

CASE STUDY- 2021- NORTH SEA

7" Stronghold® Barricade® Providing High Quality Bond Across the Entire 74 m Section for Equinor

Challenge

Equinor needed to install 2 x 30 m (primary and secondary) cross sectional rock-to-rock barrier above a reservoir. The barrier was to be set directly below the 9 5/8" casing shoe in 25° inclination across a 7" 29ppf 13 Cr-80 casing in open hole.

Solution

The Archer 7" Stronghold® Barricade® System was the best solution to efficiently install the cross sectional barriers across the 7" casing above the reservoir. The 74 m long interval was planned to be washed and cemented in one run and verified by drilling out the cement and acquire cement bond log. An internal cement plug would be set and then finally verified by dressing and tagging

7" Stronghold® Barricade®

Result

The 7" Stronghold® Barricade® was successfully deployed for washing and cementing of the 74 m long interval with rates at 1200 lpm. The log which was run after drilling out the cement showed high quality bond across the entire 74 m interval. The internal barrier was tagged firmly as per plan after dressing the top.

74 m High Quality Bond

“Successfully installed primary and secondary barrier above the reservoir”

