



Wellbore History

GENERAL

Well 34/7-36 S was drilled on the Kvitvole prospect on the Tampen Spur between the Visund and Snorre fields in the North Sea. The Kvitvole primary objective was to test the hydrocarbon potential in Intra-Draupne Formation sandstone. The secondary objective was to test the Blåvola prospect, with possibly hydrocarbon filled sandstones within the Brent Group.

OPERATIONS AND RESULTS

Wildcat well 34/7-36 S was spudded with the semi-submersible installation Borgland Dolphin on 28 July 2014 and drilled to a depth of 1232 m. When running the 20" casing, the casing was stuck at 1119 m. The well was subsequently sidetracked (34/7-36 S T2) at 829 m, and drilled to TD at 3690 m in the Middle Jurassic Ness Formation. The well was drilled with seawater and hi-vis sweeps down to TD at 1235 m in the original hole. The 34/7-36 S sidetrack was drilled with Inovert oil based mud from kick-off to TD. After drilling to TD in the 17 1/2" section a 5-m3 spill of OBM to sea occurred.

The Draupne Formation was encountered at 3396 m. However, the main target of the well, intra Draupne sandstone, was not present. The Brent Group was encountered at 3590 m. Reservoir sandstones were encountered, but the reservoir quality was poorer than expected. No hydrocarbons were observed. Evaluation of oil shows were made difficult due to the use of oil based mud. The only definite oil show described was in a limestone stringer at 3272 m.

No cores were cut in the well. No wire line logs were run in the 8 1/2" section and thus no fluid sampling was attempted the target reservoirs. Due to elevated resistivity in an unexpected Heimdal Formation sandstone two wire line runs were performed in this section. The Heimdal Formation proved water bearing. MDT sampling at 2051 m gave samples with traces of OBM in water.

The well was permanently abandoned on 17 September 2014 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 34/7-36 S