Formation Tops Groups NORDLAND GP TOP 1000 HORDALAND GP TOP TD (m) 2000 LAND GP TOP BALDER FINTOP FORTIES FM TOP MAUREEN FM TOP SHETLAND GP TOP **EKOFISK FM TOP**

Wellbore History

GENERAL

Well 7/11-3 was drilled ca 3.5 km south-east of the 7/11-1 Cod discovery well on the eastern side of the Breiflabb Basin in the southern North Sea. The objective was to test the extension of the Paleocene sands that were found hydrocarbon bearing in wells 7/11-1 and 7/11-2.

OPERATIONS AND RESULTS

Appraisal well 7/11-3 was spudded with the semi-submersible installation Ocean Traveller on 17 October 1968 and drilled to TD at 3350 m. The hole collapsed when drilling a shale section between 1950 m and 2300 m. Bridging took place until the mud weight was increased to 14.5 ppg. Otherwise the well was drilled without significant problems. The well was drilled with a Drispac-Flosal-Desco system, which was salt saturated when drilling the lower part of the hole.

Minor amounts of oil and gas was tested in a Forties Formation sandstone sequence correlated to the best sandstone sequences that were tested in the two first Cod wells.

Three cores were cut in the intervals 3074.2 to 3082 m, 3092.8 to 3105 m, and 3160.3 to 3177.2 m. No wire line fluid samples were taken.

The well was permanently abandoned on 7 January 1969 as an oil appraisal well.

TESTING

Eight drill stem testes were carried out.

DST 1 tested the interval 3239.7 to 3246.4 m. It produced a total of 15 m3 diesel cushion, mud and water. Bottom hole temperature was 129 deg C.

DST 2 tested the interval 3210.2 to 3231.8 m. It produced a total of 14.5 m3 water, diesel cushion and mud. Bottom hole temperature was 128 deg C.

DST 3 tested the interval 3176.9 to 3202.2 m. It produced a total of 14.5 m3 water, diesel cushion and mud. Bottom hole temperature was 128 deg C.

DST 4 tested the interval 3160.5 to 3172.4 m. It produced a total of 14 m3 water, diesel cushion and mud. Bottom hole temperature was 127 deg C.

DST 5 tested the interval 3126 to 3144 m. It produced a total of 8 m3 water, diesel cushion and mud.

DST 6 tested the interval 3096 to 3110 m. It produced a total of 38.5 m3 water, diesel cushion and mud.

DST 7 tested the interval 3086.1 to 3092.2 m. It produced 14 m3 oil, 4400 Sm3 gas and 54 m3 water/day through a choke. The stock tank gas/oil ratio was 237 Sm3/Sm3. The oil was greenish-black and its gravity was 47 deg API. The bottom hole temperature at 3081.5 m was 123 deg C.

DST 1 tested the interval 3036 to 3045 m. This test gave no flow.