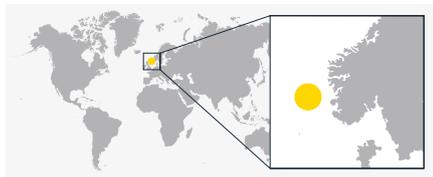


# TIMELOCK® and Multi Utility Tool Saved 4 Hours' Rig Time in the North Sea



**Region:** North Sea  
**Customer:** Statoil  
**Well Type:** Production  
**Rig type:** Semi submersible

## Case Benefits

- Saved over 4 hours' rig time
- Saved substantial operational costs
- Safer and more efficient operations

## Key Capabilities

- ISO 14310 VO rated gas-tight seal  
Resettable
- No set weight needed below
- High differential pressure elements
- Combined run (pulling MUT prior to setting deep plug)
- Reduced red zone activity
- High tripping speed
- High heave limitation
- Integrated Operations

## Typical Applications

- Temporary plug and abandonment (P&A)
- Set barrier
- Inflow testing

## Challenge

Statoil, a major North Sea operator, needed a barrier for a well prior to running a 10 3/4" tie-back during a drilling campaign on the Norwegian Continental Shelf.

The customer required a VO certified gas-tight barrier plug to be installed and inflow tested, and afterwards, to retrieve the wear bushing in an additional trip.

The conventional method is to run in hole (RIH) and install a deep plug, pull out of hole (POOH) with the running tool, and then RIH with the Multi Utility Tool (MUT) to release the wear bushing (WB), followed by pulling the WB and MUT in a separate run.

Archer was challenged to come up with a solution that would reduce the time and costs spent on this operation.

## Solution

Archer developed a new method for installing the plug and pulling the wear bushing in just one trip.

When setting the **TIMELOCK® plug** as a barrier, the plug was run in hole (RIH) and spaced out below the MUT. The wear bushing was first retrieved with the MUT and pulled one stand above the blowout preventer (BOP), leaving only the pipe in the BOP area during the plug operation. As such, best practice was maintained for allowing the shear rams in the BOP to be operated during the plug operation.

The combined operation was completed as planned, utilizing Archer Oiltools' Integrated Operations (IO) Center, where no persons on board (POB) were required from Archer.

## Result

The number of runs were reduced from 2 runs to 1 run on this particular plug operation, saving 4 hours' rig time, for pulling the wear bushing simultaneously.

