

DANIEL SERUR

PETROLEUM ENGINEERING

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EDUCATION

Texas A&M University – College Station, TX
BS – Petroleum Engineering
Minor – Geology

Expected 12/2025

PROFESSIONAL SUMMARY

Petroleum Engineering student seeking a full-time position in the oil and natural gas industry, with strong interest in production and drilling operations. Brings hands-on experience in automated drilling technology and field production, including well optimization, facility operations, and flare tracking. Proven ability to work with multidisciplinary teams in both remote and field environments. Dedicated work ethic, strong communication and leadership skills. Fully bilingual in Spanish and English.

SKILLS

SolidWorks, AutoCAD, Inventor, Python, Microsoft Office, IADC RigPass, Standup/Sit-down Forklift.

PROFESSIONAL EXPERIENCE

Well Production Analyst | Danos – Eagle Ford Shale

08/25 – Present

Production Operator Intern | Murphy Oil Corporation – Houston / Eagle Ford Shale

05/25 – 08/25

- Collaborated with the Remote Operations Center (ROC) to monitor and optimize production from over 1,000 wells across the Eagle Ford Shale.
- Developed and deployed a Power BI program to estimate and report flare volumes from 24 facilities, enhancing visibility and compliance tracking.
- Assisted field operators in daily tasks including well restarts, facility inspections, and routine walkthroughs to ensure safe and efficient operations.
- Supported Artificial Lift team with hot water treatments to remove paraffin buildup and participated in crane operations to tag and reseal downhole pumps.
- Worked with Maintenance personnel on mechanical repairs including pump servicing, belt replacements, and pumping unit troubleshooting.
- Gained hands-on experience with I&E technicians performing electrical diagnostics, instrumentation maintenance, and communications troubleshooting on field equipment.

Engineering Intern | Nabors Industries / Canrig Drilling – Houston / Magnolia

05/23 – 05/25

- Developed a centralized knowledge base using Copilot to organize troubleshooting and training resources for Rig Equipment, RigCLOUD Controls and Automation, and Performance Tools.
- Provided real-time troubleshooting support as a Rig Equipment Technician, diagnosing and resolving mechanical, electrical, and hydraulic issues with Catwalks, Iron Roughnecks, Top Drives, and other rig systems.
- Collaborated with field operations and engineering teams to improve equipment uptime and optimize remote troubleshooting processes.
- Collaborated with the engineering team to upgrade the Torq-Matic™ Wrench, enhancing its efficiency and functionality.
- Utilized SolidWorks to create detailed 3D models of parts, assemblies, and technical drawings, adhering to industry-standard engineering drafting procedures.
- Developed a program to estimate cycle times for various versions of the Torq-Matic™ Wrench based on different tubular sizes, optimizing operational efficiency.
- Worked closely with the sales and production teams to manufacture automated wrenches, top drives, and catwalks, leading to more streamlined production processes.
- Updated AutoCAD facility drawings to comply with OSHA regulations, contributing to a safer work environment.
- Supported the sales team in selling parts to oil companies, playing a key role in expanding the company's client base.

EXTRACURRICULAR ACTIVITIES

- Member of the Society of Professional Hispanic Engineers (SHPE).
- Member of the Society of Petroleum Engineers (SPE).
- Member of the International Association of Drilling Contractors (IADC).