

CASE HISTORY ONE RUN CURVE-LATERALS IN THE PERMIAN BASIN

APPLICATION

Curve & Lateral Drilling

TECHNOLOGY

Ti TAN22 Motors, Falcon MP MWD,
Sci-Gamma and Motive Technologies

LOCATION

Glasscock County,
TX, USA

CUSTOMER CHALLENGE

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

SDI was challenged to build on historical benchmarks with this customer, having delivered previous wells in excess of 17,200', under AFE.

SCIENTIFIC SOLUTION

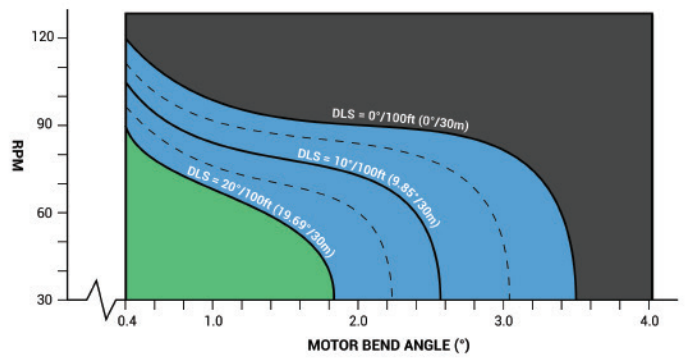
SDI proposed the use of its 6.5" Ti TAN22 Motor in a 7:8 6.4 2.0° configuration. With this motor, used in conjunction with the Falcon MWD system, SDI has been able to drill the curve and lateral sections of these wells in only one run.

SDI's Ti TAN22 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 Ti TAN22 motor shows its superiority by being able to rotate ~80-90 rpm with a 2.0° bent housing (see chart).

Delivering the well the Scientific way includes the differentiating technologies, the dedicated experienced personnel and quick and decisive answers to challenging decisions while drilling using the Motive Technologies system.

ROTATIONAL LIMIT

Ti TAN22 | 6½" 7/8 6.4
8½" WELLBORE



CUSTOMER VALUE

Building on previous successes with delivering time savings and excellent wellbore quality, the customer saved over 15 hours of rig time on the last well using the Ti TAN22 motors for the 8,630' curve/lateral run.

This high-quality Service Delivery comes from sustained business relationships and the application of continuous improvement lessons from well to well.

"Just wanted to send out my congrats on another record setting well (RR to RR: 13.94 days). Keep up the outstanding work."
- Senior Drilling Engineer

"Looks like we set another best well from Spud to RR: 14.83 days. This is a 0.57day improvement over the previous best well (15.4days). Again [client] and I want to congratulate everyone involved from both the office and field. Let's all continue to work together in continuing top performance in a safe manner."

-Senior Drilling Engineer