



Weatherford®

REAL RESULTS

Largest Weatherford/BBL Reamer Shoe Run in the North Sea to Date

Objectives

- Deploy 20-in. casing to total depth (TD) on the first attempt.
- Achieve a high-quality cement job.
- Pressure-test the casing on plug bump.

Results

- During casing run, resistance was encountered, but casing was successfully washed to TD without having to work the string.
- The cement job was carried out to plan.
- The cement plug bumped, and the casing was pressure-tested.
- The shoe and rathole were drilled out in one hour with a 17 1/2-in. PDC bit on a rotary-steerable system.
- No problems were incurred during drill-out.
- A high-quality cement job was achieved.

Value to Client

- Deploying the casing to TD was imperative. Not doing so would have meant running costly contingency casing strings.
- The high-quality cement job saved rig time by eliminating the need for a remedial squeeze job.
- Rig time was saved by pressure-testing the casing on plug bump.



Client
BP

Location
Rhum NF1 3/29a-5 UK sector

Rig
Deepsea Bergen

Depth
4,134 ft (1,260 m)

Well Type
Development HTHP

Casing Size
20- 0.75-in. wall

Products/Services

- 20- 24-in. OD BBL reamer shoe
- Two 402P float collars
- 20-in. top-only Sub-Surface Release™ cementing plug
- Nodeco® remote top-drive cementing head
- STA4 centralizers