



EQUIPMENT DESIGN 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

Responsibilities as Equipment Design Engineer:

- Applies and demonstrates sound engineering and design principles
- Travels to wellsite to observe and evaluate equipment performance without supervision
- Provide shop floor support to operations, maintenance, fabrication, and engineering teams and troubleshoot equipment
- Conduct detailed root cause analysis and reports
- Utilize tools to assemble and disassemble equipment in a field and shop environment
- Perform maintenance tasks in a field and shop environment
- Perform engineering hand calculations
- Conduct cost analysis on designs
- Conduct and analyze designs with the aid of 3D modeling software (SolidWorks)
- Produce technical documentation related to equipment design and processes, including drawings for fabrication and assembly, bill of materials, etc.
- Prepare documentation such as equipment manuals, specifications, and test procedures
- Manage a library of engineering files
- Lead equipment tests and provide guidance and support to testing personnel
- Size components based on equipment requirements and calculations

- Communicate with 3rd party suppliers and internal supply chain team to verify specifications, timelines, and availability of components
- Manage workload to ensure timely, efficient, and effective completion of assigned projects and tasks
- Report to senior members to provide status updates
- Maintain up to date status reports
- Promotes a safe workplace, follow safety standards, and comply with statutory regulations and organizational safety requirements
- Establish and maintain 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
- Has at least 2 year of experience with hydraulic Fracturing operation at well bore level
- Proficient with the engineering and design in all mechanical components used in the hydraulic fracturing pump
- Experience in leading 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 in fast-paced environment
- 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
- Willing to train independently and procure resources for training
- Proficient in the use of 3D and 2D modeling software (SolidWorks)
- Proficient in translating manufacturing drawings and schematics
- Proficient 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