

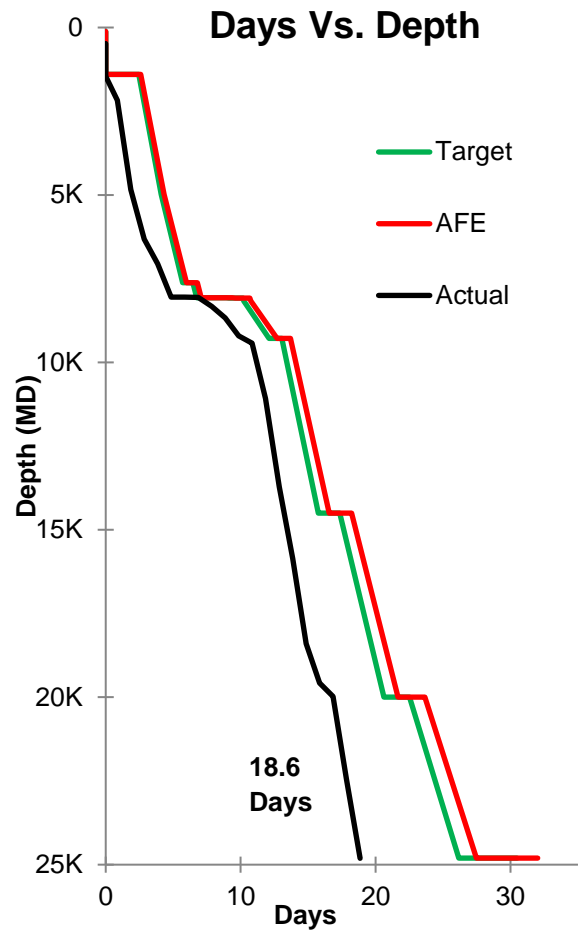
Permian Operator Drills 3-Mile Lateral Ahead of AFE in Two Runs

iCRUISE® INTELLIGENT ROTARY STEERABLE SYSTEM REDUCES WELL TIME AT HIGH RATE OF PENETRATION

PERMIAN BASIN, UPTON COUNTY, TEXAS

A major operator in the Midland basin collaborated with Sperry Drilling to complete the first 15,382 feet (4,688m) lateral section. The Drilling Engineering Solutions (DES) team from Halliburton Sperry Drilling proposed an engineered drilling solution consisting of the iCruise® intelligent Rotary Steerable System (RSS), GTi drill bit, and NitroForce™ high-flow, high-torque motor. The DrillingXpert™ hydraulics modeling software was used to optimize the flow rate for hole cleaning and tool performance.

The iCruise RSS drilled to total depth in two runs eliminating the need for a third run, exceeding the operator's expectations. By maintaining optimal drilling parameters and activating cruise control on the iCruise intelligent RSS, the operator reduced well time and achieved the required dogleg to steer accurately within the geological target, maximizing asset value.



Drilling Performance

	Rotated Hours	Rotated Footage	Rotated ROP	MD In	MD Out
Total	140	15,382	110	9,428	24,810
Run 1	96	10,151	106	9,428	19,579
Run 2	44	5,231	119	19,579	24,810

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