



Generell informasjon

Brønnbane navn	34/8-12 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GIMLE
Funn	34/8-12 S
Brønn navn	34/8-12
Seismisk lokalisering	NH9263-16
Utvinningstillatelse	120
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	1016-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	34
Borestart	06.11.2001
Boreslutt	09.12.2001
Frigitt dato	09.12.2003
Publiseringsdato	06.01.2014
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	BRENT GP
2. nivå med hydrokarboner, alder	EARLY JURASSIC
2. nivå med hydrokarboner, formasjon	AMUNDSEN FM
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	273.0
Totalt målt dybde (MD) [m RKB]	3347.0
Totalt vertikalt dybde (TVD) [m RKB]	3183.5
Maks inklinasjon [°]	46.1
Temperatur ved bunn av brønnbanen [°C]	125



Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	LUNDE FM
Geodetisk datum	ED50
NS grader	61° 16' 4.9" N
ØV grader	2° 20' 31.95" E
NS UTM [m]	6792981.30
ØV UTM [m]	464721.60
UTM sone	31
NPDID for brønnbanen	4424

Brønnhistorie

General

Well 34/8-12 S was drilled on the "B prospect" ca one km south of the Visund Field on Tampen Spur in the North Sea. The main objective of the well was to explore the hydrocarbon potential in the Statfjord/Amundsen Formations. A secondary target was to explore the hydrocarbon potential in the underlying Lunde Formation.

Operations and results

Wildcat well 34/8-12 S was spudded with the semi-submersible installation Transocean Arctic on 6 November 2001 and drilled to TD at 3347 m (3184 m TVD) in the Late Triassic Lunde Formation. Total loss of mud occurred at 2201 m and the well was plugged back and technically sidetracked from 1910 m (34/8-12 S T2). The well was drilled with seawater and hi-vis pills down to 1547 m and with Versavert oil based mud from 1547 m to TD.

Top Viking Group was penetrated at 3048 m and consisted of a thin section of Draupne and Heather Formation shales. The Middle Jurassic Brent Group, which was believed to be absent in the well location, was encountered at 3055 m (2891.6 m TVD). It was oil/condensate-filled with a down-to contact at top Dunlin Group at 3081 m (2917 m TVD). The Amundsen Formation was oil-filled from top at 3158 m (2994.6 m TVD) to a down-to contact at 3177.3 m (3014 m TVD). Top of the Statfjord Group came in at 3184.5 m (3021.1 m TVD). The Statfjord and Lunde Formations were water bearing with a pressure gradient indicating that the down-to contact in Amundsen Formation is close to the actual OWC. No shows were described outside of the oil-bearing sections.

No cores were cut in the well. MDT fluid samples were taken in the Brent Group at 3056 m (oil and gas), 3067.5 m (oil and gas), and in the Amundsen Formation at 3159.6 m (oil and gas).

The well was permanently abandoned on 9 December 2001 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1560.00	3347.00
Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
297	NORDLAND GP
961	UTSIRA FM
1110	HORDALAND GP
1839	ROGALAND GP
1839	BALDER FM
1886	SELE FM
1924	LISTA FM
2070	SHETLAND GP
2070	JORSALFARE FM
2382	KYRRE FM
3043	CROMER KNOLL GP
3043	UNDIFFERENTIATED
3048	VIKING GP
3048	DRAUPNE FM
3050	HEATHER FM
3055	BRENT GP
3055	UNDIFFERENTIATED
3081	DUNLIN GP
3081	UNDIFFERENTIATED
3158	AMUNDSEN FM
3185	STATFJORD GP
3185	UNDIFFERENTIATED
3253	HEGRE GP
3253	LUNDE FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4424_34_8_12_S_COMPLETION_LOG	.PDF	3.40
4424_34_8_12_S_COMPLETION_REPORT	.pdf	8.94





Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PEX DSI GR	2650	3343
CST GR	3049	3183
MDT GR	3056	3307
MWD - PP	297	373
MWD - PP CDR	373	2201
MWD - PP CDR	1900	2960
MWD - PP CDR ADN	2960	3347
VSP GR	2650	3340

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
INTERM.	9 5/8	3548.0	12 1/4	3556.0	1.80	LOT
OPEN HOLE		4124.0	8 1/2	4124.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1520	1.45	30.0		oil based	
1553	1.50	26.0		oil based	
1644	1.50	26.0		oil based	
2107	1.55	38.0		oil based	
2201	1.48	23.0		oil based	
2960	1.45	26.0		oil based	
3347	1.62	36.0		oil based	

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]
4424 Formation pressure (Formasjonstrykk)	pdf	0.20

