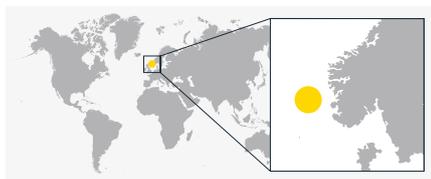


BP becomes the first operator in UK to utilize the benefit of Archers VAULT® system



Region: UK, North Sea
Customer: BP UK
Well Type: Development
Reference: UK100618 / 18-140223

Case Benefits

- Trip saving
- Time saving
- HSE benefit - reducing pipe handling
- Reduced red zone activity
- Minimum of 3.5 hours time saved during setting

Key Capabilities

- ISO14310 VO rated gas tight seal
- Single trip dual plug system
- Ability to run two retrievable bridge plugs in a single trip
- Experienced personnel offshore
- Equipment availability
- Time saving during setting and retrieval

Typical Applications

- Well suspension
- Dual barrier implementation

Challenge

In the aim of performance optimization, BP wished to explore the option of trialling the VAULT® system to suspend a well using a single string to set two plugs.

The well was set to be suspended following drilling operations, for completion at a later date. BP required two VO rated well barriers to be in place for the suspension.

Conventionally two barriers would be set individually with dedicated deep and shallow trips.

Solution

The VAULT® dual plug system comprising of a TIMELOCK® plug and a VAULT® upper plug would allow to set the deep plug at 3,891m and set the shallow plug at 647m while pulling out of hole. The VAULT® system would save a second trip in hole, time savings and eliminating the HSE risk of tripping pipe.

A further benefit of the VAULT® system is the opportunity to retrieve both plugs in the same trip upon re-entry of the well.

This can save further rig-time and reduce the HSE risks associated with pipe handling for dedicated trips

Result

The VAULT® system was successfully set in a single trip, saving BP a minimum of 3.5hours rig time based on plug setting depths. This was the first VAULT® system to be set in the UK.

The success of the VAULT® system on the Deepsea Aberdeen has led to discussions around future implementation across other BP assets in the future. The VAULT® system has demonstrated a number of potential benefits for a variety of planned and contingency operations

Further time saving benefits could be realized if optimizing the amount of pipe left in hole during suspension between the shallow and deepset plugs.

VAULT® will further benefit operators with time savings as a result of retrieving both plugs in a single trip.

