Case Study:

Optimized Intervention with Interwell Glass barrier device

Date: May 2021
Region: NCS

Key Capabilities

- *Remote activated*
- *Bi-directional barrier qualified to ISO14310 Vo*
- *Full bore ID after removal*
- *Efficient removal*
- *Always manage to remove the plug*

Challenge

A major operator in NCS had an issue with a leaking SPM, Interwell was challenged to find an improvement program focused on limiting the need for intervention and optimizing the efficiency on platform well operations.

As the well was installed with screen in the lower completion a test of the Interwell APS straddle elements were not achievable without installing a deep-set bridge plug to pressure test against.

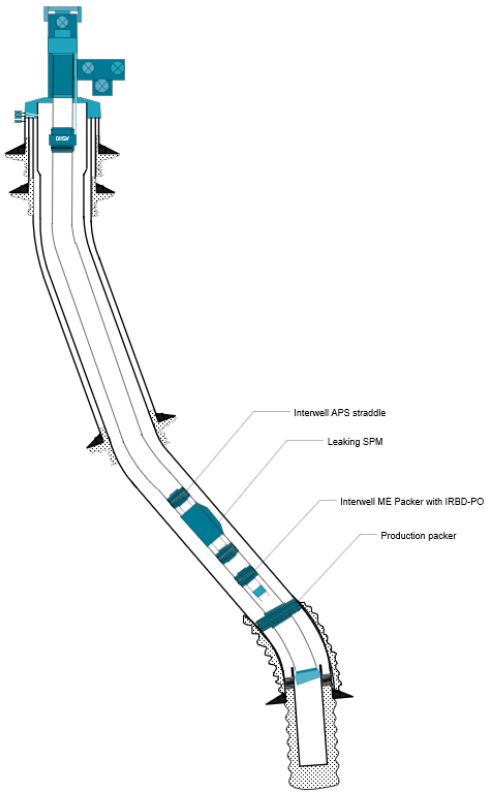
Solution

Interwell proposed to implement the Inter Removable Barrier Device Pump open (IRBD-PO) and run it in conjunction with the Interwell ME packer. By combining the IRBD-PO and the ME packer assembly the well intervention required was reduced to a minimum, increasing the value per well and reducing the risk associated with well intervention.

The IRBD-PO is a bi-directional barrier plug which can be installed below any intervention tool or as an integrated part of the completion string. The tool is qualified according to ISO 14310 and 14998 validation grade Vo. The barrier is removed remotely by pressuring up the well above the pre-determined shear value. The main benefits by utilizing glass technology is that you will always be able to open, the contingencies are either mill or spear.

Value Created

By implementing the IRBD-PO to the ME packer the operator increased the operational efficiency and reduced the operational associated risks by avoiding intervention runs for retrieval of a bridge plug. The IRBD-PO was successfully opened at the pre-determined shear value.



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