



# VectorEXAKT vertical RSS delivers precise vertical control across a 24-well campaign

- Location: Onshore China
- Operator: Chinese NOC

## Technology

Our VectorEXAKT™ 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 needed to drill 13<sup>3</sup>/<sub>8</sub> – 17½-in. vertical holes across multiple wells in the Tarim and Xinjaing Basins. This field is known for its aggressive dipping beds and hard, interbedded formations.

## Results

24 vertical wells were drilled across the project with a total footage of 198,000 ft (60,400 m). The deepest section was drilled to a depth of 14,200 ft (4300 m). Precise vertical control was maintained across all wells and is demonstrated by data from two wells presented below.

	Well A		Well B	
	Run 1	Run 2	Run 1	Run 2
Depth In	244 m	1,062 m	386 m	1,122 m
Depth Out	1,062 m	1,801 m	1,122 m	1,345 m
Interval	818 m	739 m	736 m	223 m
Inclination In	1.57°	0.42°	0.82°	0.02°
Inclination Out	0.42°	0.02°	0.02°	0.02°
ROP	11.2 m/hr	5.8 m/hr	3.3 m/hr	3.3 m/hr

