



## VectorEXAKT Rotary Steerable System

# VectorEXAKT RSS delivers precise vertical wellbore in Poland

### Technology

Our VectorEXAKT™ 800 rotary steerable system (RSS) delivers higher ROP and precise directional control in vertical or inclined boreholes. This integrated drilling and measurement tool incorporates an inclination survey package within 1.5 m of the bit together with a pulser for real-time data transmission.

### Challenge

The client needed to maximize ROP while maintaining verticality across a 674-m 12¼-in. vertical section in an onshore gas field in Poland. A third-party MWD survey system provided by the client was used to prove the accuracy of the VectorEXAKT RSS.

### Results

The section was drilled at an average ROP of 14.4 m/hr and the start inclination of 1.1° was corrected to 0.2° within 20 m. The VectorEXAKT RSS kept verticality across the entire section, even though the cuttings return indicated the hole was partly washed out and overgauge. Inclination was measured to 0.1° throughout the run.



Hole size (in)	Depth in (m)	Depth out (m)	Total footage (m)	Inc in (°)	Inc out (°)	ROP (m/hr)
12¼	168	842	674	1.1	0.1	14.4

