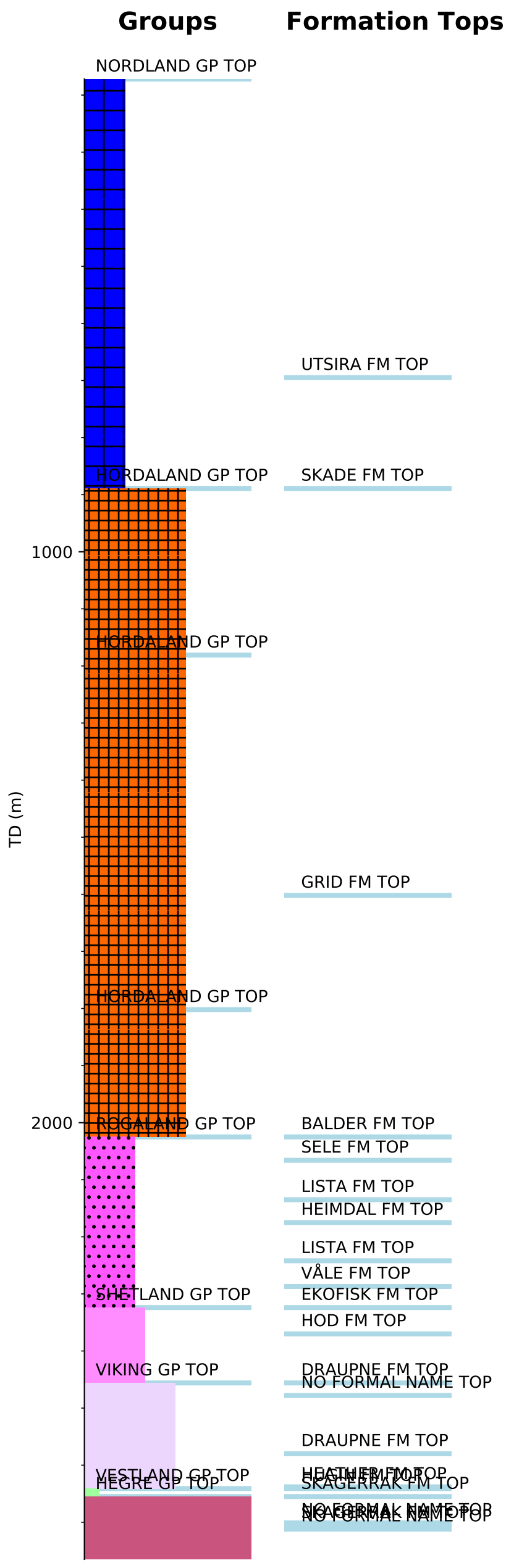

Wellbore History

GENERAL

Well 25/10-16 S was drilled on the 25/10-8 Hanz discovery on the Gudrun Terrace in the North Sea. The primary objective was to test the hydrocarbon potential in Intra-Draupne Formation sandstones in the northern part of the Hanz structure.

OPERATIONS AND RESULTS

Appraisal well 25/10-16 S was spudded with the jack-up installation Mærsk Intrepid on 30 June 2018 and drilled to TD at 2765 m (2698 m TVD) m in the Late Triassic Hegre Group. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 560 m and with EMS-4600 oil-based mud from 560 m to TD.

The Draupne Formation was encountered at 2456.1 m (2388.8 m TVD). It contained abundant sandstones varying in thickness from 0.5 to 8 m. From Petrophysical analysis there was 20 m net oil-bearing Intra-Draupne sandstones with excellent reservoir quality. A gas-oil contact was proven at 2483.2 m (2416 m TVD). There is oil at least down-to 2512.2 m (2445 m TVD). No oil-water contact was proven. The formation pressure was measured by wireline XPT. The measured formation pressures showed a depletion of ~1-2 bar in the Intra Draupne sandstones compared to the 25/10-8 discovery well. The Hugin Formation was comprised of sandstone, also with good reservoir properties, but was found to be water-bearing in the well position.

On the cores there were strong oil shows in the oil-leg of the Intra-Draupne sandstones, but there were no oil shows above the oil-based mud on cuttings anywhere else in the well.

Two cores were cut from 2460.5 to 2550.7 m with 100.4% total recovery. MDT fluid samples were taken at 2468 m (gas), 2478.9 m (gas), 2485.5 m (oil), 2490.3 m (oil), 2508.1 m (oil), 2511.5 m (oil), 2531.7 m (water).

The well was permanently abandoned on 30 July 2018 as an oil and gas appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/10-16 S