



Wellbore History

GENERAL

Well 35/11-4 discovered oil and gas in the Sognefjord and Fensfjord Formations and the Brent Group. The discovery was made by shows, logs, FMT pressure gradients and sampling using the dynamically positioned installation Yatzy. This re-entry, 35/11-4R, was made to appraise the 35/11-4 discovery by Drill Stem Testing.

OPERATIONS AND RESULTS

Well 35/11-4R was entered with the semi-submersible installation Sovereign Explorer on 16 November 1991. This rig has an RKB of 27 m compared to 17 m for the rig Yatzy.

The well was permanently abandoned on 27 January 1992 as an oil and gas discovery.

TESTING

Four drill stem tests were carried out, one in the oil zone of each of the Brent Group, Fensfjord, lower Sognefjord and upper Sognefjord reservoirs. DST's 1 (2686.7 - 2694.2 m), 2B (2296.1 - 2303.1 m) and 3 (2044.0 - 2056.0 m) flowed oil from the Brent, Fensfjord and lower Sognefjord reservoirs respectively. DST 4B (2010.0 - 2013.0 m) flowed oil and free gas from the upper Sognefjord Formation. Note that the test intervals here are referenced to the Sovereign Explorer RKB. Subtract ten meters to obtain the test intervals used in many of the 34/11-4R well reports, where the Yatzy RKB is used as datum.

Bottom-hole sampling was carried out in DST 1, sampling oil from the Brent Group to obtain samples for direct PVT analysis. Surface oil and gas sampling was carried out in all four DST's to obtain samples for recombination and PVT analysis.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 35/11-4 R