



Intervention - less Completion

Date: 10.07.2020
Region: NCS



Key Capabilities

- Developed new product in less than 6 months
- Intervention-less completion
- Self-filling when running closed ended
- Large bore after opening
- High Circulation rate

Challenge

A major operator on the Norwegian Continental Shelf recently implemented an improvement program focused on increasing standardization and efficiency on platform well operations. Intervention was required to remove pre-installed plugs and had to be done on rig time due to limited rig-up height. To increase operational efficiency Interwell was challenged to come up with a solution to achieve post completion as offline activities.

Solution

The operator utilized Interwell's Inter Remote Shatter Valve (IRSV) as the deep barrier plug together with Tubing Check Valve (TCV). Flapper valves in the TCV allow well fluid to flow from the annulus into the tubing, self-filling the tubing during RIH. The Inter Remote Bypass Valve (IRBV) was used as the shallow barrier valve. It was installed with the bypass ports in open position allowing for communication down tubing. The Completion was landed and the well was pressured up against the deep IRSV and TCV to set the Production Packer. Prior to BOP removal, the IRBV was remotely activated to close position, leaving a Vo bi-directional barrier in the well. After installation of an x-mas tree both the shallow IRBV and the deep IRSV were successfully cycled open to start well production.

Value Created

The combination of these completion products led to a successful well completion with no mechanical intervention, saving 4 days of rig time.

