Groups Formation Tops NORDLAND GP TOP **NAUST FM TOP** 400 500 600 700 800 900 1000 1100 1200 1300 TD (m) KAI FM TOP 1400 RDALAND GP TOP **BRYGGE FM TOP** 1500 ROGALAND GP TOP TARE FM TOP SHETLAND GP TOP SPRINGAR FM TOP 1600 **BÅT GP TOP** 1700 1800 1900 2000 2100 **GREY BEDS (INFORMAL) TOP RED BEDS (INFORMAL) TOP** 2200 2300

Wellbore History

GENERAL

Well 6608/11-4 was drilled on the northeast segment of the Linerle prospect, ca 8 km NNE of the Falk discovery on the Dønna Terrace. The primary objective of the well was to prove hydrocarbons in the Early lurassic sandstones of the Tilie and Åre Formations.

OPERATIONS AND RESULTS

Wildcat well 6608/11-4 was spudded from the drill ship West Navigator on 1 May 2004 and drilled to TD at 2317 m in the Triassic Red Beds. The well was designed with a 36", $12 \frac{1}{4}$ " and $8 \frac{1}{2}$ " section. A 32" conductor was planned hammered down. This attempt failed and a conventional 30" conductor was set. The 9 5/8" casing was set above a prognosed pressure build-up zone. The well was drilled with seawater and hi-vis sweeps down to 1357 m, and with Glydril (water based KCl/PAC/glycol) from 1357 m to TD. Wire line logs were only run in the 8 1/2" section (1349 m to 2317 m). No shallow gas was observed, as prognosed.

The top of the reservoir, the Tilje Formation, was encountered at 1656 m. An oil column of 18 m (1656 - 1674 m) was present in the Tilje and Åre Formation, proved by pressure points and three oil samples from 1657.6 m, 1663 m and 1672.4 m. The oil is heavy (23.1 deg API) and geochemical analyses showed that it is strongly biodegraded. Three water samples were taken at 1677.5 m, 1680.5 m and 1708 m. Sandstones with good reservoir properties were also encountered in the Åre Formation and in the Triassic Grey Beds. Two mini DSTs were performed using the MDT dual packer set up.

Two cores were cut in the interval 1662 to 1714 m in the Tilje and Åre Formation.

The well was permanently abandoned on 23 May 2004 as an oil discovery.

TESTING

No drill stem test was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6608/11-4