

# Ashish Mendjoge

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Energy Professional with 16 years of upstream Oil & Gas experience across US, UK, Canada, N Africa & Kuwait contributing to complex, cross border projects and engagements. Expertise includes unconventional development, production engineering, economic evaluation and corporate planning. Project management experience in leading & coordinating multi-disciplinary teams in dynamic and fast-paced environment.

## EDUCATION:

Master of Business Administration – Warwick Business School, UK	(Dec' 2020)
Master of Science - Petroleum Engineering - Texas A&M University, USA	(Dec' 2003)
Bachelor of Engineering - Petroleum – Pune University, INDIA	(July' 2000)

## PUBLICATIONS:

- “Multidisciplinary Data Gathering to Characterize Hydraulic Fracture Performance and Evaluate Well Spacing in the Bakken.” (SPE-194321).
- “Integrated Reserves Management Using Portfolio Approach a Case Study” Society of Petroleum Engineering (SPE-194669).
- “Corporate Portfolio Management System Implementation in KOC” - Kuwaitiya magazine.
- “Quantification of Oil Price Uncertainty in Economic Evaluation Using Sequential Gaussian Simulation” Petroleum Science and Technology Journal Volume 24, Number 8, August 2006.
- Estimating the Effect of Future Oil Prices on Petroleum Engineering Project Investment Yardsticks. Master of Science. Texas A&M University. (2003)

## PROFESSIONAL EXPERIENCE:

### Senior Project Engineer – Kuwait Oil Corporation (Kuwait)

*July'17- Current*

As member of Reserves Management & Strategic Planning team -

- Transformed annual budget plan process raising capital projects totalling \$16 Billion per year by integrating strategic targets, project stage gate with hydro-carbon resource maturation and developing project ranking framework for optimizing value, risk & improving prioritization.
- Implemented corporate due-diligence framework for the tactical business plan review, to improve project delivery against recognizing surface risk and subsurface uncertainties.
- Designed business critical reserves and budget plan alignment process, reducing turnaround time over 60%. Developed project concept, technical workflow, collaborated with IT vendor for UI & UAT.
- Benchmarked KOC's reserve estimation, resource maturation and value assurance processes with IOC partners Shell & BP. Presented gap-analysis report on reserve booking & audit process.
- Conducted strategy implementation roadmap, asset plan review, project stage gate assurance to understand risks and project delivery issues and report to management for corrective actions.
- Analysed KOC's historical capital & operating cost database for generating cost trends and model drilling, surface project & elemental operating cost. Designed predictive analytical tools, dashboards for incremental, activity-based cost modelling (ABCM) approach to estimate and forecast project CAPEX-OPEX. Published corporate guidelines to estimate reservoir & project specific OPEX, DRILLEX, FEASEX and facilitate investment decision-making process.
- Published guidelines, templates, concept & interdependency of Life of Field plans (Long range), field development (mid-term) plans and annual budget plans tied to hydrocarbon reserves maturation.

- Mentored junior engineers on field development planning, production forecasting and econ evaluation.

### **Senior Reservoir Engineer – Hess Corporation (Houston, USA)**

*Oct'13- Jan'17*

Managed North Dakota Unconventional Project producing 150,000 BOPD.

- Responsible for delivering wells and production target against annual budget of \$300 Million. Developed optimization model for well target ranking, compliant with sub-surface, land, operations & midstream infrastructure capacity for drilling plan development reducing the simultaneous operation delay by 30%.
- Lead, executed & managed \$5Million data collection project to define the depleted region in around parent well, to optimize well spacing, completion decisions. (SPE-194321)
- Built reservoir simulation model incorporating completion, micro-seismic and production data. Implemented learnings for longer term forecasting and asset development strategy. Presented techno-economical results generating drilling opportunities worth \$100 Million.
- Performed investment analyses for lease acquisition & divestitures opportunities by conducting technical, economic and financial modeling .
- Developed surveillance & post investment lookback plans for asset management. Built production-completion-economics based dashboards in SPOTFIRE™.
- Generated monthly market intelligence reports by analysing regional competitor production and completion details to build a deeper understanding of subsurface opportunities. Conceptualized pilot opportunity list based on developed insights.
- Coordinated with operation, well delivery and completions team to reduce flow back time by 40% to improve the well initial pressure and production performance targets by implementing LEAN.
- Provided expert testimony at regulatory hearings conducted by North Dakota Industrial commission.
- Mentored early career engineers on Rate transient analysis, well interference, completion and production analytical dashboard development for unconventional reservoir.

### **Senior Reservoir Engineer - Hess Corporation (London, UK)**

*July'11-Sep'13*

- Supervised production reporting team responsible for reporting of oil production of 100,000 bbl, identified and implemented enhancements to internal systems to improve quality & reliability by 50%.
- Presented technical reserves & economic evaluations, in annual budget plan and reserves review for joint venture assets in Russia, Algeria & Libya to senior management & auditors.
- Conducted study on reservoir connectivity analysis of Schiehallion asset in North Sea by integrating pressure transient tests, 4D seismic data and tracer data; presented findings to improve reservoir characterization & water-flood effectiveness in JV meeting.
- Generated production optimization opportunity with oil gain of 3000 BOPD by developing capacity model for high water cut wells in El-Agreb field in Algeria.
- Provided operational input for RFT, logging during appraisal drilling campaign for onshore Algeria.
- Supported Algeria JV business development with economic analysis for contract negotiations of “Algeria Production Sharing Contract”.

### **Reservoir Engineer - Hess Corporation (Houston, TX)**

*August'08-June'11*

Member of SSAU Permian Enhanced Oil Recovery subsurface team producing 60,000 BOPD.

- Enhanced economic model to capture the interaction of midstream gas processing plant royalty, subsurface asset and CO2 sequestration tax credits.

- Compared pattern flood options as part of opportunity framing for subsurface, production & cost optimization of challenging SSAU-ROZ horizon.
- Conducted area look back analysis for specialized production practises such as CO2 flooding & WAG for operation effectiveness and cost optimization.

**Product Analyst –Schlumberger Technology (Houston & Calgary)**

*Nov 04- Apr'08*

- As member of Merak development team, developed business requirements specifications, use case diagrams and detailed Process Flows to lead development of new features in upstream economics & financial program.
- Researched fiscal and regulatory terms updates for oil, gas & NGL products. Built economic models & maintained fiscal model library for Royalty -Tax, Production Sharing Contract, concessions.
- Conducted corporate trainings for Chevron, BP & Hess Corp. on economic value of oil and gas ventures under risk and uncertainty in PEEP.
- Published topical insight pieces relating to upstream economics & risk analysis.

**Petroleum Engineer (Contractor)- BP, Houston**

*Aug 04- Nov'04*

Developed steady state integrated asset models for de-bottlenecking of Hugoton asset.

**Petroleum Engineer (Contractor)– Anadarko Corporation, Houston**

*April 04- July 04*

Developed well & network model to optimize flow rates in GAP & PROSPER for Jubilee field.

**ACHIEVEMENTS:**

- Recipient of Academic Scholarship from Warwick Business school.
- Recipient of the Texaco Fellowship, Department of Petroleum Engineering, Texas A&M University.
- First rank holder (in section) 2004 Texas A&M –SPE paper presentation competition
- First rank holder for second year Engineering in Pune University.
- Lead a 700 members non-profit community organization in Houston, TX (Houston Maharashtra Mandal- [www.hmmhouston.org](http://www.hmmhouston.org)) as a President in year 2008.