

CASE STUDY- 2020- UK

Stronghold® Barricade® Successfully Abandons Dual Annuli for UK Operator

Challenge

A major North Sea operator faced difficulty recovering a 7 5/8" tie-back from 6,910 ft MD due to a suspected stuck point behind the tie-back string.

Log results indicated that the likelihood of successful casing recovery were extremely low so a 7 5/8" x 9 5/8" dual casing perforate, wash and cement was proposed as a cost-effective solution.

Solution

Archer used their extensive TCP history to work with the operator and prepare a suitable gun system for perforating both the 7 5/8" and 9 5/8" in a single run with the required hole diameter

The 7 5/8" Barricade® tool was then deployed to wash and cement the perforated interval in 1 run. Lessons learned from global dual casing Barricade® runs enabled Archer UK to successfully tailor their operating parameters to complete this challenging operation in just a single run.

Result

Archer successfully set the dual casing plug as planned in less than 7 days using just two trips, avoiding what would have been a very challenging and time consuming milling operation. This dual casing Barricade® application was extremely time-effective considering the limited tripping speed on the unit resulted in almost 4 days of tripping alone.



“Great work from the Archer team completing PWC job. All equipment was prepared on time & worked as it should in the well. Onshift personnel stayed up to assist nightshift and help with lessons learned throughout the shift. Great team effort.”

