

RAFAEL ORTEGA

Big Spring, TX 79720

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PETROLEUM ENGINEER

Experience in all facets of horizontal completions, plug and abandonment, drilling, well intervention, fishing operations, and regulatory work. Significant experience supervising the execution of well work and remediation work for ready to plug jobs. Extensive experience working directly with engineers, workover foreman, and contractors to successfully fix and plug over 700 wells in the Midland Basin.

PROFESSIONAL EXPERIENCE

RAILROAD COMMISSION OF TEXAS, Midland, TX

Engineering Specialist II

05 / 2020 - Present

Observed and regulated drilling operations, plug and abandonment jobs, squeeze jobs, injection wells, and mechanical integrity tests. Performed well and lease inspections, investigated well complaints, and insured all oil and gas operations were compliant with statewide rules. Managed day to day activities of rig contractors, logistics of equipment, providing daily reports and maintaining accurate cost controls on state orphan well plugging and abandonment.

- Designed and planned wellwork operations for remedial workovers, P&As, and RTAs.
- Supervised and regulated plug and abandonment projects successfully resulting in protection of the state's usable water quality.
- Monitored daily progress of wellwork operations, tracked daily costs and recommended changes based on regulatory rules.
- Supervised all aspects of well interventions such as wireline, coiled tubing, and workover operations for remedial work for injection and producing wells for ready to plug.
- Developed and performed field risk assessments for orphan well P&A candidates as well as optimized P&A well work processes.

HALLIBURTON, Odessa, TX

Frac Field Engineer

06 / 2017 - 12 / 2019

Held accountability for all facets of onsite operations in cooperation with company representatives, consultants, and field engineers. Assisted teams in pre-planning, job execution, and post-job analysis activities. Designed, executed, and optimized horizontal, multi-stage completions. Troubleshoot well and completion related issues. Identified hazards, best practices, evaluated best equipment, and incorporated sound engineering practices for the design and construction of new well completions.

- Diagnosed and solved problems by applying standard engineering principles that reduced field operation time.
- Reduced completion costs by providing accurate and appropriate technical service expertise to external customers.
- Cultivated best practices by mentoring and training less experienced engineers to advance in technical operations.
- Maximized resources by supporting equipment optimization, cost reductions, and overall location efficiency.
- Troubleshoot well and completion issues effectively resulting in more successfully stimulated stages.
- Developed KPIs and performed root cause analysis on equipment failures, driving continuous improvement and reduced downtime and failures.

TECHNICAL PROFICIENCIES

Python, R, FracPro, Spotfire, GOHFER, Power BI

EDUCATION

Bachelor of Science, Petroleum Engineering,
New Mexico Institute of Mining and Technology, Socorro, NM, 2017