



D-Tech RST Completes Record-Setting 7 7/8-in. Run for Operator in Howard County, TX

The Challenge

- An operator was drilling the 7 7/8-in. section of a Howard County well in the Midland Basin. This hole size can provide a unique challenge due to limited fit-for-purpose tool offerings for today's high-performance environments.
- The customer wanted to quickly drill through the lateral, making as much footage as possible and completing this aggressive drilling program on time.
- They chose the D-Tech rotary steerable tool (RST) since conventional drilling had been too time-consuming and wasn't providing consistent drilling performance.

The Solution

- The robust RST, which was exclusively designed for this hole size and application, successfully completed the first run.
- The D-Tech team, in combination with the operator and Cathedral Energy Services, made a slight adjustment to the bottomhole assembly (BHA).
- For the second run, the operator saw a significant rate of penetration (ROP) and performance improvement, drilling to total depth (TD).

The Benefit

- The D-Tech RST consistently steered through the lateral, reaching TD in record time for this operator.
- The BHA completed 10,128 ft in 47.25 drilling hours in under two days of drilling, averaging more than 5,000 ft per day and an ROP of 211 ft/hr.