



Wellbore History

GENERAL

The 34/6-3 A Akkar well is a geological sidetrack of 34/6-3 S, which confirmed oil in the Cook Formation in the Garantiana structure. The well is located in the Visund are of the North Sea. The primary objective of well 34/6-3 A was to test the hydrocarbon potential in the Akkar prospect, a separate structure located to the west of the Garantiana structure. The primary target was the Statfjord Group. The Cook Formation was secondary target. In 2002 well 34/6-1 S tested the Akkar structure further to the west than 34/6-3 A and found it water wet.

OPERATIONS AND RESULTS

Wildcat well 34/6-3 A was kicked off from the 34/6-3 S well below the 13 3/8" casing shoes at 2049 m on 25 September 2014. It was drilled with the semi-submersible installation Leiv Eiriksson to TD at 4019 m (3749 m TVD) m in the Early Jurassic Statfjord Group. The well was drilled S-shaped: vertical down to ca 2100 m, deviated with a sail angle of ca 42 ° down to ca 3400 m, and then vertical again to TD. No significant problem was encountered in the operations. The well was drilled with NABM oil based mud from kick-off to 3510 m, and with WARP oil based mud from 351 m to TD.

Well 34/6-3 A penetrated top Cook Formation at 3603 m (3336 m TVD). The Cook Formation was oil bearing with the Oil-Water-Contact defined at 3650 m (3381.5 m TVD). Cook sandstones below the OWC, from 3675 m down to top Burton Formation at 3717 m (3447 m TVD) had good oil shows. The pressure points acquired in the water leg of the Cook Formation align with the gradient from 34/6-1 S. The Statfjord Group proved to be water bearing without shows.

No cores were cut in 34/6-3 A. MDT fluid samples were taken at 3628.62 m (oil), 3683.69 m (water with possible traces of hydrocarbons) and 3701.49 m (water with possible traces of hydrocarbons).

The well was permanently abandoned on 1 November 2014 as an oil discovery.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 34/6-3 A