

NaviTrak UT overcomes formation challenges to decode EM signal across 20,000 ft lateral, with no antenna drop required

CHALLENGES

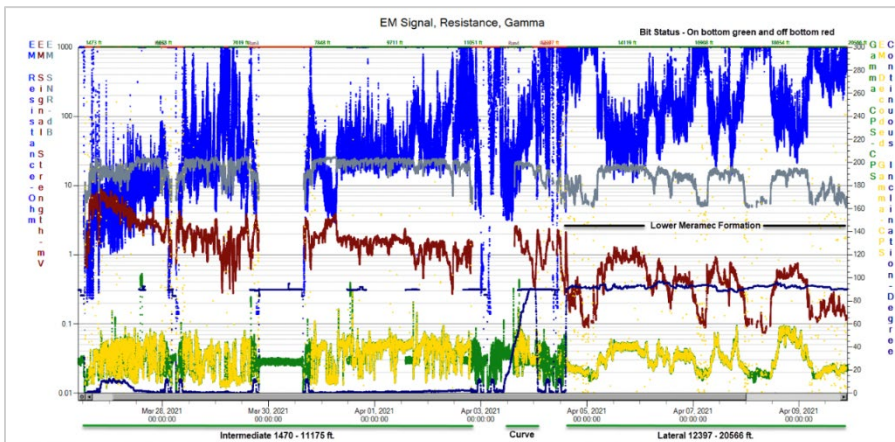
- Decode EM telemetry through entire well with a 20,000+ ft (6,096+ m) lateral
- Overcome decoding challenges caused by salt, anhydrite, and limestone formations above the lower Meramec target zone
- Avoid the cost and HSE risks of dropping an antenna in an offset well to overcome formation issues that cause EM decoding challenges

SOLUTION

- [NaviTrak™ UT directional and gamma MWD service](#) was deployed to:
 - Overcome formation-related issues that prevent other EM tools from deploying successfully in the area
 - Decode at a low power setting (5 watts), with the flexibility to downlink to 10, 20, or 30-watt power settings when higher decoding rates are needed

RESULTS

- Finished decoding EM signal in a 4-Hz/4-cycle/5-watt tool configuration in the lateral at more than 20,000 ft (6,096 m)
- Successfully decoded EM telemetry with ground antennas, with no 3rd-party antenna drop required
- Helped optimize operating expenses, maintain high data quality, and eliminate HSE risks associated with antenna drop



NaviTrak UT's post-run software displays EM signal strength, resistance, and gamma across the entire well