

# NaviTrak UT optimizes two-well pad drilling with higher data rates and increased reliability

## CHALLENGES

- Deliver reliable EM telemetry to optimize drilling on two-well pad
- Boost data rates and signal quality in Spraberry formation with history of EM signal loss or degradation
- Minimize nonproductive time (NPT) associated with loss of EM signal in lateral sections with formation interference
- Increase mud-pulse data transmission compared to conventional pulse tools

## SOLUTION

- Baker Hughes deployed its [NaviTrak™ UT directional and gamma MWD service](#) to provide:
  - Multimode telemetry for simultaneous EM and mud pulse on independent channels
  - Higher data transmission rates versus conventional mud pulse
  - The ability to decode on mud pulse if the EM signal is lost due to formation interference

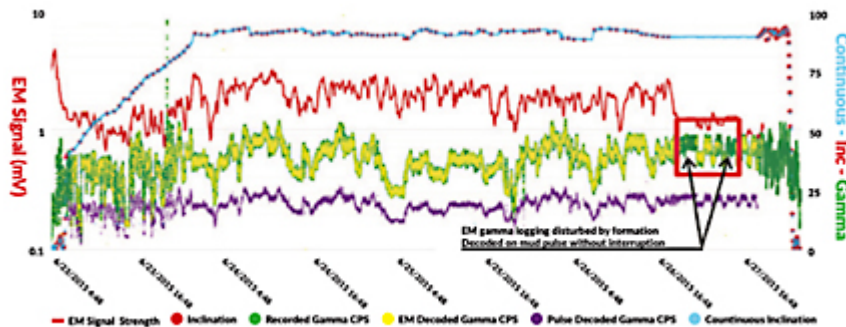
## RESULTS

Drilled two wells to measured depths of 14,994 ft and 15,953 ft, respectively

Eliminated NPT by allowing drilling to continue despite temporary EM signal loss

Achieved data rates

of 7.04 bits per second, significantly higher than previous pulse tools (0.5 to 1.0 bits per second)



NaviTrak™ UT allowed drilling to continue when formation blind spots were encountered. While the EM signal was interrupted, the operator drilled ahead by decoding the mud pulse telemetry data.