

## NPD – exploration drilling result

27/06/2018 The Norwegian Petroleum Directorate has granted Equinor Energy AS a drilling permit for wells 6608/10-18, 6608/10-18 A and 6608/10-18 B, cf. Section 15 of the Resource Management Regulations.

Wells 6608/10-18, 6608/10-18 A and 6608/10-18 B will be drilled from the *Songa Encourage* drilling facility, at position 66°6'9.52" North and 8°4'23.19" East.

The drilling programme for wells 6608/10-18, 6608/10-18 A and 6608/10-18 B relates to the drilling of appraisal wells in production licence 128 D. Equinor Energy AS is the operator with an ownership interest of 63.95 per cent. The other licensees are Petoro AS (24.55 per cent) and Eni Norge AS (11.5 per cent). The area in this licence consists of the western part of block 6608. The wells are being drilled to delineate the Cape Vulture discovery, about 8 kilometres north of the Norne field.

Production licence 128 D was awarded on 5 February 2016 in APA 2015 on the Norwegian shelf. Well 6608/10-18 is the first well to be drilled within 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.



# 6608/10-18, 6608/10-18 A and 6608/10-18 B

04/10/2018 Equinor Energy AS, operator of production licence 128 D, is in the process of concluding the drilling of appraisal wells 6608/10-18, 6608/10-18 A and 6608/10-18 B.

The wells were drilled about 7 kilometres northwest of the Norne field in the northern part of the Norwegian Sea and about 200 kilometres west of Sandnessjøen.

The 6608/10-17 S (Cape Vulture) oil and gas discovery was originally proven in two zones in Lower Cretaceous reservoir rocks (the Lange formation) in 2017. Before these appraisal wells were drilled, the operator's resource estimate for the discovery was between 3 and 13 million standard cubic metres (Sm<sup>3</sup>) of recoverable oil equivalents.

The objective of the wells was to delineate the two reservoir zones in the 6608/10-17 S oil and gas discovery, as well as to investigate a new underlying, third reservoir zone in the Lower Cretaceous (the Lange formation).

The appraisal wells encountered oil in three reservoir zones in the Lange formation. The oil/water contacts were not encountered in the three reservoir zones, but were established with the aid of well 6608/10-18 B. The total proven oil column in the uppermost zone is about 80 metres. In the middle zone, a 13-metre gas column was proven, as well as a total oil column of about 110 metres.

In the uppermost zone, 6608/10-18 A encountered an oil column of about 10 metres, of which 5 metres in sandstone with good to very good reservoir properties.

In the middle zone, oil columns of about 15 and 10 metres were discovered in wells 6608/10-18 and 6608/10-18 A respectively, of which 5 metres in sandstones with moderate to good reservoir properties in both wells.

In the deepest zone, 6608/10-18 encountered oil in a 2-metre thick sandstone layer with good reservoir properties.

Preliminary estimates of the size of the discovery after the appraisal drilling are between 8 and 11 million standard cubic metres (Sm<sup>3</sup>) of recoverable oil

equivalents. The licensees will assess the discovery further with a view toward potential future development via the Norne FPSO.

The wells were not formation-tested, but extensive data acquisition and sampling have been carried out.

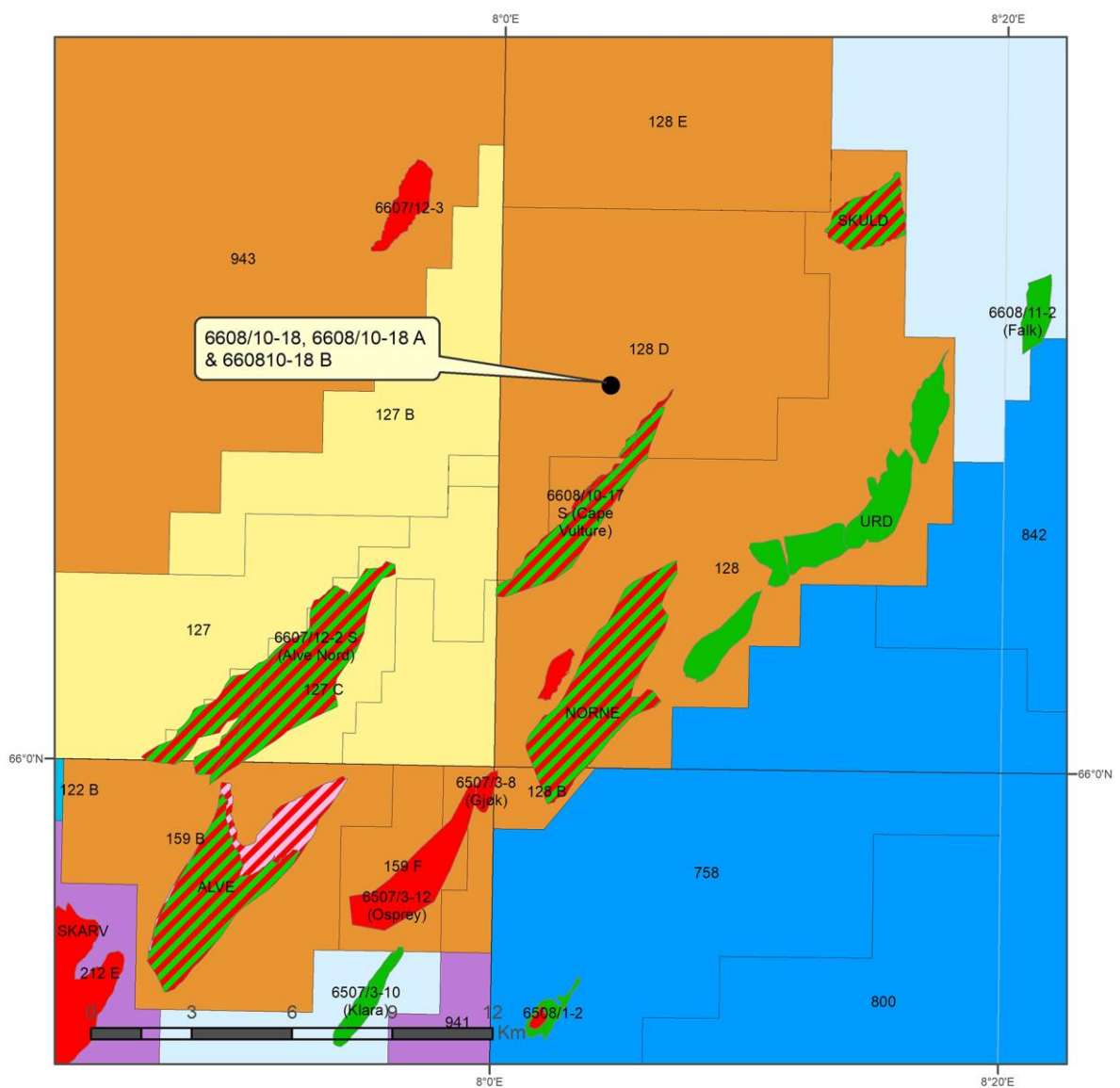
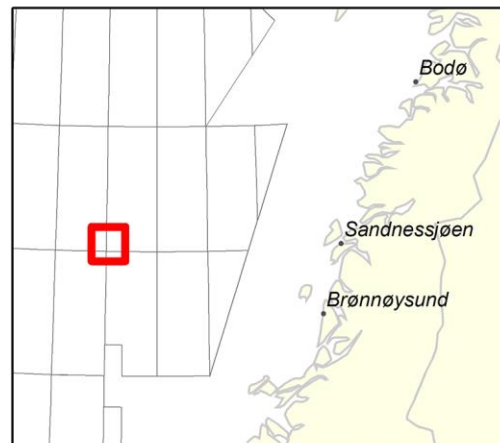
These are the three first exploration wells in [production licence 128 D](#), which was awarded in APA 2016.

Wells 6608/10-18, 6608/10-18 A and 6608/10-18 B were drilled to respective vertical depths of 3437, 3114 and 3256 metres, and respective measured depths of 3437, 3474 and 3585 metres below the sea surface. Well 6608/10-18 was terminated in the Melke formation (in the Middle to Upper Jurassic) and wells 6608/10-18 A and 6608/10-18 B were terminated in the Lange formation (Lower Cretaceous). Water depth is 372 metres. The wells will be permanently plugged and abandoned.

Wells 6608/10-18, 6608/10-18 A and 6608/10-18 B were drilled by the *Songa Encourage* drilling facility, which will now proceed to the Tyrihans field in the Norwegian Sea to drill production well 6407/1-A2 BH, where Equinor Energy AS is the operator.



Avgrensningsbrønn/Well  
6608/10-18, 6608/10-18 A  
og 6608/10-18 B  
Utvinningsstillatelse/PL 128 D



Utskriftsdato: 03.10.2018