



Wellbore history

Well 25/2-18 C is the third geological sidetrack to well 25/2-10 S, located on the Bjørgvin Arch, four kilometers south of the 25/2-10 S (Frigg Gamma Delta) oil/gas discovery and eight kilometers north of the Frøy field in the North Sea. The 25/2-18 S well and the first sidetrack proved oil in the Middle Jurassic Hugin Formation, the Langfjellet prospect. The second sidetrack, 25/2-18 B was dry. The sidetrack 25/2-18 C was drilled to the west of the main wellbore, located in a separate segment of the Langfjellet structure. Objective for sidetrack 25/2-18 C was to test the hydrocarbon potential in Hugin and Sleipner Formations.

OPERATIONS AND RESULTS

Appraisal well 25/2-18 C was kicked off at 1575 m in the main well bore on 31 October 2016. It was drilled with the jack-up installation Mærsk Interceptor to TD at 4369 m (4029 m TVD) m in the Early Jurassic Drake Formation. No significant problem was encountered in the operations. The well was drilled with Versatec oil based mud from kick-off to TD.

Top Hugin Formation was encountered at 3887 m (3563.4 m TVD) and top Sleipner Formation at 4029 m (3700.4 m TVD). A 137 m TVD gross oil column within in the Hugin Formation was proven in the well with an oil-down-to contact at 4028 m (3699 m TVD). In addition, a condensate column was encountered within the Sleipner Formation with a condensate-water contact 4184.6 m (3850.8 m TVD). This gives gross column of 16 m within the Sleipner Formation. There were no reliable oil show above the OBM in the well.

No conventional cores were cut. MDT fluid samples were taken at 3891.54 m (oil), 3891.55 m (oil), 3941.56 m (oil), 3963.21 m (water and OBM filtrate), 3983.14 m, and 4178.8 m (condensate).

The well was permanently abandoned on 17 November 2016 as an oil appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/2-18 C