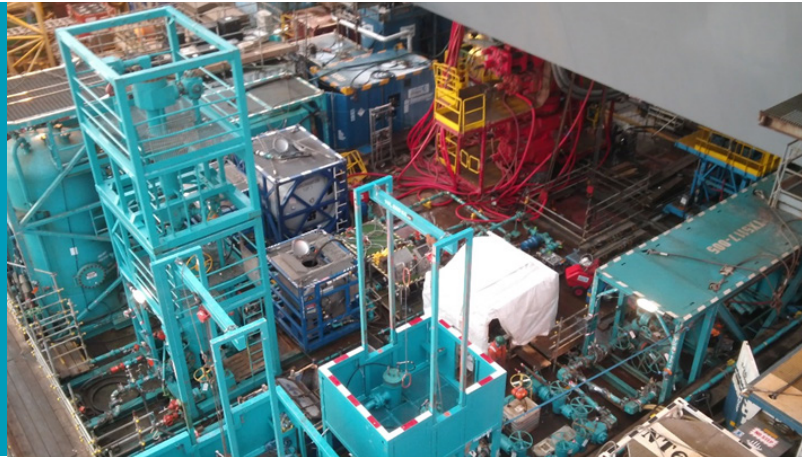


Expro Excellence

Successful SIMOPS: Drilling and Coiled Tubing frac flow back operations on Armada platform

Well Flow Management | Well Testing



Objectives and background

- The client wished to perform Simultaneous Operations (SIMOPS) including Coiled Tubing frac and clean-out operations on one well whilst simultaneously drilling another, using a jack-up drilling rig to allow the project to be delivered in a timely and cost-efficient manner
- All equipment for Coiled Tubing and frac flowback operations was to be located on the platform deck, where space was limited
- All produced fluids were to be processed direct to production or re-injected, allowing for zero discharge to environment
- All solids needed to be removed from the produced fluids prior to sending to production facilities
- The solids-exclusion package was to be integrated with platform safety systems
- High liquid and solids return rates were anticipated, along with the potential for hydrates - presenting challenging operating conditions
- Performance was required to be monitored in realtime, with data transmission to the Operator's offices, onshore

Expro Excellence

- Expro designed a small-footprint, bespoke, continuous solids-management system which was fully integrated into the platform's safety systems and limited available deck space; achieving complete solids removal from the frac flowback fluids before sending onward to production
- Concurrent monitoring of multiple wells was achieved through EDGE Data to Desk; an enhancement to the originally-requested scope of work
- Liquids were successfully reinjected back into the production train using high-rate, high-pressure injection pumps
- Expro's solids-management system was refined to operate as a 'hands-free' process with electronic solids measurement and vacuum pump solids removal system to limit operator exposure
- 100% Job Performance Reports scores, with specific reference made to the professionalism and teamwork of the Well Test crew

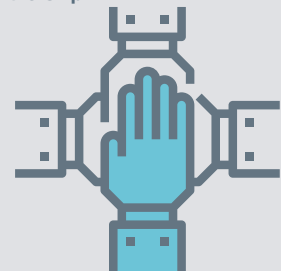
Value to the client

- Zero HSE events or service quality issues
- Two successfully drilled and fracked wells with zero NPT incurred
- 100% uptime achieved – with no interruption to operations required to handle process returns
- New wells extended the lifetime of the platform
- Time and cost-savings through SIMOPS
- EDGE Data to Desk enhanced operational efficiency

Safety



Partnership



Contact

For further information please contact:
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 or visit
expro.com/welltesting