

THE SCIENTIFIC WAY – BEST OF THE BEST IN WEST TEXAS

PERMIAN BASIN CASE HISTORY

APPLICATION

Drilling Optimization and Advanced Technology

TECHNOLOGY

TiTAN22 Motors, Falcon MP MWD, Sci-Gamma, Pressure-While-Drilling and Motive Technologies

LOCATION

Glasscock County, TX

CUSTOMER CHALLENGE

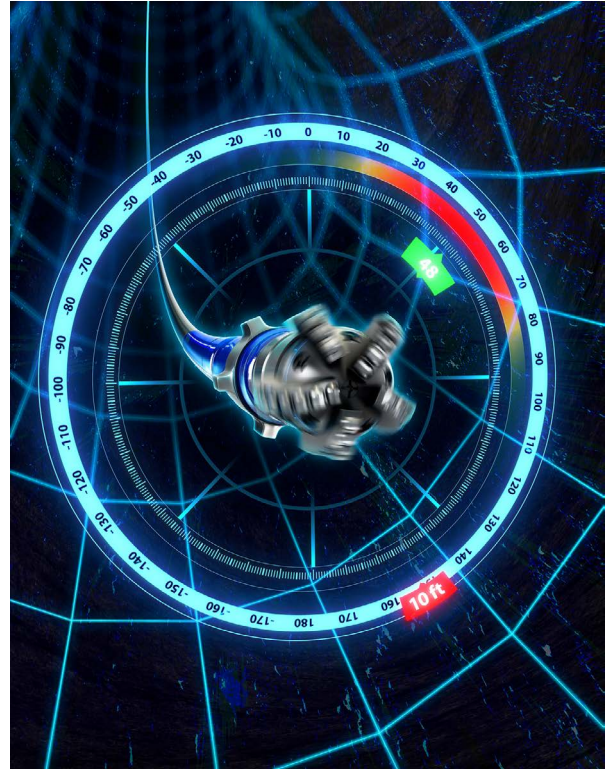
To improve drilling efficiency by utilizing the latest tools and technology available for drilling the Lower Spraberry Trend in the Permian Basin.

SCIENTIFIC SOLUTION

SDI is a key partner with Motive Drilling Technologies. The Falcon MP MWD system combined with the Motive Bit Guidance system provided quick and decisive answers to challenging decisions while drilling.

SDI's TiTAN22 motor fleet is known for its reliability and robust design. Built to handle the rigors of drilling in the Permian Basin, the SDI titanium driveshaft TiTAN22 motor drilled the curve and lateral in one run. This was SDI's second 100+ hour motor run on successive wells in the field.

The Falcon MP MWD system with real-time Pressure-While-Drilling delivered "on-the-fly" surveys with its high speed telemetry allowing for reduced NPT during connections.



CUSTOMER VALUE

- SDI and Motive Drilling Technologies partnership delivered a best-in-class well in Glasscock County, TX.
- This 16,996ft Lower Spraberry well was drilled from Spud to TD in 14.4 days, and was completed 10.2 days under AFE, saving the customer \$608K.
- The implementation of the Scientific approach combined with Motive Drilling Technologies successfully drilled a single-run curve and lateral producing a total of 9,355ft in 4.8 days.
- The performance of the system yielded significant time and cost savings, and achieved the customer's objective.

