Formation Tops Groups NORDLAND GP TOP 1000 HORDALAND GP TOP 2000 GALAND GP TOP 3000 MAUREEN FM TOP SHETLAND GP TOP **EKOFISK FM TOP**

TOR FM TOP

Wellbore History

GENERAL

Well 7/11-2 was drilled , ca 1.5 km from the UK Border on the eastern side of the Breiflabb Basin in the southern North Sea. The objective was to test the hydrocarbon potential in the Paleocene on the west flank of the Cod structure, and to confirm the gas and condensate discovery made by the 7/11-1 well. Well 7/11-1 tested up to 430 Sm3 condensate and 1254000 Sm3 gas /day from the Late Paleocene Forties Formation.

OPERATIONS AND RESULTS

Appraisal well 7/11-2 was spudded with the semi-submersible installation Ocean Traveller on 21 July 1968 and drilled to TD at 3427 m in the Late Cretaceous Tor Formation. Tight hole was experienced when pulling out of the 17 12" hole. The hole was washed back to TD and mud weight increased to 14 ppg. Logging and casing operations could then be successfully carried out. The well was drilled with sea water down to 1219 m where the system was changed to a salt-saturated Drispac-Desco-Flosal type.

The well tested gas and condensate in Paleocene sandstones (the Forties Formation).

One core was taken in the Paleocene sandstone in the interval 3030.6 m to 3045 m. No wire line fluid samples were taken.

The well was permanently abandoned on as a dry well.

TESTING

Three drill stem tests were performed.

DST 1 tested the interval 3166.3 m to 3192.5 m. This test produced only 3.7 m3 salt water-cut mud and mud filtrate.

DST2 tested the interval 3027.3 m to 3105.9 m. This test produced 221 Sm3 gas and 469000 Sm3 gas /day through a 3/4" choke. These rates correspond to a gas/condensate ratio of 2121 Sm3/Sm3, but the GCR varied from 1251 Sm3/Sm3 on a 1/4" choke to 3111 on a 1" choke. The condensate gravity was fairly constant for all rates; 61.0 to 62.1 deg API.

DST 3 tested the interval 2979.7 m to 2998 m. This test produced no formation fluid to surface. After injecting 4 m3 acid (HCl) and 1.6 m3 diesel 16.5 m3 diesel+mud flowed back from the formation.

>