



## **FRACTURING PUMP ENGINEER**

The Woodlands, TX

BJ Energy Solutions offers the successful candidate robust training and development opportunities, mentoring, internal career advancement opportunities as well as comprehensive benefits package including, but not limited to:

- Medical, Dental, Vision, Prescription Drug (Rx)
- Employee Basic Life and AD&D Insurance
- Short Term & Long-Term Disability
- 401(k) Retirement Plan
- Parental Leave
- Flexible Paid Time Off

If you are interested in joining our team, please forward your resume to [careers.usa@bjenergy.com](mailto:careers.usa@bjenergy.com)

### **Responsibilities as Fracturing Pump Engineer:**

- Applies and demonstrates sound engineering and design principles
- Travels to wellsite to observe and evaluate equipment performance without supervision
- Provides support to operations, maintenance, fabrication, and engineering teams
- Actively troubleshoots equipment when issues arise
- Conducts detailed root cause analysis and prepares reports
- Utilizes tools to assemble and disassemble equipment as needed in a field and shop environment
- Performs maintenance tasks in a field and shop environment
- Performs engineering hand calculations
- Conducts cost analyzes on designs
- Conducts and analyzes designs with the aid of 3D modeling software (SolidWorks)
- Produces technical documentation related to equipment design and processes, including drawings for fabrication, drawings for assembly, bill of materials, etc.
- Prepares documentation such as but not limited to equipment manuals, specifications and test procedures
- Manages a library with a large amount of files
- Assists with testing equipment and analyzing technical data

- Takes the lead on equipment tests and provides guidance and support to testing personnel
- Sizes components based on equipment requirements and calculations
- Communicates with 3rd party suppliers to verify specifications and availability of components
- Communicates with supply chain teams to maintain up to date timelines for project components and materials
- Manages workload to ensure timely, efficient, and effective completion of assigned projects and tasks
- Maintains up to date status reports
- Promotes a safe workplace, follows safety standards at all times, and complies with statutory regulations and organizational safety requirements
- Establishes and maintains effective working relationships with colleagues while exhibiting good communication and flow of information
- Attend trainings, seminars, certification courses, etc. to meet the requirements of the Professional Development Plan set forth by the employee and manager
- Must follow BJ Energy Solutions Code of Conduct at all times

**Requirements:**

- Bachelor's Degree in engineering or equivalent (Mechanical or Electrical preferred)
- Proficient with the design of positive displacement plunger pump used in hydraulic fracturing operation
- Proficient and with at least 2 year of experience with hydraulic Fracturing operation at well bore level
- Proficient with the engineering and design in all mechanical component used in the hydraulic fracturing pump
- Have experience in leading the design and development of the hydraulic fracturing pump in major pump manufacturers (i.e. SPM, GD, CAT)
- Ability to work independently and in a team environment
- Flexible and willing to accept a change in priorities on a regular basis
- Strong attention to details
- Able to climb ladders and stairs on equipment
- Able to lift objects weighing up to 50 pounds
- Working outside of normal working hours (i.e. nights, weekends, holidays) when required
- Able to travel to wellsite, district, customer site and vendor locations, sometimes on short notice
- Willing to train independently and procure resources for training
- Proficiency in the use of 3D and 2D modeling software (SolidWorks)
- Able to translate manufacturing drawings and schematics

- Proficiency in programming logic and prior use of programming language other than Visual Basic is an asset
- Advanced Microsoft Office Suite aptitude with Visual Basic programming language
- Ability to communicate ideas to a wide array of audiences
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