



Wellbore History

GENERAL

Exploration well 33/9-16 well is located 1.8 km south of the recently drilled 33/9-15 well. It is located just north of Statfjord East and south of Statfjord North in the southern part of License PL 172 updip from the 33/9-15 well and within the same seismically defined Intra Draupne deposits of Volgian age. The primary objective was to evaluate the hydrocarbon potential of the Late Jurassic (Volgian) Intra-Draupne Formation sandstone ("Munin sandstone unit") above the oil/water contact (2719 m subsea), found in the 33/9-15 well. The secondary objective was to evaluate the Middle Jurassic sands of the Brent Group.

OPERATIONS AND RESULTS

Well 33/9-16 was spudded with the semi-submersible installation "Ross Isle" on 28 November 1992 and drilled to TD at 2870 m in the Middle Jurassic Ness Formation. The well was drilled water based with sea water and hi-vis pills down to 407 m, sea water and PHB/PAC from 407 m to 1106 m, and with KCI/PHPA/PHB/PAC mud from 1106 m to TD.

In the Upper Jurassic, the Intra Draupne Formation Sandstone was found as sandstones interbedded with thin siltstones. A 4.3 m zone with oil shows was encountered in the uppermost part of this unit based on shows while drilling and MWD. Three cores were cut in the Draupne Formation. Except for the top meter, the entire Intra Draupne sandstone unit was cored. The top 4 m of the core consisted of a sandstone with good porosity and oil shows.

In the Middle Jurassic Brent Group, no oil shows were observed in sandstones of the Tarbert and Ness Formations and as a result no cores were cut. An RFT and an MDT sample were taken at 2685 and 2684.5 m respectively and contained water and some gas but only traces of oil. A second MDT sample from 2713 m in the Intra Draupne Formation Sandstone contained water, slight traces of oil, and negligible gas. No wire line samples were taken in the Brent Group.

The well was permanently abandoned as a dry hole with oil shows on 20 January 1993.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 33/9-16