Formation Tops Groups NORDLAND GP TOP 400 500 600 700 800 900 1000 TD (m) 1100 1200 GALAND GP TOP TARE FM TOP 1300 TANG FM TOP 1400 1500 SHETLAND GP TOP **NISE FM TOP** CROMER KNOLL GP TOP LANGE FM TOP 1600 -SPEKKFMTOP WIKONG GPOTOP **ROGN FM TOP** 1700 RPEKKE FM TOP **FANGST GP TOP GARN FM TOP** 1800 -

Wellbore History

GENERAL

Exploration well 6407/12-1 is located on the western edge of the Trøndelag Platform in PL176, some 13 km South of the Draugen platform. It was drilled to test the hydrocarbon potential of the Upper Jurassic sands of the Rogn Formation, which is the main reservoir unit in the Draugen Field. The second objective was to log and sample the upper 20 m of the Middle Jurassic Garn Formation.

OPERATIONS AND RESULTS

The well was spudded on 7 July 1999 with the semi-submersible installation "Mærsk Jutlander" and drilled to a total depth of 1805 m in sandstone of the Garn Formation. It was drilled with sea water and Hi-vis bentonite pills to 714 m and with BARASILC silicate mud from 714 m to TD. The well found 2.3 m of oil-bearing sands in good quality reservoirs of the Rogn Formation. The Rogn Formation in the well is in pressure communication with the Rogn Formation reservoir of the Draugen Field. An oil MDT sample was acquired from 1660.7 m in the Rogn Formation. Sampling occurred extremely slowly despite a recorded mobility of 249 md/cp and a high porosity indicated from the density log. This suggests potential plugging of the probe due to the unconsolidated nature of the Rogn sandstone. The Garn Formation came in at 1763 m. No conventional core was cut in the well. The well was plugged and abandoned on 15 July 1999.

TESTING

No drill stem test was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6407/12-1