

Case Study: First Matrix Installation in North Sea

Challenge

When the client's well integrity was uncertain, there was a requirement for both a deep and shallow bridge plug to secure the well prior to performing the required top side A-annulus maintenance to check the integrity. The well history showed scale present above the downhole safety valve and the potential for debris further downhole.

Solution

Interwell proposed to run a deep 420-550 HPHT retrievable bridge plug with a top junk basket to prevent debris from entering the plug. The HPHT plug and junk basket were both set with the 3.50" Electronic Setting Tool (EST).

For the shallow plug, Interwell proposed to use its new ISO VO certified 572-700 Matrix. The Matrix is short in length and was mobilized pre-assembled to the EST. It is ideal for shallow-set applications where a simple and cost-effective bridge plug is required to perform top side maintenance or repair.

Value Created

For this application, the client needed a simple plug to be set and pulled on wireline. The Matrix is a cost-effective solution for shallow plugs and further time and costs were saved by preparing the EST and Matrix onshore.

Date:

November 2015

Region/Field:

Norwegian North Sea

Key Capabilities:

- Cost-effective
- Qualified according to the ISO 14310 international standard
- Short plug with a moderate element expansion
- Ideal for applications above well restrictions

