Austin B. Caudill

http://linkedin.com/in/austincaudill/ | https://www.thepetroguy.com
austinbcaudill@gmail.com | Cell (281) 795-2850

OPERATIONS ENGINEER

Reserves & Economics Programs: PHDWin and ARIES | Reservoir Modeling and Surveillance: DSS and OFM
Data Packages: Drilling Info and WellDatabase | AL Design Packages: Rodstar and XROD
Wellview | Spotfire | Petra

Young Professionals Chairman | SPE - Dallas   2020 – Current

Serve on the Dallas Society of Petroleum Engineers' board as the Young Professionals Committee chairman. Responsible for committee operations, recruitment, planning, budgeting, and other necessary tasks to engage the DFW area's young professionals.

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 basins.

- Generated production forecasts and performed decline curve analysis for both near and long-term outlook and yearly Reserve Report.
- Provided daily well surveillance using real-time SCADA streams and field reports to maximize asset production and cash flow. Distributed weekly production report vs plan and accounted for any production variances.
- Coordinated field operations to accomplish well work, R&M tasks, and production goals. Coded and approved all LOE invoices.
  - 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%.
- Prioritized workover rig schedule by performing economic analysis on potential workovers and taking into account other time, leasehold, and cash flow constraints.
- Set operating, remedial, and capital budgets with management. Tracked expenses and identified cost reductions where possible.
  - 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.
- Delivered accruals and budget variances to the accounting group monthly while reviewing LOS statements.
  - Remedied a breakdown in the accountant workflow that had allowed production to be improperly allocated and reported for the past several years.
- Authored AFEs and designed workover procedures with the input of field foremen and other industry professionals. Experienced with the design of stimulation (acid/frac) jobs, logging and up-hole completions, and casing integrity remediations in both vertical and horizontal wellbores.
  - 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.

Production Engineer | Kinder Morgan   2015 – 2018
Goldsmith (GLSAU) ROZ / MPZ CO_2 flood in the Permian Basin Central Basin Platform.
- 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 CO_2 injection from a thief zone into the target pay zone.
  - Designed chemical stimulation jobs across the field that increased oil production in selected wells by 35%.
- Identified uneconomic wells and injection patterns 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.
- Prepared yearly Enhanced Oil Recovery (EOR) tax credit documentation to the RRC that provided millions in savings.
- Served as a mentor in the 2018 Summer Internship Program.

Engineering Intern – CO_2 Source & Transportation | Kinder Morgan   Summer 2014
- Assisted with the flow testing and monitoring of CO_2 source wells in Colorado by tracking CO_2 concentrations in real-time and mapping areas of potentially dangerous CO_2 accumulations to meet safety objectives.
- Built Prosper Models and performed nodal analysis on CO_2 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 CO_2 injection activities within the SACROC unit in the Permian Basin.
- Improved zonal CO_2 flooding and recommended downhole conformance work to increase pattern flooding performance. Created presentations to assist engineers and managers with understanding the current flood performance.

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
- Multiple SPE training courses (listed on training addendum)
- 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).

Austin B. Caudill

http://linkedin.com/in/austincaudill/ | https://www.thepetroguy.com

austinbcaudill@gmail.com | Cell (281) 795-2850

SPE Training Addendum

- Do's and Dont's of Matrix Stimulation
- Using the revised and improved API19B to enhance your perforating performance
- SEC Reserves Reporting Regulation Series
- Well Integrity for Fracturing and Re-Fracturing: What is Needed and Why?
- The Role of Inflow-Control Devices in Optimizing Horizontal Well Performance
- Well Plug and Abandonment