

# Gurban Hasanov

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Petroleum engineer with hands-on-experience in field operations, reservoir engineering and core analysis. Currently pursuing a Master's degree at the University of Oklahoma, focusing on underground gas storage research. Proven expertise in technical analysis, data visualization.

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## Professional Experience

### University of Oklahoma | Norman, OK

#### *Graduate Teaching Assistant* | Aug 2023 - Present

- Assist students with engineering courses and lab sessions.
- Hold office hours, grade assignments, quizzes, and exams.

#### *Graduate Research Assistant* | May 2025 – Aug 2025

- Worked at Integrated Core Characterization Center (IC<sup>3</sup>) and characterized reservoir and seal samples from Temblor and Gould formations in San Joaquin Basin in California.
- Used and analyzed data from different tools including but not limited to NMR Analyzer, Micromeritics Gas Pycnometer, MICP, AP-608 Automated Porosimeter-Permeameter.

### Senslytics | Remote, OK

#### *Petroleum Engineering Intern* | Oct 2024 – May 2025

- Collected and collated data from mud gas logs, LWD logs, and PVT reports for analysis by ResVoiR<sup>X</sup> for Gulf of America and North Sea fields.
- Developed and maintained data visualizations and charts using Python.

### Shell | Houston, TX

#### *Reservoir Engineering Intern* | May 2024 – Aug 2024

- Developed theoretical background on Pressure Transient Analysis (PTA).
- Created PTA  $K_{abs}$  vs Log  $K_{abs}$  correlation for Gulf of America fields.
- Used KAPPA Workstation to analyze some of existing pressure build up interpretations and did interpretation as well.

### SOCAR | Azerbaijan

#### *Offshore Field Engineer* | Caspian Sea | Feb 2023 – Aug 2023

- Organized training for the drilling and well intervention personnel for emergency situations.
- Delivered technical presentations and controlled and monitored ongoing operations.
- Prepared daily reports for management.

#### *Well Control Engineer* | Qum Island | Nov 2021 – Feb 2023

- Involved in complex well abandonment processes, did well integrity tests.
- Worked with a team to create Service Quality Plan and to get API Q2 certificate for the department.

#### *Petroleum Engineering Intern* | Baku | Jun 2019 – Jul 2019

- Involved closely in drilling procedures, drilling problems handling, cementation and completion processes.

#### *Petroleum Engineering Intern* | Chilov Island | Jun 2018 – Jun 2018

- Dealt with reservoir pressure maintenance methods, involved in drilling procedures, production problems handling, work and safety culture familiarization.

#### *Petroleum Engineering Intern* | Oil Rocks | Jun 2017 – Jun 2017

- Acquired hands-on-experience with oil and gas production systems and tools.

## Education

- **University of Oklahoma** | Norman, Oklahoma, USA  
M.S. in Petroleum Engineering | Expected December 2025 | GPA:3.9  
*Project: Evaluation of Underground H<sub>2</sub> storage in Temblor and Gould formations in California using CMG.*
- **Baku Higher Oil School** | Baku, Azerbaijan  
B.S. in Petroleum Engineering | May 2020 | GPA: 91.41/100

## Publications

### Technical Papers

- *Application of Distributed Temperature Sensing (DTS) in Geothermal Wells, SGP-TR-227*
- *Thermal and Flow Modeling of Gas Lift Applications in Liquid-Dominated Geothermal Wells, SPE-220717-MS*
- *Geothermal Direct-Use Application for Greenhouse Heating: Case Study of Osage Tribal Nation, GRC Transactions, Vol. 48, 2024*

## Affiliations

- Member of the Society of Petroleum Engineers (SPE)
- Member of the Society of Petrophysicists and Well Log Analysts (SPWLA)
- Member of the Society for Collegiate Leadership & Achievement

## Volunteering

- Vice President, SPWLA Student Chapter, University of Oklahoma (2025-2026).

## Awards and Certifications

- Winner of Technical Track, Geothermal Collegiate Competition (DOE, 2023)