



**Wellbore History**

GENERAL

Well 2/3-1 is located approximately in the centre of the block on the Sørvestlandet High. The aim of the well was to test potential reservoirs in the Tertiary, Cretaceous, Jurassic, and Trias.

OPERATIONS AND RESULTS

Wildcat well 2/3-1 was spudded with the semi-submersible installation Ocean Traveler on 10 February 1969 and drilled to TD at 2934 m in the Late Permian Zechstein Group. Bad weather with wind up to 31 m/s caused the rig to drift up to ca 40 feet off location on several occasions, interrupting drilling operations. The well was drilled with seawater and bentonite down to 463 m. A water based mud system was used in the remaining borehole.

The well encountered gas in two zones in Oligocene. From log analyses most of the reservoir interval from 1623 m to 1636 m, except a shale break, had a porosity around 22% with  $S_w = 30\%$ . Best part of the second zone had a porosity of 23% with an  $S_w$  of 23%, (1597 m to 1600 m). No cores were cut in the well and no fluid samples were taken other than during the tests.

The well was permanently abandoned as a gas discovery on 3 April 1969.

TESTING

Seven inch casing was run to 1673 m and two flowing drill stem tests were made successfully. The first test was made from perforations at 1624 m to 1636 m and flowed dry gas at rates of 207000 to 304000 Sm<sup>3</sup>/day on choke sizes varying from 24/64" to 30/64". The second test flowed dry gas at rates of 40000 to 92000/day on choke sizes varying from 12/64" to 30/64" from perforations at 1588 m to 1600 m.

**LITHOSTRATIGRAPHY & HISTORY FOR WELL: 2/3-1**