



Wellbore History

GENERAL

Well 6507/3-4 is located on the Alve structure, which is a horst, located in the north central part of block 6507/3 on the Dønna Terrace. The main objective of this appraisal well was to prove down flank oil resources in the Middle Jurassic sandstones of the Garn and upper Not Formations. The secondary objective was to prove oil in the Ile Formation.

OPERATIONS AND RESULTS

Well was spudded with the vessel West Navigator on 14 March 2004 and drilled to TD at 4092 m in the Early Jurassic Åre Formation. The well was drilled with seawater and bentonite down to 1250 m, with KCl/polymer/glycol from 1250 m to 2300 m, and with oil based mud (Paratherm) from 2300 m to TD. A shallow gas warning class 1 was given for the interval between 950 to 1370 m, based on gas peaks observed in well 6507/3-1. A pilot hole was drilled down to 1250 m. No shallow gas was observed.

The well penetrated the reservoir below the hydrocarbon-water contact in the Garn, Not and Ile Formations. Top Garn Formation was encountered 7 m below prognosis. Moveable hydrocarbons were not proven, only shows throughout the Garn and Not Formations and discontinuous weak to moderate shows in the Ile, Ror, and Tilje Formations from 3805 m to 4000 m. Two cores were cut in the Garn, Not and Ile Formations and nine MDT water samples were collected in Garn, Ile and Tilje Formations. The Garn sample from 3726 m contained approx 2 dl of hydrocarbon fluid, which proved to be mud filtrate (base oil) with some dissolved residual oil from the formation.

The well was permanently abandoned on 30 April 2004 as a dry well with shows

TESTING

No drill stem test was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6507/3-4