30” SeaCure/QuikCure/CoreCure Conductor and 20” SeaCure Surface Casing

Harbour Energy – UK North Sea

"SeaCure inner string cementing allowed us to remove a 20" shoe track clean out run from the programme without increasing the risk profile. The system is simple to run and effective, with very positive feedback from the rig”

- Doug James, Senior Drilling Engineer

Overview

When
H1 2022

Who
Harbour Energy

Where
UK North Sea

With
Maersk Innovator

Water Depth
91m (298ft)

Why

- Reliable drill out with zero shoetrack solution
- Reduction in WOC time
- Clinical execution job
- Minimise cement volume pumped
- Minimise cement contamination
- Minimise cement displacement volume

Challenges

Previous challenges when drilling ahead 16” out of a 20” conventional shoetrack and time spent waiting on cement on conductor.

Solutions

SeaCure zero shoetrack solution enabling a simple and risk free 16” drill ahead out of the 20” shoe alongside QuikCure significantly reducing WOC time on the 30” conductor.

Results

1. Simple and reliable drill out of both 30” and 20” shoes
2. Conductor cement job 100psi (7bar) compressive strength in 4 hours and 500psi (34bar) compressive strength in 6hrs 15mins
3. DeltaTek ball drop system on all strings simplifying operations and reducing the tangible equipment required to complete tophole cement jobs
4. Zero NPT on DeltaTek equipment
5. 2100psi (145bar) green cement surface casing pressure test via inner string
6. CoreCure samples confirming hard, quality cement at shoe

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