

## **Wellbore History**

#### **GENERAL**

Well 2/5-5 was drilled ca 2 km southwest of the 2/5-3 S ør øst Tor Discovery well in the southern Norwegian North Sea. It was drilled to appraise the S ør øst Tor Discovery

### **OPERATIONS AND RESULTS**

Appraisal well 2/5-5 was spudded with the jack-up installation Zapata Explorer on 9 December 1972 and drilled to TD at 3456 m in the Late Cretaceous Tor Formation.

Top Paleocene was encountered at 3058 m, top Danian chalk (Ekofisk Formation) at 3176 m, and top Maastrichtian chalk (Tor Formation) at 3274 m. The only oil show reported above top Cretaceous was in thin dolomite stringers at 2940 - 2950 m. Oil shows were recorded in the Tor Formation from the top and down to 3383 m. Oil was confirmed by testing in the Tor Formation.

Two cores were cut in the interval 3284 - 3321 m in the Tor Formation. No wire line fluid sample was taken.

The well was permanently abandoned on 9 February 1973 as an oil appraisal.

#### **TESTING**

Three drill stem tests were conducted in the Tor Formation. The following results are after acidizing:

DST 1 tested the interval 3428 - 3437 m in. At the end of the flow period only load water had come to surface and the pressure had dropped to zero.

DST 2 tested the interval 3355 - 3366 m. After 31 hours flow only acid and water cushion was produced to surface.

DST 3 tested the intervals 3297 to 3298 m + 3307 to 3308 + 3312.9 to 3313.5 m. This test produced 72 Sm3 oil, 12430 Sm3 gas, and 195 m3 water /day on a 64/64" choke. The GOR was 171 Sm3/Sm3 and the oil gravity was 39.4 deg API.

# **LITHOSTRATIGRAPHY & HISTORY FOR WELL: 2/5-5**