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MULTI SERVICES LTD

Falcon Multi Services Ltd

201, Creado, Juhu Chruch Road, Juhu Mumbai 400049

Personal Information

Candidate id	9650
Name	Abdelhady Abdelhamid Mahmoud
Date of Birth	1997-11-23
Salary (in USD)	100/Per Day
Industry	Oilfield Services
Sub Industry	MWD / LWD
Nationality	Egypt
Primary Language	Arabic,
Secondary Language	English,
Total Years of Experience	4

Additional Information

Roles and Responsibilities	Additional Skills/Certification
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A mud logger is a specialized oilfield technician who monitors drilling operations in real-time, functioning as the "eyes and ears" of the rig by analyzing rock cuttings and drilling fluids. Their key responsibilities include collecting and analyzing geological samples, monitoring gas levels (via gas chromatography), tracking drilling parameters (like torque, pressure, and speed), maintaining logging sensors, and generating daily mud logs, which are vital for identifying potential reservoirs, ensuring safety, and optimizing drilling efficiency.

Key Roles and Responsibilities:

- Sample Collection and Analysis:** Regularly collect rock cuttings from the shale shaker, clean them, and analyze their lithology (rock type, mineralogy, hydrocarbon fluorescence) under a microscope to determine the formation being drilled.
- Real-Time Data Monitoring:** Monitor drilling parameters such as rate of penetration (ROP), pump pressure, mud flow rates, and torque, often using automated logging systems to detect anomalies.
- Gas Detection and Evaluation:** Utilize gas chromatography equipment to detect total hydrocarbons and analyze gas ratios (methane through pentane) to identify potential hydrocarbon reservoirs and assess hydrocarbon-bearing potential.
- Safety Monitoring (Gas Kicks/H2S):** Detect and alert the drilling team to early warning signs of hazards, including gas kicks (uncontrolled influxes) or over-pressurized zones, to prevent blowouts.
- Reporting and Documentation:** Create, update, and maintain detailed, accurate logs and reports (e.g., mud log, daily geological report) that correlate depth, lithology, and hydrocarbon shows.
- Equipment Maintenance:** Rig up, calibrate, and perform routine maintenance on sensors, gas analyzers, and computerized data logging systems.
- Wellbore Integrity:** Monitor hole and pipe displacements, such as during "trips" (moving the drill string in/out of the hole), to ensure well stability.

Commonly Used Tools & Techniques: Binocular Microscopes for visual lithology classification. Ultraviolet (UV) fluorescence scanners to detect hydrocarbons. Gas chromatography and total gas analyzers. Data logging software to record geological and engineering data.

HSE" from ECS. • "Basics of Geology & Mud Logging" training course from ECS. • "Geology of Egypt" Course from Egyptian authority for remote sensing and space sciences. • "Seismic, earth gravity, geodesy, earth's electricity and magnetism" Course from Egypt national research institute. • "Orientation To Oil And Gas Industry" Course from Geo Skills foundation. • "ICDL" Course from Egyptian center for training. • "English (General)" Course from Egyptian center for training. • "Human Resources Development "Course from Egyptian center for training. • "Innovation camp" from Egyptian ministry of youth.

Education Summary

Course	University	Passing Year	Country
Geology	Helwan University	2021	Egypt

Career Summary

Position	Employer	Country	From	To
Mud logger	Electronic construction service	Egypt	05/2023	04/2026

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