

Inter Remote Shatter Valve (IRSV) remotely opened after 674 Days

Date: 2019
Region: NSC



Key Capabilities

- *Intervention-less*
- *Bi-directional Barrier Valve qualified to ISO 14310 Vo*
- *Full bore ID after opening*
- *Debris tolerance*

Challenge

A major operator on the Norwegian Continental Shelf was planning to batch complete 10 middle completions. The challenge was to find a robust system that allowed for temporary suspension leaving an ISO 14310 Vo qualified barrier in the well. After the suspension period upper completion was to be installed before the rig moved away and a light well intervention vessel to install x-mas tree. The goal was to perform all these activities with minimized mechanical intervention.

Solution

Interwell proposed using an Inter Remote Shatter Valve (IRSV) which is a multicycle, remote-activated glass plug. IRSV is known for its robust cycling mechanism and debris-friendly system. The plug was installed as part of the completion tubing with the glass being bi-directional ISO 14310 Vo qualified. With predetermined cycling setup, the plug cycles open leaving a full-bore ID through the valve.

Value Created

Through using the IRSV the operator was able to batch complete all wells with a reliable barrier in place from temporary suspension to the XMT was installed. The IRSVs were successfully cycled open on all 10 wells and no intervention was required. The longest suspension period from installation to remotely opening was 674 days.

