

Jacob W. Turco

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Petroleum Engineering Graduate
Theta Tau – Former President, Spring 2020
Petroleum Ventures Program, Fall 2020



EXPERIENCE

Reservoir Engineering Intern

May 2019 - August 2019
Sugar Land, TX

COVENANT TESTING TECHNOLOGIES, LLC.

- Assisted in the development of an automated flowback system through research and by contacting manufacturers
- Helped create a database that stores & displays customer flowback data in an organized manner in real-time by implementing TIBCO Spotfire
- Created a path to implement rate transient analysis after flowback has been completed

Lead Engineering Intern

May 2018 - August 2018
Sugar Land, TX

COVENANT TESTING TECHNOLOGIES, LLC.

- Designed and created equipment specification sheets using Adobe InDesign increasing customer asset awareness
- Developed surface well testing equipment P&ID drawings, using AutoCAD, per current equipment configuration confirmed through as-built drawings, photographs, and/or sketches increasing asset documentation from 3% to 100%
- Learned how to monitor and satisfy project progression and expectations by managing the engineering intern team and scheduling weekly progress update meetings with the asset and engineering managers by using Microsoft Outlook and Smartsheet software

Validation Engineer & Analyst Intern

May 2017 - August 2017
Sugar Land, TX

COVENANT TESTING TECHNOLOGIES, LLC.

- Analyzed and uploaded original equipment manufacturer data files increasing asset collaboration from 2% to 95%
- Calculated minimum wall thickness required for pressurized vessels and temporary pipework using industry standard equations and/or collaborating with piping manufacturers
- Calculated liquid and gas flow rates of flowback equipment through interpolation and MATHCAD



EDUCATION

Bachelor of Science
August 2015 - May 2020
College Station, TX

Texas A&M University
Major: Petroleum Engineering
Petroleum Ventures Program

Cumulative GPA: 3.0



ACTIVITIES

Theta Tau, Professional Co-ed Engineering Fraternity

August 2017 – Present

Tailgate Co-Chair	Fall 2018
Vice President	Fall 2019
President	Spring 2020

American Association of Drilling Engineers (AADE)

August 2017 – Present
Outreach & Recruitment Committee Spring 2018

Society of Petroleum Engineers (SPE)

August 2017 – Present



CERTIFICATION

PEC Safeland & H2S Training
July 2019

ALL STOP! Tropical Helicopter Underwater Escape Training
May 2018

IADC Drilling Industry Training: Intereq Stuck Pipe Prevention
April 2018

International Well Control Forum: Level 1 Program Completion
November 2017



PROFESSIONAL SKILLS

- AutoCAD
- Microsoft Office
- Tibco Spotfire
- CMG Software (Reservoir Engineering)
- Kappa Citrine (Decline Curve Analysis)
- Kappa Topaz (Rate Transient Analysis)



HONORS

Dean's List, Blinn College
August 2015

Presidential Scholar, Blinn College
May 2017