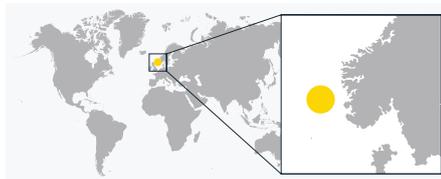


Inflow Testing with the TIMELOCK™ Plug Saves Major Operator Over \$170,000 & 15 Hours' Rig Time



Region: North Sea

Customer: Major operator

Well Type: Producer

Case benefits

- Saves 15 hours of rig time
- Saves over \$170,000
- Well control
- Safe inflow test
- Barrier already in place

Key capabilities

- ISO 14310 certified plug, available as VO rating
- Fast and efficient installation
- Multiple setting
- Ball Valve can be operated multiple times

Typical Applications

- Plug & Abandonment (P&A)
- Inflow testing
- Leak testing
- Barrier

Challenge

A major operator needed to inflow test a well after parting the liner hanger running tool to ensure that cement was in place before temporarily plugging and abandoning (P&A) the well in the North Sea.

The original plan was to run in hole (RIH) with special inflow test equipment. If the inflow test failed, the customer would require a deep set TIMELOCK as primary barrier, followed by a shallow set TIMELOCK as a secondary barrier.

The customer challenged Archer to come up with a cost and time saving solution for the operation to be more efficient.

Solution

Archer suggested that the customer use the TIMELOCK plug for inflow testing, instead of using special inflow-test equipment. Archer specifically produced two inflow-test procedures for this type of application. In addition, Archer recommended to utilize wellbore cleanup tools as there was a potential for cement inside the casing after cementing liner.

Result

It was decided that the TIMELOCK would be placed as a temporary barrier, regardless of inflow test results. The decision was made due to uncertainty of the liner hanger packer's condition.

The customer saved approx 15 hours of trip time, which equates to over \$170,000*.

*Currency is in US dollars.