



Wellbore History

GENERAL

The deviated well 9/2-7 S was drilled as an exploration well to identify the oil potential in the Beta Vest prospect on the Yme Field in PL 114. The well was drilled in the northern segment of the Beta Vest structure with the sandstones of the Sandnes Formation as the target horizon. The well was planned to be completed as an oil producer and be renamed to 9/2-B-3H.

OPERATIONS AND RESULTS

Wildcat well 9/2-7 S was spudded with the semi-submersible installation "Byford Dolphin" on 22 April 1997 and drilled to a total depth of 4099 m (3369.7 m TVD MSL) in the Middle Jurassic Bryne Formation. It was drilled from slot 3 on the Yme Beta HOST template with an "S" shaped profile in order to drill vertically through the Sandnes Formation. The Sandnes S12 target was penetrated approximately 1757 m North North-West of the template, at an inclination of about 5 deg. A 7" liner was run over the reservoir section. The bottom section fro 3923 m to TD was drilled with turbine and diamond bit. The well was drilled with seawater to 1192 m, with KCl polymer mud from 1192 m to 256 m, with ester-based Petrofree mud from 2576 m to 3867 m, and with Aquadrill glycol mud from 3867 m to TD. The well found oil all through the Sandnes Formation. The top of the Sandnes Formation was encountered at 3854 m (3125.6 m TVD MSL), with the top of the Sandnes Formation S11 reservoir sandstone at 3861,7 m (3133,3 m TVD MSL). The oil/water-contact was found in the Bryne Formation sandstones at 4067m MD (3337.9 m TVD MSL). Two cores were cut in the interval 3868 m - 3923 m in the Sandnes Formation. Two FMT fluid samples were taken at 3896 m in the Sandnes Formation oil zone. Exploration well 9/2-7 S was completed 10 June 1997 as an oil discovery and re-classified to development well 9/2-B-3 H.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 9/2-7 S