

# Case Study: Insert Valve Carrier (IVC)

## Challenge

A major North Sea operator faced a challenge in their well where the no-go profile in the existing safety valve had worn off. As a result, it was not possible to set a standard Wireline Retrievable Safety Valve with a lock landed on the no-go. The operator was seeking a solution to avoid an expensive re-completion operation.

**Date:**

August 2015

**Region/Field:**

Norwegian North Sea

**Key Capabilities:**

- ISO 14310:2008/Vo
- 5000 psi differential pressure
- 7500 psi control line pressure

## Solution

Interwell's Insert Valve Carrier (IVC) straddle was developed to retrofit damaged safety valves. The IVC design provides the means of retrofitting third party replacement valves without using the existing safety valve lock profile. The IVC makes use of the existing hydraulic system to activate the newly placed safety valve. Interwell provided a straddle to seal off the entire TRSSSV assembly; it was anchored with slips in the 7" tubing.

## Value Created

By using the Interwell IVC straddle, the operator avoided a \$5 million recompletion and weeks of lost production. At a greatly reduced cost, the operator was able to retrofit the Wireline Retrievable Safety Valve with a damaged DHSV nipple. The client was pleased with the successful installation.

