

Expro Excellence

Expro delivers successful scale removal operation

Well Intervention



Objectives and background

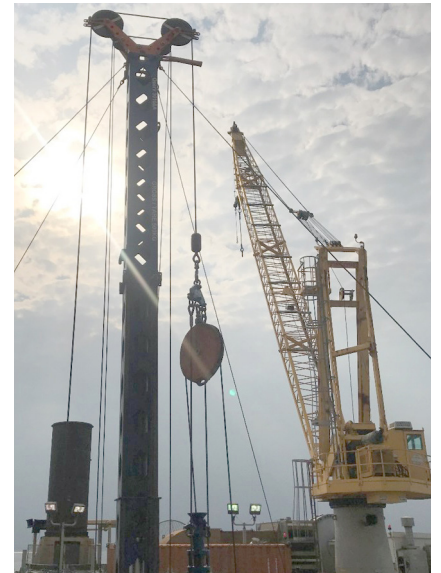
- One of Expro's clients had a failure on a down hole safety valve inflow test. It was suspected that this was caused by scale build up inside the valve and around the flapper area
- A wireline crew was mobilised. On arrival they started broaching with various sizes, and after two weeks of the operation they had reached 42 metres RKB, which was below the hanger
- The operation was stopped and a multifinger caliper (MFC) was utilised to evaluate well conditions. The MFC demonstrated that there was a heavy build-up of scale from the surface to the DHSV. As the DHSV failed, the well had to be closed in resulting in a loss of production

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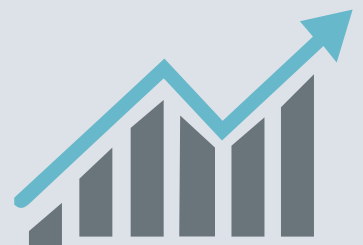
- Expro delivered a CoilHose with an acid treatment package. After Expro rigged up on the well, the first run with a turbo nozzle was undertaken to open a pilot hole from the hanger area
- The turbo nozzle consists of a spear with a rotating nozzle which points in a downward direction. With pressure in excess of 300 bars, during one run of 7.5% HCL opened the well bore to below 2.46" up to 3.5" resulting in the removal of 1300 litres of scale
- Expro undertook another four runs using a washing nozzle, this removed all the scale from the surface down to 450 metres

Value to the client

- Expro's solution took approximately three days, the DHSV received a good inflow test and production was resumed on the well
- Broaching and milling creates a path through the scale, without removing it completely. This leaves a rough wellbore creating turbulence and creating optimal conditions for new scale to form. Utilising Expro's CoilHose technology the client removed all scale in the wellbore, extending the period of well production before another intervention might be required
- Client is now utilising Expro's CoilHose technology as their main solution for scale removal in the upper completion, and to date three campaigns have been completed with optimal results on their wells



Increased productivity



Contact

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