

Rohit Deshmukh

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Petroleum Engineer

Industry Experience: 18 years

SUMMARY

An experienced Petroleum Engineer with varied knowledge from Subsurface, Production and Operations. Worked with a variety of operators and NOC's globally.

Versatile global experience with regions encompassing North Sea, Middle East, India and SE East Asia.

Specialist expertise with well modelling, artificial lift systems, field surveillance, and full field system optimisation.

Developed FDP's for unconventional activities involving Deepwater, Heavy oil and HPHT.

Managed projects in conceptual design and feasibility studies with the likes of preparing Basis of design (BoD's), Artificial lift screening, and a wide range of well modelling studies.

Hands on working experience with standard industry software's applications related to Production Technology.

EDUCATION & PROFESSIONAL QUALIFICATIONS		
Year	Place	Qualification
2005	Heriot-Watt University (UK)	MSc Petroleum Engineering
2001	University of Pune, India Maharashtra Institute of Technology	B.E. Petroleum Engineering

GEOGRAPHICAL AREAS WORKED

India, Middle-East, North Sea and Malaysia

ADNOC Onshore (ADCO)
Senior Petroleum Engineer (Abu Dhabi, UAE)
BAB Gas Development

January 2019-Current

Key Projects:

- Key Member of ADNOC Onshore Emergency incident support group.
- Supporting Underbalanced Coiled Tubing drilling strategy for Gas Development.
- Supporting Coil Tubing accessibility project using slotted liners for barefoot completions in gas wells.
- Supporting Hydraulic Fracturing development strategy for tight gas reservoirs.
- Supporting P&A workovers for Gas Development.

Petronas (Malaysian Petroleum Management) November 2017 – January 2019
Manager – Production Technology (Kualalumpur, Malaysia)
Sarawak Cluster 3

- Asset manager role for the Sarawak Cluster 3 assets in the regulatory body of Petronas
- Managed JV (Shell & Sapura Energy) for Jerun, Gorek, Larak and Bakong greenfield.
- Developed and led the Production Enhancement Go Digital Project.
- Supported regional strategy for Subsea interventions.
- Close coordination with different disciplines to ensure JV's meet technical and commercial approvals from exploration to abandonment.
- PT support on other assets as required.
- Developing guidelines for PT related activities for Malaysian region.
- Developing technical and commercially viable strategies for new technologies and vessel intervention in the Malaysian region.

ADNOC Onshore (ADCO)
Senior Petroleum Engineer (Abu Dhabi, UAE)
BAB Gas Development

September 2015 – October 2017

Key Projects:

Focal point for New technologies

Identification of existing and proven new technologies for resolving complex issues for reservoir and wells. Coordination with the service companies and ADCO Technical Centre for technology assessment and recommendations. Key Technologies worked upon:

- Compaction Monitoring (Monitoring subsidence in stacked reservoirs)
- Lateral locators for multi-laterals (Developing well intervention opportunities for multi-lateral wells)

Focal point for Stimulation techniques and Applications:

Representing BaB gas for candidate identification and implementation.

- Assessed feasibility for carrying out acid stimulation in a multilateral long horizontal well. Feasibility study involved collaboration with different service providers, understanding technologies and execution readiness.

ConocoPhillips (Aberdeen, UK)
Senior Production Engineer
Central North Sea – J Block (HPHT Gas Condensate)

April 2014 – February 2015

Key Projects:

New Technology implementation lead for

- Gas well deliquification
Project managing a cross functional project team with the opportunity to develop a set of distinct and viable alternatives for the implementation of the inverted gas lift system.
- Stimulation screening studies
Project managing a cross functional project team with the opportunity to develop frac candidates suitable for hydraulic fracking.
- Sanding studies
Provide support on well optimisation using effective sand management. Initiate studies with expert groups for estimating drawdown limitations.
- Planning new wells through production

Reviewing/Developing current well start up procedures for subsea wells.

Support J Block asset (Jade, Judy and Jasmine) ongoing operations on a daily basis for production optimisation, well testing, PVT campaigns and firefighting.

Support on new well delivery for hook up and readiness for well start up.

Statoil (Aberdeen, UK)
Consultant Production Engineer
Mariner East

August 2013 – April 2014

Leading the Production Technology area for the Mariner East pre-development (Greenfield, Subsea Heavy oil project) ensuring qualification for sanction through management gates and readiness for execution.

Key Projects:

- Artificial lift screening/recommendation.
- ICD design workflow
- ESP design
- Completion Design review

BP Plc (Aberdeen, UK)
Petroleum Engineer (Foinaven Asset)
Deepwater Base Management Team

April 2012 – August 2013

Key projects:

- Identified, Planned and Executed well-work candidates for the 2013 LWI campaign worth ~£20 Million helping recovery of at least 5 mmboe until CoP developing a portfolio of surveillance, water shut-offs and stimulation activities.
- Focal point for planning future EOR jobs on Foinaven. SPA for UK North Sea subsea well work.

Oversee the wellwork strategy for the Foinaven field and optimise the reserves recovery and annual production. Key responsibilities as follows:

Support Foinaven ongoing operations on a daily basis for production optimisation, well testing, PVT campaigns and firefighting.

SENERGY LTD (Aberdeen, UK)
Senior Production Technologist/Petroleum Engineer

JUN 2007 –March 2012

Delivering Production Technology solutions for global clients/operators in terms of short/long studies.

Studies covered a wider breadth and depth of Production/Petroleum Engineering with the full field and well cycle design integrated with multi discipline approach.

Lead Engineer for the following projects/studies

Field	Client	Location	Description	Software Usage
Buzzard	Nexen	UK North Sea	Production Engineering Support, Data Review, Field Optimisation, Artificial Lift screening	Gap, Prosper
Catcher	Encore	UK North Sea	Artificial lift screening, flow modelling.	Prosper
Orlando	MPX	UK North Sea	Production Engineering Support. Conceptual completion BOD and FDP support.	N/A
Jordbaer	Statoil	Norway North Sea	High Level review on sand control selection	N/A
Bahrain	Tatweer	Bahrain	Construction of an Integrated Asset Model (700+ wells) for future optimisation.	Petex Suite (Prosper ,Gap)
Kraken	Nautical	UK North Sea	Artificial Lift assessment for heavy oil. Production Technology support for FDP	Prosper (Petex)
	Far East Client	Indonesia	Gas Lift and full field optimisation.	Prosper,Gap (Petex)
Magnus	BP	UK North Sea	PLT quality review and basic interpretation	Emeraude (Kappa)
Ukranian field	JKX	Ukraine	Tubing Stress Analysis for fracturing well candidates	WellCat (Landmark)
North Cormorant	Taqqa	UK North Sea	Tubing Stress Analysis for cutting re-injection well candidates	WellCat (Landmark)
Pelican	Taqqa	UK North Sea	Well Review relating to inflow modelling and formation damage.	Prosper (Petex)
Fateh	Dubai Petroleum	Dubai	CO2 containment (Well Integrity and crossflow PLT assessment)	N/A
	N.Sea Client	UK North Sea	Computational Fluid dynamics modelling on requirement for inflow control devices as part of sand control completion.	Ansys Suite
Durango	ADIL	UK North Sea	Condensate Gas Well load up study + production allocation review	Prosper (Petex)
J Block	BG	UK North Sea	Construction of an Integrated Asset Model for the J Block	Prosper, MBal and Gap (Petex Suite)
	Far East Client	Malaysia	Water Hammer analysis in the wellbore.	Olga (SPT Group)

Don fields	Petrofac	UK North Sea	Flow Assurance	Gap (Petex)
Severo Varoyoganskoye	TNK BP	Russia	Decline Curve Analysis.	Oilfield Manager (Slb)
	Woodside	Australia	PVT characterisation for CO2 injection modelling.	PVTP, Prosper
Balal	Iranian Oil Company	Iran	Multilayered inflow modelling + Water Shut Off assessment	Prosper(Petex)

PETROFAC/Dubai Petroleum Establishment (ABERDEEN, DUBAI)

Production Engineer (Wells)

Nov 05 – May 07

Job Description:

- Providing Production Technology support for mature field production.
- Liaising with both subsurface and offshore production teams as a part of multi disciplinary effort to maintain and maximize production.
- Monitoring individual well performance (well by well review) to identify production problems and locked in production potential.

INGEN-IDEAS (ABERDEEN)

Graduate Engineer, (Internship\Summer Project)

Jun 05 – Aug 05

Job Description:

- Formation Damage Evaluation of High Permeability Heavy Oil Reservoir.

ABAN OFFSHORE PVT. LTD.(Bay of Bengal, India)

Production Supervisor

Jun 03 – Jun 04

Location: Offshore FPU (TAHARA), Bay of Bengal (PY3 fields)

Field operators: Hardy Exploration & Production India Ltd.

Job Description:

- Monitoring & Trouble-shooting day-to-day operations for EPF & WI Facilities.
- Conducting Well Tests on daily basis.
- Quality control inspection for WI & offtake operations.

OFS INDUSTRIES PVT. LTD. (MUMBAI)

Shift Engineer

Oct 01 - May 03

Location: Onshore GPC, Tanot fields, Western Rajasthan project

Field operators: OIL INDIA Ltd.

Job Description:

- Managing & Trouble-shooting Gas Dehydration Plant on daily basis.
- Ensuring consistent supply of dehydrated gas to the Gas Power Plant.
- Managing well operations & maintenance on monthly basis.

KIRLOSKAR CONSULTANTS PVT. LTD.

Market Research Associate

Jul 01 – Sep 01

Job Description

- Estimating market demand for Gas usage as a fuel in Western India.

EXTRA CURRICULUR:

Hobbies: Numismatics, Philately, Travelling, Music

Sports: Badminton, Swimming, Cricket.