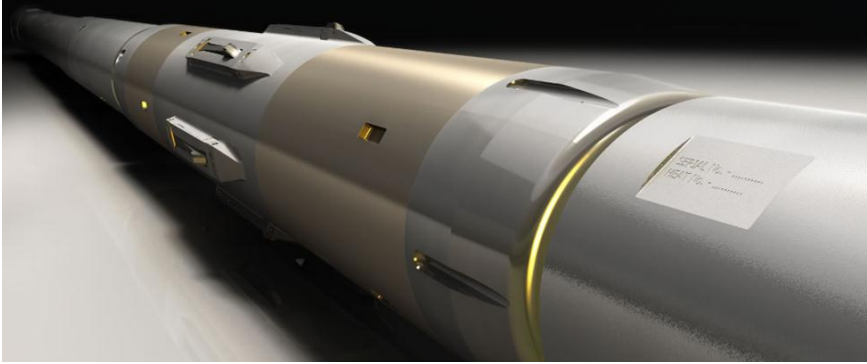


# Revolution® Core RSS

## Sets Field-Record ROP, Saves 1.2 Days of Rig Time, \$192,000



The Weatherford Core RSS set a record rate of penetration (ROP) of 76 ft/hr in Rumaitha field.

### Objectives

- Drill a 6-in. horizontal section through dense, intermediate limestone from 10,550 to 14,446 ft (3,216 to 4,403 m) in one run.
- Maximize rate of penetration (ROP) and avoiding bit bouncing.

### Our Approach

- Weatherford drilling services deployed an 4 3/4-in. bottomhole assembly with a triple-combo logging-while-drilling (LWD) system and a Revolution Core rotary-steerable system (RSS). The team selected the Core RSS for its point-the-bit design, near-bit stabilizer, higher build-rate capacity, and enhanced ROP capabilities.
- Drilling began at 10,550 ft (3,216 m). The Revolution Core RSS performed at 150 revolutions per minute (RPM) with 20,000 lb weight on bit (WOB) and continued to 14,446 ft (4,403 m) while maintaining a nearly 90° inclination and 100° azimuthal direction.
- The team reached total depth (TD) in one run at an average ROP of 76 ft/hr, which is a Rumaitha Field drilling record.

### Value to Client

- Using the Weatherford Revolution Core RSS, the team reached TD in one trip with no NPT.
- The drilling team set a record ROP of 76 ft/hr, which is nearly 60% faster than the previous best rate.
- The record ROP set by the Revolution Core RSS allowed the client to finish the job 1.2 days ahead of schedule, which saved \$72,000 in rig costs and \$120,000 in additional tool costs.

Revolution is a registered trademark of Weatherford in the US and Canada.

#### LOCATION

Rumaitha Field, UAE

#### WELL TYPE

Onshore oil

#### HOLE SIZE

6 in.

#### HOLE INCLINATION

89°

#### SECTION DEPTH

10,550 to 14,446 ft (3,216 to 4,403 m)

#### AVERAGE ROP

76 ft/hr

#### PRODUCTS/SERVICES

- Revolution Core RSS
- Triple-combo LWD system

