

CHALLENGE

Client wanted EM telemetry throughout their SCOOP & STACK wells, starting in the Kingfisher County, to provide reliable transmission of critical data, reduce downtime and maximize ROP.

SOLUTION

EvoOne's Unified Telemetry provides reliable industry leading EM, with Mud Pulse as a backup, and the flexibility of receiving critical data on EM or Mud Pulse channels.

OUTCOME

1. EvoOne provided 100% uptime through entire well.
2. EM Surveys decoded at a 90% success rate in the STACK.
3. Reliably received critical data throughout entire well.

Formations in SCOOP and STACK Typically Rule Out EM Telemetry

Stand-alone EM Telemetry tools are not a realistic option in the SCOOP and STACK plays due to the typically guaranteed loss of signal from the anhydrites and salt stringers scattered throughout the local formations. The risk of POOH for MWD is too high to rely solely on EM Telemetry, even though the higher data rates, when compared to Mud Pulse, allow for faster drilling. EvoOne addresses this risk by providing the end user with highly reliable Mud Pulse and EM Telemetry systems that are able to run concurrently in one 13.7ft (4.18m) tool.

Reliability is King

The design of the EvoOne tool dramatically increases reliability which means lower non-productive time and lower risk of POOH for MWD failures. High shock and vibration environments do not limit EvoOne's operational envelope, allowing the Client's needs to be met from start to finish of the well. EvoOne has a record of over 99% uptime in the toughest environments. The Client, drilling in the Kingfisher County, was able to take advantage of the tool's industry leading reliability to maintain constant Continuous Inclination; they were able save time and production costs through pro-active well bore management.

EvoOne Helped Increase Efficiency Throughout Well

With EM Surveys decoding at a 90% success rate in the Kingfisher County, EvoOne was able to dramatically reduce idle time during connections saving 3-5 minutes, each connection, as compared to a typical Mud Pulse survey. In addition to the time saved at each connection, EvoOne allowed the directional team to rely of Mud Pulse through EM challenging zones eliminating the need to POOH for MWD or spend time downlinking to change telemetry.

EM Signal & Transmission Data, Temperature and Inclination

