



Generell informasjon

Brønnbane navn	34/8-13 S
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VISUND
Funn	34/8-1 Visund
Brønn navn	34/8-13
Seismisk lokalisering	inline ST0404-2227&crossline ST0404-1766
Utvinningstillatelse	120
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1222-L
Boreinnretning	SCARABEO 5
Boredager	44
Borestart	14.05.2009
Boreslutt	26.06.2009
Frigitt dato	26.06.2011
Publiseringsdato	26.06.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	BRENT GP
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	380.0
Totalt målt dybde (MD) [m RKB]	4442.0
Totalt vertikalt dybde (TVD) [m RKB]	3283.0
Maks inklinasjon [°]	63.2
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	LUNDE FM
Geodetisk datum	ED50
NS grader	61° 24' 15.8" N



ØV grader	2° 34' 52" E
NS UTM [m]	6808065.46
ØV UTM [m]	477631.61
UTM sone	31
NPDID for brønnbanen	6025

Brønnhistorie

General

Wells 34/8-13 A and 34/8-13 S were drilled in the Tampen Spur area of the North Sea. The objective of the wells was to test the hydrocarbon potential in the Titan prospect. The prospect is located east of the Visund N2 Brent segment as part of the Visund N2 East Flank degradation complex, and contains two slide blocks, B and C. The primary objective of the 34/8-13A was to test the hydrocarbon potential of slide block B in the Titan prospect while the sidetrack 34/8-13 S, was drilled to test slide block C. For technical reasons the naming of these wells is reversed compared to usual practice: the A well is the main well while the S well is the geological sidetrack.

Operations and results

Wildcat well 34/8-13 S was kicked off at 1346 m in well 34/8-13A on 14 May 2009. It was drilled with the semi-submersible installation Scarabeo 5 to TD at 4442 m (3283 m TVD) in the Triassic Lunde Formation. The well was drilled with XP-07 oil based mud from kick-off to TD.

The well penetrated rocks of Tertiary, Cretaceous, Jurassic, and Triassic age. Top Draupne Formation shale was penetrated at 3865 m (2859.4 m TVD), top Heather Formation shale at 3884 m (2873.1 m TVD), and top Tarbert Formation sandstone at 3896 m (2881.7 m TVD). Oil was found in degraded Tarbert and Ness Formation sandstones in the Brent Group. An oil leg of 20 m TVD was proven in the well position with oil down to 2901 m TVD and water up to 2901.8 m TVD. Shows were not recorded anywhere in the well outside of the oil-bearing reservoir.

Two cores were cut in the Brent Group from 3906 to 3952.5 m. MDT oil samples were taken at 3917.2 m in the Ness Formation. The contamination from the OBM in these were 14 to 14.5 %wt. Analysis of the oil base in the mud filtrate proved a narrow cut of n-alkanes centred around C13.

The well was permanently abandoned on 26 June 2009 as an oil discovery. In June 2018 the well was reclassified as an appraisal well for the discovery 34/8-1 Visund.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
3560.00	4442.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3906.0	3931.4	[m]
2	3932.0	3952.3	[m]

Total kjerneprøve lengde [m]	45.7
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
405	NORDLAND GP
1120	UTSIRA FM
1217	HORDALAND GP
1925	ROGALAND GP
1925	BALDER FM
1987	SELE FM
2020	LISTA FM
2123	SHETLAND GP
2123	JORSALFARE FM
2577	KYRRE FM
3830	TRYGGVASON FM
3857	CROMER KNOLL GP
3857	ÅSGARD FM
3865	VIKING GP
3865	DRAUPNE FM
3884	HEATHER FM
3896	BRENT GP
3896	TARBERT FM
3907	NESS FM
3945	ETIVE FM
3953	DUNLIN GP
3953	DRAKE FM
3972	COOK FM
4085	AMUNDSEN FM



4123	STATFJORD GP
4282	HEGRE GP
4282	LUNDE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT GR	3897	4265
MSIP OBMI PPC	3548	4295
MWD - ECO TELE SEISMICVISION	3556	4442
MWD - TELE ARCVRES8	1350	3556
OBMI MSIP PPC XPT	3548	4099

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1330	1.41	16.0		XP-07 - #14	
1511	1.42	19.0		XP-07 - #14	
1963	1.46	21.0		XP-07 - #14	
2445	1.48	23.0		XP-07 - #14	
3556	1.48	20.0		XP-07 - #14	
3560	1.48	22.0		XP-07 - #14	
3865	1.61	28.0		XP-07 - #14	
3952	1.61	25.0		OBM-Low ECD	
4279	1.61	27.0		XP-07 - #14	
4442	1.61	29.0		XP-07 - #14	
4442	1.48	21.0		XP-07 - #14	
4442	1.61	26.0		XP-07 - #14	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
6025_Formalion_pressure_(Formasjonstrykk)	pdf	0.22

