



Generell informasjon

Brønnbane navn	34/4-15 A
Type	EXPLORATION
Formål	WILDCAT
Status	PLUGGED
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	34/4-15 A (Sjøpølse)
Brønn navn	34/4-15
Seismisk lokalisering	NEP13903-02019. SP 1184. NEP19303-04030. SP 1211
Utvinningstillatelse	882
Boreoperatør	Neptune Energy Norge AS
Boretillatelse	1821-L
Boreinnretning	DEEPSEA YANTAI
Boredager	28
Borestart	16.07.2020
Boreslutt	12.08.2020
Plugget dato	12.08.2020
Frigitt dato	12.08.2022
Publiseringsdato	12.08.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	DRAUPNE FM
2. nivå med hydrokarboner, alder	MIDDLE JURASSIC
2. nivå med hydrokarboner, formasjon	RANNOCH FM
Avstand, boredekk - midlere havflate [m]	27.3
Vanndybde ved midlere havflate [m]	332.4
Totalt målt dybde (MD) [m RKB]	3844.0
Totalt vertikalt dybde (TVD) [m RKB]	3600.0
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM



Geodetisk datum	ED50
NS grader	61° 33' 45.84" N
ØV grader	2° 2' 37.52" E
NS UTM [m]	6826005.63
ØV UTM [m]	449196.91
UTM sone	31
NPDID for brønnbanen	9061

Brønnhistorie

General

The 34/4-15 A Sjøpølse well is a geological side-track to well 34/4-15 S west of the Snorre field on Tampen Spur in the North Sea. The primary wellbore found oil in the Middle Jurassic Rannoch Formation (Dugong prospect) and good hydrocarbon indications in a thin and poor reservoir quality Intra Draupne Formation sandstone. The primary objective of well 34/4-15 A was to appraise the Rannoch Formation discovery in well 34/4-15 S. The secondary objective was to prove petroleum in the Late Jurassic Intra Draupne Formation sandstone (Sjøpølse prospect).

Operations and results

Wildcat well 34/4-15 A was kicked off at 2012 m in the main well on 16 July 2020. The well was drilled with the semi-submersible installation Deepsea Yantai to TD at 3844 m (3600 m TVD) m in the Early Jurassic Drake Formation. Operations proceeded without significant problems. The well was drilled with Versatec oil-based mud from kick-off to TD.

Top of the Intra Draupne sandstone reservoir was penetrated at 3563 m (3320.6 m TVD). The reservoir is oil-filled with an ODT at 3663 m (3419.3 m TVD). The lower part is a better reservoir than the upper, and fluid sampling proved two separate oils at 0.705 g/cc and 0.65 g/cc in differing pressure regimes.

The Rannoch Formation was encountered at 3704 m. Pressure points gave an oil gradient that indicated 80 m oil column in the Rannoch Formation. However, logs and flowing fluid during sampling concluded on an oil-water contact at 3721 m (3477.3 m TVD), which represent an oil column of 21 m.

Three cores were cut in succession from 3569 to 3687 m in the Intra Draupne sandstones. The recoveries were 98.14 %, 98.46% and 102.72 % for cores 1, 2 and 3, respectively. MDT fluid samples were taken at 3565.3 m, (oil), 3626.71 m (oil), 3717.3 m (oil), and 3720.99 m (water with some oil). Gas chromatographic analyses indicated low degree of mud contamination in the oil samples.

The well was permanently abandoned on 12 August 2020 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1990.00	3844.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3569.0	3596.5	[m]
2	3597.0	3633.4	[m]
3	3634.0	3688.4	[m]

Total kjerneprøve lengde [m]	118.4
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
360	NORDLAND GP
2209	SHETLAND GP
2209	KYRRE FM
3360	TRYGGVASON FM
3524	CROMER KNOLL GP
3524	MIME FM
3532	VIKING GP
3532	DRAUPNE FM
3563	INTRA DRAUPNE FM SS
3688	HEATHER FM
3689	BRENT GP
3689	TARBERT FM
3704	RANNOCH FM
3802	DUNLIN GP
3802	DRAKE FM