

HUNTER™ Tandem Plug System, with Cflex® Cementing, Saves 10 Hours' Rig Time in North Sea



Region: North Sea

Customer: Aker BP

Field: Valhall

Reference: 106572 and 106550

Case benefits

- Saves 10-17 hours' rig time for 1 run
- Saves operational cost
- Easy and rapid deployment
- Provides more efficient operation

Key capabilities

- Combined run
- Only 2 tons required above the plug, to set the HUNTER plug
- High tripping speed
- High heave limitation
- Can set plug as a VO approved barrier

Typical Applications

- Combined runs
- Leak off and inflow tests
- Can be used as a barrier plug
- Plug and Abandonment (P&A)

Challenge

Two **Cflexes** were installed in a 7 5/8" liner in a well for a major operator in the North Sea. The original plan was to run in hole with the Cflex cementing tool and perform a leak-off test (LOT) through one of the Cflexes, based on the result of an Ultrasonic Imager Tool (USIT) log to verify the required zonal isolation. The following operation was planned as a dedicated inflow test run performed with a plug in the 13 3/8" casing.



Archer Oiltools was challenged to come up with a solution to combine these two operations, to optimize and save operational rig time.

Solution

Archer Oiltools' **HUNTER plug** made it possible to combine the LOT through the Cflex, and therefore inflow test the 7 5/8" and 9 5/8" liner top in the same run.

Following the result of the USIT log, the customer decided to perform a LOT through the lower Cflex, installed at approximately 3700 meters measured depth (3700 mMd). The HUNTER plug was spaced out to be installed at 1500 mMd in the 13 3/8" casing and run in the same string as the cementing tool.

After completing the LOT through the Cflex, the string was pulled up one stand and the HUNTER plug was activated by dropping a ball. The fluid inside the string was then displaced to base oil before setting the HUNTER plug. The plug was pressure tested from above, before the inflow test was successfully performed.

Result

The combination of the two operations was a success, saving approximately 10 hours of rig time for the customer, with a potential for even more time savings.

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