



Wellbore History

GENERAL

Well 16/1-16 A is a geological sidetrack to well 16/1-16 on the east side of the Gudrun Terrace towards the Utsira High in the North Sea. The primary well bore 16/1-16 found oil in two slightly differently pressured compartments in the Middle Jurassic Hugin Formation and the Triassic Skagerrak Formation (Asha prospect). Both pressure compartments were penetrated in oil-down-to settings. The objective of the 16/1-16 A sidetrack was to find the true Asha OWC by drilling down flank on the structure to the south.

OPERATIONS AND RESULTS

Well 16/1-16 A was kicked off at 2047 m in main bore 16/1-16 on 7 December 2012. It was drilled with the semi-submersible installation Bredford Dolphin to TD at 2897 m (2663 m TVD) in the Triassic Skagerrak Formation. No significant problem was encountered in the operations. The well was drilled with water based Performadril mud from kick-off to TD.

The well encountered more than 30 m gross oil in a Hugin Formation of very good quality and which is much thicker than in 16/1-16. Top Hugin was at 2527 m. The oil/water contact was encountered at 2592.8 m (2465 m TVD), 6 metres TVD deeper than the OWC found in the western part of the Ivar Aasen Field. The Lower oil zone in a Skagerrak sand with a separate pressure regime was not present or very little developed in 16/1-16 A compared to 16/1-16.

No cores were cut in the well. MDT fluid samples were taken at 2573 m (oil) and at 2610.5 m (water)

The well was permanently abandoned on 1 January 2013 as an oil appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 16/1-16 A