

HOLLY MOORE

Dallas, TX • (972) 741-1204 • mholly729@gmail.com

Petroleum Engineering senior with strong experience in production economics, Python-based analytics, and development planning. Proven ability to turn raw production and cost data into actionable business decisions for engineering, land, and finance teams. Pursuing a Petroleum Ventures Program finance certificate, with hands-on experience bridging engineering and economic evaluation for upstream asset development.

EXPERIENCE

Engineering Intern — Chief Energy LLC | Dallas, TX (2025 – Present)

- Designed and deployed an internal Python/Streamlit web application connected to the company SQL database to evaluate production and well-level economics across a large Utica Basin portfolio.
- Screened 7,000+ wells across the Utica Basin (Ohio) using production, cost, and pricing assumptions to support development, divestment, and lease-retention decisions.
- Built full economic models incorporating commodity pricing, operating expenses, capital costs, decline behavior, and internal cost assumptions; researched and derived missing inputs from historical company data.
- Classified and binned wells by economic status (economic, marginal, uneconomic), enabling rapid portfolio-level screening and prioritization.
- Mapped wells to lease boundaries and identified leases with no economically productive wells; delivered results directly to the land team for evaluation and action.
- Developed a rig-movement and development timeline model to visualize operator activity and capital deployment by sub-area, supporting mineral acquisition screening.
- Automated production data ingestion and forecasting workflows using Python and ComboCurve, allowing background processes to run without manual oversight.
- Tracked hundreds of wells from spud through first production, improving visibility into near-term production additions and development cadence.
- Selected as the only intern to have the role extended beyond the summer term; assumed ownership of responsibilities previously held by a full-time engineer and streamlined legacy workflows to improve efficiency.

Tools: Python, Streamlit, SQL, ComboCurve, Spotfire, ARIES, PowerBI

Undergraduate Student Researcher — Texas A&M University (2024 – 2025)

- Designed and modeled custom experimental components in SolidWorks for laboratory testing, including parts fabricated via 3D printing.
- Formulated and tested drilling fluids in a controlled flow loop environment, supporting evaluation of fluid performance under simulated operating conditions.
- Prepared technical documentation and presentations summarizing experimental design, results, and engineering implications.
- Contributed to successful external research funding, demonstrating the commercial and technical relevance of the work.

Summer Intern — PureFrac | Midland, TX (2023)

- Developed and maintained operational tracking spreadsheets for multiple frac crews, monitoring schedules, equipment utilization, and job progress.
- Analyzed field-submitted data to support engineering performance reviews and post-job evaluations.

- Completed a two-week field hitch in New Mexico, working in the frac van alongside operations personnel, gaining firsthand expose to hydraulic fracturing execution and real-time decisions-making.
- Supported end-of-job reporting, improving data organization and communication between field and office teams.

EDUCATION

B.S. Petroleum Engineering — Texas A&M University (Expected December 2026)

- Petroleum Ventures Program (Finance & Economics Certificate)
- Society of Petroleum Engineers (SPE) Member
- Society of Women Engineers (SWE) Socials Co-Chair

TECHNICAL SKILLS

Programming & Data: Python, SQL, Streamlit, Spotfire, Excel, ComboCurve, GIS

Engineering Software: ARIES, SolidWorks

Core Competencies: Production & Development Economics, Multi-Well Analysis, Decline Analysis, Asset Screening, Technical Writing

Operations Exposure: Drilling & Completions, Hydraulic Fracturing, Production Surveillance.