

Kaci Midoun

Senior Wellsite Geologist / Operations Geologist

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Senior Wellsite and Operations Geologist with more than 14 years in exploration and drilling operations, combining strong wellsite geology expertise with applied geosteering experience. Skilled in geological monitoring, drilling risk assessment, and real-time decision support. Worked with StarSteer, GWC, and proprietary correlation tools to support well placement across both conventional and unconventional reservoirs. Proven ability in log analysis, cuttings evaluation, subsurface data integration, and multidisciplinary collaboration. Recognized for delivering accurate geological insights that optimize drilling efficiency, reduce risks, and improve reservoir understanding. Currently leveraging this combined expertise to advance into dedicated geosteering and reservoir navigation roles.

EXPERIENCE

Data Manager

Nov 2025 - Present

Sonatrach | Boumerdes, Algeria

- Data Integrity: Oversee the gathering and rigorous Quality Control (QC) of Sonatrach Exploration Data Bank.
- Query Management: Execute complex data queries to provide high-fidelity geological assets to exploration teams.
- Optimization: Ensure seamless data availability and accuracy to support upstream decision-making.

Department Coordinator

Jan 2024 - Nov 2025

Sonatrach | Hassi Messaoud, Algeria

- Applied advanced geosteering workflows with StarSteer and MWD/LWD data to optimize wellbore placement in conventional and unconventional exploration wells
- Directed geological operations and coordinated multidisciplinary teams
- Led risk assessment, well planning, and integration of geosteering workflows
- Implemented quality standards and ensured regulatory compliance
- Streamlined geological reporting and stakeholder communication

Operations Geologist

Sep 2022 - Jan 2024

Sonatrach | Hassi Messaoud, Algeria

- Delivered real-time geosteering support for horizontal wells
- Optimized well placement through collaboration with drilling and reservoir teams
- Performed offset analysis, stratigraphic correlation, and well planning
- Provided operational recommendations based on real-time LWD/MWD data

Wellsite Geologist

Apr 2014 - Sep 2022

Sonatrach | Hassi Messaoud, Algeria

- Acted as Sonatrach geological representative on drilling rigs
- Conducted cuttings analysis, gas monitoring, and well correlations
- Supervised coring operations and validated logging results
- Produced daily reports, composite logs, and final well reports

Graduate Trainee Petroleum Geologist

Oct 2011 - Nov 2013

Sonatrach | Boumerdes, Algeria

- Completed professional training in petroleum geosciences
- Gained experience in reservoir geology, drilling, and formation evaluation
- Participated in seismic interpretation and geostatistical modeling

Supervisor Geotechnical Engineer

May 2010 - Oct 2011

Geotechnique du Maghreb | Algiers, Algeria

- Supervised drilling and geotechnical investigations
- Conducted borehole logging, soil/rock analysis, and in situ testing
- Delivered geotechnical reports and design recommendations

EDUCATION

Graduate Professional Program - Petroleum Geosciences

Oct 2011 - Nov 2013

Algerian Petroleum Institute (IAP) | Boumerdes, Algeria

- Specialized in petroleum geology, reservoir characterization, well operations, mud logging, and core analysis.

Capstone project: Reservoir characterization and geostatistical modeling of Ordovician reservoirs.

Engineer Degree in Geology

Sep 2004 - Feb 2010

University of Science and Technology Houari Boumediene (USTHB) | Algiers, Algeria

- Comprehensive education in geology, sedimentology, stratigraphy, structural geology, and geophysics.

Completed field mapping, geological surveys, and engineering applications of geology.

TECHNICAL & SOFT SKILLS

Geosteering	Reservoir Navigation	Real-Time Drilling Data	Operations Geology
Wellsite Geology	Formation Evaluation	Geological Correlation	Core Analysis
Mud Logging	Petrophysics	Reservoir Characterization	Unconventional Resources
WITSML Data	Resistivity Inversion	Python	HTML
Database Development	GIS (ArcGIS	MapInfo)	Petrel
Surfer	Team Leadership	Project Management	Technical Reporting
Problem Solving			StarSteer
			Data Analysis
			SQL
			Techlog

PROJECTS

Desktop Solutions – Directional Drilling, Geosteering & Well File Data Management

Jan 2025 - Present

Independent Developer & Advanced Geosteering User

- Developed desktop tools for geosteering, directional drilling workflows, and automated well file management.

g6tools.com – Geological Information Platform [<https://g6tools.com>]

Jan 2024 - Present

Founder & Developer

- Developed a digital platform for geological data visualization
- Built interactive mapping and dashboards for drilling and exploration
- Integrated with corporate databases for real-time reporting

Multiuser Geological Database

Jan 2019 - Present

Lead Developer

- Created a geological database system (MS Access + VBA)
- Automated reporting, plots, and statistics for operations
- Improved data accessibility and collaboration across teams

Reservoir Characterization & Geostatistical Modeling

May 2013 - Nov 2013

Petroleum Geologist

- Updated static reservoir models of Ordovician units in TFT field
- Integrated geological and petrophysical data in Petrel for advanced modeling
- Delivered recommendations to optimize reservoir understanding and field development

ACHIEVEMENTS & AWARDS

Top 10, Geosteering World Cup 2025 (ROGII)

Sep 2025

- Achieved 8th place in a global geosteering competition, recognized for advanced reservoir navigation and real-time interpretation skills.

CERTIFICATIONS & LICENSES

SAP Technical Training – Petroleum Applications Algerian Petroleum Institute	Jan 2025
ArcGIS Pro Certification GISMED	Dec 2024
Shale Gas Fundamentals IAP Boumerdes	Jun 2020

LANGUAGES

English (Advanced), French (Fluent), Arabic (Native)