

RAFAEL KRISTIAN NUNEZ III

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TEXAS A&M PETROLEUM ENGINEERING CLASS OF 2020

EXPERIENCE

- **LABORATORY TECHNICIAN AT FRAC SAND LAB - LONQUIST & CO. LLC (1 YEAR)**

Performed various tests on frac sand such as crush resistance, grain size distribution, density etc.

- **RESEARCH ON NEW METHOD TO DETERMINE HYDROCARBONS-IN-PLACE**

Worked with Yucel Akkutlu (Petroleum Engineering professor at Texas A&M) to build an Excel spreadsheet that allows students to learn a new method to calculate hydrocarbons-in-place. This new method considers nanoconfinement effects on the fluid.

<https://drive.google.com/drive/folders/1NJYd094J1MtRwnIIXk3SKvCR7KQrk13j?usp=sharing>

- **SOCIETY OF PETROLEUM ENGINEERS (SPE) AND AMERICAN ASSOCIATION OF DRILLING ENGINEERS (AADE) PARTICIPANT**

Attended rig tours of on-shore Patterson UTI rigs and offshore ENSCO semi-submersible rig.

- **WILD WELL - LEVEL 1 WELL CONTROL CERTIFIED**

TECHNICAL SKILLS & (SOFTWARE)

- RESERVOIR SIMULATION (CMG SUITE)
- PRESSURE TRANSIENT ANALYSIS (ECRIN)
- WELL LOG INTERPRETATION (INTERACTIVE PETROPHYSICS)
- DECLINE CURVE ANALYSIS
- NODAL ANALYSIS
- MATERIAL BALANCE
- DATA COMPILATION (EXCEL 4+ YEARS)
- CASING DESIGN
- MUD WEIGHT CALCULATION (MUDWARE)
- FLUID PVT DETERMINATION (PVTsim Nova)
- PRMS CATEGORIZATION

AWARDS & HONORS

- **NATIONAL HISPANIC SCHOLAR**
- **TEXAS A&M NATIONAL SCHOLAR AMBASSADOR**

Student organization of National Scholars that serve as ambassadors of Texas A&M to prospective students. Have lunch w/ these students and their families.

EDUCATION

- **DEER PARK HIGH SCHOOL - GED**
- **TEXAS A&M UNIVERSITY** – (Graduated Spring 2020) Bachelor's of Science in Petroleum Engineering