CASE HISTORY

SDI PROPRIETARY 750 GPM 7" 7:8 9.4 MUD MOTOR

APPLICATION
Wolfcamp A Horizontal

TECHNOLOGY
SDI 750 GPM TiTAN22 - Performance Drilling Motor

LOCATION
Glasscock County, Texas

CUSTOMER CHALLENGE

The objective was to decrease the overall days spent drilling the well by using the best performing motor on the market while maintaining all safety and well integrity requirements. In this specific application, the SDI 7" 750 gpm 7:8 9.4 TiTAN22 motor was employed to drill a 6,276' lateral in the Wolfcamp A formation.

SCIENTIFIC SOLUTION

SDI proposed running its proprietary 7" 750 gpm 7:8 9.4 stage mud motor. This mud motor is equipped with Scientific Drilling's internally developed TiTAN22 (titanium flex shaft drivetrain).

The mud motor and experienced personnel provided exceptional performance, fully utilizing the advanced flow rate capability of the SDI 7" motor; thus ensuring optimal hole cleaning at instantaneous ROP's of up to 650 fph.

CUSTOMER VALUE

In comparison with the first well on the pad (which had used a competitor's 7" high flow mud motor), SDI's mud motor was able to provide an 81.9% increase in ROP while sliding and a 51.9% increase in ROP while rotating, for an overall ROP increase of 60.4%.

The performance of the TiTAN22 750 gpm capable technology yielded significant time and cost savings and achieved the customer's objective.

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