



High Expansion Retrievable Bridge Plug (HEX) in Russia, West Siberia

Year: August 2020

Region: Russia, Yamal-Nenets



Key Capabilities

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

Challenge

A major operator in Russia (Yamal-Nenets Region) faced problems on one of the best gas producing well with a leak in a connection of the production tubing which required new tubing installation with temporarily isolation of the lower production zone. With the ID of approximately 2.95" measured via drift, the client needed a solution to pass full length of the tubing and set the plug in the 13.5# 4.5" liner above the production zone to secure the well.

Solution

Interwell provided a superior solution by installing High Expansion Retrievable Bridge Plug (HEX) that were set in the 13.5# 4.5" liner above the production zone. The HEX bridge plug was run on Wireline with tractor due to 90 degree angle of the well set and tested to 3,000 psi differential without any issues.

After tubing retrieval and new tubing installation HEX plug was successfully retrieved on Wireline with the Stroker tool and pulled through the tubing without any issues all the way to surface.

Value Created

By using Interwell's HEX bridge plugs, the well challenge was addressed with a smart solution that was able to pass through the restriction in tubing when no other option was economically feasible. The alternatives would have involved significant time and cost for the additional equipment required, as well as leading to operation complexity.

The Interwell HEX retrievable bridge plug was recommended as a best technical and cost effective solution because of slim design, high differential pressure rating with a good history run .

