

TECH REPORT

REAGAN COUNTY, TEXAS

SUGG A 157 #4SM

Formation	Upper Wolfcamp
Lithology	Shale with interbedded limestone and minor layers of calcareous sandstone
Footage	13,602 ft [4,146 m]
Interval	8½ in
ROP	125 ft/h [38 m/h]

Background

The operator faced drilling challenges using conventional motor BHAs in the Permian Basin, experiencing drag in extended lateral sections. Schlumberger suggested using the PowerDrive Orbit* RSS and the TelePacer* modular MWD platform to combat these challenges.

Technology

- PowerDrive Orbit RSS
- TelePacer modular MWD platform

Schlumberger

Operator Drills Longest Lateral Interval in the Permian Basin Using PowerDrive Orbit RSS

Single BHA used to drill 13,602 ft with an average ROP of 125 ft/h



The PowerDrive Orbit RSS enabled the operator to drill the 8½-in lateral interval in a single run to 13,602-ft MD at an average ROP of 125 ft/h. This is the longest lateral drilled in the Permian Basin with a single BHA. The closed-loop inclination and azimuth control, along with the new pad design, provided enhanced trajectory control.

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