

HASHIM ABBASI

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Reservoir Engineer with over 18 years of diverse experience working with international E&P's and Consultancies

KEY SKILLS

• Mature Asset Re-development	• Nodal Analysis
• Field Performance Monitoring & Analysis	• Reserves Evaluation
• Integrated Asset Modeling (IAM)	• Production Forecasting
• Gas Deliverability Management	• Exploration Prospect Evaluation
• Pressure Transient Analysis	• Economic Analysis

- Worked closely with G&G and Production teams having considerable interaction with parent company and JV partners
- Exposure to work with multi-cultural teams and the projects from various geographical areas; i.e., Europe, UK, North Sea, Middle East, Africa (North, West, East), Russia, Asia
- Mentor juniors to build their knowledge and skills
- Managed short-term consultancy projects and worked as secondee at various Operators
- Interact with Clients for project proposals and way forward
- Quality report writing and presentation skills, Excellent communication skills

WORK HISTORY SUMMARY (Details in Appendix)

Jul 2016 to present	Freelance Reservoir Engineer	Creative Res-Eng. Ltd
Jun 2013 to Feb 2016	Senior Reservoir Engineer	RPS Energy, London, UK
July 2006 to Jun 2013	Senior Reservoir Engineer	Senergy, Aberdeen, UK
Dec 2004 to Jun 2006	Reservoir Engineer	BP Pakistan
Sep 1999 to Dec 2004	Petroleum Engineer	PremierOil/Premier-KUFPEC

KEY ACHIEVEMENTS

- *BP* : Recognition Award for doubling the production rate and reserves from an old gas well
- *TAQA* : Changed the operating philosophy of a mature North Sea oil well from being a cyclic to a continuous producer – Rate and reserves addition
- *Premier Oil* : Constructed an IAM for a multi-TCF newly-developed gas field. Identified numerous system bottlenecks, recommended practical solutions, generated various workover opportunities. This also established the basis for future field development strategy to optimize ultimate recovery
 - Expedited the infill drilling campaign and compression planning
- Academic and Scholastic Achievement award from *Society of Petroleum Engineers*

PERSONAL

Born: January 6, 1973; Nationality: British

EDUCATION

B.E. (Petroleum), Mehran University, Pakistan, 1998, ***First Class First Position***

KEY PROJECTS ACCOMPLISHED IN UK

Project	Description	Tools
TAQA Britani: North Cormorant Asset RE (over 2 years secondment)	Investigated 5 in-fill well options in short term. Conducted the LTRO study and identified further in-fill and intervention opportunities. Improved the water injection effectiveness. Conducted the subsurface analysis for artificial lift	Classical RE: Fractional Flow, MBAL, PROSPER, GAP, OFM, PI
PanAfrican Energy Tanzania: Songo Songo Gas Asset Reservoir management	Identified anomalies in the wells' performance, proposed alternate operating philosophy, recommended effective surveillance plan. Run material balance, improved the Simulation model history match. Constructed an IAM to allow quick sensitivities for field optimization concepts	Saphir, CMG-IMEX, MBAL, PROSPER, GAP
Salvic Nigeria: OML 30, Development Strategy	Developed a high level reservoir management strategy for 8 mature oil and gas fields. Provided steer to enhance the production and recovery	Classical RE: DCA
TNK-BP: West Siberia Vanyogan Field Re-development	Investigated production benefit from longer horizontal and multi-lateral wells in a thin oil rim. Evaluated and ranked the Horizontal drilling targets	ECLIPSE, MBAL, PROSPER
BP: RE SGA and Schiehallion (1 year secondment)	Manage IAM's and run for various scenarios. Actively participate in TCMs. Run development sensitivities in the simulation model to quantify material impact on medium term production goals and ultimate recovery	VIP, PROSPER, MBAL, GAP
Petrofac: West Don Well Test Analysis	Run PTA of 4 DST's on 2 expl/appr wells. Determined the reservoir properties and reconciled with the core data. Identified uncertainties in the data quality and Made recommendations for future well tests	SAPHIR, PROSPER
Ithaca Energy: Athena Well Test Analysis	Conducted pressure transient analysis of the exploration well. Generated multiple concepts to define reservoir characteristics, improved the understanding of reservoir heterogeneity and reflected them in the geostatistical model	SAPHIR, PROSPER
Serica Energy : Columbus Well Test Design	Examined multiple well testing strategies for a range of possibilities to allow effective test design	ECLIPSE, SAPHIR
RWE/DEA : Assets reserves review	Independent reserves review of DEA's Egypt assets. Estimate reserves and resources using accepted industry standards and classified by PRMS guidelines	MBAL, PROSPER, GAP, Flowing Mat. Bal. DCA

COMPUTING

MS Office, MBAL, PROSPER, GAP, PIPER, Saphir, PIE, Pansystem, PEEP, OFM, ECLIPSE, VIP, CMG-IMEX, Tempest-PVTx, Petrel RE

APPENDIX

WORK HISTORY DETAILS

July 2016 to present, Freelance Consultant Reservoir Engineer – Creative Res-Eng Consultants Ltd, UK

Working as an associate with Consultancies in London on ad hoc basis

Jun 2013 to Feb 2016, Senior Reservoir Engineer – RPS Energy, London, UK

Worked as an independent team-player on several asset evaluations, reserves estimation/audits and Reservoir Engineering studies

July 2006 to Jun 2013, Senior Reservoir Engineer - Senergy, Aberdeen, UK

Worked as an independent team-player on several Reservoir Engineering studies, Seconded to Operators TAQA, BP, ENQUEST to work on mature UK North Sea assets

Dec 2004 to June 2006, Reservoir Engineer - BP Pakistan

Key achievements and responsibilities;

- **Recommended 2 infill wells with positive results.**
- **Proposed re-perforation in an old gas well doubling the rate and remaining recovery.**
- Support reservoir depletion plans and overall recovery enhancement strategy.
- Identified various wells requiring compression, and proposed a number of production optimization opportunities
- Responsible for Gas Deliverability Management for all BP Pakistan assets
- Perform engineering analysis, run economics and AFE preparation of development activities.
- Present to BP management and the JV partners for approval.
- Help juniors to build their knowledge and skills

Sep 1999 to Dec 2004, Petroleum Engineer - Premier Oil Pakistan

Key achievements and responsibilities;

- Built a full field IAM for a multi-TCF newly-developed gas field. Identified numerous system bottlenecks and recommended practical solutions, generated various re-completion workover opportunities. **This established the basis for future field development strategy to optimize ultimate recovery** - Expedited the infill drilling campaign and compression planning
- Look after petroleum/production engineering related matters of 4 large developed gas fields of varying degree of maturity
- Monitor production, Identify problem areas and determine cost-effective solutions
- Construct IAMs, understand field performance, run the models for various operating conditions and determine the best production strategy
- Persuade Operators to assure effective asset management, reservoir surveillance, production and recovery enhancement
- Focal point for production forecasts and reserves estimation
- Run Economics to update the value of existing assets and evaluate future projects
- Run high level engineering and economics analysis of exploration prospects; determine well deliverability, well count, surface facilities, estimates costs, run economics and rank them with respect to NPV, IRR, Maximum exposure, Payback time

- Make presentations internally and to the JV partners
- Help juniors to build their knowledge and skills

VARIOUS OTHER PROJECTS ACCOMPLISHED IN UK

Project	Description	Tools
EnQuest : Thistle Studies RE (6 months secondment)	Studied reservoir and wells performance, Recommended several surveillance and production/injection optimization options. Developed the Injection-Production Matrix. Developed a Short Term Production Forecasting tool.	PROSPER, PI, OFM, DCA
BP : Harding Gas Blow Down study	Constructed an IAM to evaluate gas blow down strategy – e.g., optimum plateau, well-count	MBAL, PROSPER, GAP
BP : Forties Fuel Gas supply	Constructed an IAM to evaluate fuel gas supply to the Forties platform from shallow gas accumulations	MBAL, PROSPER, GAP
RWE/DEA : Due Diligence	Independent reserves review of DEA's Germany and Egypt assets. Evaluate asset value; thorough review of field performance, generate a range of reserves and resources along with highlighting the uncertainties to help potential buyer in decision-making and win them loan from financial institutions	Simulation, MBAL, PROSPER, GAP, Flowing Material Balance, DCA
Iona Energy : West Wick Development	Sensitivity study to evaluate the well placement. Ranked the placement options and proposed the optimum well locations.	ECLIPSE
Serica Energy : Columbus Field Development Concept	Worked with limited data, constructed dynamic simulation model, determined the optimum well positioning, well length, well geometry, well-count, and tubing size	ECLIPSE, PROSPER
OMV : Offshore Abu Dhabi Field Development Concept	Worked with limited data to formulate a high level appraisal/development concept for various discoveries offshore Abu Dhabi	Saphir, PROSPER
BP : Sean Reserves Est. &, Deliverability Assurance	Conducted Material Balance study to determine In-place volumes, Aquifer size and strength. Constructed IAM to analyze life of field deliverability	MBAL, PROSPER, GAP
BP : Harding Gas Blow Down study	Constructed an IAM to evaluate gas blow down strategy – e.g., optimum plateau, well-count	MBAL, PROSPER, GAP
BP : Forties Fuel Gas supply	Constructed an IAM to evaluate fuel gas supply to the Forties platform from shallow gas accumulations	MBAL, PROSPER, GAP
Melrose : West Khilala Reserves Review	Reserves review of Egypt's West Khilala gas asset - QC technical work, ensure reserves and resources are estimated using accepted industry standards and classified by PRMS guidelines	Decline Curve Analysis
DANA : North Sea Assets reserves review	Year-end Reserves evaluation of Dana's North sea mature assets - QC technical work, ensure reserves and resources are estimated using accepted industry	Decline Curve Analysis

	standards and classified by PRMS guidelines	
Fairfield: North Sea Assets reserves review	Year-end Reserves evaluation of Fairfield's North sea assets with varying degree of maturity - QC technical work, ensure reserves and resources are estimated using accepted industry standards and classified by PRMS guidelines	Decline Curve Analysis, ECLIPSE

MISCELLANEOUS

- Effective team player with focus on delivery, quality, decision making
- Apt to influence people of a different opinion & cultural background
- Analytical, Thorough, Practical, Steady, Committed, Logical Thinker
- Secured First Position from 2nd through 4th year in Bachelors in Petroleum Engineering
- Academic excellence Award from *Mehran University Alumnae Association*

TECHNICAL COURSES

Gas Production Engineering, Petroleum Economics Evaluation, Petroleum Experts' Integrated Asset Modeling, Decision making, Time management , Well Test Design & Analysis, Completions & Workovers, Gas Reservoir Management, Emotional Intelligence, Influencing Skills, Hands on Reservoir Simulation, SCAL, EoS and Composition Modeling, Advanced Reservoir Simulation, Reducing Uncertainty, Petrel RE, Reservoir Characterization, Innovation & Creativity, Project Management