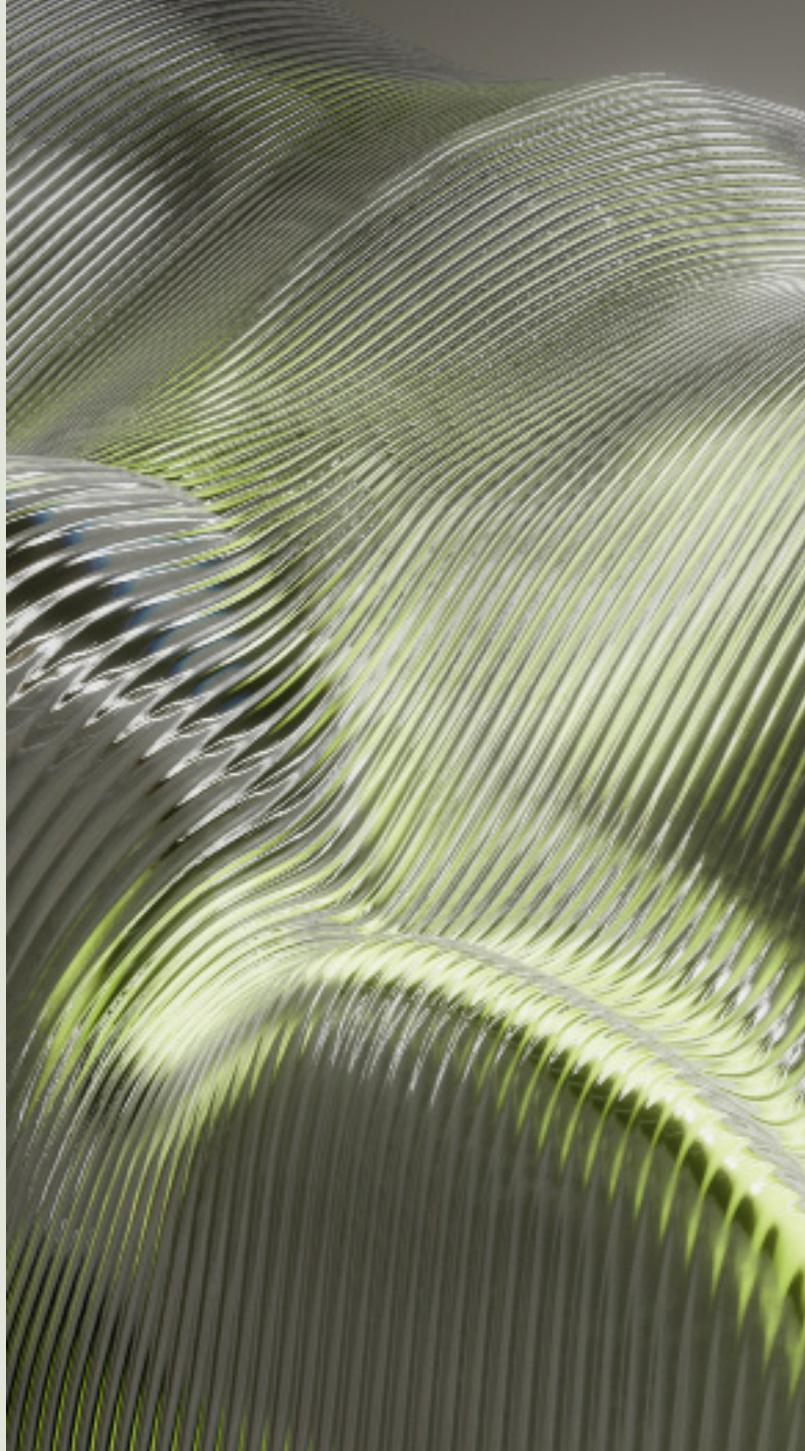


IVC Technology Restores Prolific Well Production



Region
Canada, North Atlantic

Year
Sep 2024

Case study

Challenge

A major operator in Eastern Canada sought Interwell's help to repair a damaged Downhole Tubing Retrievable Safety Valve (TRSV). After locking the TRSV open, the operator attempted to install a conventional lock mandrel with a wireline insert valve. However, severe damage to the upper and lower seal bores made it impossible to achieve a seal. As a result, the well—one of the operator's high-rate oil producers—had been shut in for nine months, causing significant production losses. Without an alternative solution, a costly workover would be the only way to restore the well's functionality.

Solution

Interwell proposed the 575-700 Insert Valve Carrier (IVC) technology as the optimal solution. This advanced system allowed for the installation of the required Wireline Insert Valve while isolating the damaged TRSV. Interwell demonstrated its agility and global reach by rapidly mobilising equipment from various locations to implement this solution. While this was not the operator's first APS installation in the region, it marked the first IVC installation, showcasing the versatility and effectiveness of the product family in addressing complex downhole challenges.

Value Created

The objective of the straddle installation was to re-establish functionality of a downhole safety valve and bring the well back into production, without the need for an expensive workover. Significant collaboration across regions and departments enabled a flawlessly installation of the retrofitted safety valve. The well was successfully brought back online, bringing 6,000 barrels of oil per day back into the production stream. The operator was highly satisfied with the outcome, further underscoring the value Interwell delivers in overcoming challenging well intervention scenarios.

Key Capabilities

- Insert Valve Carrier (IVC) technology
- Rapid global mobilisation of tools
- Seamless offshore installation

Benefits

- Avoided costly workover
- Restored high-rate oil production
- Re-established downhole safety barrier

Key Applications

- Damaged safety valve isolation
- High-rate well recovery
- Complex downhole repair solutions

