Expro Excellence

Expro supports operator through complex multi-well abandonment campaign, tackling SBM build-up

Well Construction | AEON



Objectives and background

- In August 2024, Expro was mobilized by an operator tackling a complex plug and abandonment campaign in an offshore field near Australia
- A synthetic based mud build-up caused concern around additional clean-up requirements, addressed by deployment of the CX-2 Bridge Plug and CX-SuperFlow

Expro Excellence

- Three wells were successfully abandoned as part of the Plug & Abandonment (P&A) operation, through the deployment of Expro's proprietary CX-2 Bridge Plug and CX-SuperFlow technologies
  - Well 1: 9-5/8" CX-2 set at 3030m, 80 degrees, 13-3/8" CX-2 set at 1934m
  - Well 2: 9-5/8" CX-2 set at 3349m, 84 deg, 13-3/8" CX-2 set at 2000m
  - Well 3: 9-5/8" CX-2 & CX-SuperFlow set at 3598m, 87deg, 13-3/8" CX-2 set at 2013m
- Running the CX-SuperFlow in conjunction with the CX-2 allowed for the SBM build up in 9 5/8" casing to be tackled without an additional dedicated scraper run
- Additionally, the goal was to set the plug as low as possible on the third well. Expro's engineer slowly tagged the tubing stump before picking up and setting the plug approximately 5m above the stump. The team was heavily involved in both the planning and execution phases, particularly with pre-job planning mitigating any risk of swaging into the tubing

Value to the client

- The abandonment campaign was successfully completed across the field with considerable time saved through elimination of additional dedicated trips for cementing and scraper operations
  - Total time saved across three wells is estimated to be over 71 hours
- On the job training with client engineers was provided, with a view to running additional campaigns in-house in the future with onshore support where necessary, helping to reduce Personnel On Board (POB) on future campaigns
- Torque and drag (T&D) analyses were performed for each well, and the results were consistent with the modeled data, confirming the accuracy of the approach

Safety



Cost saving



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