

Oil & Gas Technology Group

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Oil & Gas

Technology Group

"Recruiting Top Talent for
The Upstream Oil & Gas Industry"

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Position Title:	Senior Reservoir Engineer – Base Assets
Salary Range:	\$
Classification (Full Time or Contract)	Full Time / US Citizens Only
Location:	Houston TX
Education Requirements:	Bachelor of Science or advanced degree in Petroleum or Chemical Engineering
Experience Level:	8 years in upstream petroleum industry
Job Description:	

ACCOUNTABILITIES

- Monitor field performance and insure surveillance plans are being progressed and data are being analyzed.
- Initialize simulation models based on geostatistically derived geocellular models, history match, provide base case forward simulations, and perform sensitivities and optimizations.
- Provide material balance modeling, sensitivity analysis etc in geologically complex oil and gas fields which have complicated gathering systems.
- Work closely with a multi disciplinary team to identify workover and infill well opportunities.
- Monitor reservoir performance and analyze same to make optimization recommendations to the multidisciplinary engineering and geoscience team including flood design and optimization.
- Provide input to the reserves reviews, life of asset depletion plans, and budget processes.
- Resource range estimation, including probabilistic modeling.
- Economic evaluation and justification preparation.
- Mentoring less-experienced engineers.

KEY DELIVERABLES / KEY DIMENSIONS

- Visibly embrace company HSEC initiatives
- Design well surveillance programs and lead the continual monitoring of reservoir and well performance.
- Define injection management plan to maximize field performance.

- Develop and prioritize work plans.
- Ensure reserves bookings guidelines are complied with
- Improve recovery by identifying wellwork, infill, stepout and other opportunities.
- Ensure efficient depletion of reservoir, maximizing production rates in accordance with HSEC management systems.
- Provide subsurface support and input to Development Projects as required.
- Maintain contact with Joint Venture Partner technical representatives as required.
- Participate, and lead where appropriate, multi-function, multi-disciplinary teams.
- Manage work commitments and priorities to ensure efficient delivery of technical work products.

BEHAVIOURAL & LEADERSHIP COMPETENCIES

- Innovative and creative
- Successfully and articulately communicates results of work and is receptive to other models and ideas
- Action Oriented
- Proactive - Seizes opportunities
- Meets stated deadlines providing high quality deliverables
- Practices attentive and active listening
- Encourages collaboration within and between teams
- Comfortable with uncertainty and with making timely decisions
- Fosters open dialog and comfortable sharing his/her opinion
- Respectful of fellow team members
- Works toward win-win relationships with joint venture partners
- Exercises good judgment when faced with uncertainty and challenge

ROLES AND RESPONSIBILITIES

The Base Asset Subsurface Team has an opening for a highly motivated Reservoir Engineer responsible for providing expertise primarily in the areas of integrated reservoir characterization, numerical simulation, production forecasting, reservoir surveillance, development planning and execution. The operated assets with which the engineer will work are offshore near Liverpool Bay:

- Douglas Oil Field (waterflood)
- Lennox Field (oil and gas cap)

AUTHORITY & WORKING RELATIONSHIPS

The candidate will work closely with the entire subsurface team (engineering and geoscience) and partner organization technical staff.

Other Teams:

- Production Technology Manager and Chiefs
- Other Petroleum Engineering peers
- Senior management
- Direct Reports: No direct reports, but the candidate will be expected to advise and mentor more junior and cross functional staff within the subsurface team.

EXPERIENCE AND QUALIFICATIONS

- This position requires a Bachelor of Science or advanced degree in Petroleum or Chemical Engineering
- Requires solid, demonstrated technical capabilities in the areas of reservoir modeling / numerical simulation (black oil, compositional, streamline), history

matching, simulation work flows, depletion planning, performance prediction, fluid characterization modeling, SCAL data interpretation & manipulation, water flooding and economics. The candidate should possess effective communications skills, and the ability to interact with multi-disciplined teams on a global scale, both internal and external to the Company.

- Proficiency in the use of various engineering software such Eclipse, Schedule, Prosper, GAP, SAPHIR, and familiarity with experimental design software, Petrel and extended networks.

- Experience Level: A minimum of eight years experience in the upstream petroleum industry, preferably with a Major Integrated Oil Company.