



# VectorEXAKT RSS delivers precise vertical wellbore in Peru

## 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 5 ft of the bit along with a pulser to deliver real-time data transmission.

## Challenge

Our client required a vertical hole with a small directional window (27 cm) for a 300-m mine shaft in a limestone formation. The project was an underground mining operation where the rig was 300-m below ground.

## Results

The vertical section was drilled at an average ROP of 36-ft/hr (10.9-m/hr), and inclination was maintained at an average of 0.02° across the entire section. Final displacement of the well was only 0.04-in. (1.0-cm) north and 0.04-in. (1.0-cm) east.



Hole size (in)	Depth in ft (m)	Depth out ft (m)	Total footage ft (m)	Inc in (°)	Inc out (°)	ROP ft/hr (m/hr)
12¼	98 (30)	964 (294)	866 (264)	0.00	0.01	36 (10.7)

