

# ALI OSHAISH

*PhD Student - Petroleum Engineering*

## PROFESSIONAL SUMMARY

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PhD student in Petroleum Engineering with over 13 years of oil and gas industry experience in process optimization, quality assurance, and team leadership. Demonstrated expertise in developing cutting-edge laboratory setups, streamlining manufacturing workflows, and executing complex field service operations. Known for driving measurable results, publishing scientific papers, and abiding to the "excellence in the execution" standards. Passionate about advancing research capabilities and delivering innovative solutions in the energy sector. I am looking for a challenging internship opportunity in one of the leading companies in the energy sector where I can exploit my petroleum engineering knowledge and field experience to resolve the challenges associated with characterizing the unconventional shale reservoirs for oil and gas production as well as CO<sub>2</sub> storage and sequestration.

## EMPLOYMENT HISTORY

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### LABORATORY ENGINEER

*College of Petroleum Engineering and Geosciences at King Fahd University of Petroleum and Minerals*

**Jan 2022 - Jul 2024**  
*Dhahran, Saudi Arabia*

- ◆ Developed and implemented cutting-edge laboratory setups and enhancing the department's research capabilities in formation evaluation and petrophysics.
- ◆ Facilitated knowledge transfer and empower young professional with industry-relevant skills through delivering Techlog Software Training and specialized well logging lectures.
- ◆ Spearhead innovative projects funded by Saudi Aramco and the university and driving measurable results through strategic planning and execution.
- ◆ Contributed to the scientific production of the department through publishing patents and papers.

### MANUFACTURING ENGINEER

*Cameron - A Schlumberger Company*

**Dec 2020 - Jan 2022**  
*Khobar, Saudi Arabia*

- ◆ Streamlined the manufacturing and maintenance workflows for surface completion and hydraulic fracturing systems. Conduct in-depth analysis to identify bottlenecks and implement solutions.
- ◆ Worked within a team on a project to optimize manufacturing processes, reduce production time, enhancing product quality which end up with reducing the lead time of 80% of shop's activities by 40% and cutting the number of non-conformances rate to half.
- ◆ Worked on a project standardize shop activities through creating standard work instruction and train the floor hands on the implementation.

### FIELD SERVICE ENGINEER - WELLHEADS AND SURFACE COMPLETION

*Cameron - A Schlumberger Company*

**Oct 2015 - Oct 2020**  
*Khobar, Saudi Arabia*

- ◆ Executed the installation, commissioning and maintenance works on wellheads, hydraulic fracturing trees and surface completion systems.
- ◆ Won the Schlumberger's KSA Excellence Award in recognition to service quality record of completing 3 years with zero non-productive time.
- ◆ Selected among a team to attend the stack up test of a special wellhead system designed for Aramco and to execute the first installations in the kingdom.

### SENIOR FIELD ENGINEER - WIRELINE

*Schlumberger*

**Jan 2011 - May 2015**  
*Saudi Arabia and Yemen*

- ◆ Started as junior field engineer in one of the busiest oil and gas fields worldwide. Promoted to a broken-out field engineer in less than one year.
- ◆ Ran wireline tools for rocks petrophysical characterization and well integrity evaluation.
- ◆ Promoted to a senior field engineer in Aug-2014.
- ◆ Assigned to high profile wireline operations and advanced logging services. Managed the wireline operations in Marib, as an engineer-in-charge.
- ◆ Mentored and trained junior field engineers arrived at the location.
- ◆ Received 4 intensive courses related to wireline operations.

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## SKILLS

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Process Optimization, Quality Assurance, Team Leadership, Matlab, Techlog, CMG, JewelSuit, Research Methodology.

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## EDUCATION

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### PHD IN PETROLEUM ENGINEERING

*The University of Texas At Austin*

Aug 2024 - Present

*Austin, TX*

My research's area of interest is enhancing the petrophysical characterization of unconventional shale reservoirs for monitoring the CO<sub>2</sub> migration.

### MASTER'S DEGREE IN PETROLEUM ENGINEERING (PART-TIME)

*King Fahd University of Petroleum and Minerals*

Sep 2021 - Jan 2024

*Dhahran, Saudin Arabia*

- ◆ Graduated with a GPA of (3.96 out of 4).
- ◆ Published 3 peer-reviewed articles, 5 conference papers and 2 posters.
- ◆ Filed 3 patents which are under final processing by the KFUPM Innovation and Technology Transfer.
- ◆ Submitted 2 more peer-reviewed articles which are under review.
- ◆ Completed short courses in JewelSuite, Petrel, Techlog and CMG.

### BACHELOR'S DEGREE IN PETROLEUM ENGINEERING

*King Fahd University of Petroleum and Minerals*

Jan 2006 - Aug 2010

*Dhahran, Saudi Arabia*

- ◆ Graduated with 1st. honors standing (GPA: 3.98 out of 4).
- ◆ Received the College of Engineering Science Outstanding Student Award in 2009.
- ◆ Active member of the Dean's Advisory Council of the petroleum engineering department.
- ◆ Active member of the KSA chapter of the Society of Petroleum Engineers (SPE)

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## LANGUAGES

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English (*Highly proficient*), Arabic (*Native*).

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## SELECTED PUBLICATIONS

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- ◆ Oshaish, A., Hassan, A., Mahmoud, M., El-Husseiny, A., Al-Ofi, S., & Al-Yaseri, A. (2023). Evaluating the rock wettability using multi-frequency dielectric measurements: A review on the fundamental concept and experimental approach. *Journal of Petroleum Science and Engineering*, 220, 111177.
- ◆ Badhafere, D., Kirmizakis, P., Oshaish, A., El-Husseiny, A., Mahmoud, M., Ntarlagiannis, D., & Soupios, P. (2023). Detection of Iron Disulfide Materials in Geological Porous Media Using Spectral Induced Polarization Method. *SPE Journal*, 28(06), 3409-3418.
- ◆ Oshaish, A., Alnuaim, S., Hassan, A., & Mahmoud, M. (2023, October). A New Inflow Performance Relationship for Shale Gas Reservoirs Using Well Logs and Geochemistry Data. In *Abu Dhabi International Petroleum Exhibition and Conference* (p. D021S052R003). SPE.
- ◆ Oshaish, A., & Weijermars, R. (2023, October). Fracture Propagation-Rate and Fracture Half-Length Estimated for an Individual Fracturing Stage Using Dynamic Balancing of Fluid Pressures: Eagle Ford Case Study. In *ARMA/DGS/SEG International Geomechanics Symposium* (pp. ARMA-IGS). ARMA.