

# Cliff Richard

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## Objective

Drilling Engineering Team Leader seeking a position within the oil and gas industry

## Career Summary

Experienced Drilling Engineering leader that has engineered a large array of well types which include Extended Reach, Unconventional Horizontal, HTHP, Air Drilling, Multilateral and Subsea. Rig types used have been Land, Barge, Platform, Jack-up and Floating. Job responsibilities have ranged from Drilling Engineering Team Leader to Drilling Foreman. While Drilling Engineering Technical Lead, chartered Drilling, Completion and Intervention Engineering Community of Practice. Have supervised Drilling Engineers and Intervention Engineers. As Engineering Team Lead, the team gained global recognition for performance excellence (Helios Award Finalists). Designed wells for unconventional resource plays in Arkoma, East Texas, and West Texas. These wells have encompassed Shale horizontals, HTHP, underbalanced and air drilling. Designed well-types for conventional plays which encompassed Subsea Installations, Platform slot recovery and Extended Reach Drilling. Performed Drilling Engineering Assessments to gauge engineer's development and readiness for promotion. Conducted new and experienced hire interviews for drilling engineers and well-site leaders.

- \$9,000,000 savings through Continuous Improvement Initiative for Cotton Valley Horizontal Drilling. Gained Global BP recognition for performance excellence.
- While on SEA Project SIMOPS Team, safely accelerated "first oil" by 3 months adding 80,000 barrels of oil per day to Equatorial Guinea production through Subsea HOST infrastructure.

## Critical Skills

Microsoft office software (Word, Excel, Outlook, PowerPoint)

Halliburton Landmark EDT software (WellPlan, StressCheck, Compass, OpenWells, Torque & Drag, Hydraulics)

## Professional Experience

**BP America – L48 Entity, Houston, Texas**

**2014-2016**

***Drilling Engineering Technical Lead – L48***

Drove business value through consistent application of drilling engineering expertise using fit-for-purpose workflows, practices, guides and toolkits. Worked closely with Drilling Engineering staff and Management to support delivery of proper training, mentoring and career development.

- Support Business Units with respect to regulatory compliance and risk management
- Member of multiple acquisition assessment teams
- Chartered L48 Drilling, Intervention and Completion Engineering Community of Practice
- Started L48 Multi-Lateral Well Construction Collaboration meetings and Wiki Page
- Supported NPT after action reviews (casing failures, liner setting issues, hole problems, etc.)
- Gatekeeper for Landmark EDT Migration upgrade, testing, training and rollout
- South Texas EagleFord Horizontal planning for upcoming BP operated drilling campaign
- Evaluate new drilling technology and analytic tools

#### ***Drilling, Integrity and P&A Engineering Team Lead – East Texas***

Accountable for ensuring engineering direct reports provide high quality procedures that were in conformance with L48 standards and compliant to regulations

- Successfully restarted Haynesville Horizontal drilling.
- Rig optimization / efficiency study for Haynesville horizontal Pad drilling (reduced costs by \$3,000,000 per well)
- Wilcox Horizontal / Multi-lateral planning
- Analyzed Annulus pressure anomalies on producing wells and provided mitigation plans

#### ***Integrity and P&A Engineering Team Lead – L48***

Accountable for Integrity Standard and Procedures for L48 well inventory. Ensured well anomalies were properly recorded, investigated and actioned.

- Wellbore Anomaly Diagnosis, Repair and Mitigation
- Support NAGWOP Implementation through updating Normal Operating Procedures and Basis of Designs
- Decommissioning Refresh ending with Ernst and Young acceptance interview

### **BP America , Houston, Texas**

**2005-2014**

#### ***Drilling Engineering Team Lead – East Texas***

Accountable for ensuring engineering direct reports provide high quality procedures that were in conformance with L48 standards and compliant to regulations

- Cotton Valley Horizontals with open-hole port/packer completions
- Haynesville Shale Horizontals (HTHP)
- Performed Drilling Engineering assessments for promotion candidates
- Continuous Improvement Project – Cotton Valley
- Helios Award finalist
- Support close out of OMS, S&OR and rig HAZOP audit action items

- Performed DAP Assessments for Drilling Engineers and Wellsite Leaders of the Future

*Senior Drilling Engineer / Drilling Engineer*

- Lead Drilling Engineer for East Texas Cotton Valley and Haynesville (HTHP)
- Lead Drilling Engineer for Woodford Shale Horizontal Drilling
- Designed Red Oak (sand), Brazil (sand) and Bromide (limestone) Horizontals.
- Designed wells in South Eastern Oklahoma. Vertical / Drift – Air and Directional Air drilling, Deep Gas Directional wells (s-shaped)

Other Projects ,Training, Etc.

- Point Pleasant (Utica) Evaluation Team
- NAG OBO Project to understand Cost, Policy and Practices GAP
- GP 10-60 and GP 10-65 Subject Master Training
- Motor Failure Study (Motor Inspection Process and Drilling Parameter Standardization)
- Red Oak Hz Cost Reduction Study
- Well-site Leader of the Future Interview Team
- New / Experience Hire Interview Team
- Drilling Engineer of the Future Interview and DAP assessor Team
- Arkoma Lost Circulation Study Review
- Lateral Placement and Geo-Steering Workshop
- Continuous Improvement Project Focus for Cotton Valley

**ExxonMobil Development Co. Houston, TX**

**1999-2005**

*Senior Drilling Engineer*

- Design and plan drill wells for Equatorial Guinea. Includes cost estimating, AFE approval reviews, peer reviews, risk assessments, daily operation surveillance and cost tracking. Since 2002 have drilled completed over 35 subsea wells in 400 to 2600 feet of water. Subsea experience includes HOST, vertical subsea tree, horizontal subsea tree and jumper installations.
- Equatorial Guinea drilling experience also includes extended reach drilling from the Jade Platform. Constantly looking at integrated hole quality drilling in small fracture gradient to ECD margin environment coupled with highly reactive shale and drawn-down sands.
- Integral part of Drilling / Production task force which managed conflicts between floating drilling rig and subsea construction vessel. By effectively managing conflicts production was brought on 3 months early for the SEA project.
- Stewarded weekly service meetings to discuss safety, operational and/or personnel issues.
- Gave technical presentation entitled “Subsea Completions Performance – NPT Reduction” at the Deepwater Well Engineering Forum.
- Delegated authority while Engineering Manager was on vacation or out on XOM business on most occasions.

*Senior Project Engineer (US East)*

- Design and plan drill wells for Offshore California and Gulf of Mexico. Includes cost estimating, procedure writing, daily operation surveillance, cost tracking and mentoring.
- Lead Engineer on Extended Reach Drill wells drilled from Heritage and Hondo Platforms in California. Planned deep sidetracks and workover / recompletions on both platforms as well.
- Gulf of Mexico: Worked Mississippi Canyon 311 area which targeted sands near salt dome. Evaluated Jack-up rigs for a HTHP well to be drilled at Viosca Knoll 734. Planned wells out at West Delta 73, South Timbalier 67 and Galveston Block 209. Deepwater Gulf of Mexico Hunt Team for Eptesicus Exploration well drilled by the Jack Ryan

*Senior Project Engineer (US West)*

- Designed and planned drill wells for West Texas and panhandle of Oklahoma. Includes cost estimating, procedure writing, daily operation surveillance, cost tracking and mentoring.
- Lead Engineer on Deep horizontals wells in tight gas field at Block 16 (West Texas). Two hole sections were drilled underbalanced. Performed H2S Gap analysis for field to ensure field contingencies met company safety requirements.
- Lead Engineer on wells in the Postle field in the panhandle of Oklahoma. This field's CO2/water flood caused many drilling challenges resulting from charged up zones and CO2 corrosion.
- Lead Engineer on drill deepers in Salt Creek using a Workover Rig for cost efficiency. Hole sizes from 6-1/8" to 4-1/4"
- Mentoring opportunities with young new hires.

**Mobil E&P Houston & Midland, Texas**

**1996 - 1999**

*Drilling Engineer/Drilling, Completion & Workover Foreman*

- Designed and planned drill wells for South Louisiana, Rocky Mountains, West Texas and Kansas. Includes cost estimating, procedure writing, daily operation surveillance and cost tracking.
- Assisted cementing service provider in developing a database to capture all important information on primary and secondary cement jobs
- Evaluated rental tool suppliers through interviews, yard visits and cost analysis to choose 1st and 2nd call suppliers
- Worked as a drilling / completion / workover foreman in South Texas, South Louisiana, West Texas, Oklahoma Panhandle and Kansas

**Education**

**Bachelor of Science, Petroleum Engineering, University of Oklahoma, Norman, OK**

**May 1996**