

[NPD](#) – exploration drilling result

14/10/2019 The Norwegian Petroleum Directorate has granted Equinor Energy AS a drilling permit for well 35/11-23, cf. Section 15 of the Resource Management Regulations.

Well 35/11-23 will be drilled from the *Deepsea Atlantic* drilling facility in position 61°1'14.7"N and 3°27'49.21"E.

The drilling programme for well 35/11-23 relates to the drilling of a wildcat well in production licence 090. Equinor Energy AS is the operator with an ownership interest of 45 per cent. The other licensees are ExxonMobil Exploration and Production Norway AS (25 per cent), Idemitsu Petroleum Norge AS (15 per cent) and Neptune Energy Norge AS (15 per cent).

The area in this licence consists of a part of block 35/11. The well will be drilled about seven kilometres west of the Fram field.

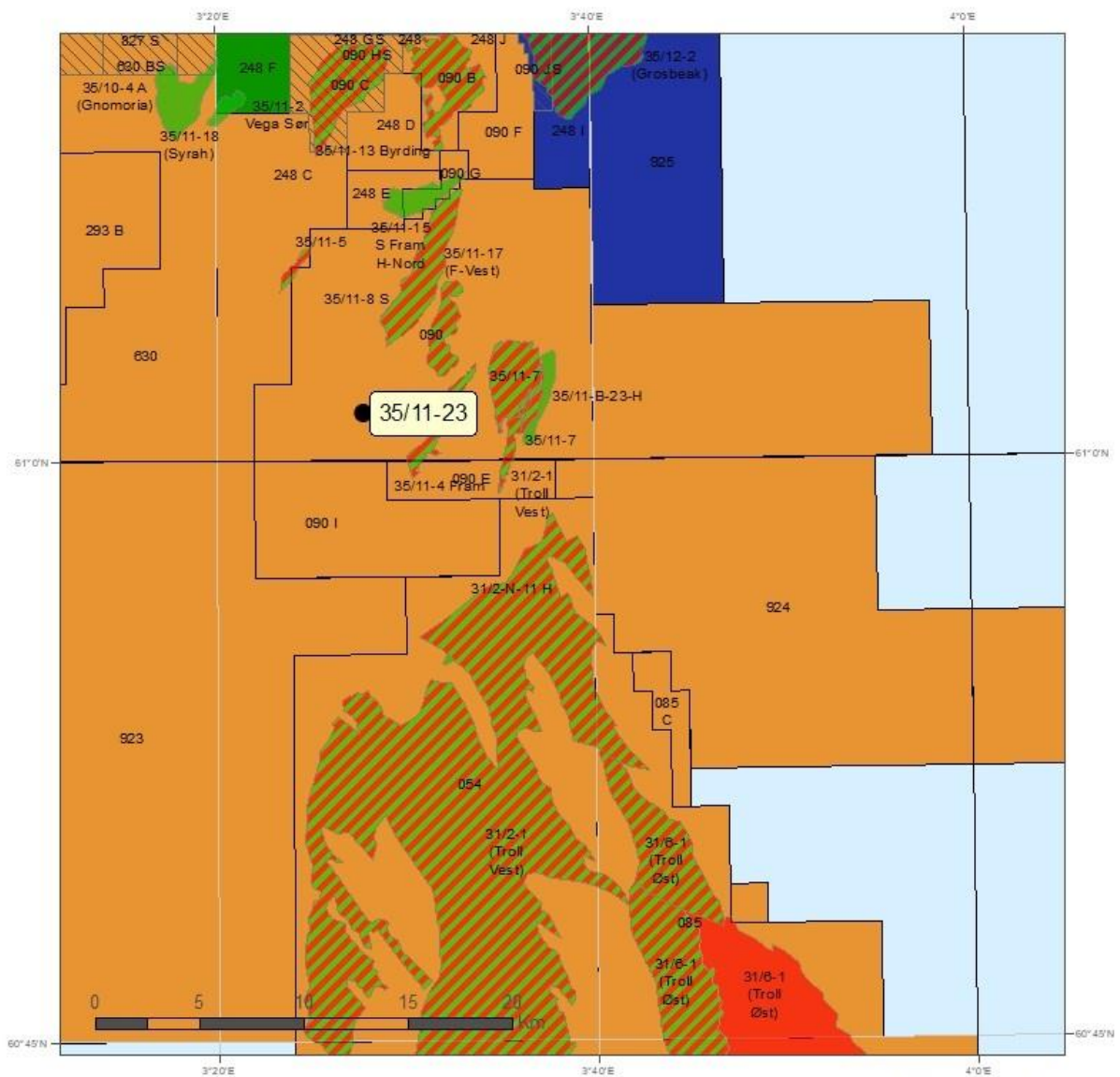
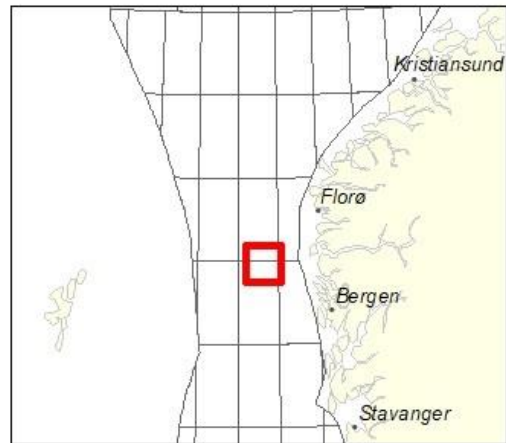
[Production licence 090](#) was awarded on 9 March 1984 (8th licensing round on the Norwegian shelf). This is the 17th well to be drilled in the licence.

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

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



Undersøkellesbrønn/Well
35/11-23
Utvinningsløyve/PL 090



Oil and gas discovery near the Fram field in the North Sea – 35/11-23

06/11/2019 Equinor Energy AS, operator of production licence 090, is in the process of completing the drilling of wildcat well 35/11-23. The well has been drilled about 3 kilometres southwest of the Fram field in the northern part of the North Sea, and 120 kilometres northwest of Bergen.

The primary exploration target for the well was to prove petroleum in the Upper Jurassic Sognefjord Formation. The secondary exploration target for the well was to prove petroleum in the Middle Jurassic Brent Group and to investigate the presence of reservoirs and reservoir quality in the Middle Jurassic Etive and Oseberg Formations.

In the primary exploration target, the well encountered two hydrocarbon-bearing sandstone intervals in the Sognefjord Formation. The uppermost interval has a combined oil and gas column of about 25 metres in sandstone with variable reservoir quality from good to extremely good.

The gas/oil contact was encountered, while the oil/water contact was not encountered. The other interval has an oil column of about 15 metres in sandstone with good to very good reservoir quality. The oil/water contact was encountered.

In the secondary exploration target, the well encountered a total oil and gas column of about 35 metres in the Ness and Etive Formations, whereof 30 metres of sandstone with moderate to very good reservoir quality. The gas/oil and oil/water contacts were encountered.

Preliminary estimates place the size of the discovery between 6 and 16 million standard cubic metres (Sm³) of recoverable oil equivalent. The licensees will consider tying the discovery into existing infrastructure in the Troll-Fram area, but an appraisal well will be drilled on the discovery first. There are also indications of hydrocarbons in a five-metre thick sandstone layer in the Viking Group in the Upper Jurassic directly over the Brent Group, which will be studied more closely.

The well was not formation-tested, but extensive volumes of data have been collected and samples have been taken.

This is the 16th exploration well in [production licence 090](#). The licence was awarded in the 8th licensing round in 1984.

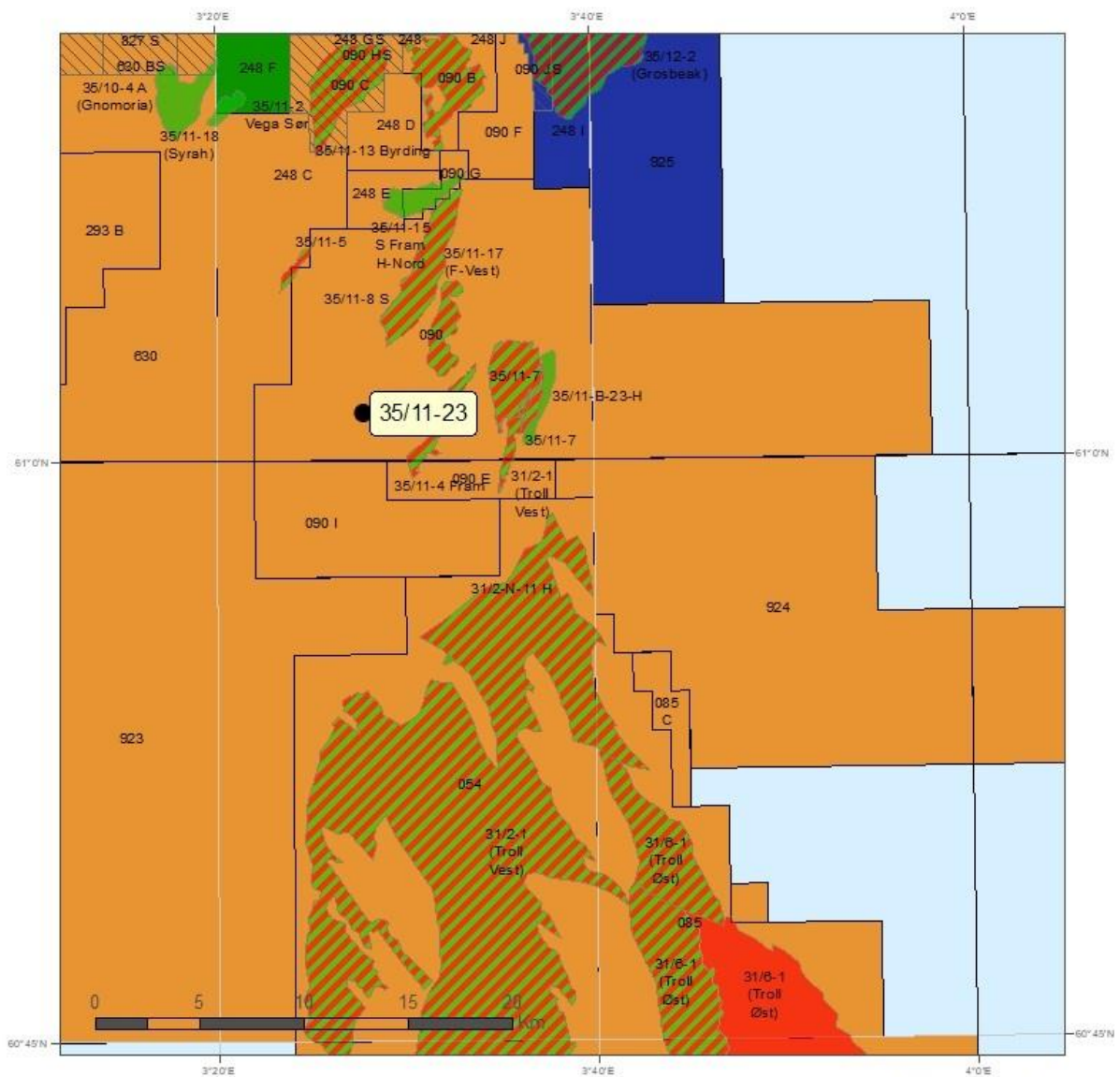
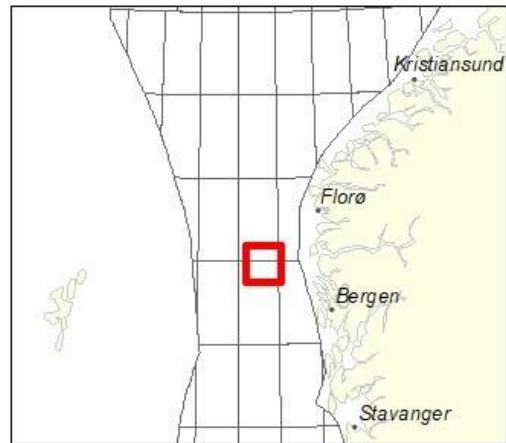
Well 35/11-23 was drilled to a vertical depth of 2946 metres below sea level and was terminated in the Dunlin Group in the Lower Jurassic. Water depth at the site is 350 metres.

The well will be permanently plugged and abandoned after completing the drilling of appraisal well 35/11-23 A.

Well 35/11-23 was drilled by the *Deepsea Atlantic* drilling facility which, after drilling 35/11-23 A, will drill production wells on the Askeladd Nord field in production licence 064 in the Barents Sea, where Equinor Energy AS is the operator.



Undersøkellesbrønn/Well
35/11-23
Utvinningsløyve/PL 090



Dry appraisal well on the 35/11-23 oil and gas discovery near the Fram field in the North Sea – 35/11-23 A

09/12/2019 Equinor Energy AS, operator of production licence 090, has concluded the drilling of appraisal well 35/11-23 A.

The well was drilled about 3 kilometres southwest of the Fram field in the northern part of the North Sea and 120 kilometres northwest of Bergen.

The discovery was proven in November 2019 in two sandstone intervals in Upper Jurassic reservoir rocks (the Sognefjord Formation), as well as in the secondary exploration target in the Brent Group.

The operator's resource estimate prior to drilling of the appraisal well was between 6 and 16 million standard cubic metres (Sm³) of recoverable oil equivalent.

The objective of the well was to delineate the discovery in the primary exploration target and to determine the ratio between oil and gas. The appraisal well was not drilled down to the discovery that was made in the secondary exploration target in the Brent Group.

The well encountered water in both sandstone intervals in the Sognefjord Formation. The uppermost has sandstone layers of about 40 metres with reservoir quality varying from good to very good, as in the 35/11-23 discovery well. The oil/water contact was proven on the basis of pressure data. The other sandstone interval has sandstone layers of about 30 metres with good to very good reservoir quality. The well is dry.

Preliminary estimates place the size of the discovery between 7 and 16 million standard cubic metres (Sm³) of recoverable oil equivalent. The licensees will consider tying the discovery into existing infrastructure in the Troll-Fram area.

The Viking Group in the Upper Jurassic was examined more closely in the appraisal well since there were indications of hydrocarbons in a sandstone layer at this level in the 35/11-23 discovery well. A sandstone layer about 10 metres

thickness was encountered in the appraisal well, but this was cemented and tight.

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

This is the 17th exploration well in [production licence 090](#). The licence was awarded in the 8th licensing round in 1984.

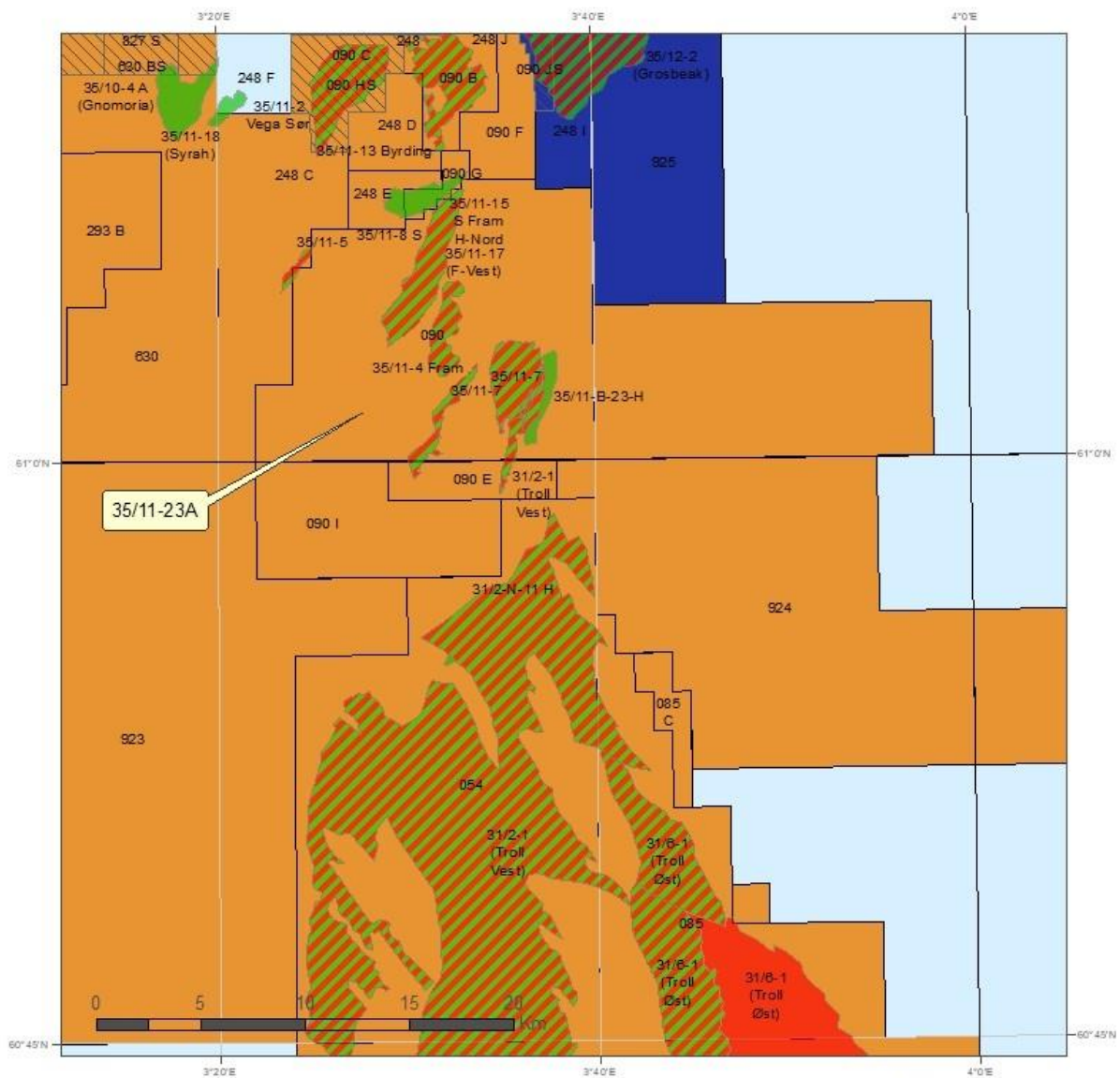
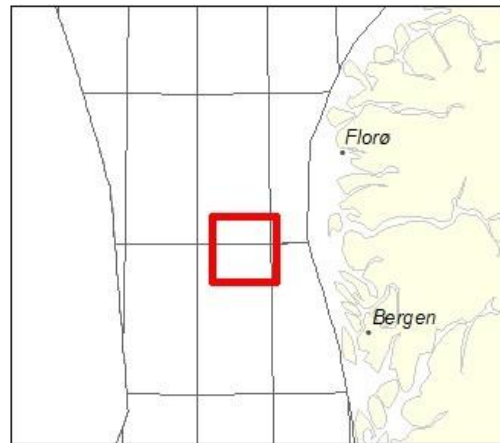
Well 35/11-23 A was drilled to a vertical depth of 2629 metres and a measured depth of 2853 metres below sea level, and was terminated in the Viking Group in the Upper-Middle Jurassic.

Water depth at the site is 350 metres. The well has been permanently plugged and abandoned.

Well 35/11-23 A was drilled by the Deepsea Atlantic drilling facility, which will now drill production wells on the Snøhvit field in production licence 064 in the Barents Sea, where Equinor Energy AS is the operator.



Avgrensningsbrønn/Well
35/11-23A
Utvinningsløyve/PL 090



Utskriftsdato: 04.12.2019