

MAYANK ROY

Production / Operations Engineer

MS Petroleum Engineering • Permian Field Operations • Well Surveillance • Engineering Data
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U.S. Permanent Resident — no sponsorship required • Available immediately • Open to relocation

PROFESSIONAL SUMMARY

Petroleum engineer (MS, New Mexico Tech) with seven-plus years on active Delaware and Midland Basin operations and three years building the data systems engineering teams run on. Strong on the operating side of the job: well surveillance, offset correlation, hole and equipment problems, vendor coordination and the reporting that keeps an asset team informed. Looking for a production or operations engineering seat where field judgment and data work both count.

CORE SKILLS

Engineering	Production and reservoir engineering fundamentals • decline-curve basics • formation evaluation • well performance and workover review • AFE and LOE data
Field Operations	Drilling and wellsite operations • well control surveillance • hole cleaning, losses and influx response • sensor and equipment troubleshooting • vendor and crew coordination
Data & Analytics	Power BI (DAX, Power Query) • SQL Server / MySQL / PostgreSQL • Python (pandas) • Excel + VBA • automated reporting
Subsurface	Bone Spring • Wolfcamp • Delaware Sands • Avalon • Spraberry • Yeso • San Andres • mud log, LWD/MWD and directional survey data
Safety & Conditions	PEC SafeLand and H2S Awareness (field tenure) • 12-hour tours • remote NM and TX locations

PROFESSIONAL EXPERIENCE

Data & Automation Engineer (Independent) 2025 – Present

Agentroy | Remote

- Developing CompanyMan (cm.agentroy.xyz), a rig-site reporting tool that reads photographed tank boards and mud reports and returns a formatted daily report plus a mobile dashboard.
- Build and operate production data pipelines in Python and SQL against client SQL Server databases — ingestion, validation, transformation and import-ready output, with an audit trail on every automated decision.
- Designed operate-by-exception workflows: known cases are processed automatically and anomalies are escalated with context — the same pattern production surveillance teams use on well data.

Quality Assurance Manager

Aug 2025 – Nov 2025

GeoTek USA | Field projects

- Owned quality assurance across field projects — on-site inspections verifying execution against project plans and quality standards, catching issues before they reached the client.
- Coordinated field crews, office teams and clients; escalated deviations early and drove corrective actions to closure.

Senior Wellsite Geologist / Mud Logging Unit Supervisor & Power BI Report Developer

Feb 2023 – Apr 2025

EDGE Services | Midland & Odessa, TX • Carlsbad & Jal, NM

- Senior man on the mud logging unit for horizontal Bone Spring and Wolfcamp wells in the Delaware and Midland Basins; technical contact between the rig floor, the operator geologist and the company man through 12-hour tours.
- Supported kick-off, landing and casing-point decisions from sample and log correlation, and issued real-time show calls that fed coring, testing and completion decisions.
- Provided continuous well control surveillance and escalated influx, lost circulation and hole-cleaning problems to the driller and company man.
- Quality-checked mud log, LWD/MWD and directional survey data before client delivery — caught depth, lag and sensor discrepancies at the source rather than downstream.
- Designed and maintained Power BI dashboards over real-time drilling and geological data — formation tops, mud log, LWD/MWD, directional surveys, cuttings and gas shows — for engineering teams, management and operator clients.

Wellsite Geologist / Mud Logger

Aug 2017 – Jan 2023

Weatherford International • Paladin Geological Services • Selman & Associates | SE New Mexico & West Texas

- Worked Delaware Basin horizontals across Eddy and Lea Counties, NM (Carlsbad, Jal, Loving, Artesia, Hobbs) and Midland Basin wells out of Midland and Odessa, TX.
- Caught, washed and described cuttings at prescribed intervals; correlated to offset logs to call formation tops and confirm landing depth.
- Monitored pit volume, flow-in/flow-out and trip tank for kick detection; reported lost-circulation zones through Rustler/Salado salt and fractured intervals.
- Operated and calibrated gas chromatographs (C1-C5); monitored total, connection, trip and background gas; used gas-ratio analysis for pay identification; monitored H2S and alarm response.

Senior Systems Engineer

Mar 2012 – May 2014

Infosys Ltd. | India

- Developed and maintained database-driven enterprise applications in SQL and PL/SQL — queries, stored procedures and reports against production systems.

EDUCATION

Master of Science, Petroleum Engineering — New Mexico Institute of Mining and Technology (New Mexico Tech), Socorro, NM

Bachelor of Technology, Applied Petroleum Engineering — University of Petroleum & Energy Studies (UPES), Dehradun, India

ADDITIONAL

Ramping up on: PHDWin, ARIES, XSPOC, WellView, Prosper/PipeSim, artificial-lift design.

Field credentials: PEC SafeLand Basic Orientation and H2S Awareness held throughout field tenure (ready to renew before start)

- Valid driver's license • Able to pass drug screen and background check.

Portfolio: oil.agentroy.xyz • cm.agentroy.xyz • data.agentroy.xyz • geo.agentroy.xyz