

TYLER WARD, EIT

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SOFTWARE ENGINEER | DATA ANALYST | DATA ENGINEER PRODUCTION | RESERVOIR | FACILITIES | REMOTE OPERATIONS

A professional with over six years of experience leading complicated and multi-faceted engineering projects, management and operations development at global offshore/land sites with a passion for data analytics and software engineering. Spearheads the completion/commercialization of engineering tools, equipment, and software programs, drives full compliance with internal controls, industry standards, and regulatory requirements/governing mandates, mentors staff members, and designs/deploys solutions to improve production, cash flow, and overall engineering performance and efficiency.

Engineer in Training (EIT) License #31842

Drilling Engineering | Wells Engineering | Software Engineering | Production Engineering | Computer Engineering
Computer Science | Cost Estimates | Project Management | Data Analytics | Information Systems | Volunteer
MOC | Mentor | Well Testing | Team Leader | Data Analysis | Benchmarking | Remote Operations | Mathematics
Water/Well Production Forecasting | Continuous Improvement | Reporting | Upstream | International

CAREER HISTORY

SCHLUMBERGER LIMITED

4/2014 – 1/2020

DRILLING AND MEASUREMENT ENGINEER,

Steered measurement-while-drilling (MWD)/logging-while-drilling (LWD) operations while traveling to field sites (offshore/land) across Saudi Arabia, Bahrain, United Arab Emirates (UAE), Equatorial Guinea, and the U.S. (GoM).

HIGHLIGHTED ACHIEVEMENTS

- **Guided the Testing, Deployment, Completion, and Commercialization of Tools/Software at Client Sites, including**
 - SpectraSphere Tool (a fluid sampling/mapping-while-drilling service) for BP, Hess, and Saudi Aramco.
 - TerraSphere Tool (a dual-physics imager for all oil-based mud systems) and emerging technologies for BP.
 - MaxWell Software (data acquisition and visualization software) for Schlumberger including development of product features.
- **Served as a Remote Operations Engineer in Saudi Arabia.** Prioritized operations to troubleshoot technical drilling/analytical issues with numerous rigs while communicating with staff members of diverse primary languages and cultures.
- **Selected as Both the *Customer Engagement Coordinator* and *Operations Support Engineer*** responsible for editing tool collar orders (TCO) to ensure full compliance while troubleshooting technical problems with downhole tools/drilling mechanics as a result of superior performance, leadership, and engineering expertise.
- **Named the Point of Contact for a Client Petrophysicist on LWD Tool Operations** and data analysis/interpretation.
- **Initiated and Continued Developing Relationships with Premier Clients, Including SMB Organizations and Global Oil and Gas E&P Companies** (i.e. Exxon, Shell, BP, Hess, Saudi Aramco, and Talos) while providing drilling/technical support and partnering with each one to optimize their drilling strategy and operations.
- **Tapped to Oversee the Calibration, Transportation, Tracking, and Storage of Nuclear Tools and Radioactive Sources as the District Engineer** while collaborating with foreign government agencies. Oversaw quality assurance/control (QA/QC tests), assessed performance, and ensured compliance with safety regulations, government mandates, and internal controls.
- **Recognized as a Subject Matter Expert (SME)** on rig operations, downhole tools, drilling support services, tool programming, log interpretation, risk/ exposure mitigation, and radiation for professionals at each client site.

HIGHLIGHTED RESPONSIBILITIES

- **Analyzed Raw/Corrected Logging Data/Statistics** from downhole tools and software applications to prepare comprehensive reports that communicated formation properties to authorized internal/external stakeholders.
- **Led Formation Pressure While Drilling Projects in Deepwater High-Pressure Environments** across the GOM, UAE, and Equatorial Guinea to optimize mud weight, identify casing setting depths, and analyze reservoir pressure/fluid mobility.
- **Orchestrated Formation Fluid Sampling/Bottomhole Sampling Projects** to obtain/analyze PVT samples and assess potential well performance while ensuring best practices/policies are upheld.
- **Managed Repairs for Downhole and Surface Equipment/Tools** (*arcVISION, MWD TeleScope high-speed telemetry-while-drilling service, adnVISION, EcoScope, StetboScope, GeoSphere, SpectraSphere, TerraSphere, ImPulse, and SonicScope*) while resolving issues with WITS (*wellsite information transfer specifications*) and WITSML (*wellsite information transfer standard markup language*) data standards.
- **Fostered Stewardship and Training/Knowledge Sharing** on LWD Tool Operations, Data Interpretation, and Downhole Telemetry for Rig Personnel by utilizing internal/external mentorship program (*engineers, geologists, and company representatives*).
- **Delegated the Responsibilities and Work Location Assignments of Engineers and Directional Drillers** to capitalize on their strengths while remaining diplomatic, providing servant leadership, and fostering collaboration at each project site.

PRODUCTION AND FACILITIES ENGINEER

Led production and facilities engineering activities to optimize current production, launch new wellsite facilities, and maintain ongoing operations while leading two major projects. ***Hired as a Production/Facilities Engineer After Participating in a Reservoir Engineering Internship.***

HIGHLIGHTED ACHIEVEMENTS

- **Served as the Sole Field Production Engineer for 300+ Wells on 112,000 Net Acres Across Northern Louisiana.**
- **Surged Annual Cash Flow \$1.3MM and Improved Production Throughout 23 Haynesville Wells** while driving bottom-line growth by utilizing project management skills and leading the implementation of a waste pipe remediation work program.
Highlights Include
 - Initiated the Use of the Organization's Internal Construction Group (*in lieu of cost-prohibitive third-party contractors*) to complete facility modifications/enhancements with a strong focus on in-house performance metrics.
 - Prevented Solidification of Produced Fluids and Minimized Risks of Shut-Ins and Lost Production Time by applying external heat sources to the discharge lines of H2S mitigation systems.
 - Effective Management of Onsite Energy Needs by reallocating critical energy resources to applications on each well pad.
- **Captured Major Cost Savings While Leading the Water Removal Optimization Project.** Assessed and identified tank capacity needs and develop / improve driver schedules based on water production estimates.

HIGHLIGHTED RESPONSIBILITIES

- **Steered Concurrent Projects Throughout Their Lifecycles to Meet Highly Ambitious Deadlines.** Prepared construction schedules and scopes of work (SOW), secured/allocated resources, prepared bills of materials (BOM), analyzed P&IDs, and remained flexible to adjust to emerging priorities.
- **Maximized the Financial Vitality of Each Project** through the design of accurate cost estimates while exercising discipline to remain focused on end results/goals.
- **Provided Consultative Leadership While Empowering Teams of Construction/Transportation Personnel** to meet and exceed their professional benchmarks. Delegated responsibilities, assessed KPIs, communicated feedback, and encouraged teamwork, collaboration, and professional growth.
- **Versed in Well Planning and Identified Prospective Well Pad and Well Layouts** with maximum returns by assessing total drainage areas of leased acreage.
- **Cultivated Expertise in ANSI/ASME Standards** to reduce operational risks/exposures.

EDUCATION

DATA ANALYTICS AND VISUALIZATION BOOTCAMP

Anticipated Graduation: October 2020

RICE UNIVERSITY: Houston, TX

Self-Financed 100% of Education

BACHELOR OF SCIENCE (B.S.): PETROLEUM ENGINEERING

Minor in Geology

LOUISIANA STATE UNIVERSITY: Baton Rouge, LA

Self-Financed 100% of College Education

TECHNICAL SKILLS

MS Office (*Word, Advanced Excel, Outlook, Access, and PowerPoint*), ARIES, Petra, Maxwell, DMAG Survey Corrections Software, Petrel, Pivot Tables, VBA Scripting, Modeling, Forecasting, Python 3, NumPy, Pandas, Matplotlib, API Interactions, MySQL, MongoDB, HTML, CSS, Bootstrap, Dashboarding, JavaScript, D3.js, Geomapping, Tableau, Big Data Analytics, Machine Learning