



Wellbore History

GENERAL

Well 16/2-13 A is a geological side track to well 16/2-13 S on the Johan Sverdrup discovery on the Utsira High in the North Sea, 6.7 km northeast of well 16/2-8 and 2.4 km north-east of well 16/2-6. The objective of the side track was to calibrate the depth model in a position far enough away from 16/2-13 S to provide significant information for depth conversion; to investigate if FWL in 16/2-10 is present in area across the fault close to 16/2-13 S and; to map lateral thickness and quality variations in the Jurassic sequence.

OPERATIONS AND RESULTS

Well 16/2-13 A was kicked off at 735 m in 16/2-13 S on 30 August 2012. The semi-submersible installation Transocean drilled the well to TD at 2776 m (2101.7 m TVD) in indeterminate pre-Rotliegend Group rock. The sidetrack was drilled with Enviromul OBM.

The reservoir was encountered at 2596.06 (1926 m TVD) about 1250 metres north of well 16/2-13 S and slightly shallower than prognosis. It consisted of a 26.5 m thick Intra-Draupne, Intra-Heather and Hugin sandstone package, similar as in 16/2-13 S. The oil column in the sidetrack was 12 m and the oil water contact was established at 1949 m TVD (1925 m TVD MSL).

Four cores were cut from 2587.3 m in Draupne Formation shales to 2669.0 m in Pre-Rotliegende rock. The core to log shift for all four cores is -1.5 m. The core recovery was 100%. RCX wire line fluid samples were taken at 2596.7 m (oil), 2607.5 m (oil), 2608.5 m (oil and water), 2610.7 m (water), and 2615.0 m (water).

The well was permanently abandoned on 29 September 2012 as an oil appraisal.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 16/2-13 A