



Weatherford®

REAL RESULTS

Revolution® Service Improves ROP, Mitigates Sliding Problems in Venezuelan Horizontal Well

Objectives

- Improve economics by overcoming sliding problems in a slimhole lateral extension when using PDC bits.
- Increase the rate of penetration (ROP).
- Reduce the differential sticking risk.

Results

- The 4 3/4-in. *Revolution* slimhole rotary-steerable system (RSS) performed exceptionally well despite damage incurred during the first run while drilling out the shoe. The tool was replaced, and in the second run, the operator drilled 659 ft (201 m) at an average ROP of 100 ft/hr (30 m/hr). This rate was significantly higher than the average 35 ft/hr (11 m/hr) for the area.

Value to Client

- The *Revolution* RSS provided the operator with a highly effective solution that overcame sticking problems and increased ROP to improve the overall economics of drilling horizontal sections.
- Since the test the operator has successfully used the 4 3/4-in. and 6 3/4-in. *Revolution* RSS in other wells in West and East Venezuela.



The *Revolution* RSS uses innovative point-the-bit technology to increase well value by providing superior wellbore quality and accurate wellbore placement while minimizing drilling risks. Unlike conventional push-the-bit systems, the *Revolution* RSS keeps the drill-bit face square to the rock and to the axis of the planned well path.

Location

Oritupano area, East Venezuela

Well Type

Horizontal

Number of Wells

1

Products/Services

Revolution RSS system