Mahmoud Abd El-Basset Mahmoud

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Summary

Petroleum engineer with more than 17 years' experience in multiple disciplines in offshore and onshore operations including well operations and production optimization, wells completion, formation evaluation, well intervention operations and with good knowledge of reservoir engineering. Serving the company in many production optimization projects for different well types which increase the company production performance for several years.

Professional Experience

* Upstream Operations & Production Optimization - Department Head Manager

Offshore Shukheir Petroleum Company from Aug-2021 - Current

Cairo, Egypt

- Lead and supervise a team of technical personnel, providing guidance, training, and performance evaluations,
- Supervise, schedule and safely operate the rig and rig-less operations for all offshore and onshore fields, to ensure production increase for the company's growth,
- Provide regular reports to the top management to show the daily operations and production performance of all fields,
- Responsible for achieving the production targets in a safe manner at the estimated expenditure,
- Increase the production capacity by improving the wells performance,
- Develop new strategies to increase production with safe & cost-efficient methods,
- Monitor and control the operational expenses with the approved AFE,
- Take corrective actions to rectify variances to ensure smooth operations,
- Review and approve the technical and commercial criteria for the engineering department tenders till contracts awarding procedures,
- Coordinate with other departments, such as Drilling, Exploration, Contracts and Procurement, to ensure smooth operations in offshore and onshore fields,
- Revise and approve the job invoices,
- Present the company in different meetings and conferences, inside the company premises and outside.

* Senior Petroleum Engineer

Mansoura Petroleum Company – Petroceltic from Dec 2006 – Aug-2021

Cairo - Mansoura, Egypt

- Review daily production data and introduce the required actions to maintain wells production for the company different fields,
- Review all contracts processes (Technical & Commercial evaluation),
- Review and analyze the open hole logs, select the points for pressure readings and samples that can describe the reservoir pressure and fluid types and perform the RFT job at the rig site,
- Evaluate fields and wells economically for drilling/workover approvals,
- Trainer and team leader for the fresh engineers joining the company,
- Review the gas lift design, and optimize the actual gas lifting operating conditions,
- Member of a team making studies for two reservoirs (Oil reservoir and Gas reservoir),
- Good experience in gas re-injection in oil reservoirs,
- Perform and review the daily production data allocation,
- Lead a team from all company's departments to evaluate the financial and technical obligations of the shareholder/partner of the company and present these obligations to EGPC,
- Present the company technically in different meetings with the Egyptian Petroleum Corporation and Egyptian Natural Gas Holding Company,
- Worked as a Consultant for 2 weeks to perform the DST job of well Bushra-1x for Merlon el Fayoum Petroleum Company,
- Joined Melrose Petroleum Company – Partner of EGAS in Mansoura Petroleum Company - from 2011 to 2014 on a loan basis,

Completion and Testing Jobs:

- Review and investigate the cement quality behind the casing and whether it needs cement squeeze job or not before starting the completion job,
- Identify the perforation intervals from the composite log,
- Prepare a detailed program for completion jobs and corporate with the Service companies staff to design the optimum completion scheme with the appropriate down hole equipment for oil and gas wells (Vertical, deviated, horizontal wells, open & cased hole gravel pack),
- Perform the completion job at the well site starting from the rig-up of the packer till perforation using TCP guns, lifting/cleanup and testing the well through a complete mobile test package,
- Prepare and set completion programs for horizontal wells and performed a completion job for a horizontal well using oriented TCP guns to perforate intervals up to 500 ft,
- Prepare and set completion programs for open hole gravel pack wells, and joined the team responsible for preparing programs for cased hole gravel pack completions (high rate water pack technique),

EDUCATION

- Faculty of Engineering Class 06
  Cairo University, Giza, Egypt
  Major: Petroleum Engineering – Bachelor Degree (grade: Good)
- High School: Lycee La Liberte', Maadi Class 01

COURSES

- PVT analysis and equation of state for compositional model (5 days)
- PETREL RE and eclipse (6 days)
- Applied Reservoir Simulation (5 days)
- Advanced Wireline Applications (3 Days)
- Well Testing and Analysis (5 Days)
- International Well Control Forum **(IWCF)**
- Gas Lift Technologies and Applications
- Well Casing and Cementing (Design and Implantation)
- 8th Mediterranean Offshore Conference & Exhibition (MOC 2016)
- Integrated Production Optimization Using Nodal Analysis

COMPUTER SKILLS

- Microsoft office "word, excel, power point".
- Petroleum Experts Package (Prosper, MBAL).
- Pansystem software (beginner level).
- PETERL RE Software (beginner level).

LANGUAGE SKILLS

- Arabic: Mother tongue
- English: Fluent
- French: Fluent

PROFILE

- Date of Birth: June 3rd, 1984.
- Marital Status: Married.
- Military Status: Exempt.
- Nationality: Egyptian.