



Wellbore History

GENERAL

Well 30/11-10 was drilled on the Krafla North prospect located on the edge of the Horda Platform towards the Viking Graben. Krafla North is located north of and close to the 30/11-8 S Krafla discovery. The primary objective was to prove reserves in the Tarbert, Ness, and Etive formations of the Brent Group.

OPERATIONS AND RESULTS

Wildcat well 30/11-10 was spudded with the semi-submersible installation Transocean Leader on 1 November 2014 and drilled to TD at 4079 m in the Early Jurassic Drake Formation. For field development data, acquisition purposes a 12 1/4" pilot hole was drilled from below 20" shoe and down through Skade, Oligocene and Grid sands to 1652 m. No significant problem was encountered in the operations. The well was drilled with spud mud down to 807 m and with XP-07 oil based mud from 807 m to TD.

Top Brent Group, Tarbert Formation was encountered at 3445 m. The well proved oil in Tarbert and Etive Formations and rich gas-condensate in the Ness Formation. The upper part of Tarbert down to 3554 m had poor reservoir properties. The Brent Group succession proved oil-down-to (ODT) situations in most of the reservoir intervals. However, an in-well oil-water contact was estimated 3659 m in the Tarbert Formation based on PVT and pressure data. Shows were described throughout the Brent Group, including the Rannoch Formation. In the cored section of upper Drake Formation, weak residual shows were observed.

Two cores were cut. Core number 1 recovered 54.5 meters from 3575 to 3629 m in the Tarbert Formation while core number 2 recovered 43.8 meters from 3997.2 m in the Rannoch Formation to 4041 m in the Drake Formation. MDT fluid samples were taken at 1025 m (water), 1313.5 m (water), 1463.5 (water), 3555.2 m (oil), 3590.3 m (oil), 3610.8 m (oil), 3663.8 m (water), 3896.7 m (oil), 3950.1 m (water), and 3994.2 m (oil).

The well was permanently abandoned on 26 December 2014 as an oil and gas/condensate well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 30/11-10