

Mohammad Masalmah (U.S. Citizen)

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EDUCATION

Texas A&M University

Bachelor of Science in Petroleum Engineering

GPA: 3.95

College Station, Texas

May 2020

EXPERIENCE

SOCAR-AQS, Offshore Drilling and Well Services Company

Azerbaijan

Drilling Engineering Intern

June - August 2019

- Reviewed daily drilling reports and wrote weekly and end of well reports on operational progress and NPT issues
- Analyzed 11 offset wells to design and prepare new wellbore drilling plans
- Studied casing cementing programs provided by service companies; Schlumberger and Halliburton
- Wrote VBA programming scripts to calculate the most recent ROP based on daily drilling reports and then forecast time of next casing points and drilling completion of every section of wellbore
- Evaluated casing cement job employing well logs such as CBL, VDL, and BI
- Spent 10 days on Bulla 6 offshore platform in the Caspian Sea to monitor drilling operations, and visited 3 Rig Bases used to supply and maintain all necessary drilling components

Additional Tasks Accomplished (Petrophysics):

- Performed interpretations and analysis on Logs like Gamma Ray, Resistivity, and Density Porosity to estimate Shale Volume, Water Saturation, Permeability, etc.
- Used Sonic Logs to estimate pore pressure, and estimated fracture pressure using Eaton's method and Poisson ratio obtained from Sonic logs to select the optimum mud weight
- Obtained basic training on Petrel and 3-D modeling

Co-Author of SPE Paper #198348-MS: *"The Heaviest and Longest 13 3/8" Full-String Casing Run in the Caspian Sea Region". (Oct 2019)*

- Analyzed a 13 3/8" full-string casing run operation to a depth of 5093m (16709ft)
- Demonstrated the economical and technical integrity benefits of using full-string casing as opposed to using liner hanger and tie-back using real data of offset wells
- Evaluated casing running simulations, pressure surge (at casing shoe) during casing tripping in, and kick tolerance of long open-hole sections

SKILLS

Microsoft Office Suite

Petrel: Basic

CMG

VBA (Excel) Programming

Interactive Petrophysics (IP)

Ecrin

RELEVANT COURSEWORK

Reservoir Modeling

Well Testing

Drilling Engineering

Reservoir Simulation

Formation Evaluation

Production Systems

LEADERSHIP AND INVOLVEMENT

- Participating remotely in preparing and organizing the Business Case Competition in Azerbaijan
- Customer Service Supervisor at Walmart# 2996 from February to August 2017

On-Campus:

- Co-chair in the Academic Development, the American Association of Drilling Engineers (AADE)
- Society of Petroleum Engineers (SPE)