

VectorZIEL completes 8-in batch drilling deployment in a US application



LOCATION
Oklahoma, USA

APPLICATION
Batch drilling

MUD
WBM, 8.9–9.4 ppg

TECHNOLOGY

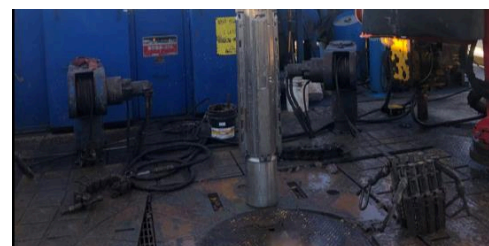
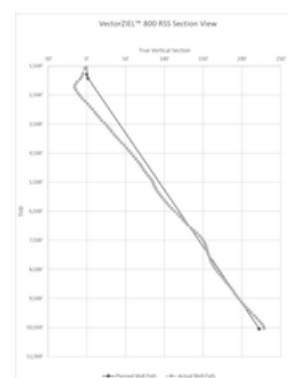
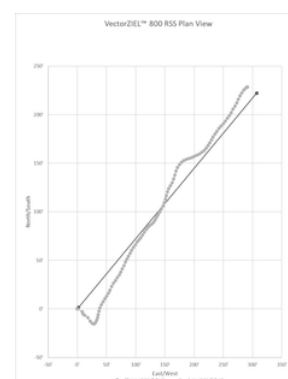
The VectorZIEL™ rotary steerable system (RSS) features inclination, azimuth and gamma ray within 5 ft of the bit along with an integrated pulser that produces near-bit surveys and continuous measurements.

CHALLENGE

Redeploy the 8-in VectorZIEL 800 (VZ800) on a subsequent well in a batch drilling application to complete a 12¼-in intermediate section with tangent in two runs in Oklahoma. The motor-assisted RSS had to drill out the surface casing shoe at 1,500 ft MD, build a nudge at 1,800 ft MD with 2° DLS to 2.5° inclination, and hold the tangent for more than 8,500 ft MD.

RESULTS

The VZ800 completed the section in two runs on its second US deployment, building the nudge and holding the 2.5° tangent. At the directional provider's request, the well was brought gradually back to the target line, finishing ahead and left of line: at section TD of 10,539 ft MD it was 7.7 ft ahead and 11.2 ft left of plan. The same tool ran both runs and showed minimal wear.



DEPTH IN / OUT	FOOTAGE	DRILLING HRS	AVG. ROP	RUNS	OFFSET AT TD
1,518 / 10,539 ft	9,021 ft	85.24	105.8 ft/hr	2	7.7 ft ahead, 11.2 ft left