

## NPD – exploration drilling result

25/01/2013 Lundin Norway AS, operator of production licence 501, is in the process of completing the drilling of appraisal wells 16/2-16 and 16/2-16 A in the North Sea.

The 16/2-6 Johan Sverdrup oil discovery was proven by Lundin in the autumn of 2010 in Upper Jurassic reservoir rocks in licence 501. Wells 16/2-16 and 16/2-16 A have been drilled approx. three kilometres northwest of the 16/2-6 discovery well and three kilometres east of the 16/2-10 appraisal well.

The purpose of appraisal well 16/2-16 was to investigate the reservoir properties, thickness and depth of the Upper Jurassic reservoir rocks, as well as to establish the oil/water contact in this part of the Johan Sverdrup discovery. The well encountered oil in the top metre of the reservoir, which consists of a 15-metre zone of Upper to Middle Jurassic reservoir rocks with medium to good reservoir quality. The total thickness of the entire interval from the Jurassic Age is 55 metres. The sandstone reservoir rocks are thinner than expected. Rocks from the Triassic and Permian ages and older were encountered under the oil-bearing layers. The carbonates from the Permian age in the Zechstein Group are of moderate to good reservoir quality.

Well 16/2-16 A was drilled through the reservoir about 1000 metres west of well 16/2-16 to encounter a potential deeper oil/water contact, investigate variations in the Upper to Middle Jurassic reservoir rocks, acquire information for a water injection strategy for this area and to further calibrate the depth of the reservoir in this part of the Johan Sverdrup discovery. The well encountered a 31-metre gross oil column in Upper to Middle Jurassic reservoir rocks. No oil/water contact was discovered. The reservoir consists of a 30-metre zone of Upper to Middle Jurassic reservoir rocks of good to very good reservoir quality, and with a 70-metre total thickness across the interval from the Jurassic Age.

Extensive data acquisition and sampling has been conducted in both wells. These are the 11<sup>th</sup> and 12<sup>th</sup> exploration wells in [production licence 501](#). The licence was awarded in APA 2008.

Appraisal wells 16/2-16 and 16/2-16 A were drilled into Permian and Triassic rocks, respectively, with vertical depths of 2188 and 2060 metres, respectively; the last of which had a total measured depth of 2503 metres below the sea surface. The wells will be permanently plugged and abandoned. Water depth is 116 metres.

The wells were drilled by the *Transocean Winner* drilling facility, which will now proceed to production licence 338 to drill wildcat well 16/1-17, where Lundin Norway AS is the operator.

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

