



## Generell informasjon

Brønnbane navn	34/10-47 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	<a href="#">lenke til pressemelding</a>
Faktakart i nytt vindu	<a href="#">lenke til kart</a>
Hovedområde	NORTH SEA
Felt	<a href="#">GULLFAKS SØR</a>
Funn	<a href="#">34/10-47 S Gulltopp</a>
Brønn navn	34/10-47
Seismisk lokalisering	ST9607-inline 2401 & CDP 2056
Utvinningstillatelse	<a href="#">050 B</a>
Boreoperatør	Statoil ASA (old)
Boretillatelse	1042-L
Boreinnretning	<a href="#">DEEPSEA TRYM</a>
Boredager	42
Borestart	22.09.2002
Boreslutt	02.11.2002
Frigitt dato	02.11.2004
Publiseringsdato	01.12.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
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]	140.0
Totalt målt dybde (MD) [m RKB]	4027.0
Totalt vertikalt dybde (TVD) [m RKB]	2445.2
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	RANNOCH FM
Geodetisk datum	ED50
NS grader	61° 10' 52.5" N
ØV grader	2° 3' 11.1" E
NS UTM [m]	6783505.97



ØV UTM [m]	449075.98
UTM sone	31
NPDID for brønnbanen	4609

## Brønnhistorie

### General

Well 34/10-47 S was drilled in the southeastern part of the Tampen Spur area 3 - 4 km north of the Gullveig Field and about 5 km west of Gullfaks. The main objective of well 34/10-47 S was to investigate the hydrocarbon potential in sandstones in the Late Jurassic Aurora prospect and secondary to investigate the hydrocarbon potential of the Middle Jurassic Brent Group in prospect Dolly, segment N7. The N7 structure is a rotated fault block and the trap is defined by a protrusion on the main fault. The third objective was to sidetrack into the underlying Statfjord Formation in N7 (well 34/10-47 A).

### Operations

The wildcat well 34/10-47 S was spudded on 22 September 2002 with the semi-submersible installation Deepsea Trym and drilled deviated through the Middle Jurassic Rannoch Formation as the stratigraphically oldest sediments in the well path to the final TD at 4027 m (2445.2 m TVD RKB) in the Late Cretaceous Shetland Group. The well was first lost due to stuck pipe a few metres into the Brent reservoir at 2880 m MD. A technical sidetrack was therefore performed from 2428 m MD in the lower part of the Shetland Group. The sidetrack was drilled to TD without significant problems. The well was drilled with CMC/seawater down to 725 m, with Glydril (water based with glycol) mud from 725 m to 1939 m, and with Versavert OBM from 1939 m to TD. No shallow gas was registered neither on gas readings or resistivity logs. In the 17 1/2" section the real time log had some missing parts due to high ROP. Gamma ray values are 5-6 times higher than expected but in some intervals the GR reads lower values due to influence from the KCl-mud.

The main target of the well 34/10-47 S, the Aurora prospect, proved to be non-existing. Well 34/10-47 S continued and drilled into the Brent prospect (secondary objective) in the N7 segment and penetrated a 65 m thick hydrocarbon column in the Brent Group. The discovery was oil and it was documented different oil-water contacts in the upper and lower Brent Group. Total hydrocarbon column is estimated to be 150 m TVD. Pressure testing showed that the hydrocarbon filled part of the Brent reservoir in well 34/10-47 S is depleted with 29-57 bars. One wire line log run was performed to acquire formation pressure and fluid samples. Eleven fluid samples were collected in the reservoir and the samples consisted mainly of oil. Four of the samples were analysed offshore. The average oil density (reservoir conditions) measured was 0.688 g/ccm and average Bo was 1.383. In the Tarbert Formation the formation pressure points give a gradient of 0.0664 bar/m i.e. an oil density at reservoir conditions of 0.677 g/cm3. No coring was performed in the well.

Well 34/10-47 S was plugged 2 November 2002 as an oil discovery.

### Testing

No drill stem test was performed.

## Borekaks i Sokkeldirektoratet



## Faktasider

### Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 13:11

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
730.00	2843.00

Borekaks tilgjengelig for prøvetaking?	YES
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### Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		0.00	0.00	OIL		YES

### Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
165	<a href="#">NORDLAND GP</a>
945	<a href="#">UTSIRA FM</a>
968	<a href="#">HORDALAND GP</a>
1698	<a href="#">ROGALAND GP</a>
1698	<a href="#">BALDER FM</a>
1765	<a href="#">LISTA FM</a>
1916	<a href="#">SHETLAND GP</a>
2444	<a href="#">CROMER KNOLL GP</a>
2458	<a href="#">VIKING GP</a>
2458	<a href="#">DRAUPNE FM</a>
2489	<a href="#">HEATHER FM</a>
2876	<a href="#">BRENT GP</a>
2876	<a href="#">TARBERT FM</a>
2910	<a href="#">BRENT GP</a>
2910	<a href="#">RANNOCH FM</a>
3000	<a href="#">BRENT GP</a>
3000	<a href="#">RANNOCH FM</a>
3285	<a href="#">ETIVE FM</a>
3355	<a href="#">NESS FM</a>
3580	<a href="#">TARBERT FM</a>
3804	<a href="#">VIKING GP</a>
3804	<a href="#">HEATHER FM</a>
3923	<a href="#">DRAUPNE FM</a>



3964 | [SHETLAND GP](#)

**Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)**

Dokument navn	Dokument format	Dokument størrelse [KB]
<a href="#">4609_34_10_47_S_COMPLETION_LOG</a>	.pdf	4.05
<a href="#">4609_34_10_47_S_COMPLETION_REPORT</a>	.PDF	0.39

**Logger**

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT GR	2979	3775
MWD LWD - 675 VADN APWD	1944	2880
MWD LWD - CDR PWD	224	1939
MWD LWD - ROP	165	227
MWD LWD - ROP	1939	1944
MWD LWD - VISION 675	2428	2450
MWD LWD - VISION 675 VADN APWD	2450	4027

**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	223.0	36	227.0	0.00	LOT
SURF.COND.	20	719.0	26	725.0	1.63	LOT
INTERM.	13 3/8	1931.0	17 1/2	1939.0	1.76	LOT
OPEN HOLE		4027.0	8 1/2	4027.0	0.00	LOT

**Boreslam**

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
227	1.05			seawater	
725	1.20			seawater	
1939	1.25			glydrill	
1944	1.50			versavert	
2880	1.63			versavert	





4027	1.63			versavert	
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### 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]
<a href="#">4609 Formation pressure (Formasjonstrykk)</a>	pdf	0.22

