

NPD – exploration drilling result

01/10/2012 Lundin Norway AS, operator of production licence 501, is about to complete drilling of appraisal wells 16/2-13 S and 16/2-13 A in the North Sea.

Oil discovery 16/2-6 Johan Sverdrup was proven in autumn 2010 in Upper Jurassic reservoir rocks. Wells 16/2-13 S and 16/2-13 A were drilled about 2.5 kilometres northeast of the discovery well 16/2-6 and 6.5 kilometres southeast of appraisal well 16/2-10 in production licence 265.

The objective of appraisal well 16/2-13 S was to investigate reservoir properties, the thickness and depth of the reservoir, as well as to clarify the oil/water contact in the northeastern part of the discovery. The well encountered a gross oil column of about 25 metres in Upper to Middle Jurassic rocks, of which 15 metres in reservoir rocks with very good reservoir quality. The oil/water contact was not encountered.

The objective of appraisal well 16/2-13 A was to prove the oil/water contact, improve depth conversion, as well as investigate variations in reservoir quality and thickness. The well encountered the reservoir with an oil column of 12 metres about 1250 metres north of well 16/2-13 S.

The oil/water contact was three metres deeper than in the neighbouring wells in the Johan Sverdrup discovery in production licence 501. The reservoir came in four metres shallower than expected, and is positive for the northeast flank of the Johan Sverdrup discovery. The well confirmed reservoir size, thickness and moderate to very good reservoir properties to the north.

Extensive data acquisition and sampling have been carried out in both wells. These are the ninth and tenth exploration wells in [production licence 501](#). The licence was awarded in APA 2008.

Appraisal wells 16/2-13 S and 16/2-13 A were drilled to vertical depths of 2060 and 2172 metres, respectively, and total measured depths of 2065 and 2751 metres below the sea surface, respectively. Both were terminated in Permian or older rocks. The wells will be permanently plugged and abandoned. Water depth is 116 metres.

The wells were drilled by the *Transocean Arctic* drilling facility which will now proceed to production licence 490 to drill wildcat well 7120/6-3 S where Lundin Norway AS is the operator.

See [Factpages](#) for more information about this wellbore.

