



The Quaderra Group specializes in the placement of technical and executive professionals in the energy and resource industries within Canada and around the globe. We utilize an innovative and proactive approach to reveal hidden talent to our clients and well-matched opportunities for our candidates. Our priority is to maximize the fit between companies and candidates. We look for the right fit – beyond the resume. This means we focus on getting to know YOU. This includes not only your skill set, but understanding what’s important to you to help determine what you really want. We work for you – your satisfaction is our success.

JOB ID #: C10237

JOB TITLE: Senior Reservoir Engineer

POSITION LOCATION: Calgary, AB

OPERATIONS: Oilsands, Northern Alberta

Our Client:

Our client is an integrated international energy company primarily focused on upstream oil and gas operations. The organization is involved in oil sands and offshore projects within Canada.

The Senior Reservoir Engineer will be responsible for reservoir activities on the Asset team with a thermal project that will be producing up to 20,000 bbls/day. The engineer will also work to optimize profitability of the Asset by guiding the Expansion project through the decision gates towards project sanction.

Reporting Structure:

This position reports to the Team Lead, Reservoir and Production Engineering.

Responsibilities/Accountabilities:

- Contribute to the success of our projects by working effectively in a team environment with Geology, Geophysics and other Engineering disciplines.
- Contribute proactively to implementation of the company values and work processes, incl. an open collaboration mindset, demonstrating active information sharing and data storage discipline, promoting and developing further the company’s best practice, and with high focus on integrated work processes and corresponding software tools.
- Will be required to mentor peers in company work processes.

- Conduct numerical modeling, subsurface studies and reservoir evaluation as required and according to job assignments.
- Establish and update full field reservoir simulation models for the Asset.
- Generate production forecasts using different reservoir simulators, production analysis and other reservoir engineering techniques according to the company's Best Practice.
- Analyze subsurface and surface field data to obtain key reservoir/well performance parameters and optimize/maximize the Asset production and recovery.
- Perform regional studies (including analyzing competitor public data) to improve understanding of the SAGD process.
- Follow up R&D efforts to identify and mature alternative cost-effective drainage and production mechanisms to recover bitumen resources from heterogeneous reservoirs.
- Contribute in establishing and updating reservoir development strategies and plans.
- Generate production profiles and recoverable volume estimates for the project, including uncertainty analyses.
- Contribute proactively to AMAP and other multi-disciplinary work processes.
- Support water management program, acting as key contact and subsurface engineering representative for Asset source and disposal well planning, including test design and liaison with regulatory agencies as required.
- Assist regulatory processes including technical justifications to the regulator and offsetting operators.
- Provide mentorship to junior and intermediate Reservoir Engineers on the team.

Skills/Qualifications:

- Minimum Master of Science degree or equivalent in subsurface engineering disciplines.
- 15+ years experience in reservoir engineering and related experience working within an integrated team including geology, geophysics and other engineering disciplines.
- Reservoir experience in thermal recovery of Heavy Oil or Oil Sands is required.
- Experience in SAGD processes is preferred.
- Experience with thermal simulation is required, hereunder advanced user of STARS, Exotherm or Eclipse.
- Experience with uncertainty analysis would be beneficial.
- The candidate must exhibit a pragmatic approach and strong subsurface technical skills. It will be necessary for the candidate on occasion to operate under varying timelines and generate recommendations often using poor quality, conflicting and/or non-existent data.
- Well rounded business acumen with high standards and business ethics.

- The candidate must be a self-starter and be able to handle multiple projects at multiple phases, concurrently and frequently under time pressure.
- Independent work ethic and at the same time, ability to be a strong team player to cooperate effectively in a matrix organization
- Excellent written and oral command of English
- Strong analytical skills
- Strong interpersonal skills

Compensation/Remuneration:

Compensation includes a competitive salary, short term performance bonus, long term incentive program, savings and pension plan, vacation, personal days off, comprehensive health benefits, and personal allowance.

How to Apply: If you are interested in this position, please submit your resume in Word or .RTF format to info@quaderra.com including job ID #C10237 in the subject line. Thank you.