



CAREER OPPORTUNITY: RESERVIOR ENGINEER

JOB PURPOSE:

The incumbent is responsible for providing Reservoir Engineering guidance and support to the Subsurface, Petroleum and Drilling Engineering Teams for field development studies, reserves auditing, recompletions, infill drilling opportunities, exploration and appraisal.

ACCOUNTABILITIES:

- Carries out reservoir simulation studies to optimize recoveries
- Predicts reserves and performance for well proposals
- Predicts and evaluates IOR and EOR performance (where applicable)
- Develops and applies reservoir optimization techniques
- Develops cost-effective reservoir monitoring and surveillance programs
- Assist in reservoir characterization studies
- Generates Reservoir Dynamic Models
- Analyses pressure transients
- Designs and coordinates petrophysical studies
- Transforms petrophysical and geological data into dynamic reservoir models
- Analyses the economics and risk assessments of major development programs
- Estimates reserves and resources for producing and non-producing properties
- Works as an integrated team member with Geoscientists, Drilling and Petroleum Engineers to monitor field performance and optimise production
- Provides input into field development plans (e.g. predicted production profiles, well count, data acquisition plans etc.)
- Assess opportunities for future infill wells, workovers and near-field exploration targets and prepare well recommendations and AFEs as appropriate

MINIMUM QUALIFICATIONS/EXPERIENCE:

- A degree in Engineering or a related discipline. Preferably a post-graduate qualification in Reservoir Engineering or related discipline.
- Minimum ten (10) years of work experience in the field of reservoir engineering
- Must have experience/ knowledge of current computer software (Petrel, Petra/Kingdom, OFM, Harmony and Harmony Enterprise) for geological applications
- Must have experience in mature producing fields where well log data and production data are the primary points of control for mapping
- Must have experience in Improved Oil Recovery (IOR) and Enhanced Oil Recovery (EOR)
- Must have a strong working knowledge of Trinidad geology
- Familiar with the regulatory requirements for development wells
- Competent in Dynamic/simulation modelling, well log interpretation and analysis

- Extended experience and knowledge of best practices in well production, reservoir engineering, completions, sand control, stimulation and well design
- Understanding of planning and economics inclusive of financial management (Opex, Capex, investment decision making)