

Case Study: Significant Cost Savings with High Expansion Solution

Challenge

An Operator in the Middle East was experiencing communication between the Control Line and the Tubing Hanger which was jeopardizing the integrity of the Downhole Safety Valve (DHSV). To investigate further, the client locked open the DHSV with a hold open sleeve to allow intervention and required a solution which would pass the 2.20" ID of the sleeve and set inside the 3.5" tubing. The client also wanted to avoid using Coiled Tubing due to the high expense and the time it would take to complete the repair to the Xmas Tree and Tubing Hanger.

Solution

Interwell proposed two 180-350 High Expansion (HEX) Retrievable Bridge Plugs to act as a double mechanical barrier for the client's challenge. The HEX Bridge Plug can be set and retrieved on Slickline, which enabled a more cost efficient solution for the Operator and eliminated the need for Coiled Tubing.

Value Created

Due to the small OD and large setting ID of the HEX Bridge Plug, the Operator could pass the tight restriction and regain integrity of the DHSV. Using Coiled Tubing spread over approx. six days with incurring cost for such an operation vs utilizing Slickline as a mean of deployment of the HEX plugs using two days to conclude client's objective was a cost-effective solution. In addition, carrying out a rigless intervention and having minimal personnel on board to complete the job, provided further significant time and cost savings to the customer.

Date:

February 2017

Region/Field:

U.A.E

Key Capabilities:

- Highest expansion retrievable bridge plug on the market
- Short tool length
- Ideal for workover applications: tubing barrier and fixed choke
- Slim design (small OD)

