

RELEASED IN PART B5,B6

DECONTROLLED

Re Polish Embassy in Rome interested in discussing shale gas ideas.txt
From: Neff, Rebecca H
Sent: Wednesday, December 08, 2010 3:32 PM
To: Sullivan, Michael A; Greenstein, Alex D; Rodgers, John R; Ayala, William M; Ashley, Chuck; S_CIEA
Cc: Sessums, Michael D; Hyatt, Curtis M; Glantz, Mary E; Surampudi, Rakesh; Davis, Bridget M; Bono, Louis L
Subject: Re: Polish Embassy in Rome interested in discussing shale gas ideas

Oh - I hadn't realized ENI purchased acreage in Poland. Now this makes more sense. If ENI is a partner sponsoring the conference, I suspect they will help shape it in a way that is more cautious on potential finds.

From: Sullivan, Michael A
To: Greenstein, Alex D; Rodgers, John R; Ayala, William M; Neff, Rebecca H; Ashley, Chuck; S_CIEA
Cc: Sessums, Michael D; Hyatt, Curtis M; Glantz, Mary E; Surampudi, Rakesh; Davis, Bridget M; Bono, Louis L
Sent: Wed Dec 08 15:14:06 2010
Subject: RE: Polish Embassy in Rome interested in discussing shale gas ideas
Do we know what the makeup of the Polish delegation would be? would this be separate from the previously mooted Polish visit to DC to discuss shale gas with USG officials?

From: Greenstein, Alex D
Sent: Wednesday, December 08, 2010 2:42 PM
To: Rodgers, John R; Ayala, William M; Neff, Rebecca H; Ashley, Chuck; S_CIEA
Cc: Sessums, Michael D; Hyatt, Curtis M; Glantz, Mary E; Surampudi, Rakesh; Davis, Bridget M; Bono, Louis L
Subject: Re: Polish Embassy in Rome interested in discussing shale gas ideas

Looping in s/ciea for the gsgi angle.

From: Rodgers, John R
Sent: Wednesday, December 08, 2010 02:38 PM
To: Ayala, William M; Neff, Rebecca H; Ashley, Chuck
Cc: Sessums, Michael D; Hyatt, Curtis M; Greenstein, Alex D; Glantz, Mary E; Surampudi, Rakesh; Davis, Bridget M; Bono, Louis L
Subject: RE: Polish Embassy in Rome interested in discussing shale gas ideas

william,
(SBU) FYI: There is considerable Polish enthusiasm for stepping up an "acceptance and education campaign" for shale gas in Europe. While the excitement for the concept of shale gas reserves still far outstrips the realities, I think that what the Poles want to ensure is that shale gas not be shut out of any new EU energy policy (and to get more competition in the possible concessions for future extraction). I think working with the Poles on this is a good idea.

I've cc'd Lou Bono from our USEU Mission who is following this from the Brussels angle.

Regards,
John Rodgers

Page 1

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

Re Polish Embassy in Rome interested in discussing shale gas ideas.txt

SBU

This email is UNCLASSIFIED.

From: Ayala, William M
 Sent: Wednesday, December 08, 2010 11:38 AM
 To: Neff, Rebecca H; Ashley, Chuck
 Cc: Sessums, Michael D; Hyatt, Curtis M; Greenstein, Alex D; Glantz, Mary E; Rodgers, John R; Surampudi, Rakesh; Davis, Bridget M
 Subject: RE: Polish Embassy in Rome interested in discussing shale gas ideas

Thanks colleagues for your input. Copied below is the e-mail I received yesterday from the Polish Embassy energy officer. Our initial view is that it may be something worth looking into. Enlisting Eni to organize it, as the Polish official suggests as a possibility below, may help with logistical arrangements. I guess our role and contributions would be enlisting and bringing U.S. experts on shale gas to participate - including perhaps U.S. companies. Doing it in early January would be a challenge, however. It probably would not be worth the SEEE's time.

Let us know any problems, concerns or additional views you think we should consider in responding to the Polish embassy on whether we should collaborate with them on this or not. Thanks again.

William

From: Hryniewiecki Rafa? [mailto: [REDACTED] gov.pl]
 Sent: Tuesday, December 07, 2010 1:04 PM
 To: Ayala, William M
 Subject: the seminar about shall gas in Rome

Hi William,
 My friend James Duckett and Claire le Clair have recommended me to contact you.

Our Polish Ambassador wants to organize a seminar about shale gas and its geostrategic impact. We think to organize it together with you (two embassies) as USA promotes this technology around the world and your companies are searching those resources in Poland.

Last week Polish government has granted Eni a concession for drilling in Poland so we could organize it with Eni too. The seminar could take place at Eni's head quarter in Rome.

I know our Ministry of Foreign Affairs organized with US Embassy in Warsaw a similar conference. Ambassador Morningstar was one of the main guests at this conference.

Our idea was to invite experts from Poland, US, Eni and Italian administration. The seminar could have two parts:

1. Shale gas and its geostrategic impact
2. Opportunities for concessions

Of course we are opened up for your suggestions.

Let me know please what do you think about it? It's quite urgent as my Ambassador

Page 2

Re Polish Embassy in Rome interested in discussing shale gas ideas.txt
wants to organize
it in the beginning of next year.
If you are interested we can meet and talk about details.

I am looking forward to hearing from you
Rafal Hryniewiecki
Primo Segretario
Ambasciata della Repubblica di Polonia
Via P.P. Rubens 20
00197 Roma

From: Neff, Rebecca H
Sent: Tuesday, December 07, 2010 2:55 PM
To: Ashley, Chuck; Ayala, William M
Cc: Sessums, Michael D; Hyatt, Curtis M; Greenstein, Alex D; Glantz, Mary E;
Rodgers, John R
Subject: Re: Polish Embassy in Rome interested in discussing shale gas ideas



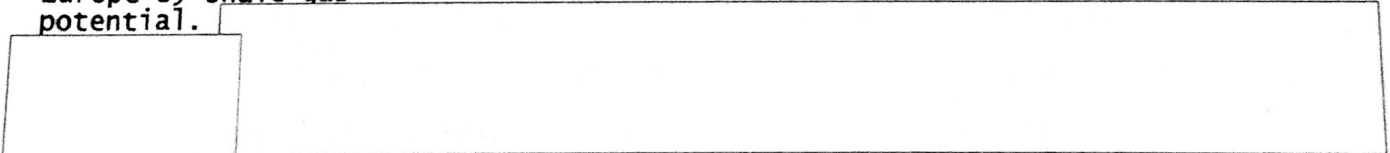
B5

Rebecca

From: Ashley, Chuck
To: Ayala, William M
Cc: Neff, Rebecca H; Sessums, Michael D; Hyatt, Curtis M; Greenstein, Alex D;
Glantz, Mary E; Rodgers,
John R
Sent: Tue Dec 07 07:51:51 2010
Subject: RE: Polish Embassy in Rome interested in discussing shale gas ideas
Dear William,

Yes, shale gas is a big deal here in Poland. In fact, energy is rapidly becoming a strong third leg of the bilat relationship (along with security and democracy promotion). I think we should be open to working with the Poles to spread knowledge and understanding of Poland's (and Europe's) shale gas potential.

B5



Here is the state of play at the moment:

* Poland has significant shale gas potential and the political will to develop the resources. Too early to say at this point how much commercially viable gas might be produced. However, the higher (still unproven) estimates indicate that Poland might produce enough gas to become

Re Polish Embassy in Rome interested in discussing shale gas ideas.txt independent of Russian supply and an exporter in its own right. The press had a bonanza earlier this year, which was great for getting investors interested, but also created a kind of euphoria about it. We try to tamp down unrealistic expectations of a shale gas Eldorado and focus on the hard work and regulatory reforms that will be needed for success.

* Poland is a laboratory for testing whether US success in developing shale gas can be repeated in a different country, with different shales, and a different regulatory environment. GOP is concerned about water quality issues and about local communities' receptiveness when drilling starts. Popular and political support is strong now, but this could change when shale gas wells come to their backyards.

* There are lots of others, many Polish. Some of those who have concession lack the ability to develop them. Labor and oilfield supply situation is ok now, but will not suffice if exploration and production scales up.

* Lane Energy (acting for ConocoPhillips) has drilled two wells. The results, still unpublished, appear to be promising. Lane has started fracturing one of these wells, but those results are unknown.

* Exxon-Mobil, PGNiG (Polish state-controlled) and BNK Petroleum (Canadian) are expected to start drilling one well each before year's end. Marathon and Chevron will drill next near.

* Polish state-controlled firm Lotos recently announced it was giving up on shale gas. The onshore concessions they got turned out to be too problematic and very likely uneconomical. Lotos has some offshore concessions too, but those would cost 4 times more to develop than those onshore, making them uneconomical. FYI... Lotos, Poland's #2 oil refiner, is now being privatized. GOP hopes US firms might bid for Lotos, but more serious interest comes from Russia.

* Poland is participating in State's Global Shale Gas Initiative.

* USGS and the Polish Geological Institute are working together to assess shale gas resources. USGS's scope is global, whereas PGI's scope is national. PGI will conduct its work using USGS's methodology and feed its results into USGS's global survey. PGI will host an international conference in April to announce the results of the first part of its assessment work and USGS will participate. PGI will invite its counterparts from other countries in the region.

* Useful links:

1. Embassy-MFA conference on shale gas: <http://poland.usembassy.gov/shale.html>

2. Re Polish Embassy in Rome interested in discussing shale gas ideas.txt
3. FM Sikorski at GSGI meeting: <http://poland.usembassy.gov/shalegas.html>
3. DOE's shale gas primer: http://www.netl.doe.gov/technologies/oil-gas/publications/epreports/shale_gas_primer_2009.pdf

* Here are maps of shale gas concessions in Poland:

Color map from Ministry of Environment as of 11/11/10:
http://www.mos.gov.pl/g2/big/2010_11/3d268dd2ef033e65b9279eec5fd6acdd.jpg

But this one's simpler and easier to read..

Let me know is if you needs something more.

Regards,
Chuck Ashley
Deputy Economic Counselor
U.S. Embassy Warsaw
Al. Ujazdowskie 29/31
00-540 Warsaw, Poland
Tel: +48-22-504-2733
Mobile: +48-
Fax: +48-22-504-2744
E-mail: ashleych@state.gov
Internet: <http://poland.usembassy.gov>

B6

This email is UNCLASSIFIED.

From: Ayala, William M
Sent: Tuesday, December 07, 2010 11:41 AM
To: Hyatt, Curtis M; Ashley, Chuck; Greenstein, Alex D
Cc: Neff, Rebecca H
Subject: Polish Embassy in Rome interested in discussing shale gas ideas

Good morning.

FYI, the energy officer at the Polish Embassy in Rome is interested in talking to us about shale gas. I will talk to him either today or Thursday to find out in more detail what ideas or issues they have in mind. I heard from colleagues that they may want to explore doing some type of shale gas related event.

Let me know if there is anything specific that I should be aware with regards to shale gas and Poland. I recall from the recent Prague energy conference that there is shale gas exploration going on in Poland now.

I'll try to dig up the shale gas initiative cable I saw a few months ago. Let me know if there are any specific points/issues from that initiative that I should also discuss with him.

Anything you can share that would be helpful in my future discussions with the Polish Embassy here is more than welcome. Thanks in advance.

William Ayala
Economic Section

Page 5

Re Polish Embassy in Rome interested in discussing shale gas ideas.txt
American Embassy
Via Veneto 119/A
00187 Rome
Tel: 39-06-4674-2849
Fax: 39-06-4674-2398 or 2663
<http://italy.usembassy.gov/italiano/default.asp> (Italian)
<http://italy.usembassy.gov> (English)

SBU
This email is UNCLASSIFIED.

RELEASED IN PART
B5,B6

From: Hueper, Paul F
Sent: Wednesday, September 22, 2010 1:26 PM
To: Greenstein, Alex D; Figueiredo, Joseph
Subject: FW: India: Potus deliverables

DECONTROLLED

FYI on pace-s and the MOU.

From: Goldwyn, David L
Sent: Wednesday, September 22, 2010 12:19 PM
To: Hall, Blair P; Hueper, Paul F; Blake, Robert O
Cc: Sullivan, Michael A; Desai, Nisha; Lu, Donald; Palaia, Thomas; Donovan, Jason A
(New Delhi); Ayres, Alyssa; Tarnowka, Mary E; 'Glen_E._Sweetnam@nsc.eop.gov'; Renzulli, Anthony F;
Pelletier, Michael P
Subject: Re: India: Potus deliverables

Blair:

Good news!

Happy to have this be pace-s. We can figure out how to meld that locution with our proposed mou and a cousin relationship with the gsgi. Happy also to help program the vv mission.

someone should write this up as a deliverable, with a good credit and reference for tda for their planned work.

will you all lead or should we?

Best,

David

From: Hall, Blair P
To: Goldwyn, David L; Hueper, Paul F; Blake, Robert O
Cc: Sullivan, Michael A; Desai, Nisha; Lu, Donald; Palaia, Thomas; Donovan, Jason A
(New Delhi); Ayres, Alyssa; Tarnowka, Mary E; 'Glen_E._Sweetnam@nsc.eop.gov'
<Glen_E._Sweetnam@nsc.eop.gov>; Renzulli, Anthony F; Pelletier, Michael P
Sent: Wed Sep 22 11:25:42 2010
Subject: RE: India: Potus deliverables
David,

I'm confident Post will be able to support the bilateral shale gas initiative.

We have doubled back with our Public Affairs team. They confirmed that a Vol Vis program is feasible and would make sense for a technical program like this. While the GOI would have to foot the bill for airfare, PA should be in a good position to support a visit toward the end of this year or early in 2011.

We have also discussed with the USAID Mission the modalities for securing \$300K to support the commercial law development program. The monies momentarily will be (or perhaps already have been) obligated under a bilateral agreement between USAID and the Ministry of Power.

However, once the details of that agreement are finalized in a few weeks, the Mission believes that it will be

Page 1

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

B5

FW India Potus deliverables.txt

possible to work with MOP to carve out those funds for the CLDP.

Assuming

we have buy-in and support from top levels of the GOI -including Montek Ahluwalia as Indian Chair of the Energy Dialogue - it should be doable. Post is on board to work it.

The U.S.-India Partnership to Advance Clean Energy (PACE) is our main cooperative bilateral clean energy program. We expect this cooperation will be highlighted in connection with the President's visit. There currently are two aspects to the partnership: Research and Development (PACE-R) and Deployment (PACE-D). To feature this new important effort, we could propose to add a specific shale gas component the partnership - PACE-S. I think it fits very well, for all the reasons you've named.

We look forward to working with your office on this.

Best regards, -- Blair

Blair Hall
Minister-Counselor
Economic, Environment, Science & Technology Affairs
U.S. Embassy, New Delhi

Tel: +91 11-2419-8124

SBU

This email is UNCLASSIFIED.

From: Goldwyn, David L
Sent: Wednesday, September 22, 2010 4:18 PM
To: Hueper, Paul F; Hall, Blair P; Blake, Robert O
Cc: Sullivan, Michael A; Desai, Nisha; Lu, Donald; Palaia, Thomas; Donovan, Jason A (New Delhi); Ayres, Alyssa; Tarnowka, Mary E; 'Glen_E._Sweetnam@nsc.eop.gov'
Subject: Re: India: Potus deliverables

India team:

Looping glen sweetnam at nsc.

A three part gas shale deliverable that had our mou, a voluntary visitor program focused on regulation and a response to DGH's request for help on terms would be a powerful energy, climate and export initiative.

Does post have a view for us on whether you can support the latter two items with embassy or the new usaid funds?

Fish or cut bait time for us on developing these programs.

Best,

David

FW India Potus deliverables.txt

From: Hueper, Paul F
To: Hall, Blair P; Goldwyn, David L; Blake, Robert O
Cc: Sullivan, Michael A; Desai, Nisha; Lu, Donald; Palaia, Thomas; Donovan, Jason A
(New Delhi); Ayres,
Alyssa; Tarnowka, Mary E
Sent: Mon Sep 20 11:58:11 2010
Subject: RE: India: Potus deliverables
Hi Blair,

I'm just back from travel last week so am re-engaging on this from David's office. Please note as per the e-mail I've cut pasted below from our USGS liaison, the DGH has asked explicitly for legal/regulatory/policy assistance that would support shale gas development in India. We're not trying to push it on them!

The Commercial Law Development Program (CLDP) is based in the Department of Commerce's Office of the General Counsel, so funding CLDP for this work would involve a relatively simple interagency transfer from USAID to another USG agency, probably via an IAA. In general, CLDP provides a wide range of legal and technical assistance to support energy sector development around the world. CLDP's assistance programs can include: desktop reviews of existing or proposed energy sector legislation in order to maximize its effectiveness; drafting legislation and regulations that will increase the competitiveness and stability of a country's energy sector; and advanced training on contract negotiating.

For shale gas assistance to the DGH, CLDP would review the GOI's existing laws/regulations/policies and draft terms and related policies (likely borrowing salient U.S. federal and state regulations as needed) that would bolster India's shale gas investment framework. Given the inherent risks involved with shale gas exploration and production operations, it's critical that qualified operators are brought in to do this work and that adequate statutory safeguards are established.

Best,
Paul

From: Brenda S Pierce [mailto:bpierce@usgs.gov]
Sent: Tuesday, September 14, 2010 1:11 PM
To: Goldwyn, David L; Hueper, Paul F; Greenstein, Alex D
Subject: Indian request on shale gas policy

David, Paul, Alex,

As I believe I mentioned, USGS works closely with DGH on gas hydrate research. In one of our recent exchanges with Malcolm Lall, he asked for a contact in the U.S. working on shale gas policy and would like "a model policy for shale gas as it exists based on which the acreages are offered for shale gas exploitation." He is drafting a policy for India and would like to take a look at policies which might exist in the U.S. I wrote Malcolm back saying I was going to forward his request onto your office, as this fits

Page 3

FW India Potus deliverables.txt
in well with your Shale Gas Initiative.

Malcolm's contact information is
MALCOLM LALL <[redacted]@yahoo.com>

B6

Not sure if you want to use this request to broaden your MOU/MOC with them, so it includes more than just USGS resource assessment (like China - including Commerce, BLM, BOEM, etc), or just answer their inquiry. We're working on the MOU now, so the question is timely. Regardless, will one of you get back to Malcolm about unconventional gas policies?

thanks, Brenda

~~~~~  
Brenda Pierce  
Acting Chief Scientist, Geology  
Program Coordinator  
Energy Resources Program  
U.S. Geological Survey  
12201 Sunrise Valley Drive 703-648-6421 (ph)  
915-A National Center 703-648-5464 (fax)  
Reston, VA 20192 bpierce@usgs.gov  
<http://energy.usgs.gov>  
From: Hall, Blair P  
Sent: Monday, September 20, 2010 9:56 AM  
To: Goldwyn, David L; Blake, Robert O  
Cc: Hueper, Paul F; Sullivan, Michael A; Desai, Nisha; Lu, Donald; Palaia, Thomas; Donovan, Jason A (New Delhi); Ayres, Alyssa; Tarnowka, Mary E  
Subject: RE: India: Potus deliverables

David,

Post agrees the shale gas initiative has tremendous potential as a deliverable to hit several targets, including clean energy, energy security and national exports.

I spoke with the USAID Mission here about the reprogrammed \$1.3 million. They are aiming to obligate these funds by the Sept 30 end of the fiscal year in a bilateral agreement with the Ministry of Power. The intention is to use these funds in an energy efficiency program - smart grids, green building efficiency, etc - under our Partnership to Advance Clean Energy (PACE) initiative. USAID is sending this agreement tomorrow to the Ministry of Finance for its final approval. USAID advises that \$300K theoretically could be programmed for shale gas commercial development. [redacted]

B5

It would be helpful if we could get more information about how a CLDP works. How would you envisage executing the program? Is there an implementing partner or this is a direct transfer to another government agency? This will help us talk to the USAID Mission about the initiative's value. To be clear, they're not opposed but, being unfamiliar with the proposal, are not yet in a position to pivot - and understandably not eager to delay the F approved and congressionally

FW India Potus deliverables.txt

notified  
reprogramming. Time is of the essence. Jason Donovan in my office can work with  
your team to get  
the answers they'd need. we're happy to help move it forward.

B5

Post also agrees that this proposal fits nicely in TDA's bailiwick. There's a lack of drilling infrastructure in India to support significant development of shale gas resources, so putting together a develop roadmap could also be of use. we'd be happy to explore options with TDA here too. I don't know if you are aware of it, but the petroleum engineer who developed the technology to drill the first horizontal well is of Indian origin and currently owns the only U.S. company producing shale gas in India - quite a story of U.S.-India partnership.

we'll keep working on this.

Best regards, -- Blair

Blair Hall  
Minister-Counselor  
Economic, Environment, Science & Technology Affairs  
U.S. Embassy, New Delhi

Tel: +91 11-2419-8124

SBU  
This email is UNCLASSIFIED.

From: Goldwyn, David L  
Sent: Monday, September 20, 2010 6:29 AM  
To: Blake, Robert O; Hall, Blair P  
Cc: Hueper, Paul F  
Subject: Fw: India: Potus deliverables

Bob/blair:

As the string show, the mission has \$1.3 million in new funds. They are fy 09 and therefore unrestricted.

Page 5

FW India Potus deliverables.txt

If the mission will use 300-500k for helping comercialize shale you can have an energy security, climate, export deliverable.

We have CLDP with a draft budget and capacity. My office can program it and package it with MOU.

First step is a message form the mission that they support this.

Nsc would love it, but have not raised yet.

Best,

David

From: Shah, Khushali P  
To: Butte-Dahl, Jennifer X; Goldwyn, David L  
Cc: Sullivan, Michael A; Hueper, Paul F; Andrews, Brian J (D-L); Lorman, Amanda L; Murphy, Rafael P  
Sent: Fri Sep 17 17:14:59 2010  
Subject: RE: India: Potus deliverables  
That is right- but I think they may want to first look at this money that they hadn't expected to receive. But of course, if they have \$300k elsewhere that works too.

From: Butte-Dahl, Jennifer X  
Sent: Friday, September 17, 2010 5:13 PM  
To: Goldwyn, David L; Shah, Khushali P  
Cc: Sullivan, Michael A; Hueper, Paul F; Andrews, Brian J (D-L); Lorman, Amanda L; Murphy, Rafael P  
Subject: RE: India: Potus deliverables

But also, since this is the case, we are not limited to 09 funds. Fy10 is an option as long as we are talking about FY10 funds that fall outside the Clean Energy bucket. For example, other "left over" or unprogrammed bilateral funds could be targeted - correct? If yes, we should make sure Emb Delhi understands that nuance. j

From: Goldwyn, David L  
Sent: Friday, September 17, 2010 5:03 PM  
To: Shah, Khushali P; Butte-Dahl, Jennifer X  
Cc: Sullivan, Michael A; Hueper, Paul F; Andrews, Brian J (D-L); Lorman, Amanda L; Murphy, Rafael P  
Subject: Re: India: Potus deliverables

Many thanks!

We'll work with embassy delhi.

From: Shah, Khushali P  
To: Goldwyn, David L; Butte-Dahl, Jennifer X  
Cc: Sullivan, Michael A; Hueper, Paul F; Andrews, Brian J (D-L); Lorman, Amanda L; Murphy, Rafael P  
Sent: Fri Sep 17 16:20:18 2010  
Subject: RE: India: Potus deliverables  
Hi there-

David is right about the restriction in FY2010. In FY 2010 only the funds provided  
Page 6



FW India Potus deliverables.txt

under or as Clean Energy exclude work with hydrocarbons (natural gas, oil, coal, etc...) unless we help avoid the flaring of natural gas.

On finding funding for this program, I would note that we just approved moving \$1.3m of expiring FY09 ESF to USAID/India for environment programs. The CN is on the Hill now and obviously doesn't include this program, but I would recommend talking to the Mission (Erin Soto) about maybe using some of those funds for this purpose.

khushali

From: Goldwyn, David L  
Sent: Thursday, September 16, 2010 3:18 PM  
To: Butte-Dahl, Jennifer X  
Cc: Sullivan, Michael A; Hueper, Paul F; Shah, Khushali P; Andrews, Brian J (D-L)  
Subject: RE: India: Potus deliverables

Thought it was just the clean energy funds not DA or ESF. But defer to F.

From: Butte-Dahl, Jennifer X  
Sent: Thursday, September 16, 2010 3:06 PM  
To: Goldwyn, David L  
Cc: Sullivan, Michael A; Hueper, Paul F; Shah, Khushali P; Andrews, Brian J (D-L)  
Subject: RE: India: Potus deliverables

David/Khushali -

Quick offline question: is all FY10 funding implicated by the hydrocarbon restrictions or just ESF, DA and AEECA appropriated specifically for clean energy programs and activities? I did a quick skim of the legislation and it looks like the latter to me, but I have no background and have not read the entire bill. Looping in Brian on his D(L) account. Please loop him into the larger discussion the next time you respond to the group. Thanks! j

From: Goldwyn, David L  
Sent: Thursday, September 16, 2010 2:25 PM  
To: Blake, Robert O  
Cc: Sullivan, Michael A; Hueper, Paul F; SCA-INDIA-ONLY-DL; Hall, Blair P; Lu, Donald; Moore, James R; Shah, Khushali P; Butte-Dahl, Jennifer X; Andrews, Brian J; Sullivan, Michael A; Goldwyn, David L  
Subject: RE: India: Potus deliverables

Bob:

Many thanks.

Greetings Blair!

USTDA is planning some reverse trade missions as a deliverable for the visit, which will be a great way

FW India Potus deliverables.txt  
to link companies and the GOI and state governments.

An ivlp program could help with the regulatory work that DGH needs.

I pitched a program to TDA to help the GOI with models for a bid round next year and they are deliberating.

B5

The question for the Mission is whether they support this concept, and for our friends in the Mission and in F, whether there are funds to deliver this program.

The cost is in the \$300,000 range for CLDP.

I am looping khushali Shah and D (L) staff.

Best,

David

From: Blake, Robert O  
Sent: Thursday, September 16, 2010 6:28 AM  
To: Goldwyn, David L  
Cc: Sullivan, Michael A; Hueper, Paul F; SCA-INDIA-ONLY-DL; Hall, Blair P; Lu, Donald; Moore, James R  
Subject: RE: India: Potus deliverables

David: many thanks for these good ideas. I am info'ing our Economic Minister Counselor in Delhi Blair Hall and DCM Don Lu so they can talk to their public affairs colleagues about the IVP idea. Please keep us posted and let us know how we can help. Regards, Bob

This email is UNCLASSIFIED.

From: Goldwyn, David L  
Sent: Wednesday, September 15, 2010 11:00 AM  
To: Blake, Robert O  
Cc: Sullivan, Michael A; Hueper, Paul F  
Subject: India: Potus deliverables

Bob:

A few ideas for a 3 part energy deliverable for the POTUS trip to India:

1. MOU. Conclude our MOU on shale gas which is already funded for resource assessment and two trainings session. We have proposed early December to the GOI for the first training session to if we conclude the MOU in time.
2. Visitors program. If Embassy Delhi can fund (\$25,000?) an IVLP program, we can program it to include regulatory sessions on safe production, site visit and exposure to commercial/technology partners.
3. Commercial assistance. GOI has asked for help on model commercial terms for their first shale gas bid round next year. I have reached out to TDA and CLDP, which can both deliver this

FW India Potus deliverables.txt  
service. Funding is the issue. Unclear where TDA is, but CLDP would need FY 09 USAID money (hydrocarbon restrictions on FY 10 approps) to support. Based on what CLDP has done elsewhere, this might be a \$300,000 package. Am asking them for a firmer budget.  
worth restating that large scale development of unconventional gas would give India a less carbon intensive source of feedstock for power generation (versus coal) and a credible choice over Iranian gas.

Best,

David

David L. Goldwyn  
Special Envoy for International Energy Affairs  
S/CIEA  
Room 4426, U.S. Department of State  
2201 C St., NW  
Washington, DC 20520  
Phone: (202) 647-8543 Fax: (202) 647-7453

RELEASED IN PART  
B6

Morocco Delegation visiting for GSGI program Monday December 7th\_FERC.txt  
From: Figueiredo, Joseph  
Sent: Wednesday, November 24, 2010 4:28 PM  
To: 'Michael.McGehee@ferc.gov'  
Cc: 'Clark, Joanne'  
Subject: Morocco Delegation visiting for GSGI program, Monday December 7th

Hello Michael,

We have a group of five delegates from Morocco who will be visiting us for a round of in-depth meetings on shale gas development from December 6th through 8th. My office was hoping that you might be willing to speak with them on December 7th, at some point in the afternoon (after 3PM), and give a similar presentation that you gave at the GSGI conference in August (half-hour to an hour including Q&A)? The program will be taking place at the Meridian Conference Center, which is close to U and 16th Street NW. Below is the description of what you presented on in August:

Infrastructure Development Requirements: The Federal Energy Regulatory Commission (FERC) will discuss how to develop the necessary infrastructure for shale gas development. For countries without developed domestic infrastructure, timely permitting, financing, and development of gas gathering systems, gas treatment plants, and gas pipelines planning is essential for getting the shale gas to customers. (Michael McGehee, Director of Pipeline Certificates)

It would be great if you or someone from FERC could participate in the program. Attached is a backgrounder on Morocco Energy and Investment, as well as a one-page description on GSGI. There is also a DRAFT agenda that we would like to fit you into.

Many thanks!

Joe  
  
Joseph Figueiredo  
Special Assistant  
Office of the Coordinator for International Energy Affairs (S/CIEA)  
U.S. Department of State  
FigueiredoJ@state.gov  
(p) 202-736-7872

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

## BIOGRAPHICAL INFORMATION

*Funding Country:* Morocco

*Name:* **Dr. Lahcen BOUTIB**

*Present Position:* Exploration Geologist, Petroleum Department, National Office of Hydrocarbons and Mines (ONHYM), Rabat

*Concurrent Position:* Not Assigned

*Previous Positions:* Geologist, did a gold exploration and geological study for a Moroccan private company, and an environmental assessment for Shell distribution in Tunisia in 2000;  
Professor of Science, University of tunis, 1999-2000;  
Consultant in satellite interpretation for the National Institute of Geology (IGN) in France, for the European Commission and for the Tunisian Environmental Agency, 1997-1998;  
As a geologist, also did geological mapping for the Tunisian Geological Survey, 1995-1999.

*Education/Training:* Ph.D. in Tectonics, School of Sciences, University of Tunis, Tunisia, 1998;  
Master's degree in Structural Geology, School of Sciences, University of Tunis, Tunisia, 1993;  
Master's degree in Geodynamics, School of Science, University of Tunis, Tunisia, 1993;  
Bachelor's degree in Earth Sciences, School of Sciences, Caddi Ayad University, Marrakech, 1991.

*Roles/Responsibilities:* Mr. Lahcen Boutib's role as an exploration geologist at the Petroleum Department of the National Office of Hydrocarbons and Mines (ONHYM) is to implement the evaluation studies of Moroccan basins in terms of petroleum potential. He is also responsible for the technical supervision of ONHYM partners.

*Memberships:* Member, the American Association of Petroleum Geologists (AAPG);  
Member, the Association of Protection of Natural and Geological Heritage;  
Member, the Association of Moroccan History, Painting, Art and Photography.

*Publications:* A dozen scientific articles published in international publications; 22 abstracts of lectures given at national and international seminars; two geological maps done for the Tunisian National Office of Mining.



*Address:*

[Redacted]

Rabat 10050  
Telephone: (212) [Redacted]  
Fax: (212-537) 28-16-62  
Email: [Redacted]@onhym.com

*Personal Data:*

Birth Date: [Redacted]  
Birth City: [Redacted]  
Birth Country: [Redacted]  
Marital Status: [Redacted]  
Gender: [Redacted]  
Speaker?: Yes  
Notify?: Yes  
Media?: Yes  
Home Stay?: No  
Home Hospitality?: Yes

*Special Considerations:*

No medical or physical considerations. [Redacted]

*Languages:*

Berber (native), Arabic (5), English (5), French (5)

*U.S. Travel:*

From September 4 to September 18, 2001, to participate in a field trip in the Brushy Canyon.

*Other Travel:*

Tunisia, from 1992 to 1998, for studies; in October 2004 and October 2002, to participate in a conference;  
United Kingdom, from January 30 to February 5, 2010, to participate in a workshop; in September 2009, to participate in a conference; in July 2008, to participate in a workshop; in March 2007, to participate in a conference;  
Brazil, November 2009, to participate in a conference;  
Switzerland, June 2006, to participate in a conference;  
Algeria, April 2005, to participate in a conference;  
France, September 2003, to participate in a conference.

*Professional Interests:*

Not Assigned

*Post Objectives:*

Post expects that visitor will gain a better understanding of the potential for gas resources in various types of Shale Gas plays, a knowledge of the types of technologies and service providers that exist for producing Shale Gas, and exposure to considerations surrounding Shale Gas extraction, including economic considerations, environmental impacts, and energy security concerns. The visitor will be better able to prioritize Morocco's

own development of Shale and other unconventional gas resources. He will also be favorably exposed to U.S. techniques and industry, the global leaders in the development of Shale Gas resources, gaining appreciation for the best practices learned in the U.S. industry.

*Visitor Objectives:* Visitor would like to explore, evaluate and assess the partnership with the U.S. in the domain of Shale Gas.

*Post Recommendations:* Post's recommendations will be forwarded later.

*Visitor Recommendations:* Visitor's interests include petroleum system assessment, field geological study, remote sensing, tectonics and fracturation study and geodynamics evolution of sedimentary basin.

*Justification:* Mr. Lahcen Boutib is one of the members of the ONHYM delegation to participate in the Voluntary Visitor Program on Global Shale Gas Initiative. The proposed Voluntary Visitor program is a part of the Department of State's a follow-up to our Global Shale Gas Initiative (GSGI) conference in August 2010. The Office of the Coordinator for International Energy Affairs would like to arrange a program in the United States for Moroccan hydrocarbon officials to include practical discussions with U.S. state regulators, private sector companies, and other officials involved in the development and regulation of shale gas resources. Shale gas resources hold promise in providing new energy resources that can replace alternatives that have higher emissions of greenhouse gases. The proposed meetings in Washington, DC and at various shale gas extraction sites around the country will expose the Moroccan officials to the different aspects of shale gas resources including opportunities to develop different types of shale gas plays, as well as potential obstacles in extraction such as water shortages, transmission and distribution losses, and technological barriers. The Moroccan delegation will also be able to exchange views with U.S. counterparts on applicable domestic issues, such as the economic environment, and regulatory and oversight mechanisms. The participation of Mr. Lahcen Boutib will support the MSRP goals Promoting U.S.-Moroccan Partnership and Promoting Economic Reform and Growth.

*Funding Country:* Morocco

*Name:* **Dr. Abdelwahid CHAKOR-ALAMI**

*Present Position:* Engineer, Head of Organic Geochemistry Department, National Office of Hydrocarbons and Mines (ONHYM) Rabat

*Concurrent Position:* Morocco Shale Gas Project Manager.

*Previous Positions:* Petroleum Exploration Department in Charge of Organic Geochemistry and Basin Modeling Studies, ONHYM, Rabat, 1988-2005;  
Morocco Shale Project, in charge of Laboratory Analysis, 1984-1987.

*Education/Training:* Ph.D. in Petroleum Chemistry, Louis Pasteur University, Strasbourg, France, June 1984;  
University Degree in Pollution, Louis Pasteur University, Strasbourg, France, 1983;  
Master's degree in applied Chemistry, Louis Pasteur University, Strasbourg, France, 1982;  
Bachelor's degree in Chemistry, Mohammed V University, Rabat.

*Roles/Responsibilities:* Mr. Abdelwahid Chakor-Alami role as the Head of the Organic Geochemistry Department at the National Office of Hydrocarbons and Mines is conducting and supervising the geochemical studies of rock oil, modeling of generations and expulsion of hydrocarbons. Mr. Chakor-Alami is responsible also of managing the organic geochemical laboratory at ONHYM.

*Memberships:* Secretary General, the Moroccan Association of Petroleum Geologists (MAPG).

*Publications:* Geochemical Characterization of Moroccan Tarfaya Oil Shale, 26th Oil Shale Symposium, Colorado School of Mine, 16-20 October 2006;  
Geochemical Carcterization of Hot Shale in Morocco, presented at the American Association of Petroleum Geologists (AAPG) Conference in Barcelona, September 21-September 24, 2004.

*Address:*   
Telephone: (212-)  
Fax: (212-537) 28-16-26  
Email: @onhym.com

*Personal Data:* Birth Date:   
BirthCity:   
Birth Country:   
Marital Status:   
Gender:   
Speaker?: Yes  
Notify?: Yes  
Media?: Yes

Home Stay?: No  
Home Hospitality?: Yes

*Special Considerations:* No medical or physical considerations.

*Languages:* Arabic (native), English (5), French (5), Spanish (4)

*U.S. Travel:* From August 22 to August 27, 2010.

*Other Travel:* Egypt, Alexandria, May 17-22, 2010, to participate in the 6th Mediterranean Offshore Conference and Exhibition (MOC 2010).

*Professional Interests:* Not Assigned

*Post Objectives:* Post expects that visitor will gain a better understanding of the potential for gas resources in various types of Shale Gas plays, a knowledge of the types of technologies and service providers that exist for producing Shale Gas, and exposure to considerations surrounding Shale Gas extraction, including economic considerations, environmental impacts, and energy security concerns. The visitor will be better able to prioritize Morocco's own development of Shale and other unconventional gas resources. He will also be favorably exposed to U.S. techniques and industry, the global leaders in the development of Shale Gas resources, gaining appreciation for the best practices learned in the U.S. industry.

*Visitor Objectives:* Visitor would like to learn more about the methods and techniques of exploration and development of shale gas in the U.S. Visitor would also like to learn about the history and culture of the U.S.

*Post Recommendations:* Post's recommendations will be forwarded later.

*Visitor Recommendations:* Visitor would like to visit one of the companies that develop and exploit the shale gas fields in Haynesville Louisiana.

*Justification:* Mr. Abdelwahid Chakor-Alami is one of the members of the ONHYM delegation to participate in the Voluntary Visitor Program on Global Shale Gas Initiative. The proposed Voluntary Visitor program is a part of the Department of State's a follow-up to our Global Shale Gas Initiative (GSGI) conference in August 2010. The Office of the Coordinator for International Energy Affairs would like to arrange a program in the United States for Moroccan hydrocarbon officials to include practical discussions with U.S. state regulators, private sector companies, and other officials involved in the development and regulation of shale gas resources. Shale gas resources hold promise in providing new energy resources that can replace alternatives that have higher emissions of greenhouse gases. The proposed meetings in Washington, DC and at various shale gas extraction sites around

the country will expose the Moroccan officials to the different aspects of shale gas resources including opportunities to develop different types of shale gas plays, as well as potential obstacles in extraction such as water shortages, transmission and distribution losses, and technological barriers. The Moroccan delegation will also be able to exchange views with U.S. counterparts on applicable domestic issues, such as the economic environment, and regulatory and oversight mechanisms. The participation of Mr. Chakor-Alami will support the MSRP goals Promoting U.S.-Moroccan Partnership and Promoting Economic Reform and Growth.

*Funding Country:* Morocco

*Name:* **Mr. Redouane HAJJAJ**

*Present Position:* Legal Adviser, National Office of Hydrocarbons and Mines, ONHYM, Rabat

*Concurrent Position:* Not Assigned

*Previous Positions:* Manager of a private business, 2003-2004.

*Education/Training:* Training Session on "International Petroleum Systems and Risk Analysis", University of Dundee, United Kingdom, 2010;  
Certificate after workshops on "Project Management", National Office of Hydrocarbons and Mines, ONHYM and Consilium, Rabat, 2009;  
Certificate after training session on "Negotiation and Contracting" at the Organizational Learning Center and University of Salford, Bolton, United Kingdom, 2009;  
Master's Degree in Public Law, School of Law, Mohammed V University, Rabat, 2007;  
Master's Degree in Arts of International Studies and Diplomacy, Al Akhawayn University, Ifrane, 2005;  
Bachelor's degree in Public Law, International Relations, Moulay Ismail University, Meknes, 2003.

*Roles/Responsibilities:* Mr. Redouan Hajjaj role as Legal Adviser at the National Office of Hydrocarbons and Mines (ONHYM) is the legal advising of ONHYM and its partners. He is also responsible of the legal and contractual monitoring of exploration projects and partnerships' productions and the writing of periodic reports regarding the progress of projects in partnership.

*Memberships:* None.



**Publications:** None.

**Address:**

[Redacted]  
Telephone: (212-[Redacted])  
Fax: (212-537) 28-16-26  
Email [Redacted]@onhym.com

**Personal Data:**

Birth Date: [Redacted]  
Birth City: [Redacted]  
Birth Country: [Redacted]  
Marital Status: [Redacted]  
Gender: [Redacted]  
Speaker?: No  
Notify?: No  
Media?: No  
Home Stay?: No  
Home Hospitality?: No

**Special Considerations:**

No medical or physical considerations. [Redacted]

**Languages:**

Arabic (native), English (5), French (5)

**U.S. Travel:**

A visit from October 18 to October 26, 2009.

**Other Travel:**

United Kingdom, May 2010 and June 2009, for a training program.

**Professional Interests:**

Not Assigned

**Post Objectives:**

Post expects that visitor will gain a better understanding of the potential for gas resources in various types of Shale Gas plays, a knowledge of the types of technologies and service providers that exist for producing Shale Gas, and exposure to considerations surrounding Shale Gas extraction, including economic considerations, environmental impacts, and energy security concerns. The visitor will be better able to prioritize Morocco's own development of Shale and other unconventional gas resources. He will also be favorably exposed to U.S. techniques and industry, the global leaders in the development of Shale Gas resources, gaining appreciation for the best practices learned in the U.S. industry.

**Visitor Objectives:**

Visitor would like to exchange experience with professionals on shale gas development with a focus on the legal and contractual

aspects of the projects (regulations, period of exploitation and mining licenses).

*Post Recommendations:*

Post's recommendation will be forwarded later.

*Visitor Recommendations:*

None in particular.

*Justification:*

Mr. Redouane Hajjaj is one of the members of the ONHYM delegation to participate in the Voluntary Visitor Program on Global Shale Gas Initiative. The proposed Voluntary Visitor program is a part of the Department of State's a follow-up to our Global Shale Gas Initiative (GSGI) conference in August 2010. The Office of the Coordinator for International Energy Affairs would like to arrange a program in the United States for Moroccan hydrocarbon officials to include practical discussions with U.S. state regulators, private sector companies, and other officials involved in the development and regulation of shale gas resources. Shale gas resources hold promise in providing new energy resources that can replace alternatives that have higher emissions of greenhouse gases. The proposed meetings in Washington, DC and at various shale gas extraction sites around the country will expose the Moroccan officials to the different aspects of shale gas resources including opportunities to develop different types of shale gas plays, as well as potential obstacles in extraction such as water shortages, transmission and distribution losses, and technological barriers. The Moroccan delegation will also be able to exchange views with U.S. counterparts on applicable domestic issues, such as the economic environment, and regulatory and oversight mechanisms. The participation of Mr. Hajjaj will support the MSRP goals Promoting U.S.-Moroccan Partnership and Promoting Economic Reform and Growth.

*Funding Country:*

Morocco

*Name:*

**Mr. Haddou JABOUR**

*Present Position:*

Head, Promotion and Partnership Division, National Office of Hydrocarbons and Mines, ONHYM, Rabat

*Concurrent Position:*

Not Assigned

*Previous Positions:*

Manager, Essaouira Center-West Sector, National Office of Hydrocarbons and Mines, ONHYM (2002-2006);  
Head, Petroleum Exploration Division, ONHYM (1996-2002);  
Exploration Geologist in charge of the Evaluation of Moroccan Sedimentary Basins and Petroleum Systems (1985-1996);  
Sound Geologist in charge of geological monitoring of oil drilling (1980-1983).

**Education/Training:** Master's Degree in Science, University of South Carolina, Columbia, 1985;  
Geological Engineer, School of Mineral Industry (ENIM), Rabat, 1980.

**Roles/Responsibilities:** Mr. Jabour's role as the Head of the Promotion and Partnership Division of the National Office of Hydrocarbons and Mines (ONHYM) is the promotion of hydrocarbon potential of Moroccan sedimentary basins within international petroleum industry. He is also the point of contact of Shales Gas Initiative in Morocco.

**Memberships:** Active member, American Association of Petroleum Geologists (AAPG);  
Vice-President of AAPG, Africa Region;  
Founding Member and Vice-President, Moroccan Association of Petroleum Geologists(MAPG).

**Publications:** Many science papers on hydrocarbon potential of Moroccan sedimentary basins.

**Address:**

[Redacted Address]

Telephone: (212- [Redacted])

Fax: (212-537) 28-16-26

Email: [Redacted]@onhym.com

**Personal Data:**

Birth Date: [Redacted]

Birth City: [Redacted]

Birth Country: [Redacted]

Marital Status: [Redacted]

Gender: [Redacted]

Speaker?: Yes

Notify?: Yes

Media?: Yes

Home Stay?: No

Home Hospitality?: Yes

**Special Considerations:**

No medical or physical considerations.

[Redacted]

**Languages:**

Arabic (native), Berber (5), English (5), French (5)

**U.S. Travel:**

In February and August, 2010, invited by State Department to participate in the Global Shale Gas Initiative (GSGI);  
1985, University of South Carolina, Columbia, SC, for a Master's degree in Science.

*Other Travel:* Australia, in October 2010, to participate in a promotional campaign of Shale Gas Initiative.

*Professional Interests:* Not Assigned

*Post Objectives:* Post expects that visitor will gain a better understanding of the potential for gas resources in various types of Shale Gas plays, a knowledge of the types of technologies and service providers that exist for producing Shale Gas, and exposure to considerations surrounding Shale Gas extraction, including economic considerations, environmental impacts, and energy security concerns. The visitor will be better able to prioritize Morocco's own development of Shale and other unconventional gas resources. He will also be favorably exposed to U.S. techniques and industry, the global leaders in the development of Shale Gas resources, gaining appreciation for the best practices learned in the U.S. industry.

*Visitor Objectives:* Visitor would like to learn about the American experience in the exploration and the production of shale gas and he would like also to keep contact with American professionals working in the Petroleum Industry.

*Post Recommendations:* Post's recommendations will be forwarded later.

*Visitor Recommendations:* Visitor is interested in visiting the Advanced Resource International (ARI), an unconventional resources consulting firm providing services related to unconventional gas with which the National Office of Hydrocarbons and Mines, ONHYM has started discussion in assessing Morocco shale gas potential. Visitor would like also to have meetings with the U.S. Trade and Development Agency (USTDA) staff.

*Justification:* Mr. Haddou Jabour is one of the members of the ONHYM delegation to participate in the Voluntary Visitor Program on Global Shale Gas Initiative. The proposed Voluntary Visitor program is a part of the Department of State's a follow-up to our Global Shale Gas Initiative (GSGI) conference in August 2010. The Office of the Coordinator for International Energy Affairs would like to arrange a program in the United States for Moroccan hydrocarbon officials to include practical discussions with U.S. state regulators, private sector companies, and other officials involved in the development and regulation of shale gas resources. Shale gas resources hold promise in providing new energy resources that can replace alternatives that have higher emissions of greenhouse gases. The proposed meetings in Washington, DC and at various shale gas extraction sites around the country will expose the Moroccan officials to the different aspects of shale gas resources including opportunities to develop different types of

shale gas plays, as well as potential obstacles in extraction such as water shortages, transmission and distribution losses, and technological barriers. The Moroccan delegation will also be able to exchange views with U.S. counterparts on applicable domestic issues, such as the economic environment, and regulatory and oversight mechanisms. The participation of Mr. Jabour will support the MSRP goals Promoting U.S.-Moroccan Partnership and Promoting Economic Reform and Growth.

*Funding Country:* Morocco

*Name:* **Mr. Ahmed KORACHI-ALAOUI**

*Present Position:* Manager of Studies and Planning Division, National Office of Hydrocarbons and Mines, ONHYM, Rabat

*Concurrent Position:* Not Assigned

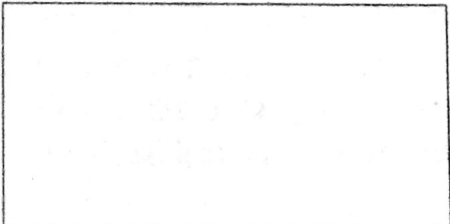
*Previous Positions:* Completion and Security Manager, National Office of Hydrocarbons and Mines, ONHYM, 2003-2006;  
Senior Reservoir Engineer, National Office of Hydrocarbons and Mines, ONHYM, from 1987 to 2003.

*Education/Training:* Master's Degree in Science, Petroleum Engineering, University of Alabama, Tuscaloosa, AL, 1985;  
Bachelor's Degree in Sciences and Physics, Mohammed V University, Rabat, 1981.

*Roles/Responsibilities:* Mr. Korachi Alaoui's role as the Manager of Studies and Planning Division at the National Office of Hydrocarbons and Mines (ONHYM) is to implement reservoir's studies and projects' development, market and the technico-economic feasibility of those projects. He is also responsible of planning, managing and controlling the production of hydrocarbon reserves in Morocco, of ONHYM and its partners. Mr. Korachi Alaoui supervises the optimization of the production of hydrocarbons' deposits in order to obtain better recuperation.

*Memberships:* Member , Federation of Energy representing the National Office of Hydrocarbons and Mines, ONHYM.

*Publications:* None.

*Address:* 

Telephone: (212-  
Fax: (212-537) 79-44-75  
Email: @onhym.com

*Personal Data:*

Birth Date:   
Birth City:   
Birth Country:   
Marital Status:   
Gender:   
Speaker?: Yes  
Notify?: Yes  
Media?: Yes  
Home Stay?: No  
Home Hospitality?: Yes

*Special Considerations:*

No medical or physical considerations.

*Languages:*

Arabic (native), English (5), French (5)

*U.S. Travel:*

In 1985, to prepare a Master's Degree at the University of Alabama, Tuscaloosa, AL and several business trips in 2000, 2004 and 2007.

*Other Travel:*

Nigeria, June 2010, to participate in a seminar organized by the International Agency of Atomic Energy (AIEA) about "Regional Training Course on Methodology of Applications of Radiotracers in Oil Fields";  
France, Paris, October 2009, to attend meetings with Circle Oil, a partner of the National Office of Hydrocarbons and Mines (ONHYM) and discuss results of the drilling campaign;  
Tunisia, June 2008, to attend a seminar organized by Kappa (a petroleum engineering software company) about the interpretation of oil well tests' results.

*Professional Interests:*

Not Assigned

*Post Objectives:*

Post expects that visitor will gain a better understanding of the potential for gas resources in various types of Shale Gas plays, a knowledge of the types of technologies and service providers that exist for producing Shale Gas, and exposure to considerations surrounding Shale Gas extraction, including economic considerations, environmental impacts, and energy security concerns. The visitor will be better able to prioritize Morocco's own development of Shale and other unconventional gas resources. He will also be favorably exposed to U.S. techniques and industry, the global leaders in the development of Shale Gas resources,

B6  
B6  
B6  
B6  
B6



gaining appreciation for the best practices learned in the U.S. industry.

*Visitor Objectives:*

Visitor would like to learn about the technics used in drilling and shale's Gas wells, the cost needed in the implementation of Shale's Gas Fields (costs of wells, installation, services, ...), the technics in monitoring the wells' performances and production projection of Shale Gas Fields, the marketing of the Shale Gas and the environmental solutions related to the mining of Shale Gas. Visitor would like also to keep contact with professionals in the American Petroleum Industry.

*Post Recommendations:*

Post's recommendations will be forwarded later.

*Visitor Recommendations:*

None in particular.

*Justification:*

Mr. Ahmed Korachi-Alaoui is one of the members of the ONHYM delegation to participate in the Voluntary Visitor Program on Global Shale Gas Initiative. The proposed Voluntary Visitor program is a part of the Department of State's a follow-up to our Global Shale Gas Initiative (GSGI) conference in August 2010. The Office of the Coordinator for International Energy Affairs would like to arrange a program in the United States for Moroccan hydrocarbon officials to include practical discussions with U.S. state regulators, private sector companies, and other officials involved in the development and regulation of shale gas resources. Shale gas resources hold promise in providing new energy resources that can replace alternatives that have higher emissions of greenhouse gases. The proposed meetings in Washington, DC and at various shale gas extraction sites around the country will expose the Moroccan officials to the different aspects of shale gas resources including opportunities to develop different types of shale gas plays, as well as potential obstacles in extraction such as water shortages, transmission and distribution losses, and technological barriers. The Moroccan delegation will also be able to exchange views with U.S. counterparts on applicable domestic issues, such as the economic environment, and regulatory and oversight mechanisms. The participation of Mr. Korachi-Alaoui will support the MSRP goals Promoting U.S.-Moroccan Partnership and Promoting Economic Reform and Growth.



RE South Africa shale gas update.txt

From: Figueiredo, Joseph  
 Sent: Wednesday, December 08, 2010 8:50 AM  
 To: Hueper, Paul F  
 Subject: RE: South Africa shale gas update

|                            |
|----------------------------|
| RELEASED IN<br>PART B5, B6 |
|----------------------------|

Alright, I guess I wasn't clear enough on that with David. I tried to borrow a blackberry for exactly such a situation, and really all of this would have been solved by a quick e-mail message from me! I hope he was not upset at you about that. See you at the lunch.

Joe

From: Hueper, Paul F  
 Sent: Wednesday, December 08, 2010 9:10 AM  
 To: Figueiredo, Joseph  
 Cc: Sullivan, Michael A  
 Subject: RE: South Africa shale gas update

Hi Joe,

We're fine on all this. But David made it very clear to me that he didn't know that Mr. Mkhize wasn't aware of GSGI and the MOU. So if you know he knew, then I don't know what's going on. Just send any links you have to water, enviro and general issues. It's more important that we just do the follow up then trying to ID specific docs. If they want something more specific, they always can ask. Great the program is going well so far. Morocco for EGCI isn't going to happen. See you at lunch!

Paul

From: Figueiredo, Joseph  
 Sent: Wednesday, December 08, 2010 8:29 AM  
 To: Hueper, Paul F  
 Cc: Sullivan, Michael A  
 Subject: RE: South Africa shale gas update

Paul,

- 1) David knew that Mr. Mkhize was not aware of the GSGI and/or the MOU. Embassy Pretoria is meeting/met with the Mr. Mkhize and the Director of Hydrocarbon at SADOE today (I thought Mr. Mkhize was the DG of Hydrocarbons, but perhaps not). They were planning on initially presenting him with the MOU. I do not have a blackberry nor did I have access to a laptop and was in the Morocco meetings all day, so I was not aware that the phone call had been scheduled and was unable to provide more background for David. However, based upon our earlier discussions, it was clear that this was a push we were making to help connect the dots and try to speed up the MOU to be agreed to before the December 14th visit (which now seems unlikely).
- 2) I understand, but it was my understanding that David really wanted it done, so I have been beating the grass and shaking the trees over there to see what could happen. They have

|                                                     |
|-----------------------------------------------------|
| REVIEW AUTHORITY: Adolph Eisner, Senior<br>Reviewer |
|-----------------------------------------------------|

RE South Africa shale gas update.txt

always said it was unlikely, but we wanted to make sure that all means were employed to actually arrive at that conclusion.

3) which documents should I send?

4) I understood and remember clearly what you said about the assessments, but the figure 11 was on the one pager. Furthermore, I genuinely do not know the difference between a lite assessment and a regular one. I apologize if this got you in any trouble and completely agree that we should not commit to anything unless we know funding and support is there publicly. That being said, the statement was vague enough (I believe it said we "anticipate" a dozen assessments in FY 2011) so as to allow for some backtracking, and without further direction, I decided to include it. I am happy to help, where I can, with the uphill battle with USGS.

Welcome back, and let's discuss this more when I get in the office after the lunch with the Moroccans. Chris Schenk and Kevin send their regards (and gave very good presentations). Kevin all but invited Morocco into the EGCI program, and spent not a small amount of his time talking about offshore drilling (which admittedly is his thing). Chris also spent a bunch of time talking about tight gas and CBM. Overall, I believe the Moroccans have been very pleased with our program. I was going to come into the office this morning, but felt that it made more sense to work from home and then head over to the AGA for the last bit of the Washington program for the Moroccans.

Thanks!

Joe

From: Hueper, Paul F  
Sent: Tuesday, December 07, 2010 10:25 AM  
To: Figueiredo, Joseph  
Cc: Sullivan, Michael A  
Subject: South Africa shale gas update

Joe,

David did the call. It was a "cart before the horse" thing- Mr. Mkhize had no idea what the call was about or about GSGI and hadn't seen the MOU (obviously because the Embassy hasn't delivered it yet). He said:

1) Embassy Pretoria should approach the Director General of Hydrocarbons at South Africa's DOE. (The DG's name phonetically sounded like Male Makubani, but the correct spelling needs to be found.)

2) A MOU like this "will have to go thru a process and will take some time." It clearly won't be ready next week.

3) The offer is appreciate and timely, however. In the meantime, he would

Page 2

RE South Africa shale gas update.txt

appreciate links to any relevant documents we might have on general issues of application (water, safety, enviro). Just send them to him directly so his team can download.

After the call, David said he does not to be publicly saying that we're going to do 11 assessments or name countries until we're sure USGS will do them. As I related to you before, Chris told me that after they finish with China, India, the Cone, Morocco and Jordan, that they'll have enough remaining funds to do "lite assessments" for eight countries. [redacted]

B5

[redacted]

I will handle in the next day or so.

Paul

From: Goldwyn, David L  
Sent: Tuesday, December 07, 2010 8:44 AM  
To: Byla, Robert K  
Cc: Figueiredo, Joseph; Hueper, Paul F  
Subject: Re: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

Ask joe to have points for me when I arrive please.

From: Byla, Robert K  
To: Goldwyn, David L  
Sent: Tue Dec 07 08:32:28 2010  
Subject: FW: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE  
David, do you plan to be in the office by 9 this morning? want to see if you can take this call.

From: Mmarena Mphahlele [mailto:[redacted] gov.za]  
Sent: Tuesday, December 07, 2010 1:50 AM  
To: Byla, Robert K; Elizabeth Marabwa  
Cc: Muzi Mkhize  
Subject: RE: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

B6

Good morning,

Please find the contacts detail for Mr. Mkhize and 16:00 today (07/12/2010) will work.  
(+27 12) 444 4016 or [redacted]

B6

Kind regards,

Florence Mphahlele

From: Byla, Robert K [mailto:BylaRK@state.gov]  
Sent: Monday, December 06, 2010 4:22 PM  
To: Mmarena Mphahlele; Elizabeth Marabwa  
Cc: Muzi Mkhize  
Subject: RE: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

Hello,

16:00 South African time tomorrow, Tuesday December 7th, or 18:00 wednesday the 8th would work

RE South Africa shale gas update.txt  
well. Please advise if this works and which number we should dial.

Thanks,

Robert K. Byla  
Management Assistant  
PRO-telligent, LLC Support Contractor  
Office of the Coordinator for International Energy Affairs  
Tel: (202) 647-8543  
Fax: (202) 736-7875

From: Mmarena Mphahlele [mailto: [redacted] gov.za]  
Sent: Monday, December 06, 2010 12:54 AM  
To: Elizabeth Marabwa; Byla, Robert K  
Cc: Muzi Mkhize; Byla, Robert K  
Subject: RE: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

Good morning,

At what time is it suitable to call? Because of our time difference.

Kind regards,

Florence Mphahlele

From: Elizabeth Marabwa  
Sent: Saturday, December 04, 2010 12:36 AM  
To: Byla, Robert K  
Cc: Muzi Mkhize; Mmarena Mphahlele; Byla, Robert K  
Subject: RE: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

Dear Mmarena,

Please as a matter of urgency call the Mr Byla and set up a teleconference as requested on +202 647-8543. Mr Mkhize mobile number is +27 [redacted]

Kind regards,

Elizabeth Marabwa  
Acting Chief Director: International Cooperation  
Department of Energy  
Private Bag X 19, Pretoria,  
0007 Travenna Campus,  
Cnr Meintjies and Schoeman Street,  
Sunnyside, Pretoria  
Tel: [redacted]  
Fax: [redacted]  
Mobile: [redacted]  
E-mail: [redacted] .gov.za

From: Byla, Robert K [mailto:BylaRK@state.gov]  
Sent: 03 December 2010 03:33 PM  
To: Elizabeth Marabwa  
Subject: RE: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

RE South Africa shale gas update.txt

Hello Elizabeth,

Thanks for sending this. I have not yet received a response. Do you happen to have a phone number for Mr. Mkhize's assistant that I could dial to set up a call?

Thanks,

Robert K. Byla  
Management Assistant  
PRO-telligent, LLC Support Contractor  
Office of the Coordinator for International Energy Affairs  
Tel: (202) 647-8543  
Fax: (202) 736-7875

From: Elizabeth Marabwa [mailto: [redacted] gov.za]  
Sent: Thursday, December 02, 2010 8:25 AM  
To: Byla, Robert K; Muzi Mkhize; Mmarena Mphahlele  
Cc: Figueiredo, Joseph  
Subject: RE: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

B6

Dear Mr Mkhize

Please schedule a call with Mr Robert K. Byla as requested in the email below. Robert, your email has reference, Mr Mkhize will be in touch with your office. Florence, please follow up.  
Kind regards,

Elizabeth Marabwa  
Acting Chief Director: International Cooperation  
Department of Energy  
Private Bag X 19, Pretoria,  
0007 Travenna Campus,  
Cnr Meintjies and Schoeman Street,  
Sunnyside, Pretoria  
Tel: [redacted]  
Fax: [redacted]  
Mobile: [redacted]  
E-mail: [redacted] gov.za

From: Byla, Robert K [mailto:BylaRK@state.gov]  
Sent: 30 November 2010 05:57 PM  
To: Elizabeth Marabwa  
Cc: Figueiredo, Joseph  
Subject: Phone Call with Mr. Muzi Mkhize, Chief Director of Hydrocarbons, South African DOE

Hello Ms. Marabwa,  
I am writing to request a telephone call on behalf of Special Envoy for International Energy Affairs David Goldwyn with Mr. Muzi Mkhize. The subject would be US-South Africa Shale Gas MOU. Please let me know when it might be possible for us to schedule this call.  
Thank you,  
Robert K. Byla

RE South Africa shale gas update.tot  
Management Assistant  
P&G Telligent, LLC Support Contractor  
Office of the Coordinator for International Energy Affairs  
Tel: (202) 647-8543  
Fax: (202) 736-7875

RELEASED IN FULL

FW PACE-D shale gas voluntary visitor program.txt  
 From: Figueiredo, Joseph  
 Sent: Friday, October 01, 2010 10:51 AM  
 To: Hueper, Paul F  
 Subject: FW: PACE-D / shale gas voluntary visitor program  
 Attachments: Justification for the Visit of Indian Officials to the US.DOCX

DECONTROLLED

Hey Paul, Can look over this and tell me if it is a good enough "justification" document (it's exactly like the example he gave me)? I will respond with all the answers to his questions after you look this over.  
 It is attached, but I also pasted it below because I know you are on BB.

Thanks

Joe

Justification for the Visit of Indian Officials to the U.S.

India is an important country with a growing economy that has increasing energy needs and has much at stake in the reliable functioning of energy markets. For the United States, India is a pivotal player and has emerged as a strategic partner in furthering energy cooperation and combating climate change. As the world's sixth largest energy consumer, India accounts for 3.4% of global energy consumption. With India's economic rise, its demand for energy has grown significantly over the past 30 years. The IEA projects that India will account for 16% of the global increase in primary energy use by 2030. Shale gas can provide the reserve base necessary for expanded gas consumption if gas is used as a lower-carbon "bridge fuel" to reduce CO2 emissions in the near term. Under the November 2009 US-India MOU which outlines cooperation in energy security, clean energy, and climate change, both countries agreed to specifically collaborate on unconventional energy sources of energy. These discussions continued at the June 2010 U.S.-India Strategic Dialogue talks to deepen cooperation on India's shale gas resource development. In August 2010, the Indians participated in the Global Shale Gas Initiative Regulatory Conference hosted by the U.S. Special Envoy for International Energy Affairs David Goldwyn to discuss the full range of regulatory, investment, and environmental issues involved with shale gas development. We are working with the GOI to discuss key issues towards endorsing a bilateral MOU to promote the identification and development of shale gas resources in India.

We recommend a ten day U.S. visit by five Indian officials that will include meetings in Washington DC for sessions on technical and regulatory aspects involved in developing a responsible shale gas industry. These meetings would be led by officials from various U.S. bureaus, and would be focused on specific needs based on issues facing a country or region. Site visits to a shale gas extraction site would include meetings with private sector companies, state regulators, and other relevant officials.

From: Donovan, Jason A (New Delhi)  
 Sent: Friday, October 01, 2010 3:06 AM  
 To: Figueiredo, Joseph; Das, J P; Sullivan, Michael A  
 Cc: Hueper, Paul F  
 Subject: Fw: PACE-D / shale gas voluntary visitor program

Joe,

would you please provide the requested information to JP?

Please keep us copied.

Page 1

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer



FW PACE-D shale gas voluntary visitor program.txt

Many thanks, Jason

Jason Donovan  
U.S. Embassy New Delhi

From: Das, J P  
To: Donovan, Jason A (New Delhi)  
Cc: Rajagopal, Geetha; Masih, Livya; Seshadri Anne L; Morimura, Stephanie F  
Sent: Fri Oct 01 12:27:18 2010  
Subject: RE: PACE-D / shale gas voluntary visitor program  
Dear Jason,  
Thank you for the clarification.

The next step is to let us know the tentative time frame you want us to set for this visit. As I've already explained, dates fill up quickly and the sooner we let our preference known, the better are our chances of getting it. Also, could you please indicate the number of participants you plan to send? Our colleagues in ECA's Volvis office would need a brief justification of this program. I have attached a sample justification for your reference. Later in the process, we would like to have the bio data of the nominees in the attached form.

Let me know if you have questions.  
Best, JP

SBU  
This email is UNCLASSIFIED.

From: Donovan, Jason A (New Delhi)  
Sent: Thursday, September 30, 2010 1:06 PM  
To: Pelletier, Michael P; Thornhill, M. Elizabeth; Das, J P; Morimura, Stephanie F; Macy, Michael P; Seshadri Anne L  
Subject: RE: PACE-D / shale gas voluntary visitor program

Important clarifications on what the shale gas initiative is and is not:

Please note that neither in our GSGI program, nor with our India deliverables for the upcoming POTUS trip, are we proposing ANY "cooperation on shale gas extraction." Our funding also is NOT being used to "promote" shale gas resource development or extraction. (USTDA, however, could be construed as doing "promotion" with its own funds during any OV under ECP.)

As with our GSGI program in other countries, we are proposing two things: 1) assisting India to better understand its unconventional (e.g., shale gas) resource potential; and 2) assisting India to better understand the myriad of technical, operational, environmental, policy, regulatory and legal challenges associated with optimally managing shale gas resource development.

Page 2

FW PACE-D shale gas voluntary visitor program.txt

SBU  
This email is UNCLASSIFIED.

From: Pelletier, Michael P  
Sent: Wednesday, September 29, 2010 6:29 PM  
To: Donovan, Jason A (New Delhi); Thornhill, M. Elizabeth; Das, J P; Morimura, Stephanie F; Macy, Michael P; Seshadri Anne L  
Cc: Hall, Blair P; 'hsteingass@ustda.gov'; 'bkalyanaraman@ustda.gov'; Shah, Sikander R  
Subject: Re: PACE-D / shale gas voluntary visitor program

Looping in the rest of the exchanges team  
---- Sent From Blackberry ----

From: Donovan, Jason A (New Delhi)  
To: Thornhill, M. Elizabeth; Das, J P  
Cc: Hall, Blair P; Pelletier, Michael P; Steingass, Henry <hsteingass@ustda.gov>; 'Kalyanaraman, Balakrishnan' <bkalyanaraman@ustda.gov>; Shah, Sikander R  
Sent: wed Sep 29 18:19:46 2010  
Subject: PACE-D / shale gas voluntary visitor program  
PA Colleagues,

Following is a description of the VolVis program that the organizers of the shale gas initiative have in mind.

would you please let me know if this is enough to get started with the planning or if there is further detail that you need.

Many thanks,

Jason

How about the VolVis program and reverse trade mission - what would be the ideal time and composition of those?

We're arranging another visit in early Dec for officials from two other countries. This visit likely will be a good model (and test run). For India, we'd probably be looking at early next year (late Jan/Feb) time frame.

A VV program for GOI officials and Indian companies (as appropriate) likely would comprise 2-3 days of meetings in WDC with USG officials and the Washington offices of major US companies. We likely could arrange a ½ or one day-long roundtable discussions with key US agencies, including on regulatory and environmental issues. The delegation then would visit Houston to meet with companies and do a site visit. The two best options for the third city would be either Pittsburgh (to meet with NETL to discuss technology and the lab's research) or to Denver (to tour USGS's facilities, core labs, etc...). Site visits would be possible near Pittsburgh or about an hour outside of Grand Junction.

Jason A. Donovan

---

Page 3

FW PACE-D shale gas voluntary visitor program.txt

First Secretary  
Unit Chief for Energy & ICT

Economic, Environment,  
Science and Technology Section  
U.S. Embassy New Delhi

+ 91 (11) 2419 - 8375  
DonovanJ@state.gov

---

??Please consider the environment  
before printing this email.

SBU  
This email is UNCLASSIFIED.

RELEASED IN FULL

RE Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas.txt

From: Figueiredo, Joseph  
Sent: Tuesday, October 12, 2010 2:50 PM  
To: Hueper, Paul F  
Cc: Sullivan, Michael A  
Subject: RE: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas

Paul,

Just to confirm what we just discussed, see highlighted portion below.

Thanks!

Joe

From: Hueper, Paul F  
Sent: Tuesday, October 12, 2010 2:46 PM  
To: Figueiredo, Joseph  
Cc: Sullivan, Michael A  
Subject: RE: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas

Joe - please don't respond on this. They're just telling us that they're approaching USTDA with a request. There's no ask for us on GSGI.

From: Figueiredo, Joseph  
Sent: Tuesday, October 12, 2010 2:17 PM  
To: Hueper, Paul F  
Cc: Sullivan, Michael A  
Subject: RE: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas

There is still time!

From: Hueper, Paul F  
Sent: Tuesday, October 12, 2010 2:16 PM  
To: Figueiredo, Joseph  
Cc: Sullivan, Michael A  
Subject: RE: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas

Yes please. I was afraid we'd let the Baltics/Balkans/Poland/Ukraine beating down our doors after that.

From: Figueiredo, Joseph  
Sent: Tuesday, October 12, 2010 2:12 PM  
To: Hueper, Paul F  
Cc: Sullivan, Michael A  
Subject: FW: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas  
Importance: High

Paul, looks like the Latvians want to cooperate on Shale gas now. Do you want me to contact Post in Riga (forward them the information below and attached) and tell them what we told the Romanian's (we could help set up meetings, but it would have to be an IVLP)? Thanks!

Joe

Page 1

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

RE Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas.txt  
From: Peterson, Julie Anne  
Sent: Tuesday, October 12, 2010 2:07 PM  
To: Figueiredo, Joseph  
Subject: FW: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas  
Importance: High

Joe -

Perhaps you can help me with my question. See email from Latvians below. Thanks!

This email is UNCLASSIFIED.

From: Peterson, Julie Anne  
Sent: Tuesday, October 12, 2010 2:06 PM  
To: Myers, Luvean B  
Subject: FW: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas  
Importance: High

Luvean -

I know you were working the shale gas conference earlier this year, so maybe you can point me in the right direction. Any ideas about who the Latvians might contact?

Best,

Julie-Anne

This email is UNCLASSIFIED.

From: Vicmanis, Guntars  
Sent: Tuesday, October 12, 2010 6:31 AM  
To: Peterson, Julie Anne; 'Jennifer Derstine'; 'Apicelli, Michael'; 'Merriman, Jamie'  
Cc: Neff, Rebecca H; Catherine Spratt; Bailey, Heath; Phipps, Brian H  
Subject: Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas  
Importance: High

Dear Colleagues,

Please find attached the Diplomatic Note from the Latvian Ministry of Foreign Affairs expressing their interest in U.S. Government support in doing a feasibility study on shale gas potential in the territory of Latvia. Attached to the Dipnote there is a non-paper on Latvia's interest in this regard.

We understand that at this point USTDA is unable to engage in such a project with Latvia due to Latvia's current rank in world Bank classification of countries by their income levels.

At the same time we would be interested to explore, if there are any other programs/activities that could be targeted to this.

Please let us know.

Page 2

RE Latvian Ministry of Foreign Affairs requests support in exploring feasibility of shale gas.txt  
With best regards

Guntars Vi?manis  
Commercial Specialist  
U.S. Embassy,  
Raina Blvd. 7,  
Riga, LV-1510, Latvia  
Phone: +371 6703-6291  
Fax: +371 6782-0047  
Internet: [www.usembassy.lv](http://www.usembassy.lv); [www.buyusa.gov/Baltics](http://www.buyusa.gov/Baltics)

This email is UNCLASSIFIED.



RELEASED IN PART B6

RE Potential US-Romanian Cooperation on Unconventional gas.txt  
 From: Figueiredo, Joseph  
 Sent: Friday, October 08, 2010 10:27 AM  
 To: LaBarge, Blair L  
 Cc: Hueper, Paul F; Sullivan, Michael A; Neff, Rebecca H; Menendez, Bianca E;  
 Konditi, Tomika L; Greenstein, Alex D; Guy, Patricia H; O'Reagan, Julie A  
 Subject: RE: Potential US-Romanian Cooperation on Unconventional gas

Follow Up Flag: Follow up  
 Flag Status: Flagged

Blair, great to hear from you. We understand your concern and would suggest that if this is something you are interested in, then you may want to consider an IVP. The GSGI conference in August represented a broad brush approach to the assessment, development, and regulation of shale gas. The IVP would have a specific focus on Romania's issues, including shale resource type as well as its current financial and regulatory regimes. They would have their own sessions with USG agencies as well as further exposure to private industry. We are happy to recommend which USG entities and private industry companies would be the most relevant and effective for Romanian officials to meet with, as well as suggest which officials would be most appropriate for Romania to send on such a visit.

Please contact me if you have any further questions or concerns.

Best,

Joe

Joseph Figueiredo  
 Special Assistant  
 Office of the Coordinator for International Energy Affairs (S/CIEA)  
 U.S. Department of State  
 FigueiredoJ@state.gov  
 (p) 202-736-7872

---

From: LaBarge, Blair L  
 Sent: Friday, October 08, 2010 1:15 AM  
 To: Figueiredo, Joseph  
 Cc: Hueper, Paul F; Sullivan, Michael A; Neff, Rebecca H; Menendez, Bianca E;  
 Konditi, Tomika L;  
 Greenstein, Alex D; Guy, Patricia H; O'Reagan, Julie A  
 Subject: RE: Potential US-Romanian Cooperation on Unconventional gas

Joe, thanks for your e-mail. I'm copying here my deputy, Valerie Bilgri-Holm, and our Economic Specialist, Dana Stanescu, who have the energy portfolio for us and will handle any follow-up. Since you reference visitor programs, I'm also looping in our PD folks.

One question: Since two Romgaz officials just attended the Shale Gas Conference, can you tell me what a U.S. visit would be intended to accomplish beyond the conference and the site visit that was

Page 1

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

RE Potential US-Romanian Cooperation on Unconventional gas.txt included? I ask this because, while we would certainly be interested on this end in encouraging such a visit, I'm not sure whether we could arrange this as an IVP before the next annual round of IVP nominations in the spring. And if we do as a VolVis, then we'll need to be able to describe for contacts here why the follow-up visit is a worthwhile use of their scarce travel funds, especially in today's very austere Romanian budget environment. We have a couple of approved volvis travelers already in the queue (not for energy programs), but PD can't accommodate their visits to the U.S. until the spring at the earliest. PD will need to advise me on what our options might be, and we can take it from there.  
Best,

Blair LaBarge  
Economic Counselor  
U.S. Embassy Bucharest  
P: (40-21) 200-3440  
F: (40-21) 200-3442

MESSAGE NOT FOR INTERNET DISTRIBUTION

This email is UNCLASSIFIED  
From: Figueiredo, Joseph  
Sent: Friday, October 08, 2010 1:26 AM  
To: LaBarge, Blair L  
Cc: Hueper, Paul F; Sullivan, Michael A; Neff, Rebecca H; Menendez, Bianca E; Konditi, Tomika L; Greenstein, Alex D  
Subject: RE: Potential US-Romanian Cooperation on Unconventional gas

Blair,

Please disregard the USGS trip to Romania aspect of the e-mail below (the highlighted portion below)! I was mistaken. Basically, we want to know if you are interested in having a VolVis or IVLP with Romania coming to the US. If so, we can ensure that the meetings happen in DC, which would include potentially meetings with USGS and the site visit as explained below. My apologies for any confusion.

Joe

---

From: Figueiredo, Joseph  
Sent: Thursday, October 07, 2010 6:03 PM  
To: LaBarge, Blair L  
Cc: Hueper, Paul F; Sullivan, Michael A; Neff, Rebecca H; Menendez, Bianca E; Konditi, Tomika L  
Subject: Potential US-Romanian Cooperation on Unconventional gas

Hello Blair,

After Romania participated in our Global Shale Gas Initiative conference in late August, Ambassador Adrian Vierita requested a meeting with special Envoy David Goldwyn. We met with  
Page 2

RE Potential US-Romanian Cooperation on Unconventional gas.txt

him a couple of days ago and he believes shale gas development has the potential to provide Romania with an ability to meet its overall energy security objectives. Ambassador Vierita has asked for our assistance on helping to better understand the direct and indirect challenges and issues related to shale gas development.

While we lack the funds to deploy USGS to do resource assessment work there, we do believe the country has potentially significant shale gas potential (Chevron just picked up a few acreage blocks in the recent licensing round). Therefore, we would like to explore two options with you to see if you may be able to support one of them. Basically, the program we have envisioned would include:

- A shale gas resource assessment by USGS to evaluating areas of Romania likely to have significant shale gas resources. Furthermore, the USGS would train Romanian Officials in areas including shale gas resource assessment methodology and characterization of shale gas resource quality and quantity in order to better understand its production potential.

- An IVLP program would likely comprise a visit from Romanian Officials for 2-3 days of meetings in DC and they would meet USG officials and the Washington offices of major US companies. We could also likely arrange a ½ or one day-long roundtable discussions with key US agencies, including on regulatory and environmental issues. The delegation then would go on a site visit and meet with companies on the ground.

Cristina Gaginsky is our POC at the Romanian embassy here and we'd be happy to connect you with her if it is something you are interested in.

Please do not hesitate to contact me if you have any questions or concerns.

Thanks!

Joe

Joseph Figueiredo  
Special Assistant  
Office of the Coordinator for International Energy Affairs (S/CIEA)  
U.S. Department of State  
FigueiredoJ@state.gov  
(p) 202-736-7872

From: Cristina Gaginsky [mailto: [REDACTED]@roembus.org]  
Sent: Thursday, October 07, 2010 11:02 AM  
To: Hueper, Paul F  
Subject: RE: brief follow-up

Paul -  
Thank you for the feed-back. we'll stay in touch with you and Joe.  
Best regards,

Page 3

RE Potential US-Romanian Cooperation on Unconventional gas.txt  
Cristina

Cristina -VictoriaGAGINSKY  
Counselor, Political Section  
Embassy of Romania  
1607 23rd street, NW, Washington, DC- 20008  
Phone: 202 [redacted]  
Fax: 202 232 4748  
Cell: [redacted]  
e-mail: [redacted]roembus.org

From: Hueper, Paul F [mailto:HueperPF@state.gov]  
Sent: Wednesday, October 06, 2010 5:49 PM  
To: Cristina Gaginsky  
Cc: Figueiredo, Joseph  
Subject: RE: brief follow-up

Hi Cristina,

Many thanks for coming in to meet and for the followup e-mail! We are in the process of following up with the US Embassy in Bucharest. I've copied Joe Figueiredo, who works in our office and will be involved in any visit/options that we can arrange. We'll be back in contact with you on this.

Best,  
Paul

Paul Hueper  
Senior Advisor  
Office of the Coordinator for International Energy Affairs (S/CIEA)  
U.S. Department of State  
Tel: (202) 647-8510  
Fax: (202) 647-7453

From: Cristina Gaginsky [mailto:[redacted]@roembus.org]  
Sent: Wednesday, October 06, 2010 3:57 PM  
To: Hueper, Paul F  
Subject: brief follow-up

Dear Mr. Hueper -  
I was very pleased with the opportunity to attend the yesterday discussion and also meet you. The Embassy will follow through the ideas and suggestions raised during the meeting and keep you up-dated with the progress.  
With best regards,  
Cristina

Cristina -VictoriaGAGINSKY  
Counselor, Political Section  
Embassy of Romania  
1607 23rd street, NW, Washington, DC- 20008  
Phone: 202 [redacted]  
Fax: 202 232 4748  
Cell: [redacted]  
e-mail: [redacted]roembus.org

RELEASED IN PART B6

From: FW Georgia - Participation in the conference (23-24 August).txt  
Myers, Luvean B  
Sent: Thursday, August 19, 2010 11:34 AM  
To: Sullivan, Michael A; Moynihan, Sheila; Figueiredo, Joseph  
Subject: FW: Georgia - Participation in the conference (23-24 August)

Classification: UNCLASSIFIED

See below re: Georgia

From: Olson, Erika  
Sent: Thursday, August 19, 2010 11:33 AM  
To: Myers, Luvean B  
Cc: Yakhedts, Anya; Fisher, Julie D  
Subject: FW: Georgia - Participation in the conference (23-24 August)

Luvean and Anya,

I received the below message from the delegation who was schedule to travel to Washington for the Shale Gas Conference. It now looks like only Mr George Tatishvili will be attending due to an urgent change of plans.

Erika

This email is UNCLASSIFIED.

From: Akaki Kvantaliani [mailto: [redacted]@gogc.ge]  
Sent: Thursday, August 19, 2010 7:32 PM  
To: Olson, Erika  
Subject: RE: Georgia - Participation in the conference (23-24 August)

Unfortunately,

We cancelled our flight to Washington.

Regards,

Akaki Kvantaliani

Georgian Oil and Gas Corporation  
0190, Tbilisi, Georgia  
21 Kakheti Highway  
Tel: (+995 32) 244040 (ext. [redacted])  
Mob.: (+995 99) [redacted]  
Fax: (+995 32) 244041  
www.gogc.ge

From: Olson, Erika [mailto:OlsonE@state.gov]  
Sent: Thursday, August 19, 2010 7:23 PM  
To: [redacted]@gogc.ge  
Cc: [redacted]gov.ge; [redacted]naog.ge; [redacted]@gogc.ge  
Subject: RE: Georgia - Participation in the conference (23-24 August)

Akaki,

Can I clarify, does this mean you will be unable to attend the entire conference, or that you will be unable to meet with Mr. Stein while you are in Washington?

Erika

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

FW Georgia - Participation in the conference (23-24 August).txt

This email is UNCLASSIFIED.

From: Akaki Kvantaliani [mailto: [redacted]@gogc.ge]  
Sent: Thursday, August 19, 2010 6:20 PM  
To: Olson, Erika  
Cc: [redacted]@gov.ge; [redacted]@naog.ge; [redacted]@gogc.ge  
Subject: FW: Georgia - Participation in the conference (23-24 August)

Dear Mrs. Olson,

Unfortunately I must inform you, that Akaki kvantaliani, Zakaria Avaliani and Soso Gudushauri due to very urgent reasons will not be able to attend meeting with you. Mr George Tatishvili will be available and I suppose he will inform us then about the topics of the meeting.

Regards,

Akaki Kvantaliani

Georgian Oil and Gas Corporation  
0190, Tbilisi, Georgia  
21 Kakheti Highway  
Tel: (+995 32) 244040 (ext. [redacted])  
Mob.: (+995 99) [redacted]  
Fax: (+995 32) 244041  
www.gogc.ge

From: Nana Pirtskhelani [mailto: [redacted]@gov.ge]  
Sent: Thursday, August 19, 2010 3:33 AM  
To: 'Akaki Kvantaliani'  
Subject: FW: Georgia - Participation in the conference (23-24 August)

Kako,

Gtxovt cvlilebebis shesaxeb am qalbatons acnobot da aseve saqartvelos saelchos carmomadgenels:

Khatuna Okroshidze  
Second Secretary  
Embassy of Georgia to the USA

2209 Massachusetts Avenue, NW  
Washington D.C. 20008  
Tel: (202) 387 2390 ext. [redacted]  
Fax: (202) 387 0864  
E-mail: [redacted]@gov.ge  
[redacted]@hotmail.com

Nana

From: Olson, Erika [mailto:OlsonE@state.gov]  
Sent: Tuesday, August 17, 2010 10:59 PM  
To: [redacted]@gov.ge  
Subject: RE: Georgia - Participation in the conference (23-24 August)

Nana - once again thank you for your help. I am wondering if you might be able to help me with two additional questions. First, Dan Stein from the office of the Eurasian Energy Envoy's office would like to meet with the delegation. How can I get in touch with them to schedule the meeting?

Page 2



FW Georgia - Participation in the conference (23-24 August).txt

Also, who from the delegation will join the site visit on August 25?

Thanks!  
Erika

From: Nana Pirtskhelani <np@minenergy.gov.ge>  
To: Olson, Erika  
Sent: Tue Aug 17 01:54:08 2010  
Subject: Georgia - Participation in the conference (23-24 August)  
Dear Mrs. Olson,

In response to your e-mail concerning the participation of Georgian representatives in the international "Global Shale Gas Initiative" (GSGI) conference planned to take place 2010, 23-24 August in Washington DC, I would like to send you all requested information.

Participants:

1. Mr. Giorgi Tatishvili - Acting Head National Agency for Oil and Gas, Ministry of Energy of Georgia.

Passport #: [redacted]  
Date of Birth: [redacted]

2. Mr. Zakaria Avaliani - Deputy Head of Construction Supervision Department, Georgian Oil and Gas Corporation.

Passport # [redacted]  
Date of birth: [redacted]

3. Mr. Akaki Kvantaliani - Head Of Engineering Department, Georgian Oil and Gas Corporation

Passport # [redacted]  
Date of birth: [redacted]

4. Mr. Soso Gudushauri - Geologist, Georgian Oil and Gas Corporation

Passport [redacted]  
Date of birth: [redacted]

Thank you in advance for your support and help.

Kind regards,

Nana Pirtskhelani

Deputy Head  
International Relations Department  
Ministry of Energy of Georgia

Tel: (+995 32) 357824  
GSM Mob: (+995) [redacted]  
(+995) [redacted]

<http://www.minenergy.gov.ge>

From: Olson, Erika [mailto:OlsonE@state.gov]  
Sent: Tuesday, August 17, 2010 11:24 AM  
To: Marika Valishvili

FW Georgia - Participation in the conference (23-24 August).txt  
Subject: RE: Invitation for Deputy Minister Valishvili

Thanks! Could you have someone from the Ministry forward the names of all participating (I understand from our Consul that two people from GOGC came in to apply for visas today, but they are not on our list of participants) as well as passport numbers and dates of birth. We need this information for all participants, whether from GOGC or the Ministry. I want to make sure that we have all of the Georgian participants correctly listed in the conference materials, as well as ensure that they have access to the State Department building (this is why I need the dates of birth and passport numbers).

I am sorry to bother you with this detail, but maybe you could point me in the direction of the correct person who could help me get these details for everyone on the Georgian delegation.

Thanks!  
Erika

This email is UNCLASSIFIED.

RELEASED IN PART  
B6

RE Hydrocarbons contact person in the DOE.txt  
From: Figueiredo, Joseph  
Sent: Tuesday, November 30, 2010 9:12 AM  
To: Robl, Terri L  
Subject: RE: Hydrocarbons contact person in the DOE

Terri,

I completely understand, and genuinely appreciate you and your teams efforts on the MOU thus far. My office is really interested in working with SA on shale gas development, something which I am sure is not lost in my numerous e-mails. Special Envoy Goldwyn sees this visit in a couple of weeks as an opportunity to double the effect of a MOU on shale gas cooperation between the US and South Africa. First, the MOU itself is significant based upon the interest and potential benefit from South Africa, and secondly, the profile of the still relatively young GSGI program would be raised by having it offered as a deliverable at this high level strategic dialogue. I think you already understand this, but just wanted to relate the thoughts and impetus on my end.

Thanks, Terri, and I look forward to hearing from you and your team.

Best,

Joe

Joseph Figueiredo  
Special Assistant  
Office of the Coordinator for International Energy Affairs (S/CIEA)  
U.S. Department of State  
FigueiredoJ@state.gov  
(p) 202-736-7872

From: Robl, Terri L  
Sent: Tuesday, November 30, 2010 12:22 AM  
To: Figueiredo, Joseph; Randolph, Charles  
Cc: Walke, Susan F; Sullivan, Michael A  
Subject: RE: Hydrocarbons contact person in the DOE

Hi Joe. Of course Charles will offer the DRAFT MOU and get reactions, and we hope they will be positive and bear fruit quickly, but please understand two things: (1) In general, South Africa does not move quickly on formal documents, so we need to keep expectations realistic; and (2) like everyone else, we are in the middle of wikileaks out here and some of the leaked cables are on energy issues. All of us are finding/reading hundreds of Pretoria cables to see what may be damaging/sensitive. So please bear with us.

Terri Robl  
Minister Counselor for Economic Affairs  
U.S. Embassy Pretoria

This email is UNCLASSIFIED.

Page 1

REVIEW AUTHORITY: Adolph Eisner, Senior Reviewer

RE Hydrocarbons contact person in the DOE.txt

From: Figueiredo, Joseph  
Sent: Tuesday, November 30, 2010 12:02 AM  
To: Randolph, Charles  
Cc: Robl, Terri L; Walke, Susan F; Sullivan, Michael A  
Subject: RE: Hydrocarbons contact person in the DOE

Charles,

At your meeting next Wednesday, will you be planning on presenting the Shale Gas MOU to Mr.

Mkhize? The language in this MOU has been cleared on our side and we have signed almost identical MOU's with China, India, and soon Jordan. Unless the South Africans want to make substantial changes, this can get signed very easily. I know you said that it was unlikely to get done before the meeting on the 14th, but I wanted to stress to you, again, that this MOU is pretty standard and would be most welcomed both by South Africa and the United States.

I look forward to hearing back on how the meeting goes next Wednesday, and, as always, please tell me if there is anything I can do to help on my end.

Thank you!

Joe

Joseph Figueiredo  
Special Assistant  
Office of the Coordinator for International Energy Affairs (S/CIEA)  
U.S. Department of State  
FigueiredoJ@state.gov  
(p) 202-736-7872

From: Randolph, Charles  
Sent: Friday, November 26, 2010 2:52 AM  
To: Muzi Mkhize; Elizabeth Marabwa; Mmarena Mphahlele  
Cc: Figueiredo, Joseph; Robl, Terri L; Landi Themba; Sinovuyo Myendeki  
Subject: RE: Hydrocarbons contact person in the DOE

Dear Mkhize,

Thank you for your email. I look forward to meeting you soon, and will be in contact w/ Mrs. Mphahlele to set up a time.

Kind regards,  
Charles

Charles Randolph  
Minerals/Energy Officer  
U.S. Embassy Pretoria

Email: randolphc@state.gov  
Tel.012-431-4681

This email is UNCLASSIFIED.

From: Muzi Mkhize [mailto: [REDACTED] .gov.za]

Page 2

RE Hydrocarbons contact person in the DOE.txt

Sent: Wednesday, November 24, 2010 7:12 AM  
To: Randolph, Charles; Elizabeth Marabwa; Mmarena Mphahlele  
Cc: Figueiredo, Joseph; Robl, Terri L; Landi Themba; Sinovuyo Myendeki  
Subject: RE: Hydrocarbons contact person in the DOE

Dear Mr. Charles

Thank you very much for the request to meet. It is a message in season, having been received at a very opportune time when we have commenced with a special focus on unconventional gas resources, particularly shale gas.

My Secretary, Mrs. Florence Mphahlele (Tel: +2712 [redacted] E-mail: [redacted] gov.za), will go ahead to arrange for our team to meet you soonest.

B6

Most kind regards,

Muzi W. Mkhize  
Chief Director: Hydrocarbons

Private Bag X19, Arcadia, 0007; Trevenna Campus, 70 Mentjies Street, Cnr Mentjies & Schoeman Str., Sunnyside, 0002  
Tel: +27 [redacted]; Fax: +27 [redacted]; Mobile: +27 [redacted] E-mail: [redacted] gov.za

B6

For what is a man profited, if he shall gain the whole world, and lose his own soul? or what shall a man give in exchange for his soul?

From: Randolph, Charles [mailto:RandolphC@state.gov]  
Sent: Tuesday, November 23, 2010 9:02 AM  
To: Elizabeth Marabwa  
Cc: Muzi Mkhize; Figueiredo, Joseph; Robl, Terri L  
Subject: RE: Hydrocarbons contact person in the DOE

Thank you Ms. Marabwa,

Washington has recently contacted the Embassy to express the desire for increased cooperation in the field of shale gas. The request follows some informal meetings that occurred between U.S. officials and members from South African parastatals - PASA and Igas -- at international shale gas conferences over the past few months.

I've made some initial contact w/ Igas, and would like to do the same with PASA. Naturally, the Dept. of Energy is central to any such cooperation - hence my desire to brief you as soon as possible.

Mr. Mkhize, would it be possible to meet with you at some point in the near future to discuss this?

I am cc'ing Mr. Joseph Figueiredo, who follows this issue closely at the State Dept. in Washington. Am also cc'ing our Economic Minister Counselor Terri Robl.

Kind regards,  
Charles

Charles Randolph

RE Hydrocarbons contact person in the DOE.txt  
Minerals/Energy Officer  
U.S. Embassy Pretoria

Email: randolphc@state.gov  
Tel. 012-431-4681

This email is UNCLASSIFIED.

From: Elizabeth Marabwa [mailto: [REDACTED] .gov.za]  
Sent: Monday, November 22, 2010 4:07 PM  
To: Randolph, Charles  
Cc: Muzi Mkhize  
Subject: Hydrocarbons contact person in the DOE

B6

Dear Charles

Good day. Mr Muzi Mkhize will be the Hydrocarbons person to handle issues on shale gas from the Department. I have copied him on this email to alert him that you will be in contact with him.

Kind regards,

Elizabeth Marabwa  
Acting Chief Director: International Cooperation  
Department of Energy  
Private Bag X 19, Pretoria,  
0007 Travenna Campus,  
Cnr Meintjies and Schoeman Street,  
Sunnyside, Pretoria  
Tel: +27 [REDACTED]  
Fax: +27 [REDACTED]  
Mobile: +27 [REDACTED]  
E-mail: [REDACTED] .gov.za

B6