



Wellbore History

GENERAL

Well 6305/7-1 was the first well drilled in licence PL 208 and the second in the Møre Basin deep-water area. The well was targeted at the Barden prospect at Tertiary level. The main objectives of the well were to establish the presence, quality and fluid content of the Lower Tertiary Egga Member in the Tang Formation and to penetrate a seismic flat-spot within this unit.

OPERATIONS AND RESULTS

Wildcat well 6305/7-1 was spudded in 857 m water depth with the semi-submersible installation "Ocean Alliance" on 6 July 1998 and drilled to TD at 3377 m in the Late Cretaceous Springar Formation. The well was drilled water based with seawater and hi-vis pills down to 1708 m and with KCl/NaCl/PAC mud from 1708 m to TD. Drilling went without major problems but was suspended from 20 July to 1 August (10 days) due to fishing regulations. Top Egga Member sandstone was penetrated at 2911 m. The reservoir was recognized by an abrupt increase in LWD resistivity and a decrease in LWD gamma. A total of 4 cores were cut from the Egga Member and top of the Springar Formation in the interval 2917 m to 3012.5 m with a total recovery of 94 m (98%). MDT samples were taken at 2921 and 2937 m in the Egga Member sandstone. The samples contained dry gas (93.5 % methane). Wire line coring and sampling proved a gas column from 2915 m to 2939.5 m. Both the reservoir thickness of the Egga formation and the net to gross were better than expected. The well was plugged and abandoned on 30 August 1998 and was classified as a gas appraisal well for the Ormen Lange 6305/5-1 gas discovery.

TESTING

A drill stem test was performed in the interval 2915 m to 2931 m. The test flowed dry gas (93.3 % methane) with a GOR of 11000 Sm3/Sm3

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6305/7-1