



Wellbore History

GENERAL

Well 35/9-14 A is a geological side-track to 35/9-14 on the Måløy Måløy slope in the northern North Sea. Well 35/9-14 found oil in poor quality Intra-Heather Formation sandstone. The primary objective of the side-track was to further evaluate this discovery in a down-dip position.

OPERATIONS AND RESULTS

Appraisal well 35/9-14 A was kicked out of the 13 3/8" casing at 1776 m on 4 March 2018. It was drilled with the semi-submersible installation Sona Enabler to TD at 3900 m (3739 m TVD) m in the Middle Jurassic Heather Formation. Operations proceeded without significant problems. The well was drilled with Innovert oil-based mud from kick-off to TD.

Intra-Heather Formation waterfilled sandstone was penetrated from 3755 to 3848 m (3592.2 to 3685.7 m TVD). It contained 32 m of net reservoir sandstones with average 13.3 % average porosity. Hydrocarbon indications in well 35/9-14 A were reported only from the Intra-Heather sandstones and ranged from no shows to local HC odour and direct fluorescence and fast streaming cut. Combined pressure data from both wells 35/9-14 and 35/9-14 A indicated an on-structure OWC in the range 3748 to 3751 m (3587 to 3590 m TVD).

One 54 m conventional core was cut from 3813 to 3867 m in the lower part of the Intra Heather Formation sandstone and into the Heather mudstone below. MDT fluid samples were taken at 3770.2 m (3609.4 m TVD; water only) and 3782 m (3621.2 m TVD; water and oil).

The well was permanently abandoned on 29 March 2018 as a dry well with shows.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 35/9-14 A