

# DONGER VISHNU VARDHAN RAO

Address: Hyderabad  
Country: India

Phone: +91 9440896720  
Email: [dvvr Rao@yahoo.com](mailto:dvvr Rao@yahoo.com)

---

## DRILLING FLUIDS ENGINEER

A driven, flexible, and detail oriented drilling fluids engineer who thrives in challenging environments in different countries and regions including India, the Middle East, and South Asia. Over 20 years in the business has led to an expertise and an accurate comprehension of drilling processes, shale controlling procedures, oil and gas production, directional plans, and mud programs that are clearly conveyed with clients, superintendents, and fellow engineers. Successful in drilling 11 deep gas wells and attended more than the drilling of 100 wells of various types. Adept in coaching and mentoring new staff, analyzing reports, and planning, creating, and implementing programs and processes to improve safety, operational efficiency. Collaborative communicator with strong leadership skills and the ability to make quick and difficult decisions.

---

### AREAS OF EXPERTISE

- Leadership
- Communication
- Project Management
- Drilling Optimization
- Preventative Maintenance
- Managed Pressure Drilling
- Training
- Well Control
- Water Based Mud
- Oil Based Mud
- Low Gravity & High Gravity Mud
- Coaching and Mentoring
- Underbalanced Drilling
- Budgeting
- HTHP Drilling
- Well View Reporting
- Rig Mobilization
- Unconventional Shale

---

### PROFESSIONAL EXPERIENCE

**AUSTRALIAN MUD COMPANY, PORT MORESBY, PAPUA NEW GUINEA** FEB 2014 – Feb 2015  
**DRILLING FLUIDS SUPERVISOR**

- Directed day to day drilling operations in Drilling Fluids & Mud Engineering.
- Supervised drilling operations, as well as crews and support teams.
- Handled 18.2 PPG mud weights with Polymer/ KCl /Glycol mud system for HPHT well.

**MI SWACO, KENYA** MARCH 2013 – January 2014  
**LEAD MUD ENGINEER**

- Handled complete mud engineering with junior engineer and ran MI software.
- Successfully oversaw all safety precautions with silicate mud.

**BAKER HUGHES, VIJAYAWADA, INDIA** FEB 2013 – March 2013

- Worked for one hitch with Baker Hughes (through Vivid Resourcing-UK) for Cairn Energy to start up for a re-entry well.
- Prepared 2000 bbl. of SOB M (Synthetic Oil based mud) for a re-entry well (High Temp).
- Used Saraline 185 (Base oil), Carbomul HT (Primary emulsifier), Ominivert (secondary emulsifier), Eccoblok (Fluid loss controlling agent), Carbogel (viscosifier), Lime (alkalinity), Dolomite 20 & 30 (Cal Carbonate-bridging agent), Barite as weight material and built 10.4 PPG mud. Mud Parameters like OWR, ES, HPHT, PV/YP, 6rpm were kept at specifications.

**AUSTRALIAN MUD COMPANY, PORT MORESBY, PAPUA NEW GUINEA** FEB 2012 – Nov 2013

**DRILLING FLUIDS SUPERVISOR**

- Handled KCl/Polymer mud for exploratory wells.
- Worked through difficult shale portions by keeping very tight fluids loss & mud weight.
- Trained Junior Engineers / Local Graduates

**HALLIBURTON, IRAQ**

NOVEMBER 2011 – January 2012

**LEAD MUD ENGINEER:**

- Managed drilling fluid for two hitches and used KCl/Polymer mud.
- Handled complete mud engineering.

**GAS AUTHORITY OF INDIA LTD., RAJASTAN, INDIA**

MAY 2011 – October 2011

**MUD SUPERVISOR**

- Monitored Drilling Fluids management for 24 hours for onshore wells.
- Supervised lead and second Mud Engineers from Q'max solutions, a Canadian Drilling Fluids Company.
- Controlled Salt Saturated Mud and KCl/Polymer mud.
- Maintained quality management from the operator side.

**GUJARAT PETROLEUM –GUJARAT, INDIA**

MARCH 2011 – April 2011

**SENIOR MUD ENGINEER**

- Drilled one well in Gujarat offshore for GSPC (through ASAP Fluids, Mumbai)
- Used KCl/Polymer mud.
- Successfully cased and tested the well.

**AUSTRALIAN MUD COMPANY – PORT MORESBY, PAPUA NEW GUINEA**

DECEMBER 2007 – January 2011

**SENIOR MUD ENGINEER**

- Supervised fluids management in exploratory wells.
- Handled KCl/Polymer mud and mud weight ranges from 9 to 12 PPG.
- Drilled deviated wells with non-damaging mud (CaCO<sub>3</sub> weight material).
- Attended DSTs and analyzed water samples.
- Carried out cementation jobs for all casings, which involved cement slurry calculations, slurry weights, and displacement process.
- Measured completion fluids and flow of oil and gas.

**HALLIBURTON - OMAN, CENTRAL OMAN**

OCTOBER 2006 – May 2007

**CONSULTANT DRILLING FLUIDS ENGINEER**

- Handled KCl/Polymer mud and well acquainted with WS2000 Baroid Software.
- Worked with cement slurries and displacement liquids.
- Completed wells mostly by using NaCl brines.
- Oversaw fast drilling wells with three casing policy.
- Drilled 3 wells in 35 days hitches on an average.

**RELIANCE INDUSTRIES – INDIA, CITY, KAKINADA**

MAY 2006 – June 2006

**DRILLING FLUIDS SUPERVISOR**

- Drilled exploratory wells in Kakinada Offshore-Bay of Bengal (India)
- Supervised MI mud engineering services in maintaining mud parameters and chemical management
- Attended two wells in deep-water (water depth 1943 m) by Transocean rig (Deep-water Frontier) and used Synthetic Oil Based Mud (SOBM) system for these HPHT wells.

**RHEOCHEM - AUSTRALIA, AUSTRALIA**

MAY, 2006

**MUD ENGINEER**

- Hired for 21 days at Cooper Basin in Australia (For Santos) to handle KCl/Polymer and gel mud (PHPA).

**MB PETROLEUM SERVICES, MUSCAT, OMAN**

AUGUST 2001 – APRIL 2006

**SENIOR MUD ENGINEER**

- Completed drilling fluids management on 24 hours basis
- Operated as middle manager between the Client-PDO (Petroleum Development Oman) and the Drilling Contractor.

- Drilled deep gas wells with low mud weight (1.25 SG) and high mud weight (with Salt saturated high-density (2.2 SG) Polymer muds in North and South Oman with high H<sub>2</sub>S presence wells.
- Successfully drilled 10 Saih Nihyada deep gas wells and in two years' time (Client programmed four wells in a year but drilled five per year).
- Drilled LNG gas wells with Bentonite (PHB) and well site water for top hole (partially flocculated), XCD Polymer mud for 12 ¼" and 8 3/8" sections.
- Drilled one well with Under Balanced Mud (UBM) to reduce losses and to see the improvement in ROP (rate of penetration).
- Attended cementation jobs of 13 3/8", 9 5/8" and 5 ½" (cemented completion) casings. Prepared lead, tail mix waters and dual spacer. Supervised cement jobs for several wells and cross checked slurry calculations with respect to annular volume and excess slurry was recommended depending upon down hole losses.
- Handled completion brines with Calcium Chloride and Sodium Chloride and completed wells with Filtered Brines.
- Maintained quality in safety, working, professional attitude, and accountability, while working with a diverse workforce.

---

### **EDUCATION, CERTIFICATES, AND TRAINING**

**Master of Science**, Chemistry, University of Hyderabad  
**Master of Philosophy**, Chemistry, University of Hyderabad

#### **Certificates and Training**

Multi-Disciplinary Induction Training in ONGC Ltd in India (Dehradun)  
ATF (Aviation Turbine Fuel) Training in Mumbai (India)  
H<sub>2</sub>S Monitoring and combating –Safety Training in Muscat and in India  
Drilling Fluids and Safety Aspects in India and Abroad  
Santos Online Safety Course  
Offshore Survival and Medical Certificates

#### **Personal Details**

Age: 58 years / Married / Indian Passport