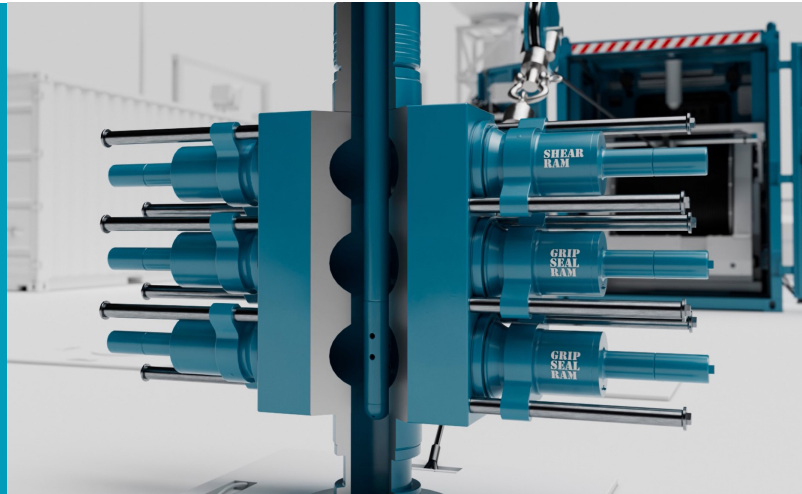


Expro Excellence

# CoilHose™ enables DHSV reactivation to return well back into production

Well Intervention & Integrity



## Objectives and background

- Our customer had a non-functioning DHSV due to calcium carbonate scale build up shallow in the production tubing
- Previously, the customer had bull headed acid from surface to mitigate the scale build up every 3 months, but this proved to be unsuccessful and the DHSV was not reinstated
- Subsequently, the well was shut in with the loss of production as a result

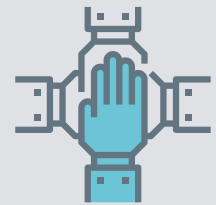
## Expro Excellence

- Expro's CoilHose™ system was chosen for the remediation of the DHSV due to our existing track record with the customer and proven success on similar applications. CoilHose™ is a well intervention system that combines the operational efficiency of a wireline deployment with the capability to perform a range of nitrogen and fluid pumping applications
- Expro deployed a 'hybrid' CoilHose™ package to work in conjunction with OKEA's existing wireline vendor resulting in an integrated service provision
- The ability to run a memory Caliper on CoilHose™ prior to jetting gave a better understanding of the scale issue, this was performed by a multi-skilled crew and eliminated the need for extra personnel

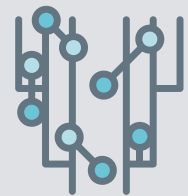
## Value to the client

- Expro mobilized, rigged up and performed two runs over a 6-day period. This incorporated the memory Caliper run for confirmation of the well parameters and scale build up, this also confirmed the BHA configuration required
- Enviro-Syn® HCR-3000® Synthetic Acid™ was used for this application, Enviro-Syn HCR-3000 provides a safe, effective alternative to conventional strong mineral acids such as HCL
- The jetting run with a tailored jetting BHA was completed over an 18-hour period. A total of 11 M³ of HCR3000 was pumped to clear the scale from the upper completion and re-instate the DHSV back to full functionality

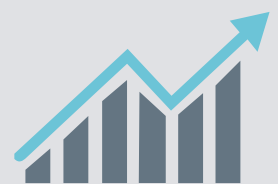
### Partnership



### Well integrity



### Enhanced production



**The CoilHose service from Expro has proven to be a successful method to remove scale from downhole safety valves when standard acid treatments have been unsuccessful**

Torje Tvedt  
Senior Intervention Engineer  
Okea