Expro Excellence

Unique solids management flowback design decreases intervention operating time by 30 days

Well Testing

Customer challenges

- Our customer contacted Baker Hughes for assistance with well solids production issues and frac fluid/proppant cleanout on four wells operating offshore in the Caspian Sea
- Their current service provider was unable to provide a suitable solution, the customer began to search for a bespoke well test package solution, including the solids management system for the removal of produced solids and proppant during flowback of the frac fluids
- Baker Hughes (BHS) approached its partner Expro, to design a suitable solution for their first-ever joint project in the Caspian region
- Together, they proposed an integrated solution for testing and clean up services during the multi-stage frac program which demonstrated such technical and commerical value to the customer which convinced them to switch from their current service provider

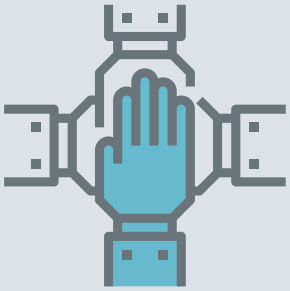
Expro Excellence

- Expro's experienced team provided a clean out and well testing package to support BHS coiled tubing intervention operations on the project
- Expro's combination of sand filter with bypass line to the customer's shaker unit; an Automatic Back Pressure (ABP) PowerChokes® manifold and an additional turbine meter downstream of a 3 Phase Well Test Separator allowed for accurate measurement of returned fluids – for determining losses downhole. This unique design solution provided unprecedented operational capabilities and assurances, which had never been demonstrated in the region
- With its recognised industry-leading commitment to HSEQ, our team were able to mobilise personnel and provide services which protected the customer's production plant tanks and pumps from considerable damage the produced solids would have caused; in a safe and timely manner - despite operating during a global pandemic

Value to the client

- Expro's solution utilising its PowerChokes® manifold to maintain accurate surface back-pressure for the coiled tubing injection unit optimised downhole differential pressure to facilitate Run In Hole/Pull-Out Of Hole operations and activation of downhole ports, resulted in reduced time of overall workover
- The unique sand-filter bypass line to the customer's shaker unit allowed for faster processing of gel-encapsulated sand slugs produced during frac flowback, which significantly expedited operations
- This efficient, customised design and flawless execution of operations by Expro saved the customer 30 days to perform, compared to previous operations; allowing them to start operating gas injection wells to improve overall production yield early as well – a tremendous saving in overall cost and increased field production for the customer

Integrated approach



Increased productivity

Contact

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