

# Hydraulic Interventions Increase Injectivity Rate 300% and Cut Costs by 30%, Schiehallion Field

Flexible technology solution supports cost-effective scale removal in the UK North Sea

**Hydraulic intervention method cut costs by 30% and improved injectivity up to 300%.**

## The operator's goal

Water injection wells within the Schiehallion Field west of Shetland were suffering from reduced performance due to scale build-up in the reservoir.

## What we recommended

Perform cost-effective hydraulic intervention using the OneSubsea® subsea modular injection system (SMIS) comprising

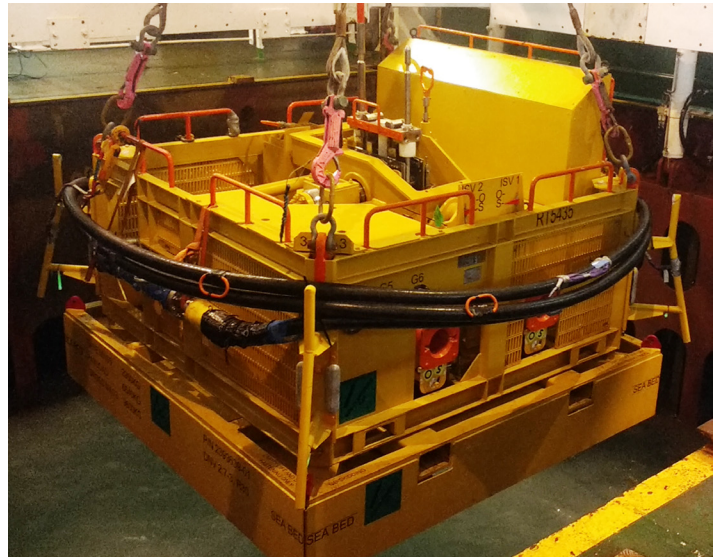
- subsea safety module
- MARS\* multiple application reinjection system for optional choke access
- downline emergency quick-disconnect system
- personnel to supervise the operations.

## What the operator achieved

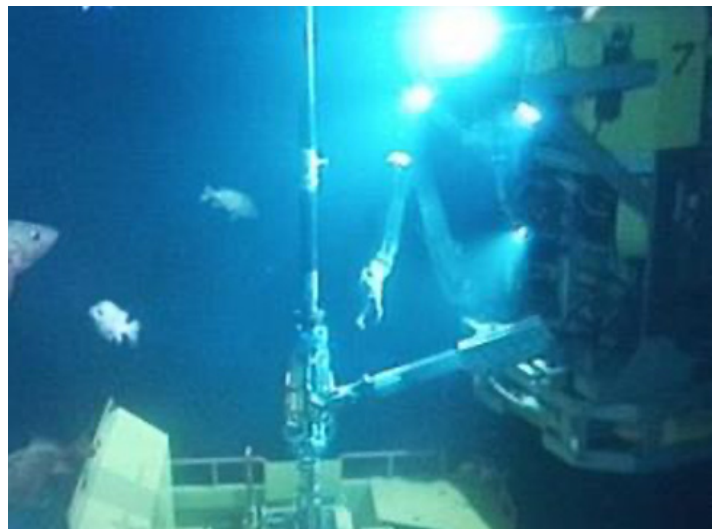
Three wells were successfully intervened during 2018 and 2019, with plans for 8 wells in 2020. Overall, using the hydraulic intervention method recommended by OneSubsea, the operator cut costs by 30% versus conventional intervention methods. The wells saw a significant injection rate increase as the injectivity improved up to 300%.

## Technical details

For more information, read [SPE-199818](#).



*Subsea safety module with integral mudmat deployed on wire.*



*ROV connects the injection downline to the subsea safety module.*