

RSS tool drills 2,200-ft tangent through challenging formation



LOCATION

Dagang, Tianjin area, China

OPERATOR

Chinese NOC

TECHNOLOGY

The VectorZIEL™ 600 rotary steerable system (RSS) delivers higher ROP, smoother boreholes and precise directional control to reduce drilling and well costs in directional and horizontal wells. It measures inclination, azimuth and gamma ray within 5 ft of the bit and includes an integrated pulser.

CHALLENGE

The client needed to drill an 8½-in hole through hard anhydrite, conglomerates and interbedded soft siltstone, holding a 20° tangent with tight directional control.

RESULTS

The section was drilled with the VectorZIEL RSS with a dogleg severity of 6° to 8°/100 ft at an average ROP of 30 ft/hr.



HOLE SIZE	DEPTH IN / OUT	TOTAL FOOTAGE	DLS	AVG. ROP
8½ in	7,185 / 9,416 ft	2,230 ft	6–8°/100 ft	30 ft/hr

