

CASE STUDY

WHAT

SeaCure 20" Surface Casing

WHERE

UK West of Shetland / Solan

WHEN

Q2 2020

WITH

Transocean Leader MODU

WHO

Premier Oil

WATER DEPTH

138m

WHY

Optimise drill out

Get cement back to seabed

Avoid SSR plug non-bump risk

Eliminate cement head pre-riser

Casing pressure testing pre-BOP run

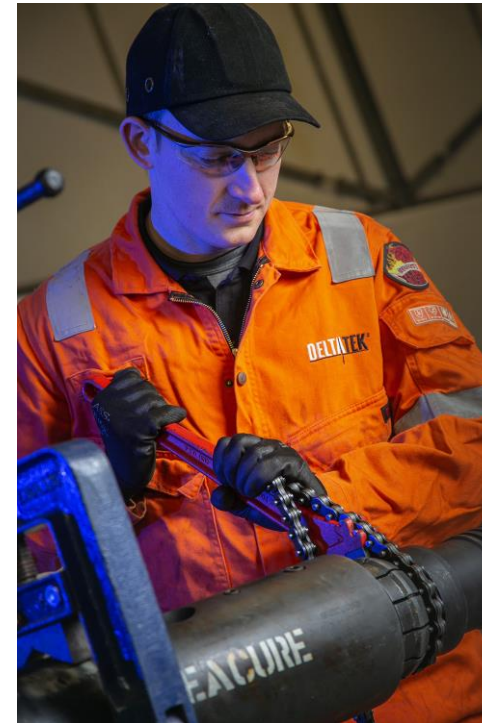
Clinical execution job

Minimise cement volume pumped

Minimise cement contamination

Minimise cement displacement

Minimise cement patio around WH



CHALLENGE

Drill out of 20" shoe-tracks with 16" drill ahead BHAs in the past had resulted in substantial ILT and NPT. This drove dedicated 17-1/2" clean out trips prior to 16" drill ahead.

SOLUTION

Clinical execution SeaCure cement job delivering low risk high value cementing operation and rapid low risk under-gauge drill-ahead.

RESULTS

Drilled 20" shoe out under-gauge without clean-out run, saving 12 hours.

Bit drilled to TD with no issues.

Cement confirmed back at seabed 360bbls into a 571bbls job.

Solid casing pressure test after cement job before BOP installation.

Saved cement head equipment and personnel plus cost of SSR plug sets.

No BHA failures in next section.

"We saved approximately 12 hours" – Ross Sinclair, Drilling Superintendent Premier Oil