



Wellbore History

GENERAL

Well 1/3-2 was drilled on the crest of a salt-induced anticline on the Hydra High in the North Sea. The main objective was possible L. Tertiary sands, well developed and productive in Phillips 7/11-1. Secondary objective was the Late Cretaceous chalky limestone, which had given shows in 1/3-1.

OPERATIONS AND RESULTS

Wildcat well 1/3-2 was spudded with the semi-submersible installation Sedneth I on 14 May 1969 and drilled to TD at 4297 m in the Early Cretaceous Sola Formation. When drilling out of the 20" casing shoe, circulation was lost immediately, and the lost circulation zone had to be cemented off. The plastic clays caused continuous troubles, such as bit balling and plugged shaker screens, and the hole had to be reamed and washed several times. Below 3378 m diamond bits were used, and the drilling was interrupted frequently because of leaking bumper subs. The well was drilled water based with a 1 - 4 % addition of diesel through most of the well bore.

Tertiary sands were not developed, and whilst thick Late Cretaceous chalky limestone was found as predicted, there were no hydrocarbon bearing intervals in it, and reservoir qualities were poor. No source rock intervals were encountered, and only very minor traces of higher hydrocarbons were detected in the Late Paleocene-Early Eocene section, and in the interval 3761 to 3901 m in the Hod Formation.

A small core recovered by junk basket was taken at 3589.02 - 3589.5 m. No wire line fluid samples were taken.

The well was permanently abandoned on 27 July 1969 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 1/3-2