



April 16, 2018

## Drilling Optimization/Engineering Manager

**JOB SCOPE:** DEVELOP MULTI-DISCIPLINE TEAMS IN THE IMPLEMENTATION OF WELL SOLUTIONS AND ACT AS AN ADVISOR ON DRILLING ENGINEERING, DRILLING OPERATIONS, DRILLING PRODUCTS AND SERVICES AND PROJECT MANAGEMENT.

### Expectations/job duties:

HIGH proficiency on differing computer programs related to drilling engineering.

Integrate with existing well planning staff and both directional drilling and MWD.

Provide engineering support based on sound engineering principles

Perform basic well planning and hydraulics modelling as needed.

Perform Torque and Drag analysis for BHA's as needed.

Perform BHA/Vibration modelling as needed.

Interpret drilling data from logs, including such data as SPP, Torque, RPM, block height and downhole MWD data (both real time and recorded).

Report on the combined engineering models to both Premier management/coordinators and customers when required.

Make routine customer visits before, during and after drilling a well to ensure that all of the customer's questions are addressed with respect to adopted engineering processes. This could entail both rig site and office visits.

Provide regional technical support for drilling mechanics data (i.e. pressure and vibration).

Assist with training of both directional drilling and MWD/LWD field staff in the engineering analysis and cause-effect in different drilling situations. This may include, but is not limited to, rig visits, classroom instruction and one-on-one mentoring.

Be available to support 24-hour operations.

Perform support to sales when required.

### MINIMUM SKILLS AND KNOWLEDGE:

- Bachelor's degree in engineering discipline (or equivalent)
- Experience running Compass well planning software (or equivalent).
- Experience running hydraulics and Torque & Drag models.
- Experience in vibration modelling and analyzing drilling mechanics data including both surface and downhole data.
- Successful completion of industry accepted courses in Drill String Design, Drilling Optimization, Extended Reach Well Design, Drilling Fluids Engineering and Deepwater Drilling.
- Minimum 5 years of related industry experience.

**PREMIER**  
**DIRECTIONAL DRILLING**