

Frontier Engineering Corp.

Senior Fracture Stimulation Engineer

Key Skills:

Innovative
Analytical thinker
Excellent communicator

Job Description:

The Stimulation Engineer role is an integral member of a Completions Group and whose principle objective is the maximisation of the deliverability and reserve development of hydrocarbon resources through the analysis, design, planning, and execution of Fracture Stimulation projects. The Senior Fracture Stimulation Engineer will be responsible for the continuous improvement of safety, environmental, cycle time and unit costs of the Fracture Stimulation projects. Pumping services background , with hydraulic fracture design and post-treatment evaluation, is highly desired.

Main Duties and Responsibilities:

- Preparing fracture stimulation models, designs, programs and cost estimates
- Generating integrated reservoir descriptions which will be used to develop improvements to the well construction and stimulation processes
- Enhancing the operational productivity through improved logistics, materials, completion techniques, contractor management, team systems and processes
- Providing pre- and post-project fracture stimulation technical / commercial advice and support to Exploration and Exploitation teams
- Undertaking detailed analyses to reconcile production performance outcomes with stimulation model predictions in order to optimize future treatment designs
- Examining all stimulation cost-reduction and cost-effectiveness opportunities and implement where appropriate

Knowledge, Skills and Abilities:

- Professional Engineering (P.Eng) designation preferred, or Technologist (P.Tech, R.E.T., C.E.T.) designation
- Engineering degree or Technologist diploma
- Knowledge of fracturing fluids, proppants and overall treatment design. Experience with high temperature and high stress environments an asset
- Knowledge of rock mechanics, geophysical and geomechanical concepts and testing, such as mini-frac and injection testing
- A solid understanding of reservoir engineering, oil & gas development principles, micro-seismic and a familiarity with completion designs and petroleum industry operational practices
- Experienced in Stimulation job modelling, design, execution & optimisation experience. Experience in tight gas sands and/or oil and gas shales an asset.
- Experience with managing remote operations, multi-stage fracturing technologies and simultaneous operations on multi-well pads an assets.
- Experience in training new human resources an asset
- 6 – 10 years of experience with a minimum of 5 years in stimulation design and operations.
- Strong interpersonal and communication skills

We offer:

- Competitive salary and benefits
- Opportunity to work within an innovative, growing company
- Periodic international opportunities

To apply:

Email your resume to Carol Keen, Administrative Assistant: frontier.calgary@frontier-ltd.ca

We thank all who apply but only qualified applicants will be contacted.