



Wellbore History

GENERAL

The Galtvort well 6407/8-4 S is located on the eastern margin of the Gimsan Basin in the Norwegian Sea, ca 7 km northwest of the Draugen Field. The primary objective was to test the hydrocarbon potential of the Middle Jurassic Garn and Ile Formations of the Galtvort prospect. The secondary objective was to test the hydrocarbon potential of prospective formations in the Early Jurassic Båt Group.

OPERATIONS AND RESULTS

Wildcat well 6407/8-4 S was spudded with the semi-submersible installation West Alpha on 20 April 2008 and drilled to TD at 2788 m (2650.3 m TVD) in the Early Jurassic Åre Formation. The well was drilled vertical down to 1240 m, and then deviated with up to 39 deg inclination at 1980 m, then falling off to 19.5 deg at TD. The well was drilled with water based spud mud down to 930 m, and with Glydril mud from 930 m to TD. No significant technical problems were encountered in the operations. No shallow gas was observed by the ROV at the wellhead or by the MWD while drilling the 26" hole.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous, and Jurassic age. The Garn reservoir section was encountered at 2212 m (2118 m TVD), 77 m shallower than prognosed, and proved a GWC at 2280 m (2178 m TVD). The remaining reservoirs were found to be water bearing, but residual oil staining and high gas readings from cuttings during drilling, log responses and oil shows on core indicated residual hydrocarbons in the Ile Formation.

One 27.2 m core was cut from 2221.0 - 2248.2 m in the Garn Formation. The general lithology in this core was sandstone with traces of claystone. A second core was cut from 2379.0 - 2405.3 m (26.3 m long) in the Ile Formation. The general lithology in this core was sandstone with shale laminations. MDT wire line gas samples were taken at 2232 m and at 2186.5 m. Sampling was performed with only a few bar drawdown and the samples are believed to be representative of the formation fluids.

The well was permanently abandoned on 21 May 2008 as a gas discovery.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6407/8-4 S