

NaviTrak UT helps break vertical section drilling record in Eagle Ford, drills curve and lateral in less than six days and in one run

CHALLENGES

- Drill the curve and lateral of an extended horizontal well through the Austin Chalk at 20,033 ft measured depth
- Drill vertical section to 13,511 ft
- Maintain directional drilling control despite risk of electromagnetic (EM) signal interference in long lateral
- Drill sections in one run and in six days or less, representing record time in the Eagle Ford

SOLUTION

- Baker Hughes deployed its [NaviTrak™ UT directional and gamma MWD service](#) to overcome formation-related issues that prevented successful deployment of other EM tools
 - Uses unified telemetry to simultaneously send EM and mud-pulse telemetries on two independent channels
 - Transmits high-resolution EM data on hole inclination, azimuth, and toolface orientation in real-time
 - Switches over to mud pulse if EM telemetry is interrupted to continue receiving directional and gamma data

RESULTS

5.9 days

to drill curve and lateral with a record-setting distance of 16,177 ft

One run

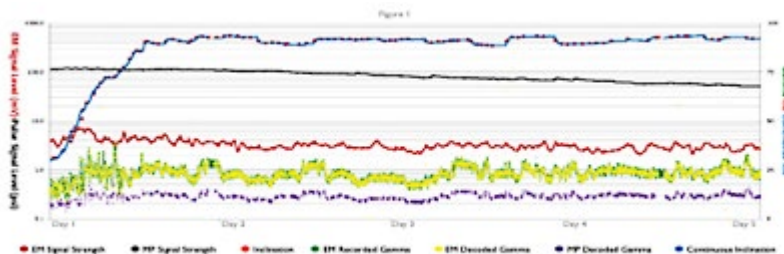
to drill curve and lateral, from 3,586 ft to 20,033 ft at TD

95%+ decoding

on EM and 97% on mud pulse in the curve and lateral

10X faster

data transmission rate compared to conventional mud pulse



NaviTrak™ UT collects and transmits a range of data while drilling to maintain directional control and higher drilling rates.

[bakerhughes.com](https://www.bakerhughes.com)

Copyright 2024 Baker Hughes Company. All rights reserved.

Baker Hughes 