CHALLENGE

A sub-sea well of a major operator in the Norwegian North Sea had a non-operational TRSCSV that would not pass it's inflow test. Acid (a typical solution for this problem) and slickline interventions were attempted but were ineffective. If the TRSCSV could not be made operational, the well would be shut-in. Based on past experience including the consistent performance of the WASP® service, Blue Spark was mobilized to fix the issue.

LOCATION

Norwegian North Sea

CONDITIONS

Vertical section of well
Depth of Treatment: 400 m (1,300 ft)
Suspected scale: $CaCO_3$

Scale Removal

OUTCOME

- The TRSCSV was moving properly and was fully closing
- The inflow test was successful, exceeding the test criteria
- The operation was completed from an LWI vessel, eliminating the need for a costly rig
- The well would not need to be shut-in

SSSV reactivated from LWI vessel

SOLUTION

Remove scale from wellbore equipment to restore functionality using electro-hydraulic pulsing technology

- A LWI vessel was used for the operation, eliminating the need for a rig
- The Blue Spark WASP® 275 (Wireline Applied Stimulation Pulsing) tool was run on third-party E-Line to the treatment interval
- Only one run in the well was required to treat the TRSCSV with a total treatment time of 3.5 hours
- An inflow test of the TRSCSV was performed

BLUESPARK