



Wellbore History

GENERAL

Well 30/11-10 A was drilled as a geological sidetrack to 30/11-10 in order to appraise the Krafla discovery made by well 30/11-8 S in 2011. Krafla is located south of and close to the Krafla North discovery made by the 30/11-10 well, on the edge of the Horda Platform towards the Viking Graben. The primary objective was to reduce uncertainty in oil-in-place in Krafla and to verify communication with Krafla North. Secondary objective was to obtain high-quality fluid samples from Krafla Tarbert Formation.

OPERATIONS AND RESULTS

Wildcat well 30/11-10 A was kicked off from 2001 m in 30/11-10 on 28 December 2014. It was drilled with the semi-submersible installation Transocean Leader to TD at 3948 m (3696 m TVD) m in the Middle Jurassic Ness Formation. On 10 January 2015, at 3777 m in the 8 1/2" section, drilling was discontinued for 12 days due to damaged top drive and bad weather. Otherwise, no significant problem was encountered in the operations. The well was drilled with XP-07 oil based mud from kick-off to TD.

Top Brent Group, Tarbert Formation was penetrated at 3610 m (3359.2 m TVD). Hydrocarbons were proven in the Tarbert Formation from 3654 m (3403 m TVD) with a main oil bearing sandstone between 3717 to 3731 m (3466 to 3480 m TVD). Pressure points and logs indicate an OWC around 3753 m (3502 m TVD). Shows were described in Tarbert and Ness formations.

No cores were cut in the well. Pressures in Tarbert Formation are close to those seen in 30/11-10 Krafla North, but variable pressure measurements in Krafla North did not provide reliable gradients so communication within Tarbert between Krafla and Krafla North cannot be concluded. Pressures within the Ness Formation does not support communication between Krafla and Krafla North. MDT fluid samples were taken at 3655.5 m (oil), 3660.4 m (water), 3683.5 m (oil), 3693.5 m (oil), 3719.1 m (oil), 3764.3 m (water).

The well was permanently abandoned on 13 February 2015 as an oil appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 30/11-10 A