



Wellbore History

GENERAL

Well 33/2-1 was drilled to test the Storm prospect on the Manet Ridge in the northern North Sea. The well is located ca 4.5 km south of the 6201/11-1 discovery well. The primary objective of 33/2-1 was to test the reservoir properties and hydrocarbon potential of Late Jurassic Draupne sandstones, an equivalent to the Magnus Formation. The secondary objective was to test the reservoir properties and HC potential of the possible Eocene sandstones. The TD criterion was to drill to approximately 50 m into Triassic sediments, with planned TD at 4524 m.

OPERATIONS AND RESULTS

Wildcat well 33/2-1 was spudded with the semi-submersible installation Transocean Arctic on 7 October 2014 and drilled to TD at 4459 m in the Late Triassic Raude Formation. No significant problem was encountered in the operations. The well was drilled with seawater and viscous sweeps down to 483.5 m, with KCl/glycol mud from 483.5 m to 1422 m, with Performadril water based mud from 1422 m to 2008 m, and with oil based mud from 2208 m to TD.

The primary and the secondary objectives were not encountered. The well proved hydrocarbons (gas/condensate) in non-commercial quantities in two zones in this well. The Early Cretaceous Mime Formation had one meter net pay with HC in the interval 3935 to 3952 m, while the Early Jurassic Eiriksson Formation had 2.6 meter net pay with HC in the interval 4387 to 4411 m. In addition, oil shows were described on cuttings in an Eocene sandstone at 1821 m and in the Lista Formation from 2031 to 2058 m. Oil shows were described also on sidewall cores from the interval 3867 to 4449 m. The oil shows below 2208 m are uncertain, possibly affected by OBM.

No cores were cut. MDT fluid samples were taken at 3943 m (OBM filtrate) and 4409.6 m (oil with 62% mud filtrate contamination). The samplings showed rather tight formations.

The well was permanently abandoned on 26 December 2014 as a dry well with shows.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 33/2-1