

Revolution® Core RSS Drills Openhole Sidetrack, Saves 3 Days of Rig Time and \$180,000



The Weatherford Revolution Core RSS has point-the-bit drilling features that orient the drill-bit axis with the axis of the planned well path, which optimizes the directional-drilling process and maximizes efficiency.

Objectives

- Sidetrack a re-entry well and drill from kickoff to the measured depth (MD) in the fewest possible runs.

Our Approach

- The Weatherford team deployed the 6 3/4-in. triple-combo bottomhole assembly (BHA) and the Revolution Core rotary-steerable system (RSS)—chosen for its capabilities to improve borehole quality, rates of penetration (ROP), and bit life.
- The team tagged cement at 6,630 ft (2,020 m) and used the Revolution Core RSS to drill through 300 ft (91 m) of cement inside the 9 5/8-in. casing. After circulating out the cement, the team drilled a 50-ft (15-m) vertical section below the casing shoe.
- The team drilled from the kickoff at 7,065 ft (2,153 m) MD and maintained 100% contact with the target formation until reaching 7,662 ft (2,335 m) MD.

Value to Client

- The Revolution Core RSS provided performance that saved the client 3 days and US \$180,000 in operational costs. By comparison, a whipstock and conventional mud motor would have required separate runs for drilling through the cement and kicking off the sidetrack.

LOCATION

Middle East

WELL TYPE

Onshore, re-entry, oil

FORMATION

Limestone

HOLE SIZE AND ANGLE

8-1/2 in., 24°

RSS SIZE

6-3/4 in.

DEPTH

- In: 7,065 ft (2,153 m)
- Out: 7,662 ft (2,335 m)

AVERAGE ROP

40 ft/hr (12 m/hr)

RUNS

1

PRODUCTS/SERVICES

- Revolution Core RSS
- ShockWave® sonic tool
- Triple-combo tools

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