



Wellbore History

GENERAL

Well 31/8-1 was drilled on the Breiflabbb prospect in the Stord Basin south of the Troll Field in the North Sea. The primary objective was to prove commercial volumes of hydrocarbons in the upper Jurassic Sognefjord formation, which is also the main reservoir in the Troll Field. Deeper secondary targets for the well are the lower to middle Jurassic Johansen formation, the Brent Group, the Krossfjord formation and the Fensfjord formation.

OPERATIONS AND RESULTS

Wildcat well was spudded with the semi-submersible installation Borgland Dolphin on 27 June 2011 and drilled to TD at 2629 m in the Middle Jurassic Krossfjord Formation. A 9 7/8" pilot hole was drilled from 30" shoe to 969 m to check for shallow gas before opening up the hole to 26". No shallow gas was seen. No significant problem was encountered in the operations. The well was drilled with hi-vis bentonite sweeps down to 969 m, with Aqua-Drill mud with 3-5% glycols from 969 m to TD.

Top Draupne came in 110 m thick at 1999 m. Top Sognefjord Formation, top Fensfjord Formation and top Krossfjord Formation came in at 2123 m, 2366.5 m, and 2498 m, respectively. All formations were water bearing and no oil shows were recorded in the well. Lower Krossfjord was first believed to be the Brent Group. Biostratigraphy concluded however that the well did not penetrate top Brent, and so the well was terminated in the Krossfjord Formation.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 24 July 2011 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 31/8-1