



Wellbore History

GENERAL

Well 25/2-19 A is a side-track to wellbore 25/2-19 S. The well was drilled to test the Nordfjellet prospect north of the Frigg Delta structure on the Bjørgvin Arch in the North Sea. The primary objective was to test the hydrocarbon potential in the Middle Jurassic Hugin Formation. A secondary objective was to test the hydrocarbon potential in the lower Sleipner Formation, which contained a minor condensate discovery in well 25/2-18 C.

OPERATIONS AND RESULTS

Wildcat well 25/2-19 A was kicked off from 1102 m in the primary wellbore on 11 September 2017. It was drilled with the jack-up installation Mærsk Interceptor to TD at 4210 m TD (4044.2 m TVD) in the Middle Jurassic Sleipner Formation. Operations proceeded without significant problems. The well was drilled with EMS 4600 oil-based mud from kick-off to TD.

A thin injected sandstone of early Oligocene age at 1580 to 1589 m (1547.8 to 1555.4) contained hydrocarbons based on petrophysical evaluation. A water-bearing Frigg Formation was penetrated from 2131.5 m to 2260.1 m (2015.8 m to 2133.1 m TVD) as expected. For the middle Jurassic, both the primary Hugin target and the secondary Sleipner target were dry. However, the Hugin Formation contained possible HC shows based on petrophysical log interpretation. Cuttings taken from the wells were all highly contaminated by drilling fluids and can therefore not be used as support for the petrophysical evaluation. Fluid sampling in the Hugin Formation was called off due to tight formation. However, fluid samples were collected in the lower Sleipner Formation, where the results indicated residual condensate.

No cores were cut. An MDT fluid sample was taken at 4158.89 m. The content was water and a hydrocarbon phase consisting of 90% OBM with 10% condensate.

The well was permanently abandoned on 8 October 2017 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/2-19 A