

## NPD – exploration drilling result

17/06/2015 The Norwegian Petroleum Directorate (NPD) has granted VNG Norge AS a drilling permit for well 6406/12-4 S, cf. Section 8 of the Resource Management Regulations.

Well 6406/12-4 S will be drilled from the *Transocean Arctic* drilling facility in position 64°17.47" north and 6°46'31.28" east after completing wildcat well 35/12-5 in production licence 378 for Wintershall Norge AS.

The drilling programme for well 6406/12-4 S relates to the drilling of a wildcat well in production licence 586. VNG Norge AS is the operator with an ownership interest of 30 per cent. The other licensees are Spike Exploration Holding AS (30 per cent), Faroe Petroleum Norge AS (25 per cent) and Rocksource Exploration Norway AS (15 per cent).

The area in this licence consists of part of block 6406/11 and part of block 6406/12. The well will be drilled about 33 kilometres southwest of the Njord field.

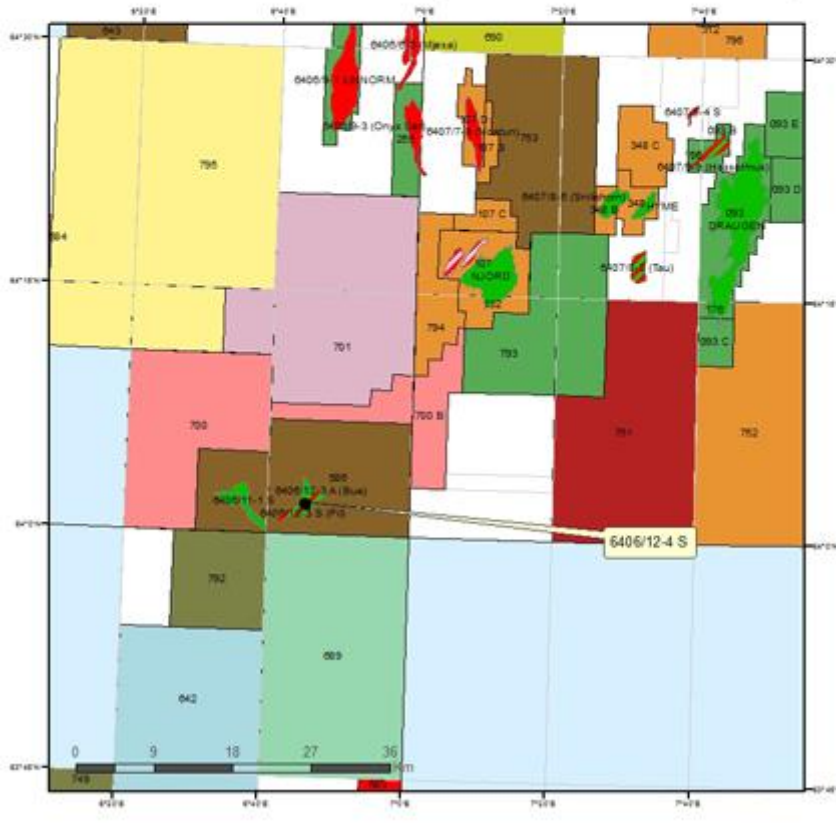
Production licence 586 was awarded on 4 February 2011 (APA 2010). This is the fourth well to be drilled in the licence.

The permit is contingent upon the operator having secured all other permits and consents required by other authorities before the drilling starts.

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



Undersøkellesbrønn/Well  
6406/12-4 S  
Utvinningsløyve/PL 586



# 6406/12-4 S and A

17/09/2015 VNG Norge AS, operator of production licence 586, is in the process of completing the drilling of wildcat wells 6406/12-4 S and 6406/12-4 A.

Well 6406/12-4 S was drilled approx. 33 kilometres southwest of the Njord field in the southern part of the Norwegian Sea and approx. 1.7 kilometres southeast of discovery well 6406/12-3 S (Pil).

The primary exploration target of well 6406/12-4 S was to prove petroleum in Upper Jurassic sandstones in a southwestern segment, which is adjacent to the 6406/12-3 S discovery (Pil). The well encountered an approx. 590 metre thick unit of Upper Jurassic rocks, 20 metres of which are sandstone (the Rogn formation) with good reservoir quality. Preliminary estimates of the size of the discovery range between two and five million standard cubic metres (Sm<sup>3</sup>) of recoverable oil equivalents. The licensees will consider the discovery in conjunction with other nearby discoveries as regards a possible future development.

The secondary exploration target was to prove petroleum in Upper Jurassic rocks (sandstone in the Intra Melke formation), the extent, thickness and properties of the reservoir rocks, as well as depth to hydrocarbon contacts. The well encountered 368 metres of sandstone in the Intra Melke formation of varying quality and with traces of oil.

The objective of well 6406/12-4 A was to prove petroleum in Upper Jurassic reservoir rocks (sandstone in the Intra Spekk and Intra Melke formations) in a southern segment adjacent to the 6406/12-3 S discovery (Pil). Well 6406/12-4 A encountered about 20 metres of Intra Spekk sandstone and 515 metres of reservoir rocks in the Intra Melke formation, both with poor reservoir properties. The reservoir contains only traces of hydrocarbons. The well was classified as dry.

Extensive data acquisition and sampling have been carried out. These are the fourth and fifth wells to be drilled in [production licence 586](#), which was awarded in APA 2010.

6406/12-4 S was drilled to measured and vertical depths of 4318 and 3832 metres below sea level respectively, and was terminated in the Melke formation in the Upper Jurassic.

6406/12-4 A was drilled to measured and vertical depths of 4058 and 3799 metres below sea level respectively, and was terminated in the Melke formation in the Jurassic. Water depth at the site is 319 metres.

The wells will now be permanently plugged and abandoned.

Wells 6406/12-4 S and A were drilled by the drilling facility *Transocean Arctic* which now will drill 6406/12-5 S in a northern segment adjacent to the discovery 6406/12-3 S (Pil).

