

Expro Excellence
**Expro's Annulus B
 intervention corrects
 casing communication
 with C annulus**
 Well Intervention



Objectives and background

- The client had a pressure increase in the B annulus and after running a spectral noise log they found fluid movement at the casing shoe depth and close to surface. It was suspected a leak through the cement and communication between Annulus B and Annulus C at 12.8 m from surface
- With full cooperation of our client, we set a resin plug on the top of cement and set a second resin plug to cover the depth where the communication was identified
- The annulus B was fully sealed, and the client was able to put the well back in production

Expro Excellence

- Expro's annulus intervention system was run in the B-annulus to a depth of 30 meters to create circulation and to set a resin plug at the 7" casing TOC (around 97 m)
- By circulating a lighter fluid from 20 m to surface, it was possible to place resin on top of the brine column to set a second plug in Annulus B and block the communication with Annulus C
- Expro are the only company who could set multiple plugs in the annulus without disrupting the integrity of inner casings and without stopping production

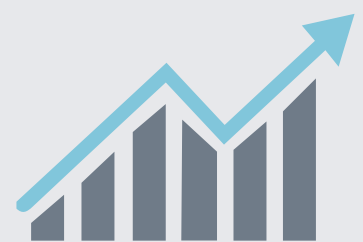
Value to the client

- This is the first time we have placed two resin plugs in the same annulus
- By setting multiple plugs the clients are able to correct several integrity problems present in the same well in a single run, it extends the integrity mitigation options to cover additional solutions in the annulus that were not considered before as there were no technology available to perform this kind of operations
- By securing the B annulus the client was able to put the well back in production
- The alternative solution for the client would have been a full workover intervention or well abandonment
- Expro were able to put the well back in production and this resulted in savings of \$1m in intervention costs for our client

World's first



Increased productivity



Contact

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