

Expro Excellence

SeaCure[®], QuikCure[®] & CoreCure[®] delivers full riserless dual activity cementing solution for North Sea operator in ~1,100 ft water depth

Well Construction | Cementing Technologies

Objectives and background

Expro Excellence

- Long conductor wait on cement of ~15-19 hours on offset wells
- Previous time spent drilling out 20" conventional SSR plug shoetrack
- QuikCure® reduced the conductor WOC and SeaCure® provided zero shoetrack solution for optimized drill out of both 30" and 20" shoes



Value to the client

- Reduced conductor WOC time to 5.5 hours with data capture evidence to show cement hydration at just 3 hours after placement of QuikCure[®] heat sweep
- QuikCure® rapid cement hydration heat sweep enabling the drilling of 26" hole just 13 hours after the end of the conductor cement job
- Reduced 20" shoe drill out time to 45 minutes
- Saved rig time by utilizing the same simple cementing stand for conductor and surface casing cement jobs
- SeaCure[®] system moves hydraulic seal for cement placement and displacement to the shoe, removing reliance on ball valve and running tool seals





Reduction of rig time



| 70 | | | | | | | |
|----------|------------------------|--------------------------|----------|--------------------------|--|---|---|
| | | | | Exothermic rea | | | |
| | | | 61.182°C | cement hydration visible | | | |
| | | | 61.182-0 | after ~3.0hrs | * | | |
| 60 | | | | | | | |
| | | | | | | ٦ | |
| 50 | | | | | woc | | |
| | | | | | | | |
| 40 | | | | | | | |
| 40 30 | | | | | | | |
| | | | | | | | |
| 30 | | | | | | | |
| | | Mixed & pumped 110m3 | | | | | Slacked off, released CA |
| | | Of 1.52SG slurry at | | | | | unlatched, POOH and la out at surface. |
| 20 | Displace hole in | 0.8m3/min. | | | | | out at surrace. |
| | preperation for cement | Displaced with 3.8m3 SW. | | Dropped ball and | Dropped ball and waited 10mins to seat. Ruptured disc at 159bar 0.3m3 pumped. | | |
| | | | * | | | | |
| | | | | | Circulated 1m3 cement from inner string. | | |
| 10 | | | | | pumped foam ball with 5m3 SW. | | |
| | | | | 200bar. | Pumped 85m3 of 70°C SW at 3750lpm, 200bar. | | |
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