

Austin B. Caudill

Dallas, Texas

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PRODUCTION ENGINEER

Operations Engineer / Production Engineer / EOR & Mature Field Rejuvenation Specialist

Competencies:

Reserves & Economics Programs: PHDWin and ARIES

Reservoir Modeling and Surveillance: DSS and OFM

Drilling Info and WellDatabase | Wellview | Rodstar and XROD

MS Office Suite

Professional Experience

Operations Engineer - Texas | Urban Oil & Gas Group, LLC

2018 – 2019

Directed the operations and development of \$50 million of NBV conventional assets within the Fort Worth, Eastern Shelf, Midland, and Val Verde basin.

- Provided daily well surveillance using real-time SCADA streams and field reports to maximize production.
- Coordinated field operations to accomplish well work and R&M tasks. Tracked nearly 400 well failures / other sources of downtime and performed data analysis to determine MTTF and other technical metrics to reduce failures by nearly 50%.
 - Maintained workover rig schedules to satisfy production goals and other time, personnel, and leaseholder constraints.
- Set operating, remedial, and capital budgeting goals with management. Tracked expenses and identified cost reductions where possible.
 - Delivered and presented monthly accruals, OPEX/CAPEX, and budget variances to the accounting group. Coded and approved all invoices.
 - Realized a 57% cost reduction (~\$235 thousand) in West TX P&A budget by collaborating with affected surface owners, the Land & Legal group, and vendors to manage expectations and drive down costs.
- Authored AFEs and designed well and facility optimization and intervention procedures with the input of field foremen and other industry professionals. Experienced with the design of stimulation (frac/acid) jobs, logging and up-hole completion, casing integrity remediations in both vertical and horizontal wellbores.
 - Drove continuous improvement by researching completion and production data on offset operators.
 - Planned and supervised a gelled-acid refrac on a vertical well which resulted in over a 100% sustained production uplift.
 - Directed the design and supervision of a sand frac that resulted in a production uplift from 1 bopd to 40 bopd on a stripper well that had not been uphole re-completed correctly.
- Prepared the Reserve Report for assigned geographic area.
 - Performed production decline analysis and generated monthly outlook and LRP.
 - Generated capital projects, forecasting of production/costs, and capital deployment schedules.

Production Engineer | Kinder Morgan

2015 – 2018

Goldsmith (GLSAU) ROZ / MPZ CO2 flood in the Permian Basin Central Basin Platform.

Member of a multidisciplinary team that worked together to increase the efficiency and operations of the Goldsmith EOR project resulting in a roughly 27% increase in production and the field positively cash flowing.

- Created flow-streams and forecasts to support various development projects across the field.
- Authored workover procedures for installation of artificial lift such as submersible pumps, rod pumps, and gas lift assist in producing oil wells as the flood matured and GORs in these wells changed.
- Executed an \$8 million polymer conformance program to divert CO2 injection from a thief zone into the target pay zone.
- Prepared yearly Enhanced Oil Recovery (EOR) tax credit documentation and presentation to the RRC that provided millions in savings.
- Designed chemical stimulation jobs across the field that increased oil production in selected wells by 35%.
- Served as a mentor in the 2018 Summer Internship Program.

Engineering Intern – CO2 Source & Transportation | Kinder Morgan

Summer 2014

- Assisted with the flow testing and monitoring of CO2 source wells in Colorado by tracking CO2 concentrations in real-time and mapping areas of potentially dangerous CO2 accumulations to meet safety objectives.
- Built Prosper Models and performed nodal analysis on CO2 wells in the McElmo Dome to estimate current reservoir pressure and predict the future gas flow rate and pressure loss due to friction through tubulars.

Engineering Intern – Permian Basin | Kinder Morgan

Summer 2013

- Evaluated the effectiveness of past and present CO2 injection activities within the SACROC unit in the Permian Basin.
- Improved zonal CO2 flooding and recommended downhole conformance work to increase pattern flooding performance. Created presentations to assist engineers and managers with understanding the current flood performance.
- Observed hydraulic fracturing activities, wireline operations, polymer jobs, and acid stimulation field operations.

Education

M.B.A., Quantic School of Business & Technology

2017

B.S., Petroleum Engineering, The University of Texas, Austin, TX

2011 – 2015

Professional Development

- Level 1 Certification | International Well Control Forum
- Well Ops Crew Resource Management (CRM) Certification | International Well Control Forum
- SPE Training:
 - Matrix Acid Stimulation
 - SEC Reserves Reporting Regulation
 - Using API-19B to Enhance Perforating Performance
- Workover Well Servicing | Wild Well
- Economic Evaluations and Investment Decision Methods | Investment Evaluations Corporation
- Permian Basin Artificial Lift & Production Optimization Congress
 - Two-time panelist offering insight on Rod Pump Conversion successes and failures in a maturing tertiary recovery field (2018) and plunger lift optimization in a West Texas gas field (2019).