

COMMITTEE ON NATURAL RESOURCES
114th Congress Disclosure Form
As required by and provided for in House Rule XI, clause 2(g)(5)

“The Impacts of Federal Policies on Energy Production and Economic Growth in the Gulf”

September 15, 2015

For Individuals:

Name:
Address:
Email Address:
Phone Number:

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For Witnesses Representing Organizations:

Name:
Name of Organization(s) You are Representing at the Hearing:
Business Address:
Business Email Address:
Business Phone Number:

Joseph M. Leimkuhler – VP Drilling
LLOG Exploration Company L.L.C.

[REDACTED]
[REDACTED]
[REDACTED]

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For Nongovernment Witnesses ONLY:

1. Please attach/include current curriculum vitae or resume. Attached
2. Please list any federal grants or contracts (including subgrants or subcontracts) related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the source and amount of each grant or contract. - LLOG. has offshore federal leases awarded by BOEM or predecessors and regulated by BSEE, both of whom are bureaus within the Department of Interior.
3. Please list any contracts or payments originating with a foreign government related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the amount and country of origin of each contract or payment.
None

JOE LEIMKUHLER

EDUCATION:

B.A. – Geology (B.S. – Forestry), University of Montana, 1981
M.S. – Petroleum Engineering, University of Wyoming, 1987

PROFESSIONAL EXPERIENCE:

March 2012 to Present: LLOG Exploration L.L.C. Covington. La. Vice President - Drilling

- Lead an organization responsible for well planning, procurement and contract management and execution of all well operations including offshore logistics and regulatory compliance.
- Responsible for performance of all rig and well operations including Health Safety and Environmental performance. Ensure the LLOG Safety and Environmental Management System is properly used to execute safe, and efficient operations.
- Current Scope - 10 new wells per year and 6-10 completions/workovers per year executed from 3-4 GOM Deepwater Semi-submersibles and drill ships. Total Spend of \$900 M to \$1.2 MM per day per rig
- Staff: Direct activities for 55 FTE Management, Technical and Operational and Support Staff.

November 2011 to March 2012: Shell International E&P Offshore Well Delivery Manager – Gulf of Mexico

- Deliver wells on all Deepwater Floating Rig Operations in the Gulf of Mexico, Drillships and Semisubmersibles. Accountable for meeting Business Plan targets in well delivery, exploration objectives and new well production targets.
- Accountable for HSE and Rig Performance in Well Delivery , covering all exploration and development operations in the Gulf Of Mexico.
- Lead an organization responsible for planning, management, rig contracts and execution of drilling operations with full integration of the technical well engineering teams.
- Interface with E&P Asset Managers and VPs on Exploration and Development related well activity. Coach and Mentor Well Delivery Manager covering all Tension Leg Platforms (TLPs), Jack-Ups and Platform Rigs in the Offshore areas of Shell E&P Americas.
- Member of Wells Procurement Council – Americas. Shell Commodity focal point for following areas: Well Evaluation, Directional Drilling, Mud & Cement & Offshore Marine & Air Logistics.
- Current Scope - 20 new wells per year and 25 completions/workovers per year executed from 6-8 GOM Deepwater Semi-submersibles and drill ships. Total Spend of \$700 M to \$1.1 MM per day per rig. \$1,000 MM TG p.a. & 70,000 – 90,000 BOPD Production Additions
- Staff: Direct activities for 120 FTE Management, Technical and Operational Staff.

Offshore Well Delivery Manager – Americas – Shell E&P Americas (August 2003 to November 2011)

- Deliver wells (drilling, completion and well services) on all Tension Leg Platforms (TLPs), Jack-Ups and Platform Rigs in the Offshore areas of Shell E&P Americas.
- Accountable for HSE and Rig Performance in Well Delivery-
- Responsible for planning, management, and execution of drilling, completion and well servicing operations with the full integration of the technical well engineering teams.
- Interface with E&P Asset Managers on Opex related well activity. Accountable for managing costs and new production in line with Business Plan targets,
- Member of Wells Procurement Council – Americas. Shell Commodity focal point for following areas: Well Evaluation, Directional Drilling, Mud & Cement & Offshore Marine & Air Logistics.
- Current Scope - 20 new wells per year and 25 completions/workovers per year executed from 6 GOM Spar/Platform/TLP rigs, 1 HPHT JU rig in GOM, 5 Well Services Teams /Working Units; and 1 drilling rig, 2 liftboats in Venezuela. Coil Tubing and HWO units as required in GOM, Total Budget GOM \$470 MM to \$785 MM TG p.a. & 40,000 - 50,000 BOPD Production Additions Alaska - \$375 MM
- Staff: Direct activities for 91 FTE Technical and Operational Staff.

Subsea Development Manager – Gulf of Mexico – Shell E&P Co (March 2001 to June 2003)

- SEPCo E&D, executed the Crosby and Einset Primary Subsea Field Developments.
- Planned and executed the Mensa 4 Subsea Development, Europa stimulation, and lead the planning effort for the Europa and Crosby Phase II developments including 4D and HF Seismic for Europa.
- Managed the BP operated King Subsea Field.
- Took over Crosby at the start of 2001, all wells were successfully drilled and completed on time with total project Capex dropping \$8MM from 2001 to Final actuals. Production slightly delayed (2 mos.) however was behind 6 mos. upon assuming the role, initial well rates and reliability met expectations. Led partner negotiations resulting in a Production Handling Agreement for Crosby and the ability to expand the Ursa TLP gas compression.
- Mensa 4 - \$88MM project was planned and executed safe, ahead of schedule and under budget (-\$15 MM), well and field production exceeded expectations.
- Europa 2002 Stimulation program was executed safe, and under budget, field production rates increased from 12,000 BOPD to 30,000 BOPD, Phase II program (\$85 MM TG) planning on schedule at hand-over with good partner alignment and buy-in. Europa partner management has received internal and external recognition..

Drilling Superintendent – Shell E&P Co. TLP's – SEPCo – D&C (June 1999 to March 2001)

- Responsibilities/Results: Manage all well engineering, HSE and drilling operations for the Mars and Ursa TLP's.

- Supervised 6 Drilling engineers and 12 drilling & completion foreman responsible for the design, drilling and completion of all wells drilled from the Mars and Ursa TLP's.
- Results: Drilled and completed some of the most challenging wells in Shell to 28,000' MD 22,000 TVD with S" shaped wells to 80 - 0 – 55° hole angles and 15,000' of departure.
- Utilized Technical Limit processes to obtain the maximum profitability per well slot. UDC costs ranged from 0.85 to 1.25 \$/bbl. All wells were high rate high ultimate completions utilizing horizontal wells to world record TVD, high rate water packs and extensive frac-n-pac completions.
- Well operations complicated by depletion zones (5600 PSI), loop currents, and minimal tolerance tieback systems.
- On both TLP's HSE performance was exceptional, URSA TLP earned MMS Safe Award in first year of operation, Ursa D&C operations completed two years with no recordable accidents, Mars one non-lost time accident in two years. Worked closely with the asset operations manager on SIMOPS and common HSE issues.

Drilling Superintendent – Shell E&P CO. Deepwater (September 1997 to June 1999)

- Manage all well engineering, HSE and drilling operations for numerous Semi-submersible based deepwater operations in the Gulf of Mexico.
- Results: Supervised a team of Drilling engineers and drilling foreman on the following rigs: Ocean Saratoga, Sonat George Richardson and the Noble Paul Romano and Noble Jim Thompson.
- Supervised the shipyard conversion of the Paul Romano and Jim Thompson from 80' WD Submersible to 6000' WD semi-submersible drilling units. Wells ranged from subsea developments in 3000' to 4200' WD (Popeye Macaroni & Angus) to exploratory tests in 4000+ WD (Rodan, Oregano, Morgus). Well complexity included, shallow water flows, riserless drilling, loop currents, zero margin drilling operations and directional challenges.
- Management leadership roles: focal point for SAP implementation in Shell DW drilling, developed Staff Development plan for new hire drilling engineering staff, champion of Shells drilling fluids commodity & tubular teams, responsible for managing GOM contracts for mud and tubular goods and establishing a standardized casing program for Shells Deepwater drilling program.

Staff Drilling Engineer Shell E&P Co. (August 1994 to September 1997)

- Lead Project Drilling Engineer - Mars TLP, Engineered the design and drilling of the Mars development, Shell's largest field in the Americas.
- Plan and execute the Predrill well program as well as the initial drilling and completion operations from the Mars TLP.
- Utilized the first TLP drilling operations with a surface BOP system and high pressure drilling riser, developed and implemented SEPCo's first use of synthetic based muds in deepwater, perfected the use of slag based cementing systems, and mudline based tieback systems for production casing. Overall drilling performance was 2.2 days per 1000' for the Mars development predrill program

with the total project under cost by \$25 MM allowing an extra well to be drilled prior to the installation of the TLP. Initial program developed 560 Million bbls at a unit development cost of 0.55 \$/bbl.

Sr Drilling Engineer – Drilling Instructor – Shell E&P - Houston Bellaire Technology Center (June 1992 – August 1994)

Main Job roles were

- Drilling Engineering Instructor - Taught all Phase I classes as well as designing and teaching fit for purpose courses in Drilling Operations from Workover Rigs.
- Slag-Mix Technology Operations Focal Point - served as a troubleshooter for the development and implementation of slag-mix cementing technology and
- Mars Development Drilling Program Support - Shallow water flow risk mitigation, and slag-mix cement utilization. Also served as the Chairman of the Deepstar Industry Panel on Deepwater Drilling.

Project Drilling Engineer – Shell Offshore Inc., New Orleans (June 1987 – June 1992)

- Project Drilling Engineer for platform, semisubmersible and drillship based operations, operations covered shallow (200' WD) semi-submersible exploration wells to world record Drillship exploration wells in 7700' WD
- Responsible for all aspects of well design and support of operations during the drilling operations. Served as the Drilling Fluids expert for various operations as well as on the Shell Quality Assurance Committee for Tubular Goods.

**June 1985 – June 1997: ARCO, California
Operations / Analytical Engineer**

- Responsibilities Operations/Analytical Engineer - ARCO Oil & Gas Co Bakersfield California Worked offshore in the Santa Barbara Channel as a relief Drilling Foreman as well as in the office preparing royalty relief proposals for California State leases.

**June 1981 to June 1985: MI Drilling Fluids & Anschutz Corp
Drilling Fluids (Sales) Engineering & Consultant**

- Highlights : Wyoming Overthrust Belt (5 Yrs.). Worked throughout the Rocky Mountain basin as a consulting mud engineer (Anschutz) as well as for M-I drilling fluids –
- Worked mainly the overthrust belt along the Rocky Mountain Front. Responsible for mud system design, operations (daily monitoring and treatment), and inventory management. From 1983-1985 served as a troubleshooter on deep difficult wells on a self-employed consulting basis.

CONTINUED EDUCATION:

- Shell – Full Drilling Engineering training Program for first 12 years

- Shell – Management Training Program GBLP (Highest Mgmt. Training Program/Track within the Shell Group, via Wharton School of Finance – Univ of Penn. – Sr Management Focus Track for the last 9 Years with Shell

OUTSIDE INTERESTS / ACTIVITIES:

- Society of Petroleum Engineers – Member New Orleans Chapter
Chairman 2010 – 2014 Deepwater Technology Symposium – New Orleans
- AADE (American Association of Drilling Engineers) – New Orleans Chapter – Past Chapter President for two years (2004-2006),
 - Currently serve on the Steering Committee
- AADE – American Association of Drilling Engineers, National Board. (2004 to present)
 - National Vice President, June 2005 to June 2007
 - National President from June 2007 to June 2009.
 - Member – National Board of Directors – June 2009 to President
- Montana Tech – Petroleum Engr. Dept. - Industrial Advisory Board – 2002 to 2008, Responsibilities include curriculum development.
- University of Wyoming – Chairman of the Petroleum & Chemical Engineering Dept. Advisory Board, & Member of the College of Engineering National Advisory Board.

OTHER:

- Have had a 28 year career in Offshore Deepwater Well Operations with LLOG and Shell, primarily centered on the Deepwater Gulf of Mexico. Current role at LLOG is full responsibility and management of all offshore rig engineering and operations. Prior role was as Offshore Well Delivery Manager for Shell International E&P - GOM, covering all Deepwater rig operations. Water Depths range from hundreds to 9,000'.
- Prior assignments with Shell have included a similar position on the Development side of the Wells GOM business managing all of Shell's Platform Development Well operations in the Americas.
- Outside of Well/Rig Operations I have experience in:
 - Asset management scope serving as the Shell Subsea Development Manager for the Gulf of Mexico which involved the subsurface geological and reservoir aspects as well as commercial management of Subsea Oil and Gas developments for Shell and JV operated subsea fields;
 - Drilling Superintendent for Deepwater TLPs, Semi-Submersible and Drill Ship operations; and Project Drilling Engineer for the Mars development.
 - Also served two years as a Technical Training instructor at Shell's Bellaire Research Center in Houston, TX.
 - Prior to Shell worked for M-I in the Wyoming Overthrust belt.
- Grew up outside Philadelphia in South Jersey went West to study Geology and Forestry at the University of Montana. After two years working the Overthrust Belt of the Rocky Mountains as a "Mud Engineer" realized true calling was to "Drill Holes" Earned a MS in Petroleum Engineering from the University of Wyoming. In 1987 left

the "High Rockies" for the "Low Bayou" and have been in New Orleans and Houston for the past 28 years

- Married with two children and six grandchildren.