



## Wellbore History

### GENERAL

Well 16/2-7 A is a geologic sidetrack to well 16/2-7 drilled about 5.5 kilometres southeast of the discovery well for the oil discovery 16/2-6 (Avaldsnes) on the Utsira High in the North Sea. Well 16/2-7 confirmed the Avaldsnes Discovery OWC at 1922 m TVD MSL

### OPERATIONS AND RESULTS

Appraisal well 16/2-7 A was drilled with the semi-submersible installation on Bredford Dolphin. It was kicked off from below the 20" shoe at 708 m in primary wellbore 16/2-7 on 2 September 2011 and drilled to a total depth of 2100 m (2010 m TVD) in the Triassic Skagerrak Formation. The sidetrack well was drilled conventionally with 12 1/4" and 8 1/2" sections using Performadril water based mud all through. No significant problem was encountered in the operations.

The geological sidetrack penetrated the BCU and top Intra Draupne Formation sandstone reservoir according to prognosis at 2014 m (1931 m TVD). The Draupne sandstone rested unconformable on a 14 m TVD thick Sleipner Formation sandstone with top at 2024 m (1940 m TVD). The Draupne sandstone thickness variation going from 25 m TVD in 16/2-7 to 9 m TVD in 16/2-7 A is attributed to Late Jurassic faulting. As in 16/2-7 Pressure points and MDT sampling results confirmed the presence of oil in the reservoir with a free water level at approximately 2032 m (1947.5 m TVD).

Two cores were cut from 2012 to 2054 m across the Draupne and Hugin formations. MDT wire line fluid samples were taken at 2015.8 m (oil), 2031.29 m (oil), 2035.19 m (water), and 2036.95 m (water).

The well was permanently abandoned on 29 September 2011 as an oil appraisal.

### TESTING

No drill stem test was performed.

## LITHOSTRATIGRAPHY & HISTORY FOR WELL: 16/2-7 A