



Generell informasjon

Brønnbane navn	34/10-48 A
Type	EXPLORATION
Formål	APPRAISAL
Status	RE-CLASS TO DEV
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GIMLE
Funn	34/10-48 S Gimle
Brønn navn	34/10-48
Seismisk lokalisering	inline 2963- CD 3155-TVD 2750
Utvinningstillatelse	050
Boreoperatør	Statoil ASA (old)
Boretillatelse	1089-L
Boreinnretning	GULLFAKS C
Boredager	55
Borestart	23.12.2004
Boreslutt	15.02.2005
Frigitt dato	15.02.2007
Publiseringsdato	28.02.2008
Opprinnelig formål	APPRAISAL
Reklassifisert til brønnbane	34/10-C-46
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	INTRA HEATHER FM SS
2. nivå med hydrokarboner, alder	MIDDLE JURASSIC
2. nivå med hydrokarboner, formasjon	BRENT GP
Avstand, boredekk - midlere havflate [m]	84.1
Vanndybde ved midlere havflate [m]	217.0
Totalt målt dybde (MD) [m RKB]	5878.0
Totalt vertikalt dybde (TVD) [m RKB]	2876.0
Maks inklinasjon [°]	103
Temperatur ved bunn av brønnbanen [°C]	109



Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	NESS FM
Geodetisk datum	ED50
NS grader	61° 12' 53.78" N
ØV grader	2° 16' 27.79" E
NS UTM [m]	6787106.31
ØV UTM [m]	461018.63
UTM sone	31
NPDID for brønnbanen	5046

Brønnhistorie

General

Well 34/10-48 A was drilled on the Gullfaks Field in the Northern North Sea, from the Gullfaks C platform. The main exploration objective of the well was to test the hydrocarbon potential of the Brent Group in the Topas prospect, same as for the primary well 34/1-48 S. The well should be completed as a producer. The preliminary results of the well 34/10-48 S indicated however that the well path had penetrated low on the Topas structure, which was not ideal for production. It was therefore decided to drill the sidetrack 34/10-48 A and aim as high on the re-interpreted structure as possible.

Operations and results

Sidetrack well 34/10-48 A was spudded from a preset 32" conductor at slot 29 on the Gullfaks C platform on 17 March 2004. It was kicked off from 48 S at 5120 m and inclination was increased to 103 deg in order to avoid the OWC found in 48 S. The well path was lifted approximately 100 m TVD on the most compared to 48 S. The well was drilled with Versavert oil based mud from kick-off to TD

The well 34/10-48 A drilled through hydrocarbon filled sands of both Tarbert and Ness Formations before entering the Late Jurassic sequence. The well bore was abandoned at a TD of 6221 m /2870 m TVD in the Viking Group before re-entering the Topas structure in the north. This was due to severe hole problems after a bit trip to change a failed drilling assembly. An open hole sidetrack (34/10-48 AT2) was performed with kick-off in the Ness Formation at 5608 m. This track was drilled to final TD at 5878 m / 2846 m TVD RKB in the Late Jurassic sequence. The last 50 m of well 34/10-

48 AT2 drilled through intra Heather sandstones with apparently good reservoir quality and hydrocarbon saturation.

No cores were cut and no fluid samples were collected in 34/10-48 A.

The final sidetrack, 34/10-48 AT2 was completed with one manual sleeve in Lunde, three diacs sleeves in Brent and finally another manual sleeve in the Late Jurassic interval. The well is classified as an oil appraisal. Well operations were completed on 15 February 2005 and the well was handed over to production on 22 February 2005 and re-named 34/10-C-46.

Testing

No drill stem test was performed.



Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
5120.00	6220.00
Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
301	NORDLAND GP
1102	UTSIRA FM
1122	HORDALAND GP
2357	ROGALAND GP
2357	BALDER FM
2528	LISTA FM
2851	SHETLAND GP
3612	CROMER KNOLL GP
3657	HEGRE GP
3657	LUNDE FM
4645	DUNLIN GP
4645	DRAKE FM
4891	COOK FM
5008	VIKING GP
5008	HEATHER FM
5158	BRENT GP
5158	TARBERT FM
5460	NESS FM
5461	TARBERT FM
5611	VIKING GP
5611	HEATHER FM
5988	SHETLAND GP
6067	CROMER KNOLL GP
6136	VIKING GP

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
ARC6 ADN6	5608	5878
LWD - ARC6 ADN6	5850	6221
LWD - ARC6 ADN6 TST6	5106	5850

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
4430	1.61			VERSAVERT 41	
4438	1.61	41.0		VERSAVERT 41	
5430	1.57	36.0		VERSAVERT 41	
5600	1.59	36.0		VERSAVERT 41	
6221	1.61	37.0		VERSAVERT 41	

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]
5046_Formation_pressure_(Formasjonstrykk)	pdf	0.21

