

RUSSELL (RUSTY) SMITH

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SOLUTIONS DRIVEN | ENHANCED PRODUCTION-COMPLETION ENGINEER **Well Trouble Shooting with Increased Well Performance**

Petroleum and Environmental Engineer providing experienced services and utilizing extensive, development skills over several years in these two industries. Developed hands-on engineering skills in enhanced well production methods, including fracturing, acidizing, chemical treatments, and cementing. Experienced in field work both on and off drilling rigs, responsible for downhole oil field tools, reverse unit operations, developing well schematics, and detailed drawings. Creating well construction budgets for drilling and completion operations (AFE) and providing well site supervision. Areas of expertise include:

**Well Project Oversight / Well Construction and Design / Well Testing and Analysis /
Well Stimulation Design / Well Cementing Design / Compliance and Procedure Repots**

PROFESSIONAL EXPERIENCE

BAKER HUGHES, INC., Houston, TX

2013 – 2015

Petroleum Engineer / Technical Support Sales Engineer

- Responsible for the development of fracturing designs for clients in South Texas and North Dakota.
- Responsible for the development of cementing designs for clients in South Texas and North Dakota.
- Create cost estimates for the proposed designs for integration into the well proposal.
- Engineering support for all pumping service product lines, including cementing and fracturing services in horizontal well wellbores, integrating coil tubing services with pumping services,
- Supporting sales of water management services.
- Projects:
 - Oasis Petroleum: technical support development of fracturing designs and cost proposals
 - Cabot Oil and Gas: direct oversight of well cementing designs and proposals
 - Laredo Energy: indirect oversight of cementing design and fracturing treatments
 - 1776 Energy: assisted with the development of fracturing designs and sales
 - Unit Petroleum: development of vertical well and horizontal well fracturing designs
 - Nor-Tex Midstream: direct oversight of fracturing designs and sale of fracturing services

LONQUIST & CO., LLC, Houston, TX

2012 – 2013

Petroleum Engineer/Consultant

- Responsible for the design of cavern well leaching projects including updates.
- Provided well construction design for salt water disposal wells and cavern wells.
- Performed state required well testing on Class II and Class III cavern wells
- Performed state required well testing on Class II salt water disposal wells.
- Completed compliance documentation for state regulators.
- Provided on site supervision over cavern well operations.
- Projects:
 - Petal Gas & Storage well conversion from leaching to gas storage
 - Liberty Gas & Storage plug and abandoned existing cavern wells
 - Mississippi Hub Gas & Storage conversion from leaching to gas storage.

PARSONS BRINCKERHOFF (Formally Subsurface Group, Inc.) Houston, TX 2005 – 2012
Petroleum Engineer

- Field oversight of Class I hazardous / non-hazardous disposal well projects.
- Responsible for Class I hazardous / non-hazardous disposal well design, testing, and analysis.
- Responsible for the design of well stimulations.
- Responsible for management of well projects.
- Completed federal EPA and state required disposal well permits and petitions concerning well design.
- Projects:
 - KC Industries: Well petition
 - UOP, Inc.: Deepen waste disposal well to a new interval
 - Giant Refining Co.: Correct well injection problems and determine cause
 - Navajo Refining (Holly Corp.): Conversion of abandoned oil well to waste disposal
 - Williams: Washington, La: Maintenance on high pressure gas storage wells
 - Veolia: Well testing, stimulation, and mechanical integrity repairs
 - BP: Well testing and stimulation of wells
 - UEC: Completion of water disposal well in South Texas for uranium mining facility.

CSI TECHNOLOGIES, Division of Superior Energy Services, Houston, TX 2004 – 2005
Technical Advisor

- Reviewed client's previous drilling jobs that failed, had serious problems, or both.
- Responsible for analyzing all documentation regarding drilling procedures, cementing and fracturing processes, flow results of wells, the tools/equipment/fluids/cement/ etc.
- Performed analysis of how the job could have been corrected and at what points of the process could the errors, miscalculations, improper use of tools/cement/fluids, etc. have been corrected, eliminated, or avoided.

ENVIRONMENTAL CONSULTING WORK 2000 – 2004

- URS Corporation, Hurst, TX (Environmental Engineer)
- Farmer & Associates, Inc., Allen/Hurst, TX (Project Manager)
- Terra-Mar, Inc., Ft. Worth, TX (Senior Environmental Scientist)
- King Consultants, Inc., Bedford, TX (Staff Environmental Engineer)

SCHLUMBERGER, INC, New Mexico, Texas, Louisiana 1994 – 1999**District Engineer – Longview District, Bossier City, LA**

- Responsible for cementing, stimulation evaluations and designs, cost control, personnel and equipment.
- Performed quality control, safety training analysis.
- Provided customer service and support to clients in the area of well performance.
- Recommended pre-perforation and post-flow back techniques based log data analysis.
- Performed reservoir evaluations a given formation for the client to determine possible fracturing candidates.

Field Engineer II, & Field Engineer – Offshore Cementing District, Houston, TX District

- Offshore well cementing and casing design, including evaluation and of well casing cement integrity.
- Provided evaluation of case hole bond logs, and recommended casing design parameters.

Field Engineer I, Field Engineer – Midland, Texas District, Hobbs, NM

- Oil well stimulation, design and implementation of oil well chemical treatments (acidizing and fracturing).

Projects While at Schlumberger:

- Evaluation of the Haynesville formation to optimize oil production and reduce water production after well stimulation.
- Development of a cement spacer slurry design program using Efficient Laminar Flow parameters.
- Responsible for the development of a foamed cement-pumping offshore program.
- Field testing of a new flow control product, "Propnet", and evaluated the determination of closure pressure during high rate acid jobs

EDUCATION / CERTIFICATION / LICENSES**B.S., Petroleum Engineering, University of Texas, Austin, TX**

Undergraduate courses, Business Administration, New Mexico State University, Las Cruces, NM

Have taken the Professional Engineering exam unsuccessfully once and will retake the exam. Forty hours of HAZWOPER training completed. Certified in waste disposal well engineering by GWPS, certified by Schlumberger in fracturing and cementing design, and have completed well control classes with certification.

PETROLEUM INDUSTRY TRAINING

Fracturing equipment training, reservoir engineering, fracturing theory and design, management training, oil-field cementing equipment training, cementing chemistry, well-cementing design, drilling practices, cement bond log analysis, open and cased hole log analysis, advanced fracturing engineering and reservoir evaluation for production analysis. Waste water hazardous and non-hazardous disposal wells, Class I, Class II disposal wells and gas storage wells.

- DOT: Hazardous materials transportation safety, DOT requirements and regulations.
- Front-Line Mgt.: Management ethics, health safety and environmental management, profit and loss, social management/sexual harassment issues, mentoring, and performance management.
- Sales: Value-added selling, customer service, social issues involved, planning and developing sales.

SOFTWARE/COMPUTER SKILLS

MS Office, MS PowerPoint, MS Excel, MS Visual Basic, MS Fortran99, FluidPRO, GasMAT, Dwight's SAM & PERFORM, OilMAT, ProCADE, SPAN, Zodiac, Stripper, WellLOG, Schlumberger's CADE Software Suite, FracPro, MFrac, Gopher, Cavern Design software, Weatherford's Pansystems, and FracIP