



Wellbore History

GENERAL

The objectives of the Helland-Hansen prospect exploration well 6505/10-1 were to obtain geological data and information down to 5000 m or Lower Cretaceous, to evaluate the HC potential of the Upper Cenomanian to Upper Coniacian interval of Helland-Hansen prospect in terms of reservoir and hydrocarbon phase, and to take appropriate samples in terms of reservoir, pressures and fluids.

OPERATIONS AND RESULTS

Exploration well 6505/10-1 is located in the southern part of the Vøring Basin, m PL210, some 70 km West of the Smørbukk field and 250 km from the Norwegian mainland. After cementing the 20" casing string, it was decided to re-spud the well due to shallow water flow. The initial well was temporarily abandoned and re-numbered 6505/10-1X. The final well, numbered as 6505/10-1, was drilled to target depth of 5026 m TVD. The main objectives of the well were fulfilled. However, the reservoir quality of the target sequence was very poor, affecting sampling of pressures and formation fluids Based on the poor reservoir quality, no well testing was carried out. Two cores were cut in the Lysing Formation in the intervals 3485 to 3493 m and 3693 to 3720 m RKB, and one core was cut in the Lange Formation from 3857 to 3884 m. Two MDT samples were collected at 3718.6 m RKB but well site analyses established them to contain mainly filtrate and water and no moveable hydrocarbons. The well was permanently plugged and abandoned as a dry hole on 4th of July 1998.

TESTING

No DST was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6505/10-1