

## NPD – exploration drilling result

23/09/2013 The Norwegian Petroleum Directorate has granted Statoil Petroleum AS a drilling permit for wells 6407/8-6 and 6407/8-6 A, cf. Section 8 of the Resource Management Regulations.

Wells 6407/8-6 and 6407/8-6 A will be drilled from the *Songa Trym* drilling facility at position 64°21'12.70" north and 07°27'44.48" east after it completes drilling of the wildcat well 6608/10-15 for Statoil in production licence 128.

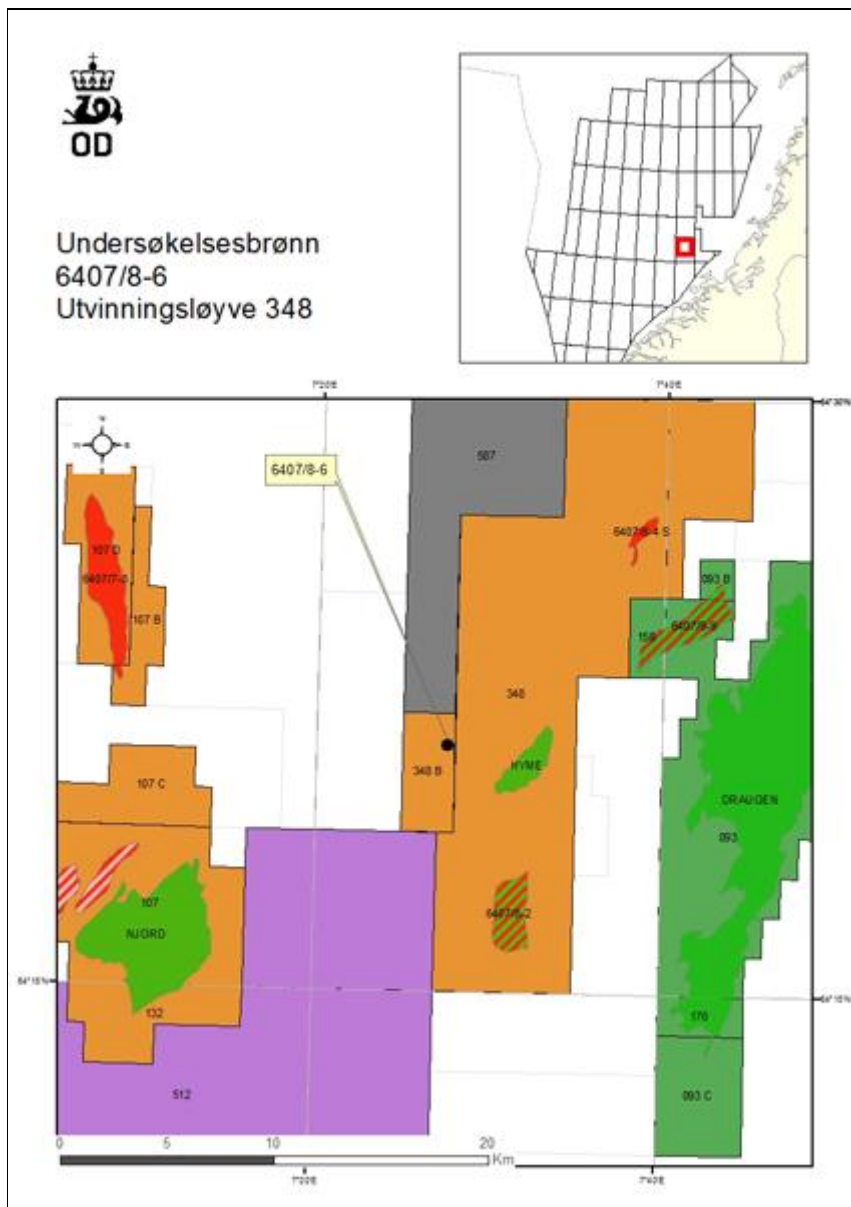
The drilling programme for wells 6407/8-6 and 6407/8-6 A relates to the drilling of wildcat wells in production licence 348. Statoil is the operator with an ownership interest of 35 per cent. The other licensees are GDF Suez E&P Norge AS (20 per cent), E.ON E&P Norge AS (17.5 per cent), Core Energy AS (17.5 per cent), Faroe Petroleum Norge AS (7.5 per cent) and VNG Norge AS (2.5 per cent).

The area in this licence consists of parts of blocks 6407/8 and 6407/9. The wells will be drilled about four kilometres west of the Hyme field and 16 kilometres northeast of the Njord field.

Production licence 348 was awarded on 17 December 2004 (APA 2004 on the Norwegian shelf). These are the seventh and eighth wells to be drilled in the licence.

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

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



## 6407/8-6 and 6407/8-6 A

11/11/2013 Statoil Petroleum AS, operator of production licence 348 B, is in the process of completing the drilling of wildcat wells 6407/8-6 and 6407/8-6 A. The wells proved oil.

The wells were drilled about 4 kilometres west of the Hyme field and 15 kilometres northeast of the Njord field in the Norwegian Sea.

The objective of well 6407/8-6 was to prove petroleum in Lower Jurassic reservoir rocks (the Åre formation).

The well encountered the Åre formation, with reservoir rocks and reservoir quality that were poorer than expected; the reservoir is aquiferous. However, a 40-metre gross oil column was encountered in the Ile formation (Middle Jurassic) and an approx. 130-metre gross oil column in the Tilje formation (Lower Jurassic). In addition, a 21-metre gross oil column was encountered in reservoir rocks from the Triassic (most likely "Grey Beds"), further dating will clarify this.

The primary exploration target for well 6407/8-6 A was to prove petroleum in Lower Jurassic reservoir rocks (the Tilje formation). The secondary exploration target was to prove petroleum in Middle and Lower Jurassic reservoir rocks (the Ile and Åre formations).

A 43-metre gross oil column was encountered in the Tilje formation with reservoir quality as expected, as well as a 75-metre gross oil column in the Ile formation with reservoir quality as expected. In addition, a six-metre gross oil column was encountered in the Melke formation (Middle to Upper Jurassic). No petroleum was proven in "Grey Beds".

Preliminary estimates place the size of the discovery between 9 and 16 million Sm<sup>3</sup> recoverable oil equivalents. The well was not formation-tested, but extensive data acquisition and sampling have been carried out.

The licensees in [production licence 348 B](#) will consider tying the discovery to the Njord field, either directly or via the Hyme field.

These wells are the first exploration wells in production licence 348 B. The licence was awarded in APA 2010.

Wells 6407/8-6 and 6407/8-6 A were drilled to respective vertical depths of 3420 and 3537 metres below the sea surface, and both were terminated in the Upper Triassic ("Grey Beds").

Water depth at the site is 282 metres. The wells will now be permanently plugged and abandoned.

Wells 6407/8-6 and 6407/8-6 A were drilled by the *Songa Trym* drilling facility, which will now proceed to production licence 248 in the North Sea to drill wildcat well 35/11-16, where Statoil Petroleum AS is the operator.



Undersøkellesbrønn  
6407/8-6 og 6407/8-6 A  
Utvinningsløyve 348 B

