

SwageSet V0 Packoff Stage Tool Enables Two-Stage Cementing in One Casing Run, Saves 10 Days of Rig Time

Objectives

- Run and cement 9 5/8-in. casing to a depth of 11,858 ft (3,614 m) in the longest run in the offshore field to date.
- Reduce the equivalent circulating density (ECD) to avoid the risk of fracturing the formation during the cementing job.

Our Approach

- Weatherford recommended the 9 5/8-in. SwageSet V0 packoff stage tool (POST) to perform two-stage cementing in a single trip. The tool eliminates potential leak paths and enhances well integrity through use of gas-tight packer elements and cementing ports that are tested to standards set by the International Organization for Standardization (ISO). The cementing ports comply with the ISO 14998 V0 standard, and the tool itself complies with the ISO 14310 V0 standard.
- The tool enabled the operator to cement in two stages and use an ECD of 0.72 rather than 0.8, which reduced the risk of fracturing the formation.
- The single-run cementing job eliminated the need for a liner and tieback run, which saved approximately 10 days of rig time.

Value to Client

- The SwageSet V0 POST provided the operator a one-trip, gas-tight solution for two-stage cementing. By eliminating the requirement for liner and tieback runs, the tool saved approximately 10 days of rig time.
- Using the two-stage cementing tool enabled the operator to reduce the ECD and the potential for damage to the formation.

The Weatherford SwageSet V0 POST promotes gas-tight well integrity in cased-hole applications using V0-qualified seals.



LOCATION

Abu Dhabi, United Arab Emirates

WELL TYPE

Offshore, oil producer

HOLE SIZE AND ANGLE

12-1/4 in., 81°

CASING SIZE

9-5/8 in.

TEMPERATURE

220°F (104°C)

PRESSURE

3,500 psi (24.1 MPa)

DEPTH AND ANGLE AT TOOL

8,077 ft (2,462 m), 49°

TOTAL DEPTH AND ANGLE

11,858 ft (3,614 m), 81°

PRODUCTS/SERVICES

Cementing products

