



Weatherford®

REAL RESULTS

Andaman Sea, Myanmar: DwC™ Technologies Drill Large Casing in a Single Trip, Eliminate Subsea Monitoring in Challenging Conditions

Objectives

- Deploy drilling-with-casing (DwC) technologies to provide efficiency gains and mitigate the effect of seasonal tides and subsea currents. Strong currents and high tidal movement in the Andaman Sea, Myanmar, restrict the running of casing into pre-drilled wellbores, resulting in costly downtime. The initial attempt with conventional drilling and casing running techniques failed resulting in three days nonproductive time (NPT).
- Eliminate requirement for subsea casing guides and subsea monitoring with remotely operated vehicles (ROVs).

Results

- Weatherford personnel provided a DwC system equipped with a 13 3/8- × 17-in. Defyer DT306 drillable casing bit and a DwC surface drive system.
- The drilling solution enabled the operator to run the 13 3/8-in. DwC system to the target section in a single trip, and eliminate the need for casing guides and ROVs on the seabed.
- The DwC drilling solution was completed in 19 hours with a rate of penetration of 215.7 ft/hr (65.7 m/hr).

Value to Client

- Using Weatherford's DwC solution enabled the operator to complete the job in single trip in less than a day, resulting in savings of approximately US\$388,500 in rig time and associated costs.
- The operator performed the entire run without any recordable incidents or accidents.



Weatherford's 13 3/8- × 17-in. Defyer DT306 drillable casing bit and a DwC spear enabled the operator to run the 13 3/8-in. drill with casing to the target section in a single trip and eliminate the need for casing guides and ROVs on the seabed.

Location
Myanmar

Formation
Recent marino sediment

Well Type
Offshore, oil exploration

Hole Size
17 in.

Depth

- In: 165 ft (50 m)
- Out: 1,442 ft (439 m)
- Setting depth: 1,416 ft (431 m)
- Total length drilled: 1,277 ft (389 m)

Casing
13 3/8-in., 54.4-lb/ft K55 BTC
13 3/8-in., 72-lb/ft P110 BTC

Products/Services

- DwC technologies
- 13 3/8-in. DwC mechanical surface drive system
- Defyer DT306 drillable casing bit