



Wellbore History

GENERAL

Well 6608/10-13 was drilled on the Fløyen North Prospect on the Nordland Ridge, east of the Norne Field in the Norwegian Sea. The main objective for the well was to prove hydrocarbons in Åre 2 Formation. A secondary objective was to test the potential in a deeper reservoir (Åre 1).

OPERATIONS AND RESULTS

Wildcat well 6608/10-13 was spudded with the semi-submersible installation Ocean Vanguard on 17 October 2009 and drilled to TD at 1442 m in the Early Jurassic Åre Formation. No shallow gas was observed by the ROV at the wellhead or by the MWD while drilling the 36" hole or the pilot hole. Operations proceeded without significant problems. The well was drilled with sea water and sweeps down to 1136.5 m, and with Performadril WBM mud from 1136.5 m to TD.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous, and Jurassic age. The well did not penetrate the Åre 2 as prognosed, instead the Åre 1 came in 81 m shallow to prognosis. The Åre 1 unit consisted of alternating mudstones, coals and sandstones, and the sandstones in general exhibited high porosity and permeability throughout. The Åre 1 unit was water filled with a water gradient of 1.02 g/cc evaluated from MDT recorded pressure measurements. No oil shows were recorded in the well and the gas readings were close to zero.

No cores were cut. The MDT tool was run for pressure points only, no fluid samples were taken.

The well was permanently abandoned on 7 November 2009 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6608/10-13