



Generell informasjon

Brønnbane navn	34/10-44 S
Type	EXPLORATION
Formål	WILDCAT
Status	RE-CLASS TO DEV
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GULLFAKS SØR
Funn	34/10-44 S (Rimfaks Lunde)
Brønn navn	34/10-44
Seismisk lokalisering	
Utvinningstillatelse	050
Boreoperatør	Statoil ASA (old)
Boretillatelse	1018-L
Boreinnretning	TRANS. WILDCAT
Boredager	40
Borestart	30.05.2001
Boreslutt	08.07.2001
Frigitt dato	08.07.2003
Publiseringsdato	19.10.2006
Opprinnelig formål	WILDCAT
Reklassifisert til brønnbane	34/10-J-4 H
Gjenåpnet	NO
Innhold	GAS/CONDENSATE
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE TRIASSIC
1. nivå med hydrokarboner, formasjon.	LUNDE FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	137.0
Totalt målt dybde (MD) [m RKB]	4865.0
Totalt vertikalt dybde (TVD) [m RKB]	3671.0
Maks inklinasjon [°]	58.5
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	LUNDE FM
Geodetisk datum	ED50
NS grader	61° 3' 50.65" N



ØV grader	2° 0' 10.91" E
NS UTM [m]	6770494.13
ØV UTM [m]	446185.45
UTM sone	31
NPDID for brønnbanen	4422

Brønnhistorie

General

Well 34/10-44 S was drilled under and east of the Rimfaks Discovery in the southern Tampen Spur area. The primary objective was gas injection in the Statfjord Formation Reservoir, which did not get sufficient support by the existing injector 34/10-J-1 H. The well is located in the P3 segment, situated in the northern part of the Rimfaks Discovery. The secondary objective was to drill into the Lunde Formation to investigate the hydrocarbon potential in this formation in the Rimfaks structure. Tertiary objective is gathering additional reservoir data for the Cook Formation. Coring was planned in the upper and middle parts of the formation.

Operations and results

Exploration well 34/10-44 S was spudded with the semi-submersible installation Transocean Wildcat on 30 May 2001 and drilled deviated to TD at 4865 m (3671 m TVD RKB) in the Triassic Lunde Formation. The top hole was vertical down to 226 m where the well started to build angle. The well was drilled using seawater and hi-vis pills down to 709 m, with Glydril KCl /polymer mud from 719 m to 2312 m, and with Versavert oil based mud from 2312 m to TD.

The Cook Formation was not present in the well. The well penetrated a 490 m interval with gas and condensate in a reservoir with moderate to good reservoir properties in the Lunde Formation.

One core was cut from 4447 m to 4492 m.

Well 34/10-44 S was suspended on 8 July 2001 as a gas/condensate discovery. It was re-entered with the semi-submersible installation Deepsea Trym for production testing.

Testing

A production test was performed in the Lunde Formation. The test produced oil, condensate, and gas from two different zones. Testing operations were terminated on 30 September 2001 and the test interval was permanently plugged and abandoned. After testing the well was converted to gas injection well 34/10-J-4 H in the Statfjord Formation.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
162	NORDLAND GP
162	UNDIFFERENTIATED
841	UTSIRA FM



965	HORDALAND GP
965	UNDIFFERENTIATED
2002	ROGALAND GP
2002	BALDER FM
2060	LISTA FM
2278	SHETLAND GP
2278	UNDIFFERENTIATED
3498	DUNLIN GP
3498	BURTON FM
3535	AMUNDSEN FM
3720	STATFJORD GP
3720	NANSEN FM
3776	EIRIKSSON FM
3982	RAUDE FM
4200	HEGRE GP
4200	LUNDE FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4422 34 10 44 S COMPLETION LOG	.pdf	5.10
4422 34 10 44 S COMPLETION REPORT	.PDF	0.77

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	4654	4868	17.4
2.0	4627	4649	11.1

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				
2.0				





Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0	550	560000	0.770	0.742	1020
2.0	645	350000	0.795	0.745	542

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR MDT CMR+	3730	3853
GR MDT CMR+	3765	3765
GR MDT CMR+ MDT SAMPLE	3861	4587
MWD CDR - VISION ADN	0	4818

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
CONDUCTOR	30	220.0	36	220.0	0.00	LOT
SURF.COND.	20	711.0	26	724.0	1.54	LOT
INTERM.	13 3/8	2305.0	17 1/2	2315.0	1.73	LOT
INTERM.	9 5/8	3752.0	12 1/4	3762.0	1.74	LOT
LINER	7	4865.0	8 1/2	4865.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
711	1.03			seawater	
2305	1.44			Glydrillr	
3752	1.60			Versavert	
4861	1.56			Versavert	
4865	0.00			seawater	

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]
4422 Formation pressure (Formasjonstrykk)	pdf	0.22

