

Emer Phelan

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OBJECTIVE: Senior petroleum engineering student seeking full time engineering position upon graduation

EDUCATION

Texas A&M University – College Station, TX
Bachelor of Science in Petroleum Engineering
GPA: 4.0

Graduation: May 2022

EXPERIENCE

ConocoPhillips – Midland, TX
Drilling Engineering Intern

May – August 2021

- Project: Completed in depth comparison of 11 COP Permian rigs (8 contractors) to create template to handicap rig rates and determine effective day rates to assist when picking up and high-grading rigs. Visited all rigs and interviewed company men & tool pushers. Compared performance of rigs and identified differences in equipment affecting performance. Effective day rate range increased \$3,500/day from base day rate range.
- Rig Rotation: Lived 8 weeks on drilling rig in South Midland Basin. Observed drilling, casing, and cementing operations. Assisted company men in daily procedures. Witnessed first conventional 3.6 mile lateral well in COP Permian history.

Concho Resources – Midland, TX
Production Engineering Intern

June – August 2020

- Project: Completed production curtailment evaluation on the economic and reliability impacts of shutting-in vs. intermittent pumping rod pump wells. Analyzed economics to model breakeven point to justify shutting-in 36 wells on Neal Ranch Prospect.
- Chickadee Field: Read pump cards, troubleshoot pumping units, worked with SCADA to automate wells in XSPOC, observed workovers such as an ESP pull and a hole in casing repair, visited a chemical lab and rod pump teardown.

LEADERSHIP & ACTIVITIES

Harold Vance Department of Petroleum Engineering
Department Recruitment Ambassador

September 2020 – Present

- Led discussions in weekly perspective student sessions for high school students interested in PETE and gave department's DI Saturday Presentation to hundreds of freshmen.

Society of Petroleum Engineers

March 2019 – Present

Director of Sophomore Retreat 2020-2021

- Lead retreat board of directors and counselors in planning a 3-day event for 40 sophomores and industry professionals.
- Spearheaded fundraising efforts amounting in \$7,500.
- Developed and facilitated virtual resume workshop for sophomores.

Career Development Committee Member

- Coordinated mock interviews and leadership workshops.

Student Bonfire
Legett Hall Crew

August 2018 – Present

- Prepare and construct materials for bonfire in remembrance of the '99 collapse.

HONORS

Joe C. & Susan D. Richardson Scholarship

- \$20,000/year

Diana S. Stepan '94 Scholarship

Dr. Doug Von Gonten Scholarship

Dean's Honor Award for Outstanding Academic Achievement