

VectorEXAKT Rotary Steerable System

# RSS tool enables high ROP across tightly spaced vertical wells in Colorado



- Colorado USA
- Major International Operator
- WBM
- 24 Wells

## Technology

Our VectorEXAKT™ 600 and 400 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 together with a pulser for real-time data transmission.

## Challenge

The client needed to drill 24 precise vertical wells at tight spacing for an unconventional oil development project. The wells included both 8½- and 6-in. hole sections and were spaced only 5-ft apart at surface. At total depth of 2,500 ft, only 1 ft of horizontal displacement could be tolerated.

## Results

Successfully drilled all vertical wellbores using the VectorEXAKT RSS within the tight vertical control requirement. Drilled more than 40,000 ft of total footage across the project, with an average of approximately 1,700 ft per well. Despite the tight vertical control tolerance, the VectorEXAKT RSS enabled an impressive average ROP of more than 100 ft/hr.

