The D-Tech RST500 Successfully Completes Challenging Delaware Lateral in One Run

The Challenge

- An operator wanted to drill the slimhole section of a Delaware Basin well in one run. This basin is notoriously difficult on tool reliability and performance.
- Traditionally, conventional bottomhole assemblies (BHA) didn't provide the desired energy transfer and rates of penetration (ROP) towards the end of the well.
- The customer also experienced sliding issues with slimhole tools—as the lateral gets longer, it is more difficult to transfer weight to the bit. Sliding at times becomes impossible and operators need to pick up an agitator or run a rotary steerable tool.

The Solution

- The D-Tech rotary steerable tool (RST) was chosen because of its robustness, performance, and cost effectiveness.
- The operator matched the D-Tech RST500 with an Ulterra RPS613 drill bit, and were able to utilize their existing directional company and other assets that were already on location.
- This helped ensure consistency in their drilling program.

The Benefit

- The D-Tech RST500 successfully completed the slimhole drilling interval (4,613 ft in 65 drilling hours) in a single run.
- This allowed the operator to reduce downtime, while cutting down on additional equipment and logistics costs if the directional company was replaced.
- The operator plans to utilize D-Tech rotary steerable tools in the future.

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ROTARY STEERABLE

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