

Expro Excellence

Cost-effective dual leak repair with Coiled Tubing and Coretrax ReStore technology

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Objectives and background

- An operator in the Middle East encountered tubing leaks in a 3-1/2" 9.2 ppf base tubing string. Initial diagnostics identified a breach at approximately 1375 ftMD, which was later confirmed to be two distinct leaks located at 1337 ftMD and 1413 ftMD, respectively
- The tubing had an internal diameter of 2.992", but the completion included a nipple profile restriction that limited the maximum running outer diameter of any patch to 2.750" or smaller

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- With Coiled Tubing on location, Expro proposed the **ReStore** system from the **Coretrax Metal Expandables** portfolio, utilizing 2.750" OD tubing straddles
- Although the ReStore system is typically a single-depth solution, it can be optimized for stacked or individual deployment via multiple runs. This flexibility allows for a gas-tight, cost-effective, and ID-optimized solution across multiple leak points

Value to the client

- In this case, the spacing between the two leaks enabled the installation of two individual 34 ft straddles. **Straddle #1** was run in hole (RIH) to 1429 ftMD and activated via ball drop. The straddle was set in place by expanding the upper and lower seals in a single stroke, isolating the leak at 1413 ftMD. The expansion targeted only the recessed seal areas, leaving the straddle body unexpanded and eliminating the need for overpull
- Following retrieval of the running tool, **Straddle #2** was RIH to 1353 ftMD and set using the same activation and expansion process to isolate the leak at 1337 ftMD
- The deployment and setting of each patch took approximately two hours. A subsequent positive pressure test confirmed successful isolation of both leak points

Fast track



Bespoke solution



Quality standard

