

# Mid-Con Operator Sets Back-to-Back Intermediate Drilling Records Utilizing D-Tech Rotary Steerable



## The Challenge

- An independent operator drilling in the Mid-Con merge play in Oklahoma wanted to increase ROP and hold high tangents more efficiently to stay on schedule and in zone.
- They also needed to minimize slide time and maintain directional control. On an adjacent well, they spent 12 hours trying to get to 12 degrees, and only drilled 500 ft.
- While they had tried other rotary steerable systems (RSS) before, they weren't satisfied with the performance, so they contacted D-Tech to drill the intermediate section of their well.

## The Solution

- The D-Tech team worked with the operator to understand their challenges and goals. They combined these objectives with lessons-learned from other Mid-Con operations to recommend a customer-specific, tailored BHA and hydraulic setup to drill the vertical section from surface to KOP.

- The operator agreed with the assessment and used a D-Tech RSS with a high-performance motor, MWD below the motor, and drilling collar and pony collar to minimize the nonmag.
- D-Tech provided an engineer onsite and at its real-time remote operations center to monitor the job and ensure the most efficient operation.

## The Benefit

- The D-Tech rotary steerable and customized BHA drilled two back-to-back sections of 7,288 ft (24-degree tangent) and 7,250 ft (20-degree tangent) to TD, in one BHA, at a record time of 43 and 42 hours.
- D-Tech was able to break their overall previous record intermediate well with the first run. The second D-Tech run on the next well then beat the previous D-Tech record well's performance, all while staying 100% in zone.
- These were the two fastest runs for the operator in Oklahoma.