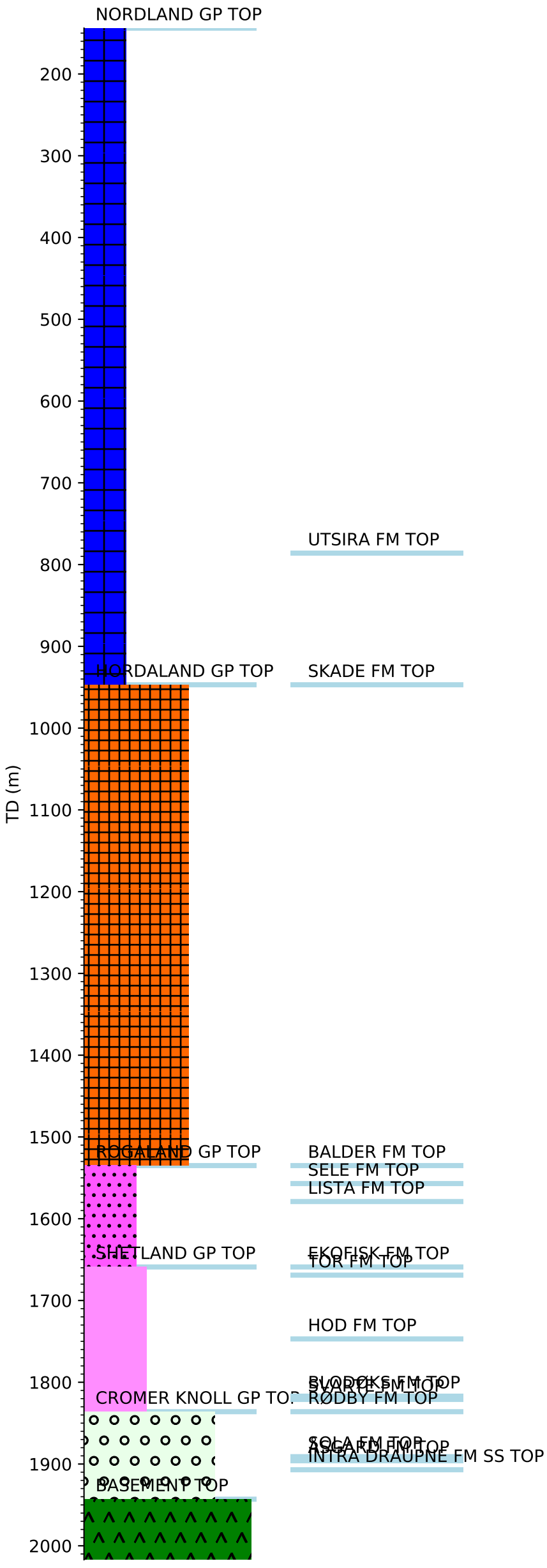
Groups

Formation Tops



Wellbore History

GENERAL

Well 16/2-U-19 was drilled on the Johan Sverdrup Field on the Utsira High in the North Sea. The primary objective was to reduce the depth, thickness and quality uncertainty of the Draupne reservoir for future producers. The secondary objective of the well was to gather geological information regarding the Draupne sand distribution in the Geitungen area of the Johan Sverdrup Field.

OPERATIONS AND RESULTS

Well 16/2-U-19 was spudded with the semi-submersible installation Deepsea Atlantic on 29 November 2016 and drilled to TD at 2017 m (2009.6 m TVD) in Basement rock. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1180 m and with Carbosea oil-based mud from 1180 m to TD.

Intra-Draupne Formation sandstone was encountered at 1907 m (1900 m TVD) and was directly overlying basement rock at 1943 m (1936 m TVD). The Intra Draupne Formation sandstone had excellent reservoir properties and was oil filled all through. The pressure level in the reservoir is about 1 bar under the pressure observed in August 2012 in 16/2-12, in line with the general rate of pressure depletion in the area. There were no shows in the well outside of the oil-bearing reservoir.

Two cores were cut from1896 in the Åsgard Formation to 1945 in the granitic basement. Recovery was 99.6% in core 1 and 96.6% in core 2. The depth shift from logger's depth is 1.1 m for core 1 and 1.15 m for core 2. No fluid sample was taken.

The well was permanently abandoned on 12 December 2016.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 16/2-U-19