

NaviTrak UT increases drilling efficiency in SCOOP and STACK wells by acquiring formation data with both EM and mud pulse telemetry

CHALLENGES

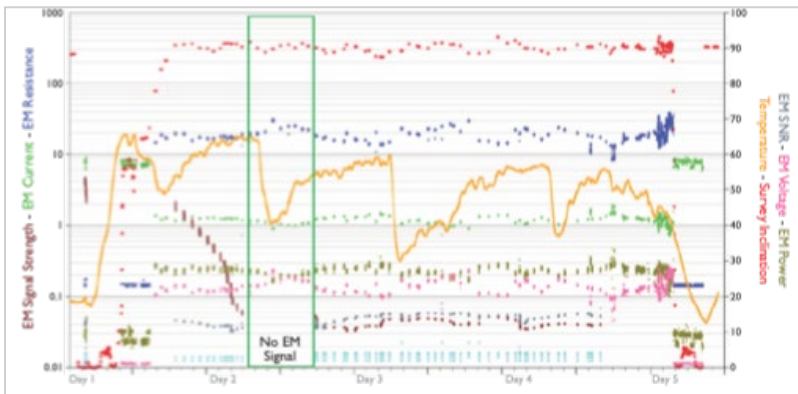
- Anhydrites and salt stringers scattered throughout local formations in Oklahoma's SCOOP and STACK plays create signal losses in EM telemetry tools
- While EM telemetry provides faster data rates to allow for faster drilling, the risk of pulling out of hole (POOH) for MWD was too great to rely on EM alone
- Client required high data rates through their SCOOP and STACK wells, beginning in Kingfisher County, to provide reliable data transmission, reduce downtime, and maximize rate of penetration (ROP)

SOLUTION

- [NaviTrak™ UT directional and gamma MWD service](#) was deployed to:
 - Provide simultaneous EM and mud pulse telemetry and offer the flexibility of receiving critical data through either service
 - Collect accurate formation data in challenging drilling sections, even in high shock and vibration environments
 - Continue logging the well during drilling, without the need to POOH for MWD when the EM signal was lost

RESULTS

- Reliably received critical data throughout the entire well to maximize ROP
- Provided 100% uptime to save drilling time and costs through proactive wellbore management
- EM Surveys decoded at a 90% success rate in the STACK, saving 3-5 minutes of idle time during each connection compared to a typical mud pulse survey



NaviTrak UT allowed the directional team to rely on mud pulse when the EM signal was lost, eliminating the need to POOH for MWD or spend time downlinking to change telemetry.