

## NPD – exploration drilling result

08/02/2013 The Norwegian Petroleum Directorate has granted Statoil Petroleum AS a drilling permit for well 16/5-3, cf. Section 8 of the Resource Management Regulations.

Well 16/5-3 will be drilled from the *Ocean Vanguard* drilling facility at position 58°43'53.95" north and 2°33'28.64" east after completing drilling of wildcat well 25/11-26 for Statoil in production licence 169.

The drilling programme for well 16/5-3 relates to drilling of an appraisal well in production licence 502. Statoil Petroleum AS is the operator with an ownership interest of 44.44 per cent. The other licensees are Petoro AS with 33.33 per cent and Det norske oljeselskap ASA with 22.22 per cent.

The area in this licence consists of part of block 16/5. The well will be drilled about six kilometres south of the 16/2-15 well and five kilometres southwest of the 16/5-2 well in the central part of the North Sea.

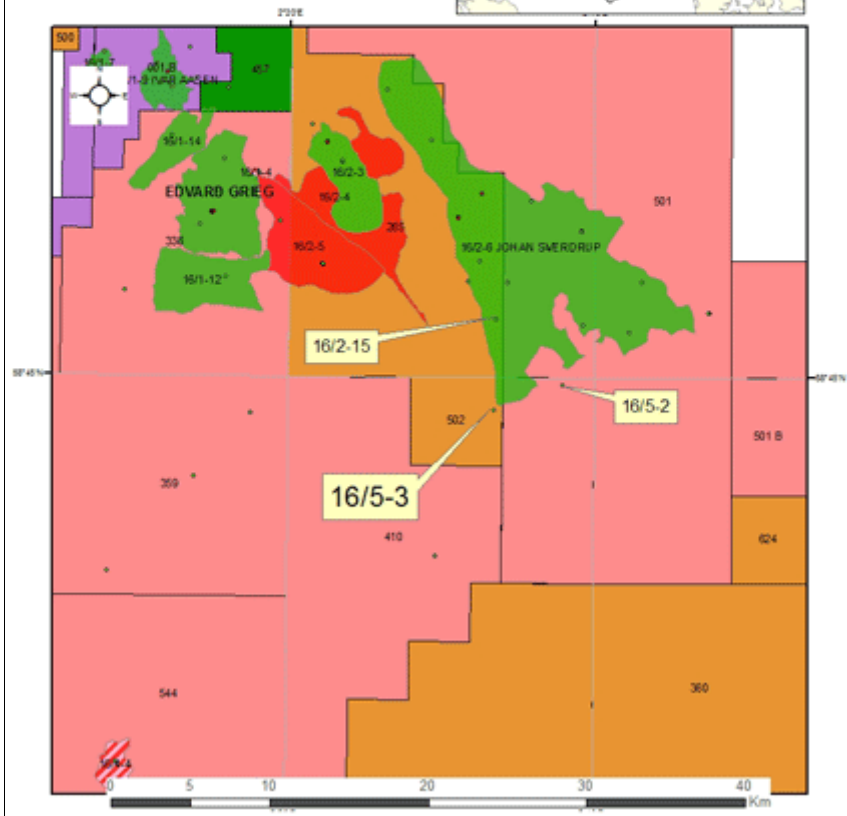
Production licence 502 was awarded on 23 January 2009 (APA 2008). This is the first well to be drilled within the area of the licence.

The permit is contingent upon the operator securing all other permits and consents required by other authorities before commencing drilling activities.

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



Undersøkingbrønn/Well  
16/5-3  
Utvinningsløyve/PL502



# 16/5-3

19/03/2013 Statoil Petroleum AS, operator of production licence 502, has completed the drilling of appraisal well 16/5-3 on the 16/2-6 Johan Sverdrup oil discovery.

The discovery was proven by Lundin Norway AS in the autumn of 2010 in the central part of the North Sea. The reservoir is in Upper Jurassic reservoir rocks. Well 16/5-3 was drilled about six kilometres south of well 16/2-15 and five kilometres southwest of well 16/5-2.

The objective of well 16/5-3 was to delineate the Johan Sverdrup discovery in Upper to Middle Jurassic reservoir rocks in an area not previously included as part of the discovery due to uncertainty regarding the scope of the reservoir. The well encountered a gross oil column of 13.5 metres in Upper Jurassic reservoir rocks, of which about 12 metres were of good reservoir quality as expected. The oil/water contact was not encountered, but pressure readings show that the area is part of the Johan Sverdrup discovery.

Extensive data acquisition and sampling have been carried out. Three formation tests (mini-DST) have been carried out. They showed good to very good oil flow rates. The gas/oil ratio is 40.6 Sm<sup>3</sup>/Sm<sup>3</sup> and the oil density is calculated at 0.81 g/cm<sup>3</sup> in the reservoir.

The licensees in the Johan Sverdrup discovery have now started assessing various development solutions.

This is the first exploration well in [production licence 502](#). The licence was awarded in APA 2008.

Appraisal well 16/5-3 was drilled to a vertical depth of 1971 metres below the sea surface and was terminated in Triassic or Permian rocks. The well has been permanently plugged and abandoned. Water depth is 108 metres.

The well was drilled by the *Ocean Vanguard* drilling facility, which will now proceed to drill appraisal well 16/2-17 for Statoil Petroleum AS in production licence 265 on the Johan Sverdrup discovery.



Avgrensingsbrønn/Well  
16/5-3  
Utvinningssløyve/PL502

