

# TIMELOCK™ with Pump Open Sub Saves Over \$110,000, or 5 Hours, for Each Well



**Region:** North Sea

**Customer:** Major operator

**Well Type:** Producer

## Case benefits

- Saves 5 hours' rig time for each well
- Saves over \$110,000 for each well

## Key capabilities

- ISO 14310 certified plug, available as VO rating
- Multiple setting
- Easy, rapid set and retrieve
- No weight below to set

## Typical Applications

- Plug & Abandonment (P&A)
- Shallow set barrier
- Deep set barrier

## Challenge

During a standard plug and abandonment (P&A) operation, a customer challenged Archer to pull the shallow set plug without a dedicated run.

Rig time is a high cost on a floater, so Archer needed to find a solution to perform this operation faster, in a safe and cost efficient manner.

## Solution

Archer developed the VO rated Pump Open Sub (POS) with an integrated circulation sub, creating a self-filling assy.

The TIMELOCK was set as a shallow barrier according to standard procedure.

When entering the well again, the POS was operated by pressure and the well was monitored for pressure build-up.

## Result

By having the 10 3/4" TIMELOCK installed and pulled, together with the dummy hanger, the need for a separate run for retrieving the plug was eliminated. At the same time, well control was achieved through the equalized POS.

A time savings of 5 hours of rig time, equating to over \$110,000\*, for each well was made.

\*Currency is in US dollars.