Case Study

SET® Open-hole Liner (OHL) Prevents 65% Reduction in Production Flow Area

Challenge

To cover the top section of a depleted reservoir Maersk needed an additional casing string below the shoe of 10-3/4 in. casing. They needed the solution to allow running the planned 7 in. completion string in their Ekofisk Danaian D1 Chalk Unit.

Added Value

Direct benefits of running the SET® OHL was drilling the 8-1/2 in. section and running the 7 in. liner. The SET System, compared to conventional casing systems, prevented a 28% loss in ID or 65% reduction in production flow area.

Completion Date: April 2012
Location: Offshore Denmark
Field: Halfdan
Well Type: Directional
Base Casing: 10-3/4 in. (60.7 lb/ft)
Solution: 8-5/8 in. OHL
Depth: 10,861 ft (3,310m)
Liner Length: 456 ft (139m)

David Mallum, Maersk Drilling Operations Engineer noted:

“Our objective was to isolate a low pressure zone to enable us to drill our 8-1/2 in. hole section to TD as well as cement our 7 in. liner without incurring total losses as was observed on the well drilled beside our well. The installation of the 8-5/8 in. liner was completed in a text-book manner and we achieved our objectives without any issues. This was the first 7 in. liner that was run and cemented without issues in the Halfdan field.”