

BROOKLYN M. BACCEGA

(630) 464-8898 | xobrklyn@tamu.edu

Education:

Texas A&M University

Honors Petroleum Engineering with Mathematics Minor May 2020

- Cumulative GPA: 3.72 (Magna Cum Laude)

Oilfield Experience:

Apache Corporation

Drilling Engineer Intern May 2019-August 2019

Permian Basin – Midland, TX

- Optimized tripping speeds in Midland County
Details: evaluated the effectiveness of several software (DSWellPlan, DIG, Newpark) in rheological and hydraulic modelling; conducted a sensitivity analysis for various parameters effecting ECD calculations; developed an optimized model to predict dynamic surge and swab; made a final trip speed recommendation for each landing zone
Results: 83 hrs of rig time saved, \$206 M added value
- Re-Evaluated petrophysical data in the Midland Basin to refine future mud weight windows
Details: determined stability pressures from offset logs; compared actual ECD data to optimized ECD data; met with the petrophysics team to implement improvements
Results: \$5 M/well added value
- Witnessed the process of drilling a well from spud to rig release
Details: shadowed Wellsite Supervisors at five rigs located in the Midland and Delaware Basins; logged the open hole on wireline; participated in rig moves and skidding procedures; observed spudder rig operations
Results: 21 days/14 nights spent on location
- *Additional Education:* Software Training (Wellview, Spottfire, DIG, DSWellPlan, Pason, DrillingInfo), Weatherford Shop Tour, H&P Automated Directional Drilling Seminar, Innovex Shop Tour, Newpark Drilling Fluids School, Cameron Wellhead School and Shop Tour

Production Engineer Field Intern May 2018-August 2018

Deadwood South – Garden City, TX

- Designed and implemented an artificial gas lift system
Details: analyzed multiple gas lift designs; negotiated leasing terms for a compressor; planned battery changes and piping logistics
Results: 20 BOPD increase in production, \$1.475 MM added value
- Independently operated six leases (60 wells, 450 BOPD, 4.2 MMCFD)
Details: kept up with well maintenance; analyzed pump efficiency from the POC; recorded daily production
Results: Maintained base production
- Participated in a two-stage, re-completion frac job
Details: perforated, tested, and fractured the Upper and Lower Cline zones
Results: 33 BOPD/44 MCFD incremental production, \$342 M added value
- *Additional Education:* Software Training (Scout, DataNOW, Rodstar, CygNet, Xspoc, Avocet), Ariel Compressor Operations Certification, Apergy Gas and Plunger Lift School, Facilities Training, Don-Nan Rod Pump School

Other Experience:

Texas A&M University

Teacher's Assistant January 2017-May 2017

College of Science – College Station, TX

- *Details:* lead group study hours; assessed students' performance through weekly, individual meetings
Results: 100% of students on academic probation returned to good standing

Leadership:

Student Mentor – Society of Petroleum Engineers
Director of Scholarship – Delta Gamma Sorority

Awards:

Recipient of J W Van Dyke & Lechner Scholarships (Full A&M Tuition)
Society of Petroleum Engineers Student Paper Contest Third Place Winner
Delta Gamma 2018 "Five-Star Sister" Award
Dean's Honor Award