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# Engineering Supervisor/Technical Lead

## Job Description

**Title** Engineering Supervisor/Technical Lead  
**Department(s)** Engineering  
**Reports to** Operations Director

### Job summary

An analytical thinker and motivated individual to provide technical guidance and lead a team of five (5) to six (6) engineers in daily operations and project execution from proposal through delivery. Responsible for technical oversight, direction and development of engineering and development teams. Exhibits creativity, insight and mature engineering judgment in anticipating and resolving complex engineering issues during the development and application of company's proprietary services and solutions. Develops, prioritizes and justifies various projects, processes and initiatives in support of company's core competencies – designs, feasibility studies, pilot programs, monitoring and assurance operators and regulatory support in the areas of *Associated Stream Management*<sup>™</sup> (produced water, DCI/CRI, H<sub>2</sub>S, CO<sub>2</sub>, waterflooding, etc.) and well and reservoir geomechanics (wellbore stability and strengthening, borehole integrity, subsidence/compaction, casing integrity, etc.).

### Summary of essential job functions

- Optimizes or advances current or future geomechanic technologies
- Performs data analysis, correlation and model development utilizing or developing proprietary software applications
- Establish and maintain partnership with client through active listening, effectively understanding their issues and needs, creative problem solving and providing effective direction and solutions for future projects
- Coordinate and supervise ongoing project work
- Identifying, reviewing and collating required project data and information
- Provide technical and quality assurance for all project deliverables and software development
- Review and assess engineers' technical development
- Develop and submit publications to industry events and journals
- Present technical papers, posters or presentations
- Prepare presentations, technical documents and other project deliverables or training materials

### Minimum Qualifications (Required)

- MSc or PhD in Petroleum Engineering preferred (Production, Drilling, Completions or Reservoir Engineering will be considered.)
- At least eight (8) years' experience in the oil and gas industry
- Extensive theoretical and practical experience in at least one of the following technical areas with a basic understanding and a willingness to learn and advance in the other two (2):
  - Injections [Injector well performance, injection of slurry, water and associated gases (recovery and disposal, etc.)]
  - Completions (e.g. Completions design, reservoir compaction, etc.)
  - Drilling (Drilling mud design, wellbore stability, etc.)

### **Desired Experience or Skills (Preferred)**

The following is a list of qualifications that are not mandatory for the position but will be considered a strong advantage to the candidate:

- Well Test Analysis
- Elasto-Plastic Behavior Modeling
- Finite Element Analysis
- Practical application and utilization of reservoir simulation software
- Working knowledge of Shale issues
- Proficiency in spoken or written Spanish, French or other secondary language
- Reservoir Geomechanics

### **Disclaimer**

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.