.6536													
WATER TANK	EALF	16'	85'	13'	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
					1.9272		1.6576				1.4923													
HPU UNIT	EALF	16'	85'	12'	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771
					1.9272		1.6576				1.4923													
TRIP TANK	EALF	16'	85'	13'	131,300	14,300	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750							3.0523
					0.3567		1.6576				1.0380													
DRAWORK	EALF	16'	85'	14'	122,300	14,300	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000							3.6719
					0.3567		1.6576				1.6576													
Total					3,126,116																			93.8197047

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		14,652		14,652	2.1276
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		14,652		14,652	2.1276
DERRICK	EALF	16'	95'	15'	122,300	14,300	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000							3.6719
FUEL TANK	EALF	16'	85'	12'	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
GENERATOR	EALF	16'	85'	13'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
GENERATOR	EALF	16'	85'	12'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
GENERATOR	EALF	16'	85'	13'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
SCR HOUSE	EALF	16'	85'	14'	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077		17,077	5.0771
MUD TANK	EALF	16'	85'	14'	128,960	14,300	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834
MUD TANK	EALF	16'	85'	14'	128,960	14,300	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834
MUD PUMP	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
MUD PUMP	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
WATER TANK	EALF	16'	85'	13'	131,300	14,300	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750		15,750		15,750	3.0523
SHAKER SKID	EALF	16'	85'	14'	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077		17,077	5.0771
TRIP TANK	EALF	16'	85'	14'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
CENTER SUBSTRUCTURE	EALF	16'	85'	14'	128,960	14,300	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834
TOP HOUSE	EALF	16'	85'	14'	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
UTILITY SKID	EALF	16'	85'	14'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
HPU UNIT	EALF	16'	85'	14'	124,008	14,300	20,700	4'	20,700	32'	17,077	4'	17,077	4'	17,077	4'	17,077							4.4424
RAMP	EALF	14'	85'	14'	118,700	14,300	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
BOP SKID	EALF	16'	85'	14'	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077		17,077	5.0771
DRAWWORK	EALF	16'	85'	14'	143,108	20,800	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077		17,077	5.0771
BUNKHOUSE	EALF	16'	85'	14'	124,008	14,300	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
CREW HOUSE	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
BOP HANDLER	EALF	16'	85'	14'	128,960	14,300	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834
MCC HOUSE	EALF	16'	85'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
DERRICK	EALF	16'	95'	15'	131,300	14,300	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750		15,750		15,750	3.0523
SUBSTRUCTURE	EALF	16'	95'	14'	153,685	14,300	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
Total					3,997,199																			116.847788

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
FUEL TANK	16'	85'	10'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934				1.4923														
GENERATOR	16'	85'	12'	130,508	20,800	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							6.0130	
	EALF				1.9272		2.5934				1.4923														
GENERATOR	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771	
	EALF				1.9272		1.6576				1.4923														
GENERATOR	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934				1.4923														
SCR HOUSE	16'	85'	12'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771	
	EALF				1.9272		1.6576				1.4923														
MUD TANK	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834	
	EALF				0.3567		2.5934				0.8332														
MUD TANK	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834	
	EALF				0.3567		2.5934				0.8332														
MUD PUMP	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038	
	EALF				0.3567		2.5934				1.6536														
MUD PUMP	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567		1.6576				1.4923														
WATER TANK	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934				1.4923														
SHAKER SKID	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771	
	EALF				1.9272		1.6576				1.4923														
TRIP TANK	16'	85'	14'	130,508	20,800	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							6.0130	
	EALF				1.9272		2.5934				1.4923														
SUBSTRUCTURE	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038	
	EALF				0.3567		2.5934				1.6536														
SUBSTRUCTURE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567		1.6576				1.4923														
CENTER SUBSTRUCTURE	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834	
	EALF				0.3567		2.5934				0.8332														
TOP HOUSE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934				1.4923														
UTILITY SKID	16'	85'	14'	136,608	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					3.5066	
	EALF				0.3567		1.6576				1.4923														
RAMP	14'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834	
	EALF				0.3567		2.5934				0.8332														
BOP SKID	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834	
	EALF				0.3567		2.5934				0.8332														
DRAWWORK	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934				1.4923														
BUNKHOUSE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934				1.4923														
CREW HOUSE	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038	
	EALF				0.3567		2.5934				1.6536														
BOP HANDLER	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771	
	EALF				1.9272		1.6576				1.4923														
MCC HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567		1.6576				1.4923														
DERRICK	16'	95'	15'	122,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000							3.6719	
	EALF				0.3567		1.6576				1.6576														
DERRICK	16'	85'	15'	113,300	14,300	17'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750							2.7703	
	EALF				0.3567		1.3755				1.0380														
Total				3,478,814																				112.669833	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
FUEL TANK	15'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077								4.4424	
	EALF				0.3567		2.5934				1.4923															
GENERATOR	16'	85'	13'	130,508	20,800	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077								6.0130	
	EALF				1.9272		2.5934				1.4923															
GENERATOR	16'	85'	13'	147,050	14,300	14'	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750		3.1645	
	EALF				0.3567		1.6576						1.1502													
GENERATOR	16'	85'	13'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332													
SCR HOUSE	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567		1.6576						1.6536													
MUD TANK	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332													
MUD TANK	16'	85'	14'	141,560	14,300	14'	18,000	4'	18,000	4'	18,000	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		2.8476	
	EALF				0.3567		1.6576						0.8332													
MUD PUMP	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						4.6038	
	EALF				0.3567		2.5934						1.6536													
MUD PUMP	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567		1.6576						1.6536													
SHAKER SKID	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077								4.4424	
	EALF				0.3567		2.5934						1.4923													
SUBSTRUCTURE	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						4.6038	
	EALF				0.3567		2.5934						1.6536													
SUBSTRUCTURE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567		1.6576						1.6536													
CENTER SUBSTRUCTURE	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332													
TOP HOUSE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077								4.4424	
	EALF				0.3567		2.5934						1.4923													
HPU UNIT	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332													
RAMP	14'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332													
BOP SKID	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332													
DRAWWORK	16'	85'	13'	130,508	20,800	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077								6.0130	
	EALF				1.9272		2.5934						1.4923													
BUNKHOUSE	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						4.6038	
	EALF				0.3567		2.5934						1.6536													
CREW HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567		1.6576						1.6536													
BOP HANDLER	16'	85'	14'	130,508	20,800	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077								6.0130	
	EALF				1.9272		2.5934						1.4923													
MCC HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567		1.6576						1.6536													
DERRICK	16'	95'	15'	122,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000								3.6719	
	EALF				0.3567		1.6576						1.6576													
DERRICK	16'	95'	15'	131,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.0523	
	EALF				0.3567		1.6576						1.0380													
DERRICK	16'	95'	15'	125,200	20,800	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750								5.5586	
	EALF				1.9272		2.5934						1.0380													
CRADDEL	14'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077						5.0771	
	EALF				1.9272		1.6576						1.4923													
DERRICK BOARD	14'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077						5.0771	
	EALF				1.9272		1.6576						1.4923													
Total				3,682,614																					114.666587	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																							EALF	
Fuel Tank	15'	85'	10'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652						3.7834	
	EALF				0.3567		2.5934						0.8332											
FUEL TANK	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						4.4424	
	EALF				0.3567		2.5934						1.4923											
FUEL TANK	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						4.4424	
	EALF				0.3567		2.5934						1.4923											
Trip Tank	16'	85'	13'	118,608	14,300	17'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077						3.2246	
	EALF				0.3567		1.3755						1.4923											
HPU	16'	85'	13'	118,608	14,300	17'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077						3.2246	
	EALF				0.3567		1.3755						1.4923											
Bunk House	16'	85'	13'	118,608	14,300	17'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077						3.2246	
	EALF				0.3567		1.3755						1.4923											
Generator	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
Mud Tank	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
Ramp	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
B.O.P. Handler	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
SCR	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
Floor House	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
B.O.P.	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771	
	EALF				1.9272		1.6576						1.4923											
Derrick	16'	95'	15'	122,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000						3.6719	
	EALF				0.3567		1.6576						1.6576											
Derrick	16'	95'	15'	113,300	14,300	17'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750						2.7703	
	EALF				0.3567		1.3755						1.0380											
Center Substructure	16'	85'	13'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652				3.7834	
	EALF				0.3567		2.5934						0.8332											
Generator	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881	
	EALF				0.3567		2.5934						1.0380											
Shaker Skid	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881	
	EALF				0.3567		2.5934						1.0380											
Utility Skid	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881	
	EALF				0.3567		2.5934						1.0380											
Drawworks	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881	
	EALF				0.3567		2.5934						1.0380											
Mud Tank	16'	85'	13'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652				3.7834	
	EALF				0.3567		2.5934						0.8332											
Mud Pump	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576						1.6536											
Substructure	16'	95'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576						1.6536											
MCC	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576						1.6536											
Mud Pump	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576						1.6536											
Substructure	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576						1.6536											
Crew house	16'	95'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576						1.6536											
Total				3,624,986																			109.850843	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																							EALF	
FUEL TANK	EALF	16'	85'	12'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
						0.3567		2.5934							1.4923									
GENERATOR	EALF	16'	85'	13'	141,560	14,300	14'	18,000	4'	18,000	4'	18,000	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		2.8476
						0.3567		1.6576						0.8332										
GENERATOR	EALF	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576						1.4923										
GENERATOR	EALF	16'	85'	13'	130,508	20,800	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						6.0130
						1.9272		2.5934						1.4923										
SCR HOUSE	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
MUD TANK	EALF	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
MUD TANK	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
MUD PUMP	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
MUD PUMP	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
SHAKER SKID	EALF	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						4.4424
						0.3567		2.5934						1.4923										
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
CENTER SUBSTRUCTURE	EALF	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
TOP HOUSE	EALF	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
HPU UNIT	EALF	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
RAMP	EALF	14'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
BOP SKID	EALF	15'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
BUNKHOUSE	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
CREW HOUSE	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
BOP HANDLER	EALF	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077				5.0771
						1.9272		1.6576													1.4923			
MCC HOUSE	EALF	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
						0.3567		1.6576													1.6536			
DERRICK	EALF	16'	95'	15'	122,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000						3.6719
						0.3567		1.6576																
DERRICK	EALF	16'	95'	15'	125,200	20,800	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						5.5586
						1.9272		2.5934						1.0380										
SCR HOUSE	EALF	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077				4.6038
						0.3567		2.5934													1.6536			
MUD PUMP	EALF	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077				4.6038
						0.3567		2.5934													1.6536			
SUBSTRUCTURE	EALF	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077				4.6038
						0.3567		2.5934													1.6536			
BUNKHOUSE	EALF	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077				4.6038
						0.3567		2.5934													1.6536			
CREW HOUSE	EALF	16'	85'	14'	141,085	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077				4.6038
						0.3567		2.5934													1.6536			
Total					4,001,038			2.5934							1.6536								123.6231	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total
																										EALF
GENERATOR	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934						1.0380													
GENERATOR	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
GENERATOR	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
SCR HOUSE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
MUD TANK	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576																			
MUD TANK	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576																			
MUD PUMP	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576																			
MUD PUMP	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576																			
SHAKER SKID	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
TRIP TANK	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
SUBSTRUCTURE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576																			
SUBSTRUCTURE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
RAMP	14'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
DERRICK	16'	85'	15'	122,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000									3.6719
	EALF				0.3567		1.6576																			
CREW HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
	EALF				0.3567		1.6576																			
FORKLIFT	15'6"	85'	10'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424
	EALF				0.3567		2.5934						1.4923													
Total				2,031,166																						65.2071289

Descripton	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total						
																								EALF						
GENERATOR	16'	85'	13'	131,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523						
	EALF																								0.3567					
DERRICK CROWN	15'	95'	14'	122,300	14,300	17'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000						3.6719							
	EALF																								0.3567					
MUD PUMP	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
SUBSTRUCTURE	16'	95'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
HYDRAULIC UNIT	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
CREW HOUSE	15'6"	95'	14'3"	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
DIESEL TANK	15'6"	85'	9'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						4.4424							
	EALF																								0.3567					
TOP HOUSE	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						4.4424							
	EALF																								0.3567					
PUSHER HOUSE	15'6"	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077						4.4424							
	EALF																								0.3567					
GENERATOR	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881							
	EALF																								0.3567					
UTILITY SKID	15'4"	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881							
	EALF																								0.3567					
DRAWWORKS	15'6"	85'	12'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881							
	EALF																								0.3567					
SCR HOUSE	16'	85'	11'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771						
	EALF																								1.9272					
SHAKER SKID	16'	85'	13'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771						
	EALF																								1.9272					
B.O.P SKID	16'	85'	13'5"	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077					5.0771						
	EALF																								1.9272					
SUCTION TANK	16'	90'	13'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834						
	EALF																								0.3567					
gas buster	16'	95'	12'	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038						
	EALF																								0.3567					
rig house	14'	95'	12'6"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038						
	EALF																								0.3567					
CENTER SUBSTRUCTURE	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834						
	EALF																								0.3567					
RAMP	14'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					3.7834						
	EALF																								0.3567					
GENERATOR	16'	85'	12'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881							
	EALF																								0.3567					
TRIP TANK	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881							
	EALF																								0.3567					
B.O.P HANDLER	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881							
	EALF																								0.3567					
SHAKER TANK	16'	85'	13'5"	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
MUD PUMP	16'	85'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
MCC HOUSE	16'	85'	13'5"	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
SUBSTRUCTURE	16'	95'	13'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679						
	EALF																								0.3567					
BACK DERRICK SECTION	16'	95'	14'	125,200	20,800	14'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750						5.5586							
	EALF																								1.9272					
GENERATOR	16'	85'	12'	131,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523						
	EALF																								0.3567					
UTILITY SKID	15'6"	85'	13'	131,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523						
	EALF																								0.3567					
DRAWWORKS	15'4"	85'	13'5"	131,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523						
	EALF																								0.3567					
Total					4,184,778																									123.828297

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total						
																												EALF				
FUEL TANK	16'	85'	10'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
GENERATOR	16'	85'	13'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881						
	EALF																											0.3567				
GENERATOR	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
GENERATOR	16'	85'	13'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
SCR HOUSE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
MUD TANK	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652							3.7834						
	EALF																											0.3567				
MUD TANK	16'	85'	14'	141,560	14,300	14'	18,000	4'	18,000	4'	18,000	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						2.8476					
	EALF																											0.3567				
MUD PUMP	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
MUD PUMP	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
TRIP TANK	16'	85'	14'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881						
	EALF																											0.3567				
SUBSTRUCTURE	16'	95'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
SUBSTRUCTURE	16'	95'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
CENTER SUBSTRUCTURE	16'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652								3.7834					
	EALF																											0.3567				
TOP HOUSE	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
UTILITY SKID	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
HPU UNIT	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
RAMP	14'	85'	14'	128,960	14,300	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652								3.7834					
	EALF																											0.3567				
BOP SKID	15'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077								5.0771					
	EALF																											1.9272				
DRAWWORK	15'	85'	14'	141,560	14,300	14'	18,000	4'	18,000	4'	18,000	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652						2.8476					
	EALF																											0.3567				
BUNKHOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
CREW HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
BOP HANDLER	16'	85'	14'	124,008	14,300	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077									4.4424						
	EALF																											0.3567				
MCC HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
DERRICK	16'	95'	15'	122,300	14,300	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000										3.6719					
	EALF																											0.3567				
DERRICK	16'	95'	15'	118,700	14,300	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750										3.9881					
	EALF																											0.3567				
MCC HOUSE	16'	85'	14'	143,108	20,800	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077								5.0771					
	EALF																											1.9272				
CREW HOUSE	16'	85'	14'	153,685	14,300	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						3.6679					
	EALF																											0.3567				
Total					3,656,160																											107.718766

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																								EALF
Generator	EALF	16'	85'	13'	143,108	20,800	1.9272	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		5.0771
Fuel Tank	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
Floor House	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
Generator	EALF	16'	85'	13'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
Ramp	EALF	16'	85'	14'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
Shaker Tank	EALF	16'	85'	13'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
Change House	EALF	16'	85'	13'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
Suction Tank	EALF	16'	85'	13'	118,700	14,300	0.3567	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750		3.9881
Koomey Unit	EALF	16'	85'	13'	118,700	14,300	0.3567	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750		3.9881
Trip Tank	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
Water Tank	EALF	16'	85'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
Substructure	EALF	16'	85'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
Mud Pump	EALF	16'	85'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
Substructure	EALF	16'	85'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
Shaker Skid	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
Bunk House	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
SCR House	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
HPU Unit	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
Mud Pump	EALF	16'	85'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
Crew Quarters	EALF	16'	95'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
DERRICK	EALF	16'	85'	15'	122,300	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000	4'	18,000	4'	18,000		3.6719
GENERATOR	EALF	16'	85'	14'	143,108	20,800	1.9272	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		5.0771
TRIP TANK	EALF	16'	85'	14'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
WATER TANK	EALF	16'	85'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
FUEL TANK	EALF	16'	85'	13'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
CREW QUARTERS	EALF	16'	85'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
MUD PUMP	EALF	16'	85'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
FLOOR HOUSE	EALF	16'	85'	14'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
MUD PUMP	EALF	16'	85'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
GENERATOR	EALF	16'	85'	13'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
RAMP	EALF	14'	85'	14'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
SUBSTRUCTURE	EALF	16'	85'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679
SHAKER SKID	EALF	16'	85'	14'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
SHAKER TANK	EALF	16'	85'	14'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
CHANGE HOUSE	EALF	16'	85'	13'	128,960	14,300	0.3567	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652		3.7834
BUNKHOUSE	EALF	16'	85'	14'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
SCR HOUSE	EALF	16'	85'	14'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
SUCTION TANK	EALF	16'	85'	14'	118,700	14,300	0.3567	20,700	4'	20,700	32'	15,750	4'	15,750	4	15,750	4'	15,750	4'	15,750	4'	15,750		3.9881
KOOMEY UNIT	EALF	16'	85'	13'	118,700	14,300	0.3567	20,700	4'	20,700	32'	15,750	4'	15,750	4	15,750	4'	15,750	4'	15,750	4'	15,750		3.9881
HPU UNIT	EALF	16'	85'	14'	124,008	14,300	0.3567	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		4.4424
DERRICK	EALF	16'	85'	15'	122,300	14,300	0.3567	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000	4'	18,000	4'	18,000		3.6719
Total					5,617,628	0.3567																	169.926991	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total
																										EALF
CRANE	15'	110'	14'	220,375	19,500	14'	20,000	4'	20,000	4'	20,000	12'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	10.8665
	EALF				1.4369			2.5709					4.1968													
Mud Tank	15'6"	80'	12'	155,175	14,300	16'	23,000	4'	23,000	28'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154
	EALF				0.3567			4.1968					2.6619													
Mud Tank	15'6"	80'	12'	155,175	14,300	16'	23,000	4'	23,000	28'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154
	EALF				0.3567			4.1968					2.6619													
compressor	14'	90'	14'10"	156,875	16,000	14'	23,000	5'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.4473
	EALF				0.5887			4.1968					2.6619													
BUNK HOUSE	15'5"	105'	14'	120,000	12,500	15'	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					2.1276
	EALF				0.1971			1.0972					0.8332													
BUNK HOUSE	15'5"	105'	14'	120,000	12,500	15'	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652					2.1276
	EALF				0.1971			1.0972					0.8332													
SUBSTRUCTURE	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
	EALF				1.4369			2.5709					2.6619													
SUBSTRUCTURE	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
	EALF				1.4369			2.5709					2.6619													
DRAWWORKS	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					6.4101
	EALF				1.4369			2.5709					2.4022													
EMPTY MUD TANK	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					6.4101
	EALF				1.4369			2.5709					2.4022													
EMPTY MUD TANK	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					5.3299
	EALF				0.3567			2.5709					2.4022													
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			6.6698
	EALF				1.4369			2.5709					2.6619													
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			6.6698
	EALF				1.4369			2.5709					2.6619													
S C R HOUSE	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					5.3299
	EALF				0.3567			2.5709					2.4022													
OILFIELD UTILITY SKID	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					6.4101
	EALF				1.4369			2.5709					2.4022													
CREW HOUSE	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					6.4101
	EALF				1.4369			2.5709					2.4022													
PUSHER HOUSE	15'6"	100'	14'	136,200	14,300	17'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975									6.4101
	EALF				0.3567			4.1968					2.4022													
CROWN SECTION	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					6.9557
	EALF				1.4369			2.5709					2.4022													
DERRICK LEG	15'6"	100'	14'	120,300	14,300	17'	23,000	4'	23,000	35'	20,000	4'	20,000	4'	20,000											7.1244
	EALF				0.3567			4.1968					2.5709													
DERRICK LEG	15'6"	100'	14'	120,300	14,300	17'	23,000	4'	23,000	35'	20,000	4'	20,000	4'	20,000											7.1244
	EALF				0.3567			4.1968					2.5709													
SHALE SHAKER	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975							6.4101
	EALF				1.4369			2.5709					2.4022													
CRANE	15'	110'	14'	220,375	19,500	14'	20,000	4'	20,000	4'	20,000	12'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	10.8665
	EALF				1.4369			2.5709					4.1968													
Total				3,455,075									4.1968												2.6619	144.870211

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
EMPTY MUD TANK	EALF	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975					6.4101
						1.4369																			
EMPTY MUD TANK	EALF	15'6"	100'	14'	136,200	14,300	17'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
						0.3567																			
MUD PUMP	EALF	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
						1.4369																			
MUD PUMP	EALF	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
						1.4369																			
DRAWWORKS	EALF	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975					6.4101
						1.4369																			
SUBSTRUCTURE	EALF	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
						1.4369																			
RAMP	EALF	15'6"	100'	14'	136,200	14,300	17'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
						0.3567																			
DERRICK (IN TOW)	EALF	15'6"	100'	14'	134,300	14,300	14'	20,000	4'	20,000	4'	20,000	43'	20,000	4'	20,000	4'	20,000							5.4985
						0.3567																			
PUSHER HOUSE	EALF	15'6"	100'	14'	120,300	14,300	17'	23,000	4'	23,000	35'	20,000	5'	20,000	5'	20,000									7.1244
						0.3567																			
CREW HOUSE	EALF	15'6"	100'	14'	136,200	14,300	17'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
						0.3567																			
DERRICK (IN TOW)	EALF	15'6"	100'	14'	134,300	14,300	14'	20,000	4'	20,000	4'	20,000	43'	20,000	4'	20,000	4'	20,000							5.4985
						0.3567																			
PUSHER HOUSE	EALF	15'6"	100'	14'	120,300	14,300	17'	23,000	4'	23,000	35'	20,000	5'	20,000	5'	20,000									7.1244
						0.3567																			
CREW HOUSE	EALF	15'6"	100'	14'	136,200	14,300	17'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
						0.3567																			
Total					1,887,925																			85.8982	

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	
EMPTY MUD TANK	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		6.4101
	EALF				1.4369																
EMPTY MUD TANK	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		6.4101
	EALF				1.4369																
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975
	EALF				1.4369																2.6619
SHALE SHAKER	15'6"	100'	14'	139,500	19,500	14'	20,000	4'	20,000	4'	20,000	35'	20,000	5'	20,000	5'	20,000				
	EALF				1.4369																2.5709
DRAWWORKS	15'6"	100'	14'	134,300	14,300	14'	20,000	4'	20,000	4'	20,000	35'	20,000	5'	20,000	5'	20,000				
	EALF				0.3567																2.5709
SUBSTRUCTURE	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975
	EALF				1.4369																2.6619
DERRICK RAMP	15'6"	100'	14'	120,300	14,300	17'	23,000	4'	23,000	35'	20,000	5'	20,000	5'	20,000						
	EALF				0.3567																2.5709
DERRICK (IN TOW)	15'6"	100'	14'	139,500	19,500	14'	20,000	4'	20,000	4'	20,000	43'	20,000	4'	20,000						
	EALF				1.4369																2.5709
S C R HOUSE	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				0.3567																2.4022
OILFIELD UTILITY SKID	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				1.4369																2.4022
OILFIELD UTILITY SKID	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				0.3567																2.4022
OILFIELD UTILITY SKID	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				0.3567																2.4022
PUSHER HOUSE	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				0.3567																2.4022
CREW HOUSE	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				0.3567																2.4022
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975
	EALF				1.4369																2.6619
CRANE	15'	110'	14'	200,285	19,500	14'	18,000	4'	18,000	4'	18,000	12'	20,700	4'	20,700	35'	17,077	5'	17,077	5'	17,077
	EALF				1.4369																1.6536
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975		
	EALF				1.4369																2.6619
Total				2,648,585																	105.680621

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF						
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing		weight	Spacing				
CRANE	EALF	15'6"	100'	14'	220,375	19,500	14'	20,000	4'	20,000	4'	20,000	12'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	10.8665
						1.4369		2.5709						4.1968				2.6619											
SUBSTRUCTURE	EALF	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
						1.4369		2.5709										2.6619											
SUBSTRUCTURE	EALF	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.4101
						1.4369		2.5709										2.4022											
MUD BOAT	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
GENERATOR MOTOR	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
GENERATOR MOTOR	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
GENERATOR MOTOR	EALF	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.4101
						1.4369		2.5709										2.4022											
S C R HOUSE	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
EMPTY MUD TANK	EALF	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.4101
						1.4369		2.5709										2.4022											
EMPTY MUD TANK	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
SHALE SHAKER	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
DERRICK (IN TOW)	EALF	15'6"	100'	14'	134,300	14,300	14'	20,000	4'	20,000	4'	20,000	43'	20,000	4'	20,000	4'	20,000											
						0.3567		2.5709										2.5709											
GAS BUSTER	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.4985
						0.3567		2.5709										2.4022											
MUD PUMP	EALF	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
						1.4369		2.5709										2.6619											
MUD PUMP	EALF	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
						1.4369		2.5709										2.6619											
PUSHER HOUSE	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
CREW HOUSE	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
TOP DOG HOUSE	EALF	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
						0.3567		2.5709										2.4022											
Total					2,846,000																								108.903282

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF	
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing		weight
CRANE	15'	110'	14'	220,375	19,500	14'	20,000	4'	20,000	4'	20,000	12'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	10.8665
	EALF				1.4369			2.5709					4.1968				2.4022			2.6619				
EMPTY MUD TANK	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.4101
	EALF				1.4369			2.5709					2.4022				2.6619							
EMPTY MUD TANK	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
	EALF				0.3567			2.5709					2.4022											
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
	EALF				1.4369			2.5709					2.6619											
MUD PUMP	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
	EALF				1.4369			2.5709					2.6619											
SHALE SHAKER SKID	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
	EALF				0.3567			2.5709					2.4022											
DRAWWORKS	15'6"	100'	14'	136,200	14,300	17'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557
	EALF				0.3567		4.1968						2.4022											
SUBSTRUCTURE	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
	EALF				1.4369			2.5709					2.6619											
DERRICK RAMP	15'6"	100'	14'	134,300	14,300	14'	20,000	4'	20,000	4'	20,000	35'	20,000	5'	20,000	5'	20,000	5'	20,000	5'	20,000	5'	20,000	5.4985
	EALF				0.3567			2.5709					2.5709											
DERRICK (IN TOW)	15'6"	100'	14'	139,500	19,500	14'	20,000	4'	20,000	4'	20,000	43'	20,000	4'	20,000	4'	20,000	4'	20,000	4'	20,000	4'	20,000	6.5787
	EALF				1.4369			2.5709					2.5709											
S C R HOUSE	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
	EALF				0.3567			2.5709					2.4022											
OILFIELD UTILITY SKID	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.4101
	EALF				1.4369			2.5709					2.4022											
OILFIELD UTILITY SKID	15'6"	100'	14'	174,375	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.6698
	EALF				1.4369			2.5709					2.6619											
OILFIELD UTILITY SKID	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
	EALF				0.3567			2.5709					2.4022											
PUSHER HOUSE	15'6"	100'	14'	155,400	19,500	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.4101
	EALF				1.4369			2.5709					2.4022											
CREW HOUSE	15'6"	100'	14'	150,200	14,300	14'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.3299
	EALF				0.3567			2.5709					2.4022											
Total				2,545,075																			102.4582	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
DERRICK	15'6"	125'	16'	172,875	18,000	12'	20,000	4'	20,000	4'	20,000	80'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2328	
	EALF				1.0000				2.5709								2.6619								
MUDPUMP	15'6"	110'	14'	174,875	20,000	12'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.8450	
	EALF				1.6121				2.5709								2.6619								
VFD HOUSE	15'6"	110'	14'	174,875	20,000	12'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.8450	
	EALF				1.6121				2.5709								2.6619								
MUDTANK	15'6"	110'	14'	141,700	14,300	16'	23,000	4'	23,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			5.8875	
	EALF				0.3567				4.1968								1.3340								
SUBSTRUCTURE	15'6"	110'	14'	141,700	14,300	16'	23,000	4'	23,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			5.8875	
	EALF				0.3567				4.1968								1.3340								
TRIPTANK	15'6"	110'	14'	141,700	14,300	16'	23,000	4'	23,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			5.8875	
	EALF				0.3567				4.1968								1.3340								
DRILLERS HOUSE	15'6"	110'	14'	141,700	14,300	16'	23,000	4'	23,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			5.8875	
	EALF				0.3567				4.1968								1.3340								
GENERATOR	15'6"	110'	14'	130,300	14,300	16'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.2197	
	EALF				0.3567				4.1968								1.6662								
CREW HOUSE	15'6"	110'	14'	130,300	14,300	16'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.2197	
	EALF				0.3567				4.1968								1.6662								
MUDBOAT	15'6"	110'	14'	130,300	14,300	16'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.2197	
	EALF				0.3567				4.1968								1.6662								
FUELTANK	15'6"	110'	14'	130,300	14,300	16'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.2197	
	EALF				0.3567				4.1968								1.6662								
PUSHER HOUSE	15'6"	110'	14'	130,300	14,300	16'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.2197	
	EALF				0.3567				4.1968								1.6662								
GENERATOR	15'6"	110'	14'	130,300	14,300	16'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.2197	
	EALF				0.3567				4.1968								1.6662								
CRAWLER CRANE	14'	115'	13'6"	155,175	14,300	16'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154	
	EALF				0.3567				4.1968								2.6619								
CRAWLER CRANE	14'	115'	13'6"	199,800	14,300	16'	23,000	4'	23,000	14'	23,000	5'	23,000	35'	18,700	5'	18,700	5'	18,700	5'	18,700	5'	18,700	11.2418	
	EALF				0.3567				4.1968				4.1968				2.4916								
CRAWLER CRANE	14'	115'	13'6"	155,175	14,300	16'	23,000	4'	23,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154	
	EALF				0.3567				4.1968								2.6619								
DERRICK	15'6"	110'	14'	161,400	20,000	12'	20,000	4'	20,000	4'	20,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			5.5170	
	EALF				1.6121				2.5709								1.3340								
GENERATOR	15'6"	110'	14'	155,700	14,300	12'	20,000	4'	20,000	4'	20,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			4.2616	
	EALF				0.3567				2.5709								1.3340								
EMPTY STEEL TANK	15'6"	110'	14'	155,700	14,300	12'	20,000	4'	20,000	4'	20,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			4.2616	
	EALF				0.3567				2.5709								1.3340								
SUBSTRUCTURE	15'6"	110'	14'	155,700	14,300	12'	20,000	4'	20,000	4'	20,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			4.2616	
	EALF				0.3567				2.5709								1.3340								
VFD HOUSE	15'6"	110'	14'	155,700	14,300	12'	20,000	4'	20,000	4'	20,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280			4.2616	
	EALF				0.3567				2.5709								1.3340								
RIG HOUSE	15'6"	110'	14'	130,000	14,000	12'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.1877	
	EALF				0.3247				4.1968								1.6662								
MUD BOAT	15'6"	110'	14'	130,000	14,000	12'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.1877	
	EALF				0.3247				4.1968								1.6662								
RIG FLOOR	15'6"	110'	14'	130,000	14,000	12'	23,000	4'	23,000	35'	17,500	4'	17,500	4'	17,500	4'	17,500							6.1877	
	EALF				0.3247				4.1968								1.6662								
SUBSTCTOR	15'6"	110'	14'	141,400	14,000	12'	23,000	4'	23,000	35'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280					5.8555	
	EALF				0.3247				4.1968								1.3340								
Total				3,696,975																				153.4456	

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF				
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing		weight	Spacing		
mud pump	15'6"	110'	14'	199,400	14,000	12'	20,000	4'	20,000	4'	20,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280	15'	22,000	4'	22,000	7.6540	
	EALF				0.3247																						
Derrick	15'6"	110'	16'	199,400	14,000	12'	20,000	4'	20,000	4'	20,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280	15'	22,000	4'	22,000	7.6540	
	EALF				0.3247																						
mud pump	15'6"	110'	14'	190,000	14,000	12'	20,000	4'	20,000	4'	20,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500	15'	23,000	4'	23,000			8.7586	
	EALF				0.3247											1.6662											
substructure	15'6"	110'	14'	190,000	14,000	12'	20,000	4'	20,000	4'	20,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500	15'	23,000	4'	23,000			8.7586	
	EALF				0.3247											1.6662											
Empty steel tank	15'10"	110'	14'	159,400	18,000	12'	20,000	4'	20,000	4'	20,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280					4.9049	
	EALF				1.0000																						
BOP handler	15'6"	100'	12'	159,400	18,000	12'	20,000	4'	20,000	4'	20,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280					4.9049	
	EALF				1.0000																						
substructure	15'6"	110'	14'	159,400	18,000	12'	20,000	4'	20,000	4'	20,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280					4.9049	
	EALF				1.0000																						
Empty steel tank	15'10"	110'	14'	141,700	14,300	15'	23,000	4'	23,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280							5.8875	
	EALF				0.3567																						
VFD house	15'6"	110'	14'	141,700	14,300	15'	23,000	4'	23,000	36'	16,280	4'	16,280	4'	16,280	4'	16,280	4'	16,280							5.8875	
	EALF				0.3567																						
center steel	15'	100'	14'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
Generator house	15'6"	100'	14'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
Generator house	15'6"	100'	14'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
trip tank (empty)	15'8"	100'	14'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
Bunk house	15'6"	100'	14'	136,200	14,300	15'	23,000	4'	23,000	36'	18,975	5'	18,975	5'	18,975	5'	18,975									6.9557	
	EALF				0.3567											2.4022											
Drillers cabin	15'6"	100'	14'	136,200	14,300	15'	23,000	4'	23,000	36'	18,975	5'	18,975	5'	18,975	5'	18,975									6.9557	
	EALF				0.3567											2.4022											
Crew house	15'6"	100'	14'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
mud boat	14'	100'	15'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
empty diesel tank	15'6"	100'	12'	130,300	14,300	15'	23,000	4'	23,000	36'	17,500	4'	17,500	4'	17,500	4'	17,500									6.2197	
	EALF				0.3567											1.6662											
crawler crane	14'	120'	14'	196,300	14,300	15'	23,000	4'	23,000	15'	23,000	4'	23,000	36'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000			10.8469	
	EALF				0.3567																						
Total				2,921,200																						127.6111	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
mud tank	EALF	15'6"	110'	14'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
sub structure	EALF	15'6"	110'	14'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
shaker	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
motor house	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
derrick	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
derrick	EALF	15'6"	110'	14'	155,175	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154
center steel	EALF	15'6"	110'	14'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
draw works	EALF	14'	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
motor	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
motor	EALF	15'6"	110'	14'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
mud tank	EALF	15'6"	110'	14'	168,995	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5667
shaker	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
sub structure	EALF	15'6"	110'	14'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
Derrick	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
derrick	EALF	15'6"	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
tank	EALF	15'	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
structure	EALF	15'	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424
crown	EALF	15'	110'	14'	159,385	20,000	1.6121	18,000	4'	18,000	4'	18,000	35'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.9233
Generator	EALF	15'	110'	14'	141,085	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038
Tandem	EALF	15'6"	110'	14'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
derrick	EALF	15'	110'	14'6"	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
Tandem	EALF	15'	110'	12'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.9557
crane	EALF	14'6"	110'	12'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
Total					3,451,856																			138.5120	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																							EALF	
motor	EALF	15'	110'	12'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
motor	EALF	15'	110'	12'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
motor	EALF	15'	110'	12'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	5.5895
motor	EALF	15'	110'	12'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
motor	EALF	15'	110'	12'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
tank	EALF	15'	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
tank	EALF	15'	110'	14'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975					6.9557	
House	EALF	15'	100'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
House	EALF	15'	100'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
House	EALF	15'	100'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
House	EALF	15'	100'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
House	EALF	15'	100'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
motor	EALF	15'	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
Mud Cleaning Equipment	EALF	15'	100'	12'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
shaker	EALF	15'	110'	12'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
Crane	EALF	15'6"	100'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
House	EALF	15'	100'	12'	123,986	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	18,562	5'	18,562	5'	18,562					3.8983	
Derrick	EALF	13'6"	110'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Crane	EALF	14'6"	110'	12'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Substructure	EALF	15'	110'	12'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
center steel	EALF	13'6"	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
mud boat	EALF	13'6"	110'	14'6"	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
substructure	EALF	15'	110'	12'	136,200	14,300	0.3567	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975					6.9557	
mud tank	EALF	15'	110'	14'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
shaker skid	EALF	15'	110'	10'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
substructure	EALF	15'	110'	10'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
substructure	EALF	15'	110'	10'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
rig house	EALF	15'6"	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
rig house	EALF	15'6"	110'	14'	153,700	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	3.6692
rig house	EALF	15'6"	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
mud pump	EALF	15'	110'	12'	153,700	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	3.6692
mud pump	EALF	15'	110'	12'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
rig tank	EALF	15'6"	110'	10'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
rig tank	EALF	15'6"	110'	10'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
rig tank	EALF	15'6"	110'	10'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
empty mud tank	EALF	15'6"	110'	14'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
crane	EALF	14'6"	110'	12'	169,175	14,300	0.3567	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	5.5895
derrick	EALF	15'	110'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
derrick	EALF	15'	110'	13'	153,685	14,300	0.3567	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
derrick	EALF	15'	110'	13'	124,008	14,300	0.3567	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077					4.4424	
crane	EALF	14'6"	110'	12'	161,071	20,000	1.6121	18,562	4'	18,562	4'	18,562	35'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.1497
Total					5,681,272																		178.0090	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
crane	14'6"	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
SHAKER	15'	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
MUD TANK	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	35'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
MUD TANK	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
MUD TANK	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
MOTOR SKID	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
MOTOR SKID	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
PUMP	15'	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
PUMP	15'	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
MOTOR SKID	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
MOTOR	15'	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
shaker	15'	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
rig house	15'	110'	14'	153,700	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	3.6692	
	EALF				0.3567				1.6576						1.6549										
rig house	15'	110'	14'	153,700	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	3.6692	
	EALF				0.3567				1.6576						1.6549										
house	15'	110'	14'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
Draw works	15'	110'	13'	159,400	20,000	15'	18,000	4'	18,000	4'	18,000	35'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	5'	17,080	4.9246	
	EALF				1.6121				1.6576						1.6549										
webbing	14'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
crane	14'6"	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
crane	14'6"	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
derrick	15'	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536										
derrick	15'	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567				2.5934						1.4923										
crane	14'6"	110'	12'	169,175	14,300	15'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895	
	EALF				0.3567				2.5709						2.6619										
Total				3,135,212																				90.8460	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																										EALF	
crane	14'6"	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536												
Crane	14'6"	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536												
structure	15'6"	110'	12'	136,200	14,300	15'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567				4.1968						2.4022												
structure	15'6"	110'	12'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536												
derrick	15'6"	110'	14'	174,875	20,000	15'	20,000	4'	20,000	4'	20,000	35'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.8450	
	EALF				1.6121				2.5709						2.6619												
derrick	15'6"	110'	14'	169,175	14,300	15'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895	
	EALF				0.3567				2.5709						2.6619												
center steel	15'	110'	14'	136,200	14,300	15'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567				4.1968						2.4022												
draw works	10'	110'	12'	136,200	14,300	15'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567				4.1968						2.4022												
mud boat	10'	110'	14'	169,175	14,300	15'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895	
	EALF				0.3567				2.5709						2.6619												
tank	15'6"	110'	14'	136,200	14,300	15'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567				4.1968						2.4022												
pump	15'6"	110'	14'	136,200	14,300	15'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567				4.1968						2.4022												
pump	15'6"	110'	14'	136,200	14,300	15'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567				4.1968						2.4022												
GENERATOR	14'6"	110'	12'	124,008	14,300	15'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.4424	
	EALF				0.3567				2.5934						1.4923												
pump	14'	110'	13'	153,685	14,300	15'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567				1.6576						1.6536												
crane	14'6"	110'	12'	169,175	14,300	15'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895	
	EALF				0.3567				2.5709						2.6619												
crane	14'6"	110'	12'	169,175	14,300	15'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895	
	EALF				0.3567				2.5709						2.6619												
Total				2,407,523																						90.0516	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																							EALF	
GAS BUSTER	16'	100'	12'	149,175	14,300	16'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		5.2362	
	EALF				0.3567		2.2175				2.6619													
MOTOR	15'8"	110'	11'1"	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975						5.2362	
	EALF				0.3567		2.2175				2.4022													
FUEL TANK	14'	110'	8'6"	149,175	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					4.9765
	EALF				0.3567		2.2175				2.6619													
VFD HOUSE	15'2"	110'	10'6"	169,175	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.2362
	EALF				0.3567		2.5709				2.6619													
MOTOR	15'8"	110'	11'1"	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
MUD PUMP	15'8"	110'	12'	169,175	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
SHACKER SKID	15'8"	110'	12'6"	169,175	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
MUD PUMP	15'8"	110'	12'	169,175	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
CENTER STEAL	15'4"	110'	13'8"	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
MCC HOUSE	16'	100'	13'4"	169,175	14,300	16'	20,000	5'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
MUD TANK	15'8"	110'	12'6"	130,200	14,300	16'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
MUD TANK	15'8"	110'	12'6"	130,200	14,300	16'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
CENTER STEEL	15'4"	100'	13'8"	169,175	14,300	16'	20,000	5'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
substructure	15'3"	110'	12'6"	169,175	14,300	16'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
substructure	15'3"	110'	12'6"	169,175	14,300	16'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
HPU UNIT	15'1"	110'	12'2"	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
JUNK BOX	14'	110'	12'	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
WATER TANK	14'	110'	12'	122,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.0365
	EALF				0.3567		2.2175				1.4623													
BUTT SECTION	14'8"	110'	14'	150,200	14,300	16'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975					5.3299
	EALF				0.3567		2.5709				2.4022													
CROWN SECTION	14'6"	110'	15'	111,225	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975									4.6391
	EALF				0.3567		2.2175				2.0648													
DRAW WORKS	14'	110'	12'	149,175	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					5.2362
	EALF				0.3567		2.2175				2.6619													
PUSHER HOUSE	14'	110'	12'6"	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
BOP	13'8"	95'	14'	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
BOP HANDLER	15'7"	95'	13'	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
TOP HOUSE	15'10"	100'	12'6"	169,175	14,300	16'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
crew house	15'6"	110'	14'	169,175	14,300	16'	20,000	4'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975			5.5895
	EALF				0.3567		2.5709				2.6619													
MUD BOAT	13'6"	95'	14'	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.9765
	EALF				0.3567		2.2175				2.4022													
Total				3,955,200																			140.3512	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
MOTOR	15'8"	95'	11'1"	122,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.0365	
	EALF				0.3567		2.2175				1.4623														
MOTOR	15'8"	95'	11'1"	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
MOTOR	15'8"	95'	11'1"	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
vfd house	15'8"	95'	12'1"	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
gas buster	15'10"	95'	13'1"	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
Crawler crane	14'	120'	14'	196,000	14,000	15'	23,000	4'	23,000	15'	23,000	4'	23,000	36'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000	10.8149	
	EALF				0.3247		4.1968				4.1968				2.0967										
mcc house	16'	110'	13'4"	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
mudd pump	15'8"	110'	12'	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
mudd pump	15'8"	110'	12'	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
mudd tank	15'8"	110'	12'6"	105,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000									3.8806	
	EALF				0.3567		2.2175				1.3064														
mudd tank	15'8"	110'	12'6"	122,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000									4.0365	
	EALF				0.3567		2.2175				1.4623														
sub	15'3"	110'	12'6"	139,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000							4.1946	
	EALF				0.3567		2.2175				1.6203														
drawworks	13'6"	95'	12'	105,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000									3.8806	
	EALF				0.3567		2.2175				1.3064														
crowd derrick	14'6"	110'	15'	105,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000									3.8806	
	EALF				0.3567		2.2175				1.3064														
butt derrick	14'8"	110'	14'	103,250	14,300	16'	18,975	4'	18,975	34'	17,000	5'	17,000	5'	17,000									3.4095	
	EALF				0.3567		1.7464				1.3064														
center steel	15'4"	110'	13'8"	122,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000									4.0365	
	EALF				0.3567		2.2175				1.4623														
bop	14'	95'	14'	105,300	14,300	16'	20,000	4'	20,000	34'	17,000	5'	17,000	5'	17,000									3.8806	
	EALF				0.3567		2.2175				1.3064														
Total				2,201,750																				75.4132	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
motor	15'8"	110'	11'1"	105,531	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077									3.9055	
	EALF				0.3567		2.2175		1.3312																
motor	15'8"	110'	11'1"	105,531	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077									3.9055	
	EALF				0.3567		2.2175		1.3312																
motor	15'8"	110'	11'1"	105,531	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077									3.9055	
	EALF				0.3567		2.2175		1.3312																
mud tank	15'8"	110'	12'6"	153,685	14,300	16'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567		1.6576		1.6536																
mud pump	15'8"	110'	12'	153,685	14,300	16'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679	
	EALF				0.3567		1.6576		1.6536																
mud tank	15'8"	110'	12'6"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934		1.4923																
mud pump	15'8"	110'	12'	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038	
	EALF				0.3567		2.5934		1.6536																
shaker skid	15'8"	110'	12'6"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934		1.4923																
mcc house	16'	110'	13'4"	153,685	14,300	16'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679	
	EALF				0.3567		1.6576		1.6536																
vfd house	15'2"	110'	10'6"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934		1.4923																
gas buster	16'	110'	12'	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934		1.4923																
H P U	15'1"	110'	12'2"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934		1.4923																
CENTER STEEL	15'4"	110'	13'8"	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.2279	
	EALF				0.3567		2.2175		1.6536																
SUBSTRUCTURE	15'6"	110'	12'6"	159,685	14,300	16'	20,000	4'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.2279	
	EALF				0.3567		2.5709		1.6536																
DRAW WORKS	13'6"	110'	12'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.5812	
	EALF				0.3567		2.2175		1.4923																
substructure	15'3"	110'	12'6"	136,200	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.0666	
	EALF				0.3567		4.1968		2.4022																
bop handler	15'7"	110'	13'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							6.9557	
	EALF				0.3567		2.2175		1.4923																
TOP HOUSE	15'10"	110'	12'6"	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.0666	
	EALF				0.3567		2.2175		1.6536																
B O P	14'	110'	14'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.2279	
	EALF				0.3567		2.2175		1.4923																
BUTT SECTION	14'8"	110'	14'	130,200	14,300	16'	20,000	4'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							4.0666	
	EALF				0.3567		2.2175		2.4022																
CROWN SECTION	14'6"	110'	15'	117,225	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975									4.9765	
	EALF				0.3567		4.1968		2.0648																
MUDD BOAT	14'	110'	14'	136,200	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975							6.6183	
	EALF				0.3567		4.1968		2.4022																
crew house	14'6"	110'	14'	117,225	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975									6.9557	
	EALF				0.3567		4.1968		2.0648																
crew house	14'6"	110'	14'	119,300	14,300	16'	17,000	4'	17,000	34'	14,200	5'	14,200	5'	14,200	5'	14,200							2.1448	
	EALF				0.3567		1.0630		0.7250																
Total				3,102,002																				109.0422	

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total		
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing			
RIG HOUSE	EALF	14'6"	100'	14'	120,000	14,000	16'	16,000	4'	16,000	34'	14,800	5'	14,800	5'	14,800	5'	14,800	5'	14,800	2.0058		
RIG HOUSE	EALF	15'	110'	14'	120,000	14,000	16'	17,000	4'	17,000	34'	14,400	5'	14,400	5'	14,400	5'	14,400	5'	14,400	2.1592		
RIG HOUSE	EALF	15'	110'	14'	120,000	14,000	16'	17,000	4'	17,000	34'	14,400	5'	14,400	5'	14,400	5'	14,400	5'	14,400	2.1592		
GAS BUSTER	EALF	16'	110'	14'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
MUD TANK	EALF	15'8"	110'	14'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
RIG HOUSE	EALF	15'6"	100'	14'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
MOTOR	EALF	15'6"	100'	12'	118,300	14,300	16'	18,000	4'	18,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000		17,000	3.1945		
MOTOR	EALF	15'6"	100'	12'	118,300	14,300	16'	18,000	4'	18,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000		17,000	3.1945		
FUEL TANK	EALF	15'6"	100'	12'	120,000	13,000	16'	17,000	4'	17,000	34'	14,600	5'	14,600	5'	14,600	5'	14,600	5'	14,600	2.1174		
VFD HOUSE	EALF	15'6"	110'	12'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
RIG MOTOR	EALF	15'6"	110'	12'	120,000	14,300	16'	17,000	4'	17,000	34'	14,340	5'	14,340	5'	14,340	5'	14,340	5'	14,340	2.1770		
MUDD PUMP	EALF	15'8"	110'	12'	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.2279		
MUDD PUMP	EALF	15'8"	110'	12'	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.2279		
MCC HOUSE	EALF	16'	110'	13'4"	157,385	18,000	16'	18,000	4'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.3112
B.O.P. HANDLER	EALF	15'6"	100'	14'	118,300	14,300	16'	18,000	4'	18,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000		17,000	3.1945		
DRAW WORKS	EALF	13'6"	100'	12'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
SUBSTRUCTURE	EALF	15'3"	100'	12'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
SUBSTRUCTURE	EALF	15'3"	100'	12'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
CENTER STEEL	EALF	15'3"	100'	14'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
B.O.P. SKID	EALF	15'	100'	14'	120,000	14,000	16'	17,000	4'	17,000	34'	14,400	5'	14,400	5'	14,400	5'	14,400	5'	14,400	2.1592		
SHAKER SKID	EALF	15'8"	110'	12'6"	122,308	14,000	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077	4.0346		
BUTT SECTION	EALF	14'8"	110'	14'	122,308	14,000	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077	4.0346		
CROWN SECTION	EALF	14'6"	110'	15'	105,531	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077		17,077		17,077	3.9055		
MUDD BOAT	EALF	14'	110'	14'	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.2279		
HPU UNIT	EALF	15'1"	110'	12'2"	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.2279		
DRILL LINE	EALF	14'	110'	14'	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.2279		
gas buster	EALF	16'	95'	12'	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
rig house	EALF	14'	95'	12'6"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
MUDD TANK	EALF	15'8"	95'	12'6"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
MUDD TANK	EALF	15'8"	95'	12'6"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
MUDD PUMP	EALF	15'10"	95'	12'	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
MUDD PUMP	EALF	15'10"	95'	12'	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
RIG HOUSE	EALF	16'	95'	13'	155,175	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.2154		
MOTOR	EALF	15'9"	95'	11'1"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
MOTOR	EALF	15'9"	95'	11'1"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077	4.4424		
MOTOR	EALF	15'9"	95'	11'1"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
shaker skid	EALF	15'8"	95'	12'6"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
crown section	EALF	14'6"	95'	15'	106,931	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077		17,077		17,077	4.2813		
bop	EALF	13'8"	95'	12'1"	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.6038		
SUBSTRUCTURE	EALF	15'6"	95'	14'	152,762	14,300	16'	18,000	4'	18,000	4'	17,077	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.5531
SUBSTRUCTURE	EALF	15'6"	95'	14'	135,685	14,300	16'	18,000	4'	18,000	4'	17,077	34'	17,077	5'	17,077	5'	17,077	5'	17,077		17,077	3.3918
CENTER STEEL	EALF	15'6"	95'	14'	152,762	14,300	16'	18,000	4'	18,000	4'	17,077	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.5531
DRAWWORKS	EALF	15'6"	95'	14'	118,608	14,300	16'	18,000	4'	18,000	4'	17,077	34'	17,077	5'	17,077		17,077		17,077	3.2307		
MUD BOAT	EALF	15'	95'	14'	135,685	14,300	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.3859		
HPU UNIT	EALF	15'	95'	14'	119,685	14,300	16'	17,500	4'	17,500	34'	14,077	5'	14,077	5'	14,077	5'	14,077	5'	14,077			

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	
DERRICK BUTT SECTION	15'	95'	14'	118,608	0.3567	16'	18,000	4'	18,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077								2.2656
					14,300																				3.2246
					0.3567		1.2113																		2.2656
							1.3755																		3.2246
Total				6,097,096																					171.4550

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
motor	15'8"	95'	11'1"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934						1.4923												
motor	15'8"	95'	11'1"	124,008	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.4424	
	EALF				0.3567		2.5934						1.4923												
rig house	16'	110'	13'4"	160,000	14,300	16'	19,000	4'	19,000	4'	19,000	34'	17,740	5'	17,740	5'	17,740	5'	17,740	5'	17,740	5'	17,740	4.3962	
	EALF				0.3567		2.0762						1.9633												
mud pump	15'6"	95'	12'6"	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.2279	
	EALF				0.3567		2.2175						1.6536												
mud pump	15'6"	95'	12'6"	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.2279	
	EALF				0.3567		2.2175						1.6536												
shaker skid	15'8"	110'	12'6"	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.2279	
	EALF				0.3567		2.2175						1.6536												
mudd tank (empty)	15'8"	110'	12'6"	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
mudd tank (empty)	15'8"	110'	12'6"	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
gas buster	16'	110'	12'	141,085	14,300	16'	20,700	4'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.6038	
	EALF				0.3567		2.5934						1.6536												
B.O.P SKID	15'	110'	14'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
HOUSE	15'	110'	14'	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.2279	
	EALF				0.3567		2.2175						1.6536												
HOUSE	16'	110'	14'	104,608	14,300	16'	2,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							2.0046	
	EALF				0.3567		0.1556						1.4923												
HOUSE	16'	110'	14'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
HPU UNIT	15'3"	110'	12'2"	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
sub	15'3"	110'	12'6"	155,175	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154	
	EALF				0.3567		4.1968						2.6619												
sub	15'3"	110'	12'6"	155,175	14,300	16'	23,000	4'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975					7.2154	
	EALF				0.3567		4.1968						2.6619												
drawworks	15'3"	110'	12'6"	120,000	13,300	16'	16,000	4'	16,000	34'	14,700	5'	15,000	5'	15,000	5'	15,000	5'	15,000					1.9773	
	EALF				0.2589		0.8097						0.9087												
center steel	15'4"	110'	13'8"	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
bop handler	15'9"	110'	13'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
crown section of derrick	14'6"	95'	15'	105,531	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077									3.9055	
	EALF				0.3567		2.2175						1.3312												
mudd boat	14'	110'	14'	139,685	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077					4.2279	
	EALF				0.3567		2.2175						1.6536												
butt section of derrick	14'8"	95'	14'	122,608	14,300	16'	20,000	4'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077							4.0666	
	EALF				0.3567		2.2175						1.4923												
Total				2,868,879									1.4923											93.8750	

Descripton	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																							EALF	
EXCAVATOR	14'	75'	12'	150,500	14,000	14'	20,500	5'	20,500	5'	20,500	36'	18,750	5'	18,750	5'	18,750	5'	18,750					5.4504
	EALF				0.3247				2.8498						2.2759									
Pump	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567				1.6576						1.6536									
Substructure	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567				1.6576						1.6536									
Shaker	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567				1.6576						1.6536									
SCR House	15'	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750							3.0523
	EALF				0.3567				1.6576						1.0380									
Drillers Cabin	15'	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750							3.0523
	EALF				0.3567				1.6576						1.0380									
Derrick	15'	87'	13'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
	EALF				0.3567				2.5934						1.0380									
Drawworks	15'	87'	13'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
	EALF				0.3567				2.5934						1.0380									
Mud Tank	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
	EALF				0.3567				2.5934						1.0380									
Mud Boat	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
	EALF				0.3567				2.5934						1.0380									
Generator	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
	EALF				0.3567				2.5934						1.0380									
Catwalk	15'	87'	12'	118,525	14,300	18'	20,700	4'	20,700	38'	15,575	4'	15,750	4'	15,750	4'	15,750							3.9753
	EALF				0.3567				2.5934						1.0252									
Total				1,586,180																			46.4747	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																									EALF	
MUD PUMP	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			
	EALF				0.3567				1.6576								1.6536								3.6679	
DRILLERS CABIN	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			
	EALF				0.3567				1.6576								1.6536								3.6679	
SCR HOUSE	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			
	EALF				0.3567				1.6576								1.6536								3.6679	
SUBSTRUCTURE	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			
	EALF				0.3567				1.6576								1.6536								3.6679	
CROWN	15'	87'	13'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
MUD TANK	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
BUNK HOUSE	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
SHAKER SKID	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
CENTER	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
GENERATOR	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
BUNK HOUSE	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
DRAWWORKS	15'	72'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									
	EALF				0.3567				2.5934							1.0380									3.9881	
Total				1,564,340					2.5934						1.0380										46.5767	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																									EALF	
Mud Pump	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567				1.6576								1.6536									
Mud Pump	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567				1.6576								1.6536									
Substructure	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567				1.6576								1.6536									
Substructure	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567				1.6576								1.6536									
Mud Pump	15'	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077		3.6679	
	EALF				0.3567				1.6576								1.6536									
Crown	15'	95'	14'	141,085	14,300	18'	20,700	4'	20,700	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077						4.6038	
	EALF				0.3567				2.5934								1.6536									
Mud Tank	15'	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.0523	
	EALF				0.3567				1.6576								1.0380									
Mud Tank	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Drawworks	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Catwalk	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Generator	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Generator	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Driller's Cabin	15'	87'	14'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Center	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Mud Boat	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Derrick	15'	87'	14'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750								3.9881	
	EALF				0.3567				2.5934								1.0380									
Total				2,109,110																					61.8889	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
DERRICK	EALF	15'6"	85'	14'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523
					0.3567																				
DRAWWORKS	EALF	15'	82'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
CAT WALK	EALF	13'6"	91'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
TOP HOUSE	EALF	15'6"	98'	13'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
					0.3567																				
CHOKE MANIFOLD	EALF	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
PUMP	EALF	15'6"	98'	12'6"	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
					0.3567																				
PUMP	EALF	15'6"	98'	12'6"	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
					0.3567																				
SCR HOUSE	EALF	15'6"	98'	12'6"	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
					0.3567																				
SUBSTRUCTURE	EALF	15'6"	98'	12'6"	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.6679
					0.3567																				
MCC UNIT	EALF	15'6"	90'	12'6"	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523
					0.3567																				
PUSHER HOUSE	EALF	15'6"	90'	13'6"	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750					3.0523
					0.3567																				
PONY SUB	EALF	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
CHOKE	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
MUD BOAT	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
GENERATOR	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
HYDRAULIC UNIT	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
MUD TANK	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
SHAKER	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
MUD TANK	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
GENERATOR	EALF	15'6"	87'	12'6"	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.9881
					0.3567																				
Total					2,586,725																			75.3541	

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF	
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing		weight
SUBSTRUCTURE	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	
	EALF				0.3567																			3.6679
PUMP	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	
	EALF				0.3567																			3.6679
CROWN SECTION	15'6"	98'	14'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	
	EALF				0.3567																			3.6679
SHAKER	15'6"	90'	12'6"	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750					
	EALF				0.3567											1.0380								3.0523
CENTER	15'6"	90'	12'6"	131,300	14,300	18'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750					
	EALF				0.3567											1.0380								3.0523
HYDRAULIC UNIT	15'6"	98'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	5'	15,750					
	EALF				0.3567											1.0380								3.0523
MUD TANK	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							
	EALF				0.3567			2.5934								1.0380								3.9881
SCR HOUSE	15'	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							
	EALF				0.3567			2.5934								1.0380								3.9881
MUD BOAT	15'6"	87'	14'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							
	EALF				0.3567			2.5934								1.0380								3.9881
DERRICK	15'6"	87'	14'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							
	EALF				0.3567			2.5934								1.0380								3.9881
GENERATOR	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750							
	EALF				0.3567			2.5934								1.0380								3.9881
JUNK BOX	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	28'	15,750	4'	15,750	4'	15,750	4'	15,750							
	EALF				0.3567			2.5934								1.0380								3.9881
Total				1,567,155																				44.0894

Descriptor	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	
Substructure	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
	EALF				0.3567			1.6576									1.6536						
Substructure	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
	EALF				0.3567			1.6576									1.6536						
Driller's Cabin	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
	EALF				0.3567			1.6576									1.6536						
Pump	15'6"	97'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	39'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
	EALF				0.3567			1.6576									1.6536						
Pump	15'6"	97'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	39'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
	EALF				0.3567			1.6576									1.6536						
SCR House	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
	EALF				0.3567			1.6576									1.6536						
Mud Tank	15'6"	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750				3.0523
	EALF				0.3567			1.6576									1.0380						
Mud Tank	15'6"	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750				3.0523
	EALF				0.3567			1.6576									1.0380						
Blow Out Preventer	15'6"	76'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	39'	15,750	4'	15,750	4'	15,750	4'	15,750				3.0523
	EALF				0.3567			1.6576									1.0380						
Generator	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Generator	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Catwalk	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Shaker	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Shaker	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Drawworks	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Mud Boat	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750						3.9881
	EALF				0.3567			2.5934									1.0380						
Total				2,146,910																			59.0814

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total		
																												EALF		
PUMP	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077							
	EALF				0.3567				1.6576								1.6536											3.6679		
SUBSTRUCTURE	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077							
	EALF				0.3567				1.6576								1.6536												3.6679	
SCR HOUSE	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077							
	EALF				0.3567				1.6576								1.6536													3.6679
MUD TANK	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750													
	EALF				0.3567			2.5934					1.0380																	3.9881
DRAWWORKS	15'6"	72'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750															
	EALF				0.3567			2.5934					1.0380																	3.9881
MUD BOAT	15'6"	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750											
	EALF				0.3567				1.6576								1.0380													3.0523
CROWN SECTION	15'6"	90'	14'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750											
	EALF				0.3567				1.6576								1.0380													3.0523
DERRICK	15'6"	98'	14'	141,085	14,300	18'	20,700	4'	20,700	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077											
	EALF				0.3567			2.5934									1.6536													4.6038
Total				1,102,140																								29.6884		

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total
																										EALF
S.E.R. House	15'6"	93'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567		1.6576						1.6536													
Pusher House	15'6"	99'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567		1.6576						1.6536													
Mud Pump	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567		1.6576						1.6536													
Shakers	15'6"	84'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Pony Sub	15'6"	80'	10'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Substructure	15'6"	84'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Mud Tank	15'6"	84'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Mud Tank	15'6"	98'	12'	153,685	14,300	17'	18,000	4'	18,000	4'	18,000	38'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077			3.6679
	EALF				0.3567		1.6576						1.6536													
Generator	15'6"	85'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750									3.0523
	EALF				0.3567		1.6576						1.0380													
Generator	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Generator	15'6"	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.0523
	EALF				0.3567		1.6576						1.0380													
Choke Manifold	15'6"	90'	12'	131,300	14,300	17'	18,000	4'	18,000	4'	18,000	38'	15,750	4'	15,750	4'	15,750	4'	15,750							3.0523
	EALF				0.3567		1.6576						1.0380													
Catwalk	15'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Derrick	15'6"	89'	12'	118,700	14,300	18'	20,700	4'	20,700	40'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Mud Boat	13'6"	87'	12'	118,700	14,300	18'	20,700	4'	20,700	38'	15,750	4'	15,750	4'	15,750	4'	15,750									3.9881
	EALF				0.3567		2.5934				1.0380															
Drawworks	15'6"	83'	12'	109,700	14,300	18'	20,700	4'	20,700	43'	18,000	4'	18,000	4'	18,000											4.6077
	EALF				0.3567		2.5934				1.6576															
Total				2,067,940																						60.3414

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
CRAWLER CRANE	15'	95'	12'	172,875	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2328	
	EALF				1.0000																				
V F D HOUSE	14'6"	85'	12'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
GENERATOR HOUSE	14'6"	85'	12'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
GENERATOR HOUSE	15'6"	85'	12'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
GENERATOR HOUSE	15'6"	85'	12'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
MUD TANK	15'6"	85'	13'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
WATER TANK	15'6"	85'	12'	136,200	14,300	13'	23,000	4'	23,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567																				
MUD PUMP	15'6"	85'	13'6"	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
mud pump	15'6"	85'	13'6"	158,875	18,000	17'	23,000	5'	23,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.8587	
	EALF				1.0000																				
TOP DOG HOUSE	15'6"	85'	13'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
DRAW WORKS	14'	85'	12'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
CENTER PIECE	14'6"	85'	15'	136,200	14,300	13'	23,000	4'	23,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.9557	
	EALF				0.3567																				
SUBSTRUCTURE	15'9"	85'	10'	158,875	18,000	17'	23,000	5'	23,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.8587	
	EALF				1.0000																				
CRAWLER CRANE	15'6"	85'	12'3"	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
TRIP TANK	15'6"	85'	12'	158,875	18,000	17'	23,000	5'	23,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.8587	
	EALF				1.0000																				
MUD BOAT	14'	85'	14'	158,875	18,000	17'	23,000	5'	23,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.8587	
	EALF				1.0000																				
DERRICK CROWN SECTION	15'6"	85'	14'	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
A LEG SECTION	15'6"	85'	14'4"	172,695	18,000	13'	20,000	4'	20,000	4'	20,000	37'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2100	
	EALF				1.0000																				
Crane Truck	13'4"	69'	8'6"	102,500	12,500	18'	22,500	5'	22,500	34'	22,500	12'	22,500											9.5100	
	EALF				0.1971																				
MANIFOLD	14'	69'	13'6"	84,490	12,000	17'	18,986	5'	18,986	42'	17,259	5'	17,259											3.0539	
	EALF				0.1649																				
Sideboom	14'	110'	12'	133,000	13,000	14'	20,000	5'	20,000	5'	20,000	36'	20,000	5'	20,000	5'	20,000	5'	20,000	5'	20,000	5'	20,000	5.3759	
	EALF				0.2341																				
CRAWLER CRANE	15'3"	95'	12'6"	172,875	18,000	13'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2328	
	EALF				1.0000																				
Compressor	13'6"	70'	11'	120,000	14,300	19'	22,850	4'	22,850	37'	20,000	5'	20,000	5'	20,000									7.0005	
	EALF				0.3567																				
Total				3,593,285																				151.0622	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total	
																							EALF	
Mud Tank	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Sub Structure	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
A Leg	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Mud Tank	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
SCR House	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Draw Works	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Mud Tank	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Mud Tank	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
A Leg	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
A Leg	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Mud Pump	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Crane	14'10"	110'	13'8"	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
SCR House	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Motor Skid	16'	110'	14'	149,900	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.2979
	EALF				0.3247		2.5709		2.4022															
Center Steel	16'	105'	14'	149,900	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.2979
	EALF				0.3247		2.5709		2.4022															
SCR House	16'	105'	14'	149,900	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.2979
	EALF				0.3247		2.5709		2.4022															
SCR House	16'	95'	14'	120,000	16,000	18'	22,000	4'	22,000	32'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5839
	EALF				0.5887		3.4244		2.5709															
Crown Section	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
SCR House	16'	110'	14'	168,875	14,000	18'	20,000	4'	20,000	4'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.6619															
Total				3,102,825																			105.8407	

Description	Height	Length	Width	GVW	Axle		Axle		Axle		Axle		Axle		Axle		Axle		Axle		Unit Total EALF			
					weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing	weight	Spacing		weight	Spacing	
BUNK HOUSE	14'	105'	16'	120,000	12,500	15'	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276		
	EALF				0.1971		1.0972		1.0972		0.8332		0.8332		0.8332		0.8332		0.8332		0.8332			
BUNK HOUSE	14'	105'	16'	120,000	12,500	15'	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276		
	EALF				0.1971		1.0972		1.0972		0.8332		0.8332		0.8332		0.8332		0.8332		0.8332			
GAS BUSTER	16'	97'	14'	138,294	14,300	15'	18,562	5'	18,562	5'	18,562	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	3.7330		
	EALF				0.3567		1.8840		1.8840		1.4923		1.4923		1.4923		1.4923		1.4923		1.4923			
SUCTION TANK	15'10"	110'	13'	169,175	14,300	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
	EALF				0.3567		2.5709		2.5709		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
PUMP	15'6"	90'	13'	158,875	18,000	20'	23,000	5'	23,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.8587
	EALF				1.0000		4.1968		4.1968		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
GRASS HOPPER	14'	110'	13'	120,000	14,300	15'	18,500	5'	18,500	32'	17,200	5'	17,200	5'	17,150	5'	17,150	5'	17,150	5'	17,150	5'	17,150	3.4449
	EALF				0.3567		1.5570		1.5570		1.5312		1.5312		1.5312		1.5312		1.5312		1.5312		1.5312	
MOTOR	15'6"	90'	13'	120,000	14,300	15'	17,500	5'	17,500	32'	17,700	5'	17,700	5'	17,700	5'	17,600	5'	17,600	5'	17,600	5'	17,600	3.3107
	EALF				0.3567		1.2113		1.2113		1.7427		1.7427		1.7427		1.7427		1.7427		1.7427		1.7427	
MUD PUMP	15'6"	90'	13'	169,175	14,300	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5895
	EALF				0.3567		2.5709		2.5709		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
WATER TANK	15'6"	110'	13'	120,000	14,300	20'	17,000	5'	17,000	32'	14,250	5'	14,250	5'	14,250	5'	14,700	5'	14,700	5'	14,700	5'	14,700	2.1770
	EALF				0.3567		1.0630		1.0630		0.7573		0.7573		0.7573		0.7573		0.7573		0.7573		0.7573	
SCR HOUSE	16'	110'	14'	120,000	14,300	20'	17,000	5'	17,000	32'	14,340	5'	14,340	5'	14,340	5'	14,340	5'	14,340	5'	14,340	5'	14,340	2.1770
	EALF				0.3567		1.0630		1.0630		0.7573		0.7573		0.7573		0.7573		0.7573		0.7573		0.7573	
SUB STRUCTURE	15'6"	100'	13'	172,875	18,000	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2328
	EALF				1.0000		2.5709		2.5709		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
A LEG	15'	100'	10'	120,000	14,000	20'	18,000	5'	18,000	32'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	2.3811
	EALF				0.3247		1.3755		1.3755		0.6808		0.6808		0.6808		0.6808		0.6808		0.6808		0.6808	
SUBSTRUCTURE	15'6"	110'	13'	168,875	14,000	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.5575
	EALF				0.3247		2.5709		2.5709		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
A LEG	15'	110'	10'	120,000	14,300	20'	17,500	5'	17,500	32'	14,140	5'	14,140	5'	14,140	5'	14,140	5'	14,140	5'	14,140	5'	14,140	2.2796
	EALF				0.3567		1.2113		1.2113		0.7115		0.7115		0.7115		0.7115		0.7115		0.7115		0.7115	
DRAW WORKS	16'	90'	14'	172,875	18,000	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.2328
	EALF				1.0000		2.5709		2.5709		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
CROWN	15'10"	110'	14'	177,275	20,600	15'	20,600	5'	20,600	5'	20,600	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.4145
	EALF				1.8442		2.9083		2.9083		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
CRANE	14'	110'	11'	177,275	20,600	15'	20,600	5'	20,600	5'	20,600	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.4145
	EALF				1.8442		2.9083		2.9083		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619		2.6619	
dog house	15'8"	110'	13'	120,000	14,000	15'	20,000	5'	20,000	32'	13,200	5'	13,200	5'	13,200	5'	13,200	5'	13,200	5'	13,200	5'	13,200	3.0673
	EALF				0.3247		2.2175		2.2175		0.5250		0.5250		0.5250		0.5250		0.5250		0.5250		0.5250	
Total				2,584,694																			78.7157	

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total
																											EALF
CRANE	EALF	14'10"	100'	13'6"	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
FORK LIFT	EALF	15'3"	90'	10'	120,000	18,000	1.0000	16,000	5'	16,000	34'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	5'	14,000	2.4906
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	0.1971	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	0.1971	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	0.1971	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276
CRANE	EALF	14'10"	110'	13'6"	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
TRIP TANK	EALF	16'3"	110'	12'	130,508	20,800	1.9272	20,700	5'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	6.0130
RIG HOUSE	EALF	15'6"	110'	14'	159,071	18,000	1.0000	18,562	5'	18,562	5'	18,562	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.5376
MUD PUMP	EALF	15'6"	110'	14'	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
MUD PUMP	EALF	15'6"	110'	14'	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
RIG HOUSE	EALF	15'6"	110'	14'	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
DERRICK SECTION	EALF	15'6"	120'	14'	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
DERRICK SECTION	EALF	15'6"	120'	14'	174,675	18,000	1.0000	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
RIG HOUSE	EALF	15'6"	110'	14'	155,700	18,000	1.0000	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.3105
scr house	EALF	14'	110'	11'	177,275	20,600	1.8442	20,600	5'	20,600	5'	20,600	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.4145
MUD BOAT	EALF	14'	110'	15'	126,000	18,000	1.0000	18,000	5'	18,000	32'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000	4.2677
RIG HOUSE	EALF	16'	120'	14'	158,300	20,600	1.8442	20,600	5'	20,600	5'	20,600	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.1548
SUB STRUCTURE	EALF	14'2"	105'	10'	144,785	18,000	1.0000	20,700	5'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5.2470
SUB STRUCTURE	EALF	14'2"	105'	10'	144,785	18,000	1.0000	20,700	5'	20,700	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5.2470
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	0.1971	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276
BUNK HOUSE	EALF	15'5"	105'	16'	120,000	12,500	0.1971	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276
BUNK HOUSE	EALF	15'5"	105'	16'	120,000	12,500	0.1971	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	2.1276
CRANE	EALF	14'6"	115'	13'6"	176,675	20,000	1.6121	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.1823
CRANE	EALF	14'6"	115'	13'6"	176,675	20,000	1.6121	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.1823
Total					3,612,499																						121.8044

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total
																									EALF
mudtank	16'	110'	14'	174,875	20,000	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.8450
LINE TRUCK (Crane)	EALF	13'4"	69'	8'6"	102,500	18'	22,500	5'	22,500	34'	22,500	12'	22,500												9.5100
Rig Skid, House, Tank	EALF	16'	110'	14'	174,875	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.8450
mudtank	EALF	16'	110'	14'	174,875	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.8450
Fuel tank	EALF	16'	110'	14'	155,900	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5853
motor	EALF	16'	110'	14'	120,000	15'	20,000	5'	20,000	32'	16,500	5'	16,500	5'	16,500	5'	16,500								3.8209
House	EALF	16'	110'	14'	162,000	15'	18,000	5'	18,000	5'	18,000	32'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000	5'	18,000		4.7542
motor	EALF	16'	110'	14'	120,000	15'	20,000	5'	20,000	32'	16,500	5'	16,500	5'	16,500	5'	16,500								3.8209
motor	EALF	16'	110'	14'	120,000	15'	20,000	5'	20,000	32'	16,500	5'	16,500	5'	16,500	5'	16,500								3.8209
pump	EALF	16'	110'	14'	174,875	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.8450
pump	EALF	16'	110'	14'	174,875	15'	20,000	5'	20,000	5'	20,000	32'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.8450
Manifold	EALF	14'	69'	13'6"	84,490	17'	18,986	5'	18,986	42'	17,259	5'	17,259												3.0539
tool house	EALF	15'6"	85'	14'	152,950	15'	20,600	5'	20,600	34'	18,750	5'	18,750	5'	18,750	5'	18,750	5'	18,750						6.0587
RIG HOUSE	EALF	15'6"	110'	14'	120,000	15'	18,695	5'	18,697	34'	17,077	5'	17,077	5'	17,077	5'	17,077								3.4821
SUB STRUCTURE	EALF	15'	105'	9'8"	174,675	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5702
CRANE	EALF	14'10"	110'	13'6"	174,675	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5702
RIG HOUSE	EALF	16'	105'	14'	120,000	20'	17,100	5'	17,100	34'	13,500	5'	13,500	5'	13,500	5'	13,800	5'	13,500						2.6826
RIG HOUSE	EALF	16'	105'	14'	120,000	20'	17,100	5'	17,100	34'	13,600	5'	13,600	5'	13,600	5'	13,500	5'	13,500						2.6826
DOG HOUSE	EALF	16'	100'	10'	120,000	15'	18,696	5'	18,696	34'	17,077	5'	17,077	5'	17,077	5'	17,077								3.4821
WIRE TRAY	EALF	14'	110'	8'6"	140,994	15'	18,562	5'	18,562	5'	18,562	34'	17,077	5'	17,077	5'	17,077	5'	17,077						4.1491
SUB STRUCTURE	EALF	16'	110'	14'	174,675	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5702
CENTER STEEL	EALF	14'	90'	14'	120,000	15'	17,000	5'	17,000	34'	18,000	5'	18,000	5'	18,000	5'	18,000								3.2799
DRAW WORKS	EALF	15'6"	105'	14'	174,675	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5702
A LEG	EALF	16'	110'	10'	158,875	20'	23,000	5'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975						7.8587
CROWN SECTION	EALF	16'	110'	14'	174,675	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5702
A LEG	EALF	16'	110'	10'	158,875	15'	23,000	5'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975						7.8587
JUNK BOX	EALF	14'	105'	14'	137,000	15'	17,000	5'	17,000	5'	17,000	34'	17,000	5'	17,000	5'	17,000	5'	17,000						3.7686
CRANE	EALF	14'	105'	13'6"	174,675	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975		6.5702
Total				4,136,009																					154.3151

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Unit Total	
																								EALF	
CRANE	EALF	14'10"	110'	13'6"	174,675	18,000	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
						1.0000			2,9083						2,6619										
BUNK HOUSE	EALF	14'	105'	16'	120,000	12,500	15'	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652			2.1276
						0.1971			1.0972						0.8332										
BUNK HOUSE	EALF	15'5"	105'	14'	120,000	12,500	15'	17,120	4'	17,120	33'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652			2.1276
						0.1971			1.0972						0.8332										
CRANE	EALF	14'10"	106'	13'6"	174,675	18,000	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
						1.0000			2,9083						2,6619										
MUD TANK	EALF	15'6"	110'	13'	170,975	14,300	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.9269
						0.3567			2,9083						2,6619										
MUD PUMP	EALF	15'6"	90'	14'	170,975	14,300	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.9269
						0.3567			2,9083						2,6619										
MUD TANK	EALF	15'6"	110'	13'	174,675	18,000	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
						1.0000			2,9083						2,6619										
MUD PUMP	EALF	15'6"	90'	14'	174,675	18,000	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
						1.0000			2,9083						2,6619										
MUD TANK	EALF	16'6"	90'	14'	155,700	18,000	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.3105
						1.0000			2,9083						2,4022										
MUD TANK	EALF	16'6"	90'	14'	152,000	14,300	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.6673
						0.3567			2,9083						2,4022										
MOTOR	EALF	14'	90'	12'	170,875	16,000	14'	20,000	5'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.8215
						0.5887			2,5709						2,6619										
SCR HOUSE	EALF	14'6"	90'	13'	161,385	16,000	19'	20,000	5'	20,000	5'	20,000	34'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	4.8132
						0.5887			2,5709						1,6536										
DRAW WORKS	EALF	15'6"	90'	13'	174,675	18,000	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	6.5702
						1.0000			2,9083						2,6619										
SUB STRUCTURE	EALF	15'6"	105'	13'	170,975	14,300	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.9269
						0.3567			2,9083						2,6619										
SUB STRUCTURE	EALF	15'6"	105'	13'	170,975	14,300	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.9269
						0.3567			2,9083						2,6619										
RIG HOUSE	EALF	15'10"	90'	12'	120,000	18,000	20'	16,000	5'	16,000	34'	17,500	5'	17,500	5'	17,500	5'	17,500	5'	17,500	5'	17,500	5'	17,500	3.4759
						1.0000			0.8097						1,6662										
A LEG	EALF	16'	120'	10'	170,975	14,300	15'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5.9269
						0.3567			2,9083						2,6619										
A LEG	EALF	16'	120'	10'	155,175	14,300	20'	23,000	5'	23,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.2154
						0.3567			4,1968						2,6619										
RIG HOUSE	EALF	15'10"	105'	14'	130,200	14,300	20'	20,000	5'	20,000	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	4.9765
						0.3567			2,2175						2,4022										
CROWN SECTION	EALF	15'9"	110'	17'	120,000	18,000	20'	17,000	5'	17,000	34'	13,500	5'	13,500	5'	13,500	5'	13,500	5'	13,750	5'	13,750	5'	13,750	2.6619
						1.0000			1,0630						0,5989										
CRANE	EALF	14'	105'	12'	177,275	20,600	14'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.4145
						1,8442			2,9083						2,6619										
CRANE	EALF	14'6"	110'	13'6"	177,275	20,600	14'	20,600	5'	20,600	5'	20,600	34'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	5'	18,975	7.4145
						1,8442			2,9083						2,6619										
MANIFOLD	EALF	16'6"	100'	10'	114,125	14,300	16'	20,625	5'	20,625	5'	20,625	35'	18,975	5'	18,975									5.0262
						0.3567			2,9230						1,7464										
Total					3,602,260																			127.5383	

SUPPLEMENTAL APPENDIX 2



**Supplemental Appendix 2
Typical Rig Vehicle Combination**

Descriptor	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Unit Total EALF	
Fuel Tank	15'	85'	10'	128,960	14,300 0.3567	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	3.7834	
FUEL TANK	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	4.4424
FUEL TANK	EALF	16'	85'	13'	124,008	14,300 0.3567	17'	20,700	4'	20,700	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	4.4424
Trip Tank	EALF	16'	85'	13'	118,608	14,300 0.3567	17'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.2246
HPU	EALF	16'	85'	13'	118,608	14,300 0.3567	17'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.2246
Bunk House	EALF	16'	85'	13'	118,608	14,300 0.3567	17'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.2246
Generator	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
Mud Tank	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
Ramp	EALF	16'	85'	14'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
B.O.P. Handler	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
SCR	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
Floor House	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
B.O.P.	EALF	16'	85'	13'	143,108	20,800 1.9272	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	5.0771
Derrick	EALF	16'	95'	15'	122,300	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	18,000	4'	18,000	4'	18,000	4'	18,000	4'	18,000	4'	18,000	4'	3.6719
Derrick	EALF	16'	95'	15'	113,300	14,300 0.3567	17'	18,000	4'	18,000	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	2.7703
Center Substructure	EALF	16'	85'	13'	128,960	14,300 0.3567	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	3.7834
Generator	EALF	16'	85'	13'	118,700	14,300 0.3567	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	3.9881
Shaker Skid	EALF	16'	85'	13'	118,700	14,300 0.3567	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	3.9881
Utility Skid	EALF	16'	85'	13'	118,700	14,300 0.3567	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	3.9881
Drawworks	EALF	16'	85'	13'	118,700	14,300 0.3567	17'	20,700	4'	20,700	32'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	15,750	4'	3.9881
Mud Tank	EALF	16'	85'	13'	128,960	14,300 0.3567	17'	20,700	4'	20,700	32'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	14,652	4'	3.7834
Mud Pump	EALF	16'	85'	13'	153,685	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Substructure	EALF	16'	95'	13'	153,685	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
MCC	EALF	16'	85'	13'	153,685	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Mud Pump	EALF	16'	85'	13'	153,685	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Substructure	EALF	16'	85'	13'	153,685	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Crew house	EALF	16'	95'	14'	153,685	14,300 0.3567	14'	18,000	4'	18,000	4'	18,000	32'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	17,077	5'	3.6679
Total				3,624,986																					109.850843	

SUPPLEMENTAL APPENDIX 3



Data Set: 1- DEWITTGeneral.xls

This is a list of all "General" type permits that started or stopped within 10 miles of the coordinates you provided. Due to the fact that some permits started AND stopped within this area there will be some duplicates.

Start Date	End Date	Load Description	Height	Length	Width	GVW	Axle Weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	
2/8/2012	2/12/2012	BUNHOUSE	16	85	14	153685	14300	14	18000	4	18000	4	18000	32	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	CREW HOUSE	16	85	14	153685	14300	14	18000	4	18000	4	18000	32	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	BOP HANDLER	16	85	14	143108	20800	14	18000	4	18000	4	18000	32	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	MCC HOUSE	16	85	14	153685	14300	14	18000	4	18000	4	18000	32	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	DERRICK	16	85	14	122300	14300	14	18000	4	18000	4	18000	32	18000	4	18000	4	18000	4	18000	4	18000
2/8/2012	2/12/2012	DERRICK	16	95	15	152800	20800	17	20700	4	20700	32	15750	4	15750	4	15750	4	15750	4	15750	4	15750
2/8/2012	2/12/2012	SCR HOUSE	16	85	14	141085	14300	17	20700	4	20700	32	17077	5	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	SPRAYER	14	75	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/8/2012	2/12/2012	MUD PUMP	16	85	14	141085	14300	17	20700	4	20700	32	17077	5	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	SUBSTRUCTURE	16	85	14	141085	14300	17	20700	4	20700	32	17077	5	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	BUNHOUSE	16	85	14	141085	14300	17	20700	4	20700	32	17077	5	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	CREW HOUSE	16	85	14	141085	14300	17	20700	4	20700	32	17077	5	17077	5	17077	5	17077	5	17077	5	17077
2/8/2012	2/12/2012	DOZER	14	75	13	063800	14300	19	23000	6	23000	36	23000	5	23000	5	23000	5	23000	5	23000	5	23000
2/8/2012	2/12/2012	Empty Tank	15	70	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/8/2012	2/12/2012	Manufactured House	13	70	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/8/2012	2/12/2012	Manufactured House	13	70	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/8/2012	2/12/2012	BLENDER TRAILER IN TOW - REGISTERED	13	70	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/8/2012	2/12/2012	CRANE TRAILER INTOW	13	70	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/8/2012	2/12/2012	MANUFACTURER TRAILER IN TOW (REG)	13	70	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/9/2012	2/13/2012	2012 pump 32826	15	110	14	136200	14300	15	23000	4	23000	34	18975	5	18975	5	18975	5	18975	5	18975	5	18975
2/9/2012	2/13/2012	Manufactured House	15	76	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	Manufactured House	15	76	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	Manufactured House	15	76	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	MOUNT MOVER	14	82	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	MOUNT MOVER	14	82	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	MOUNT MOVER	14	82	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	MOUNT MOVER	14	82	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	SEPARATOR SKID	15	89	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/11/2012	2/15/2012	Manufactured House	14	99	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	Manufactured House	13	99	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	Manufactured House	13	99	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	Manufactured House	13	99	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/10/2012	2/14/2012	Manufactured House	13	99	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/11/2012	2/15/2012	Manufactured House	15	107	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/12/2012	2/16/2012	Manufactured House	14	96	14	0	0	0															

Data Set: 1- DEWITTGeneral.xls

This is a list of all "General" type permits that started or stopped within 10 miles of the coordinates you provided. Due to the fact that some permits started AND stopped within this area there will be some duplicates.

Start Date	End Date	Load Description	Height	Length	Width	GVW	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing		
2/24/2012	2/28/2012	SUBSTRUCTURE	15'	90'	12"	153865	14300	17	18000	4	18000	4	18000	38	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	MCC UNIT	15'	90'	12"	131300	14300	17	18000	4	18000	4	18000	38	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	PUSHER HOUSE	15'	90'	13"	131300	14300	17	18000	4	18000	4	18000	38	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	POINT SUB	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	CRANE	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	MUD BOAT	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	GENERATOR	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	CHANG HOUSE	15'	87'	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/24/2012	2/28/2012	HYDRAULIC UNIT	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	MUD TANK	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	SHAKER	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	MUD TANK	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	GENERATOR	15'	87'	12"	118700	14300	18	20700	4	20700	38	15750	4	15750	4	15750	4	15750	4	15750	4	15750	
2/24/2012	2/28/2012	DIESEL TANK	15'	87'	12"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/24/2012	2/28/2012	BUNK HOUSE	15'	87'	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/26/2012	3/1/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/26/2012	3/1/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/26/2012	3/1/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/24/2012	2/28/2012	Manufactured House	14'	95'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/24/2012	2/28/2012	Manufactured House	14'	95'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/24/2012	2/28/2012	BUNK HOUSE	14'	105'	16"	120000	12500	15'	17120	4	17120	33	14652	4	14652	4	14652	4	14652	4	14652	4	14652	
2/24/2012	2/28/2012	BUNK HOUSE	14'	105'	16"	120000	12500	15'	17120	4	17120	33	14652	4	14652	4	14652	4	14652	4	14652	4	14652	
2/25/2012	2/29/2012	CRAWLER CRANE	14'	120'	14	196300	14300	15	23000	4	23000	15	23000	4	23000	36	18000	5	18000	5	18000	5	18000	
2/25/2012	2/29/2012	GAS BUSTER	16'	97'	14	138294	14300	15	18562	5	18562	5	18562	32	17077	5	17077	5	17077	5	17077	5	17077	
2/25/2012	2/29/2012	SUCTION TANK	15'	100'	110	13	169175	14300	15	20000	5	20000	5	20000	32	18975	5	18975	5	18975	5	18975	5	18975
2/25/2012	2/29/2012	DERRICK	15'	95'	15	153865	14300	17	18000	4	18000	4	18000	40	17077	5	17077	5	17077	5	17077	5	17077	
2/27/2012	3/2/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/27/2012	3/2/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/25/2012	2/29/2012	PUMP	15'	90'	13	158875	18000	20	23000	5	23000	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/27/2012	3/2/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/27/2012	3/2/2012	Manufactured House	14'	100'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/27/2012	3/2/2012	Manufactured House	14'	105'	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/25/2012	2/29/2012	MOTOR	14'	110	13	120000	14300	15'	18500	5	18500	32	17200	5	17200	5	17150	5	17150	5	17150	5	17150	
2/25/2012	2/29/2012	MOTOR	15'	90'	13	120000	14300	15	17500	5	17500	32	17700	5	17700	5	17700	5	17700	5	17700	5	17700	
2/25/2012	2/29/2012	MUD PUMP	15'	90'	13	169175	14300	15	20000	5	20000	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/25/2012	2/29/2012	WATER TANK	15'	110	13	120000	14300	20	17000	5	17000	32	14250	5	14250	5	14250	5	14250	5	14250	5	14250	
2/25/2012	2/29/2012	MOTOR	16'	100'	14	120000	14300	20	17000	5	17000	32	14340	5	14340	5	14340	5	14340	5	14340	5	14340	
2/25/2012	2/29/2012	SUB STRUCTURE	15'	100'	13	172875	18000	15	20000	5	20000	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/25/2012	2/29/2012	A LEG	15'	100'	10	120000	14000	20	18000	5	18000	32	14000	5	14000	5	14000	5	14000	5	14000	5	14000	
2/25/2012	2/29/2012	CENTER STEEL	14'	95'	13"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/25/2012	2/29/2012	SUBSTRUCTURE	15'	110	13	168875	14000	15	20000	5	20000	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/25/2012	2/29/2012	A LEG	15'	110	10	120000	14300	20	17500	5	17500	32	14140	5	14140	5	14140	5	14140	5	14140	5	14140	
2/25/2012	2/29/2012	DRAW WORKS	16'	90'	14	172875	18000	15	20000	5	20000	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/26/2012	3/1/2012	Manufactured House	15'	110	14	177275	20600	15	20600	5	20600	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/26/2012	3/1/2012	CRANE	14'	110	11	177275	20600	15	20600	5	20600	32	18975	5	18975	5	18975	5	18975	5	18975	5	18975	
2/26/2012	3/1/2012	DOG HOUSE	15'	110	13	120000	14000	15	20000	5	20000	32	13200	5	13200	5	13200	5	13200	5	13200	5	13200	
2/26/2012	3/1/2012	Manufactured House	13'	100	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2/26/2012	3/1/2012	MOTOR	15'	95	11"	123300	14300	16	20000	4	20000	34	17000	5	17000	5	17000	5	17000	5	17000	5	17000	
2/26/2012	3/1/2012	MOTOR	15'	95	11"	139300	14300	16	20000	4	20000	34	17000	5	17000	5	17000	5	17000	5	17000	5	17000	
2/26/2012	3/1/2012	MOTOR	15'	95	11"	139300	14300	16	20000	4	20000	34	17000	5	17000	5	17000	5	17000	5	17000	5	17000	
2/26/2012	3/1/2012	16' Gas Tank	15'	95	11"	139300	14300	16	20000	4	20000	34	17000	5	17000	5	17000	5	17000	5	17000	5	17000	
2/26/2012	3/1/2012	gas buster	15'	100'	13	139300	14300	16	20000	4	20000	34	17000	5	17000	5	17000	5	17000	5	17000	5	17000	
2/27/2012	3/2/2012	crane 32872 106	14'	120'	14	196300	14300	15	23000	4	23000	15	23000	4	23000	36	18000	5	18000	5	18000	5	1	

Data Set: 1- DEWITTGeneral.xls

This is a list of all "General" type permits that started or stopped within 10 miles of the coordinates you provided. Due to the fact that some permits started AND stopped within this area there will be some duplicates.

Table with columns: Start Date, End Date, Load Description, Height, Length, Width, GVW, Axle Weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing. Contains a comprehensive list of permit data for various construction and maintenance projects.

Data Set: 1- DEWITTGeneral.xls

This is a list of all "General" type permits that started or stopped within 10 miles of the coordinates you provided. Due to the fact that some permits started AND stopped within this area there will be some duplicates.

Start Date	End Date	Load Description	Height	Length	Width	GVW	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	Axle Weight	Spacing	
4/19/2012	4/23/2012	DRAW WORKS	156'	105'	13'	170975	14300	15'	20600	5'	20600	5'	20600	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/19/2012	4/23/2012	SUB STRUCTURE	156'	105'	13'	170975	14300	15'	20600	5'	20600	5'	20600	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/19/2012	4/23/2012	RIG HOUSE	15'	110'	14'	0																	
4/19/2012	4/23/2012	CENTER STEEL	14'	90'	14'	0																	
4/19/2012	4/23/2012	RIG HOUSE	15'	110'	14'	0																	
4/19/2012	4/23/2012	RIG HOUSE	15'10"	90'	12'	120000	18000	20'	18000	5'	18000	5'	18000	34'	17500	5'	17500	5'	17500	5'	17500	5'	17500
4/20/2012	4/24/2012	CRANE	145'	120'	15'	170975	14300	15'	20600	5'	20600	5'	20600	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/20/2012	4/24/2012	A LEG	145'	120'	10'	151715	14300	20'	23000	5'	23000	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/20/2012	4/24/2012	32873 Crane	145'	110'	12'	156610	14300	15'	18975	4'	18975	4'	18975	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/20/2012	4/24/2012	RIG HOUSE	15'10"	105'	14'	130200	14300	20'	20000	5'	20000	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/20/2012	4/24/2012	MONKEY BOARD	15'10"	80'	12'	0																	
4/20/2012	4/24/2012	CROWN SECTION	15'9"	110'	17'	120000	18000	20'	17000	34'	13500	5'	13500	5'	13500	5'	13500	5'	13500	5'	13500	5'	13500
4/20/2012	4/24/2012	Manufactured House	14'	99'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House	14'	96'	14'	0																	
4/21/2012	4/25/2012	Manufactured House																					

Data Set: 2- DEWITTHub.xls

This is a list of all active Hub permits which can be used to determine mean and median values for various measurements related to Hub permits

Start date	End date	Load Description	Height	Length	Width	GVW	Axle weight	Axle Spacing	Axle weight	Axle Spacing	Axle weight	Axle Spacing	Axle weight	Axle Spacing	Axle weight	Axle Spacing	Axle weight	Axle Spacing	Axle weight	Axle Spacing	Axle weight	Axle Spacing
5/7/2012	8/6/2012	Well Service Unit	12'10"	67'6"	8'6"	104000	14000	176"	18000	45"	18000	271"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/7/2012	8/5/2012	Well Service Unit	12'10"	67'6"	8'6"	104000	14000	176"	18000	45"	18000	271"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/7/2012	8/5/2012	Well Service Unit	12'10"	67'6"	8'6"	104000	14000	176"	18000	45"	18000	271"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/7/2012	8/5/2012	Well Service Unit	12'10"	67'6"	8'6"	104000	14000	176"	18000	45"	18000	271"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/7/2012	8/5/2012	Well Service Unit	12'10"	67'6"	8'6"	104000	14000	176"	18000	45"	18000	271"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/7/2012	8/5/2012	Well Service Unit	12'10"	67'6"	8'6"	104000	14000	176"	18000	45"	18000	271"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/7/2012	8/5/2012	Well Service Unit	13'8"	80"	8'6"	85000	11000	198"	16000	44"	16000	292"	21000	92"	21000	92"	21000	92"	21000	92"	21000	92"
5/7/2012	8/5/2012	Well Service Unit	14'8"	88"	8'6"	85000	14000	188"	18000	44"	18000	292"	21000	92"	21000	92"	21000	92"	21000	92"	21000	92"
5/7/2012	8/5/2012	Well Service Unit	14'6"	62"	12"	134085	24930	45"	24930	165"	28075	45"	28075	45"	28075	45"	28075	45"	28075	45"	28075	45"
5/7/2012	8/5/2012	Well Service Unit	14'6"	62"	12"	134085	24930	45"	24930	165"	28075	45"	28075	45"	28075	45"	28075	45"	28075	45"	28075	45"
5/7/2012	8/5/2012	Well Service Unit	14'6"	65"	12"	145300	28000	48"	28000	154"	23235	44"	23235	44"	23235	44"	23235	44"	23235	44"	23235	44"
5/7/2012	8/5/2012	Well Service Unit	14'6"	65"	12"	145300	28000	48"	28000	154"	23235	44"	23235	44"	23235	44"	23235	44"	23235	44"	23235	44"
5/7/2012	8/5/2012	Well Service Unit	14'6"	65"	12"	125350	24500	41"	24500	156"	25450	47"	25450	48"	25450	48"	25450	48"	25450	48"	25450	48"
5/7/2012	8/5/2012	Coiled Tubing Unit	14'5"	78'6"	11'6"	203800	22500	153"	20000	46"	21500	46"	21500	46"	21500	236"	24200	46"	24200	46"	24200	46"
5/7/2012	8/5/2012	Coiled Tubing Unit	14'	68'6"	8'6"	115000	12000	18"	18000	4"	18000	28"	20000	5"	20000	5"	20000	5"	20000	5"	20000	5"
5/7/2012	8/5/2012	Crane	13'4"	39"	9'6"	56000	16000	18"	20000	45"	20000	4"	18000	4"	18000	4"	18000	4"	18000	4"	18000	4"
5/7/2012	8/5/2012	Well Service Unit	11'8"	48"	8'6"	94794	21070	42"	21070	148"	26322	5"	26322	5"	26322	5"	26322	5"	26322	5"	26322	5"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	154"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	154"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	154"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	154"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	14'6"	56"	9'6"	100000	18000	46"	18000	17"	21334	46"	21334	46"	21334	46"	21334	46"	21334	46"	21334	46"
5/8/2012	8/6/2012	Well Service Unit	13'5"	62"	8'6"	86000	12280	16"	14860	4"	13160	23"	25000	8"	20700	8"	20700	8"	20700	8"	20700	8"
5/8/2012	8/6/2012	Well Service Unit	13'5"	63"	8'1"	84700	13300	164"	15200	43"	15200	26"	20200	82"	20200	82"	20200	82"	20200	82"	20200	82"
5/8/2012	8/6/2012	Well Service Unit	14'3"	59"	12"	143750	28000	48"	28000	144"	28785	44"	28785	45"	28785	45"	28785	45"	28785	45"	28785	45"
5/8/2012	8/6/2012	Well Service Unit	13'6"	62"	8'7"	86500	12500	16"	15500	4"	15500	28"	21500	4"	21500	4"	21500	4"	21500	4"	21500	4"
5/8/2012	8/6/2012	Crane	13'8"	55"	9'5"	159000	27000	55"	26400	91"	26400	55"	26400	8"	26400	8"	26400	8"	26400	8"	26400	8"
5/8/2012	8/6/2012	Well Service Unit	14'6"	65"	12"	134085	24930	45"	24930	165"	28075	45"	28075	45"	28075	45"	28075	45"	28075	45"	28075	45"
5/8/2012	8/6/2012	Crane	13'8"	82'5"	11'	131150	21075	41'0"	21075	20"	26000	41'0"	26000	15'3"	18500	41'0"	18500	41'0"	18500	41'0"	18500	41'0"
5/8/2012	8/6/2012	Crane	13'8"	82'5"	11'	131150	21075	41'0"	21075	20"	26000	41'0"	26000	15'3"	18500	41'0"	18500	41'0"	18500	41'0"	18500	41'0"
5/8/2012	8/6/2012	Crane	13'3"	49"	9'10"	142000	28400	8'10"	28400	55"	28400	81"	28400	57"	28400	57"	28400	57"	28400	57"	28400	57"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	108000	12000	153"	21000	44"	21000	28"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	108000	12000	153"	21000	44"	21000	28"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	108000	12000	153"	21000	44"	21000	28"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	108000	12000	153"	21000	44"	21000	28"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	153"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	153"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	153"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	112000	12000	153"	20000	44"	20000	28"	20000	46"	20000	46"	20000	46"	20000	46"	20000	46"
5/8/2012	8/6/2012	Coiled Tubing Unit	14'	78'6"	8'6"	160000	12000	152"	20000	48"	24000	46"	24000	29'11"	20000	42"	20000	42"	20000	42"	20000	42"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	86000	12000	182"	19000	46"	18000	27'2"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	86000	12000	182"	19000	46"	18000	27'2"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Coiled Tubing Unit	13'6"	65"	8'	163059	15580	12'1"	19933	51"	19933	46"	19933	25"	21920	46"	21920	46"	21920	46"	21920	46"
5/8/2012	8/6/2012	Well Service Unit	14'6"	71"	12"	150000	25000	43"	25000	43"	25000	16'4"	25000	5"	25000	5"	25000	5"	25000	5"	25000	5"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	108000	12000	153"	20000	44"	20000	28"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/8/2012	8/6/2012	Crane	13'6"	71"	10"	184750	24700	10"	24525	5"	24525	6"	22200	16"	22200	4"	22200	4"	22200	4"	22200	4"
5/8/2012	8/6/2012	Well Service Unit	13'6"	65"	8'6"	84000	22000	172"	14000	44"	24000	43"	24000	43"	24000	43"	24000	43"	24000	43"	24000	43"
5/8/2012	8/6/2012	WELL SERVICING UNIT	13'	40'5"	8'6"	70000	22000	208"	24000	46"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"
5/8/2012	8/6/2012	WELL SERVICING UNIT	13'6"	65"	8'6"	70000	22000	208"	24000	46"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"
5/8/2012	8/6/2012	WELL SERVICING UNIT	13'6"	65"	8'6"	70000	22000	208"	24000	46"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"
5/8/2012	8/6/2012	WELL SERVICING UNIT	13'6"	65"	8'6"	70000	22000	208"	24000	46"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"	24000	42"
5/19/2012	8/7/2012	Crane	13'	65"	10"	160300	27800	8'3"	27400	55"	27400	67"	16100	55"	16100	16'4"	23000	5"	23000	5"	23000	5"
5/19/2012	8/7/2012	Coiled Tubing Unit	14'	73"	9'6"	174500	21000	182"	21000	48"	21000	28"	18000	46"	18000	46"	18000	46"	18000	46"	18000	46"
5/19/2012	8/7/2012	Well Service Unit	13'6"	75"	8'6"	112000	12000	159"	20000	4"	20000	33"	20000	5"	20000	5"	20000	5"	20000	5"	20000	5"
5/19/2012	8/7/2012	Well Service Unit	13'6"	75"	8'6"	112000	12000	159"	20000	4"	20000	33"	20000	5"	20000	5"	20000	5"	20000	5"	20000	5"
5/19/2012	8/7/2012	Well Service Unit	13'6"	75"	8'6"	112000	12000	159"	20000	4"	20000	33"	20000	5"	20000	5"	20000	5"	20000	5"	20000	5"
5/19/2012	8/7/2012	Well Service Unit	13'6"	75"	8'6"	112000	12000	159"	20000	4"	20000	33"	20000	5"	20000	5"	20000	5"	20000	5"	20000	5"
5/19/2012	8/7/2012	Well Service Unit	13'6"	65"	8'6"	86000	12000	142"	18000	47"	18000</											

Data Set: 2- DEWITHub.xls

This is a list of all active Hub permits which can be used to determine mean and median values for various measurements related to Hub permits

Table with columns: Start date, End date, Load Description, Height, Length, Width, GVW, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing, Axle weight, Spacing. The table contains multiple rows of data for various hub permits.

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Data Set: 2- DEWITHub.xls

This is a list of all active Hub permits which can be used to determine mean and median values for various measurements related to Hub permits

Start date	End date	Load Description	Height	Length	Width	GWW	Axis weight	Axis Spacing	Axis weight	Axis Spacing	Axis weight	Axis Spacing	Axis weight	Axis Spacing	Axis weight	Axis Spacing	Axis weight	Axis Spacing	Axis weight	Axis Spacing	
5/17/2012	8/15/2012	Well Service Unit	137	572	8	8800	15000	14	17000	4	17000	33	1800	4	19000						
5/17/2012	8/15/2012	Well Service Unit	132	74	83	8500	11500	14	17000	4	17000	24	19750	4	19750						
5/16/2012	8/14/2012	Well Service Unit	146	67	108	12250	23000	510	23000	196	25500	410	25500	410	25500						
5/17/2012	8/15/2012	Crane	136	78	1010	8500	11000	124	17000	4	17000	43	2000	4	2000						
5/17/2012	8/15/2012	Well Service Unit	136	78	1010	8500	11000	124	17000	4	17000	43	2000	4	2000						
5/17/2012	8/15/2012	Well Service Unit	136	78	1010	8300	11000	125	17000	477	17200	55	17200	8	19000	42	19000				
5/16/2012	8/14/2012	Crane	132	466	910	12470	19200	8	19200	8	17200	55	17200	8	17000		5	17450	57	17450	
5/16/2012	8/14/2012	Well Service Unit	136	45	88	8600	20000	17	20000	4	20000	17	2000	4	2000						
5/16/2012	8/14/2012	Coiled Tubing Unit	14	732	112	14000	20000	153	20000	46	20000	46	20000	30	20000	5	20000	5	20000		
5/16/2012	8/14/2012	Coiled Tubing Unit	146	788	112	19500	22500	153	20000	46	21500	46	21500	46	21500	236	22000	46	22000	46	22000
5/16/2012	8/14/2012	Well Service Unit	14	70	93	11800	15000	20	20000	46	20000	22	21000	5	21000						
5/16/2012	8/14/2012	Crane	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	113	441	104	93950	17500	4	16200	86	23150	45	18650	45	18650						
5/16/2012	8/14/2012	Crane	132	70	99	14160	26400	59	26400	83	26400	52	26400	162	18000	4					
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Concrete Pump	14	65	86	9300	13000	17	20000	4	20000	27	20000	5	20000						
5/16/2012	8/14/2012	Concrete Pump	14	65	86	9300	13000	17	20000	4	20000	27	20000	5	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Crane	14	45	86	7000	20000	18	10000	4	20000	5	20000								
5/16/2012	8/14/2012	Crane	14	65	86	9300	13000	17	20000	4	20000	27	20000	5	20000						
5/16/2012	8/14/2012	Concrete Pump	14	65	86	9300	13000	17	20000	4	20000	27	20000	5	20000						
5/16/2012	8/14/2012	Concrete Pump	14	65	86	9300	13000	17	20000	4	20000	27	20000	5	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	25	20000	10	20000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	33	22000	5	22000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	33	22000	5	22000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	33	22000	5	22000						
5/16/2012	8/14/2012	Well Service Unit	14	65	86	9300	13000	17	20000	4	20000	33	22000	5	22000						
5/17/2012	8/15/2012	Well Service Unit	126	48	88	11800	13000	17	20000	4	20000	25	20000	10	20000						
5/17/2012	8/15/2012	Well Service Unit	136	64	86	96070	13070	1710	17860	40	17860	24	15780	5	15780						
5/17/2012	8/15/2012	Well Service Unit	136	718	86	11020	14200	168	15500	477	15500	477	15500	248	16500	5	16500	5	16500		
5/17/2012	8/15/2012	WELL SERVICING UNIT	136	648	86	10200	14000	168	22000	46	22000	27	22000	46	22000						
5/17/2012	8/15/2012	WELL SERVICING UNIT	136	648	86	10200	14000	168	22000	46	22000	27	22000	46	22000						
5/17/2012	8/15/2012	WELL SERVICING UNIT	136	648	86	10200	14000	168	22000	46	22000	27	22000	46	22000						
5/17/2012	8/15/2012	WELL SERVICING UNIT	136	648	86	10200	14000	168	22000	46	22000	27	22000	46	22000						
5/17/2012	8/15/2012	Well Service Unit	14	60	12	12020	28600	4	28600	13	21000	4	21000	4	21000						
5/17/2012	8/15/2012	Well Service Unit	14	60	12	12020	28600	4	28600	13	21000	4	21000	4	21000						
5/17/2012	8/15/2012	Well Service Unit	143	76	11	12900	27000	46	27000	206	25000	46	25000	56	25000						
5/17/2012	8/15/2012	Coiled Tubing Unit	14	76	86	16600	18000	157	18000	46	18000	46	18000	46	18000		282	18500	46	18500	46
5/17/2012	8/15/2012	Well Service Unit	136	666	10	10200	21000	48	21000	16	20000	4	20000	4	20000						
5/17/2012	8/15/2012	Well Service Unit	136	72	86	8800	15000	48	18000	47	18000	27	18000	4	18000		46	20000	46	20000	46
5/17/2012	8/15/2012	Well Service Unit	136	58	83	9000	12000	143	18000	477	20000	267	20000	44	20000						
5/17/2012	8/15/2012	Well Service Unit	136	58	83	9000	12000	143	18000	477	20000	267	20000	44	20000						
5/17/2012	8/15/2012	Well Service Unit	136	58	83	8800	12500	14	18750	4	18750	27	18000	4	18000						
5/17/2012	8/15/2012	Well Service Unit	136	58	83	8800	12500	14	18750	4	18750	27	18000	4	18000						
5/17/2012	8/15/2012	Well Service Unit	126	636	86	8800	12000	176	16000	42	16000	2310	2200	9	22000						
5/17/2012	8/15/2012	Well Service Unit	14000	176	16000	46	18000	2711	18000	46	18000	46	18000	46	18000						
5/17/2012	8/15/2012	Well Service Unit	1210	6710	86	10400	14000	176	18000	46	18000	2711	18000	46	18000						
5/17/2012	8/15/2012	Well Service Unit	1210	6710	86	10400	14000	176	18000	46	18000	2711	18000	46	18000						
5/17/2012	8/15/2012	Well Service Unit	1210	6710	86	10400	14000	176	18000	46	18000	2711	18000	46	18000						
5/17/2012	8/15/2012	Well Service Unit	1210	6710	86	10400	14000	176	18000	46	18000	2711	18000	46	18000						
5/17/2012	8/15/2012	Well Service Unit	1210	6710	86	10400	14000	176	18000	46	18000	2711	18000	46	18000						
5/17/2012	8/15/2012																				

Data Set: 2- DEWITHub.xls

This is a list of all active Hub permits which can be used to determine mean and median values for various measurements related to Hub permits

Start date	End date	Load Description	Height	Length	Width	GVW	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	Axle weight	Spacing	
4/25/2012	4/29/2012	mudd tank (empty)	15'	110'	128'		14300	16'	20000																		
4/26/2012	4/30/2012	EMPTY STEEL TANK	15'	79'	106'																						
4/26/2012	4/29/2012	gas buster	16'	110'	12'		14300	16'	20700	4'	20700	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	S.O.P SKID	15'	110'	14'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	PIPE REELS E/E	16'	73'	12'																						
4/26/2012	4/30/2012	HOUSE	15'	110'	14'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	HOUSE	16'	110'	14'		14300	16'	2000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	HOUSE	16'	110'	14'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	HPU UNIT	15'3"	110'	122"		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	sub	15'3"	110'	126"		14300	16'	23000	4'	23000	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/26/2012	4/30/2012	sub	15'3"	110'	126"		14300	16'	23000	4'	23000	34'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/26/2012	4/30/2012	drawworks	15'3"	110'	126"		13300	16'	16000	4'	16000	34'	14700	5'	15000	5'	15000	5'	15000	5'	15000	5'	15000	5'	15000	5'	15000
4/26/2012	4/30/2012	empty fuel tank	15'	110'	10'																						
4/26/2012	4/30/2012	center steel	15'4"	110'	138"		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	top handler	15'3"	110'	13'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	cross section of derrick	14'6"	95'	15'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	mudd boat	14'	110'	14'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	butt section of derrick	14'6"	95'	14'		14300	16'	20000	4'	20000	34'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077	5'	17077
4/26/2012	4/30/2012	COMPRESSOR	14'6"	69'	14'		14300	16'	22850	4'	22850	34'	20000	4'	20000	4'	20000	4'	20000	4'	20000	4'	20000	4'	20000	4'	20000
4/26/2012	4/30/2012	SEPARATOR SKID	15'6"	69'	11'																						
4/27/2012	5/1/2012	EMPTY MUD TANK	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	EMPTY MUD TANK	15'6"	100'	14'		14300	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	MUD PUMP	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	MUD PUMP	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	SHALE SHAKER SKID	15'6"	100'	14'		14300	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	DRAWWORKS	15'6"	100'	14'		14300	17'	23000	4'	23000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	SUBSTRUCTURE	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	DERRICK RAMP	15'6"	100'	14'		14300	14'	20000	4'	20000	4'	20000	35'	20000	5'	20000	5'	20000	5'	20000	5'	20000	5'	20000	5'	20000
4/27/2012	5/1/2012	DERRICK (IN TOW)	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	43'	20000	4'	20000	4'	20000	4'	20000	4'	20000	4'	20000	4'	20000
4/27/2012	5/1/2012	DRAWWORKS	15'6"	100'	14'		14300	17'	23000	4'	23000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	OILFIELD UTILITY SKID	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	OILFIELD UTILITY SKID	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	OILFIELD UTILITY SKID	15'6"	100'	14'		14300	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	PUSHER HOUSE	15'6"	100'	14'		19500	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/27/2012	5/1/2012	CREW HOUSE	15'6"	100'	14'		14300	14'	20000	4'	20000	4'	20000	35'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975	5'	18975
4/26/2012	4/30/2012	Manufactured House	13'5"	100'	13'																						
4/27/2012	5/1/2012	EXCAVATOR	14'	75'	12'		14000	14'	20500	5'	20500	5'	20500	36'	18750	5'	18750	5'	18750	5'	18750	5'	18750	5'	18750	5'	18750
4/27/2012	5/1/2012	Manufactured House	14'	96'	14'																						
4/27/2012	5/1/2012	EMPTY TANK (S)	14'10"	76"	12"																						
4/27/2012	5/1/2012	EMPTY TANK (S)	14'10"	76"	12"																						
4/27/2012	5/1/2012	EMPTY TANK (S)	14'10"	76"	12"																						
4/27/2012	5/1/2012	EXCAVATOR	14'	75'	12'		14000	14'	20500	5'	20500	5'	20500	36'	18750	5'	18750	5'	18750	5'	18750	5'	18750	5'	18750	5'	18750
4/28/2012	5/2/2012	Manufactured House	14'	100'	14'																						
4/27/2012	5/1/2012	EXCAVATOR	14'	75'	12'		14000	14'	20500	5'	20500	5'	20500	36'	18750	5'	18750	5'	18750	5'	18750	5'	18750	5'	18750	5'	18750
4/27/2012	5/1/2012	Building	14'6"	75'	9'6"																						
4/27/2012	5/1/2012	Manufactured House	13'5"	100'	13'																						
4/27/2012	5/1/2012	sideboom	13'6"	68'	13'10"		16000	21'	20000	5'	20000	5'	20000	32'	18950	5'	18950	5'	18950	5'	18950	5'	18950	5'	18950	5'	18950
4/27/2012	5/1/2012	400 tank	16'4"	100'	12'																						
4/27/2012	5/1/2012	400 tank	16'4"	100'	12'																						
4/29/2012	5/3/2012	Empty Steel tank	15'	75'	10'																						

