

Wellbore History



Wildcat well 7125/4-1 was drilled on the Måsøy Fault Complex in the Barents Sea. The primary objective was to prove commercial hydrocarbon resources within the Nucula prospect, a 4-way structural closure dependent on sealing faults. The structure comprises the Middle Jurassic - Late Triassic Realgrunnen Group, the Late - Middle Triassic Snadd Formation and the Middle Triassic Kobbe Formation reservoirs.

Well 7125/4-1 was spudded with the semi-submersible installation Polar Pioneer on 17 January 2007 and drilled to TD at 1615 m in the Early Triassic Klappmyss Formation. The well was drilled without significant technical problems. It was drilled with sodium chloride brine down to 465 m and with potassium formate mud from 465 m to TD. No shallow gas was observed.

Two cores were cut in the Fruholmen Formation comprising mudstones, sandstones and siltstones. MDT gas samples were recovered at 883.4 m, 951.8 m and 1477.3 m. MDT oil samples were recovered at 914.5 m, 938.1 m, 967.0 m, 898.2 m and 1487.8 m. MDT water samples were collected at 986.5 and 1508.9 m.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 7125/4-1