



Generell informasjon

Brønnbane navn	33/12-8 A
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GULLFAKS SØR
Funn	33/12-8 A Skinfaks
Brønn navn	33/12-8
Seismisk lokalisering	
Utvinningstillatelse	152
Boreoperatør	Statoil ASA (old)
Boretillatelse	1037-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	21
Borestart	26.04.2002
Boreslutt	16.05.2002
Frigitt dato	16.05.2004
Publiseringsdato	18.05.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	TARBERT FM
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	137.0
Totalt målt dybde (MD) [m RKB]	5098.0
Totalt vertikalt dybde (TVD) [m RKB]	3399.0
Temperatur ved bunn av brønnbanen [°C]	119
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	RANNOCH FM
Geodetisk datum	ED50
NS grader	61° 4' 38.34" N



ØV grader	1° 57' 56.2" E
NS UTM [m]	6772000.95
ØV UTM [m]	444189.05
UTM sone	31
NPDID for brønnbanen	4532

Brønnhistorie

General

Well 33/12-8 A is a sidetrack from well 33/12-8 S in the Tampen Spur area. It is situated on a westerly rotated fault block on the southern part of the Beta Ridge. The main objective of well 33/12-8 A was to investigate the hydrocarbon potential in the Middle Jurassic Brent Group in the "Ole" prospect (Skinfaks segment N2), as a result of the positive hydrocarbon discovery in the Skinfaks N3 segment. The secondary objective was to identify the hydrocarbon contact in the Tarbert Formation.

Operations

The wildcat well 33/12-8 A was side-tracked from the 13 3/8" casing at 2066 m in well 33/12-8 S on 26 April 2002 with the semi-submersible installation Borgland Dolphin and drilled to TD at 5098 m /3399.5 m TVD RKB in the Rannoch Formation. The well was drilled with Versavert OBM from kick-off to TD. For well history above sidetrack, see well 33/12-8 S. Technical difficulties were experienced during the sidetrack of 33/12-8 A. Because of problems with attaining the necessary azimuth turn to reach target T1, it was necessary to pull out twice in the beginning of the well to get the desired well path.

Both geology and oil-water contact came approximately as prognosed in segment N2. Gas was proven in the uppermost part of the reservoir, while the lower part is oil filled. The sediment layers in segment N2 came in 30 meters deeper than prognosed.

No cores were cut. Twelve fluid samples were collected in well 33/12-8 A, in two reservoirs of the Tarbert Formation. Six of the samples were collected in the N3 reservoir. Oil was found in the samples collected from the depths 2954 and 2922 m. Gas/condensate was found at depths 2906 and 2868 m. The oil samples collected from depths 2922 and 2954 suffered different technical problems and one sample from 2922 contained 12 percent contamination. The gas/condensate samples contained 28 to 40 percent contamination. The last six samples were collected in the N2 reservoir. Water was found in the sample from depth 4606 m, oil was found in the samples collected from depth 4565 m, and gas/condensate was found in the samples from depths 4136.4 and 4033 m. The oil samples collected from depths 4565 m contained 15 percent contamination. The gas/condensate samples contained 3 to 19 percent contamination. The water sample was not registered with any contamination.

The pore pressure at the top of the Brent prospect in segment N2 is calculated to be 411 Bars (2825 m TVD MSL), corresponding to 1.48 g/cm³ EMW. Well 33/12-8 A was suspended on 16 May 2002 as an oil and gas discovery and a possible future producer.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
2090.00	5095.00

Borekaks tilgjengelig for prøvetaking?	YES
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Oljeprøver i Sökkeldirektoratet

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

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
168	NORDLAND GP
840	UTSIRA FM
931	HORDALAND GP
1807	ROGALAND GP
1807	BALDER FM
1885	LISTA FM
2030	SHETLAND GP
2649	VIKING GP
2649	HEATHER FM
2866	BRENT GP
2866	TARBERT FM
3127	NESS FM
3182	TARBERT FM
3630	VIKING GP
3630	HEATHER FM
3902	BRENT GP
3902	TARBERT FM
4167	VIKING GP
4167	HEATHER FM
4554	BRENT GP
4554	TARBERT FM
4770	NESS FM
5041	ETIVE FM



5075 [RANNOCH FM](#)

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4532	pdf	0.57

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4532_33_12_8_A_COMPLETION_LOG	.pdf	2.27
4532_33_12_8_A_COMPLETION_REPORT	.pdf	0.60

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT TLC	2850	4606
MDT TLC	3125	5078
MWD - LWD CDR	2100	2283
MWD - LWD CDR	2283	2411
MWD - LWD CDR	2814	5098
MWD - LWD CDR BHI	2411	2814
PEX AITH GR	2778	3801
PEX AITH GR	3700	5078
PEX AITH GR MDT	2066	3170

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	5098.0	12 1/4	5098.0	0.00	LOT

Boreslam





Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
2449	1.64	42.0		VERSAVERT	
2775	1.64	40.0		VERSAVERT	
2832	1.64	44.0		VERSAVERT	
3962	1.64	56.0		VERSAVERT	
4297	1.64	49.0		VERSAVERT	
4297	1.64	49.0		VERSAVERT	

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]
4532 Formation pressure (Formasjonstrykk)	pdf	0.22

