

# VectorZIEL 800 rotary steerable system drills first well in Mexico



**LOCATION**  
Tamaulipas  
(Reynosa), Mexico

**PROFILE**  
S-type

## TECHNOLOGY

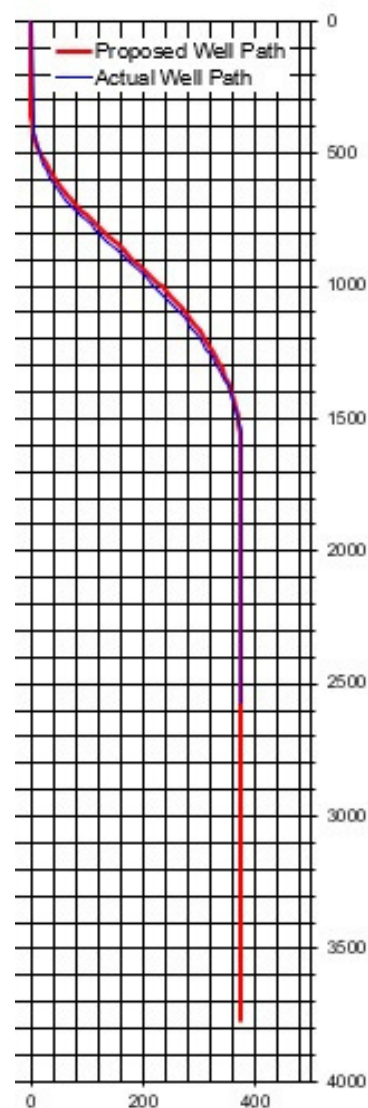
The VectorZIEL™ rotary steerable system (RSS) features inclination, azimuth and gamma ray capabilities within 5 ft of the bit along with an integrated pulser.

## CHALLENGE

A well in Tamaulipas, near Reynosa, Mexico, a new frontier for the VectorZIEL RSS, had an S-shaped directional profile. The VectorZIEL RSS was chosen to deliver this profile while maintaining a 2°/30-m build section and a 1.2°/30-m drop section. The 12¼-in interval was planned from 300 m to 3,837 m.

## RESULTS

The VectorZIEL 800 showed strong directional control and reliability. It endured 250 circulating hours and 230 on-bottom drilling hours, performed 37 downlinks and drilled the trajectory per plan. It also delivered higher ROP and a smoother borehole than a conventional bent-motor and MWD assembly drilling slide-rotate intervals, reducing torque, drag and stuck-pipe risk.



| HOLE SIZE | PLANNED INTERVAL | BUILD / DROP          | CIRCULATING HRS | ON-BOTTOM HRS | DOWNLINKS |
|-----------|------------------|-----------------------|-----------------|---------------|-----------|
| 12¼ in    | 300–3,837 m      | 2° / 1.2°<br>per 30 m | 250             | 230           | 37        |