



Generell informasjon

Brønnbane navn	34/10-53 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	34/10-53 A
Brønn navn	34/10-53
Seismisk lokalisering	3D surv-ST0504-inline 1392 & xline 2331
Utvinningstillatelse	050
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1329-L
Boreinnretning	DEEPSEA ATLANTIC
Boredager	70
Borestart	24.03.2011
Boreslutt	01.06.2011
Frigitt dato	01.06.2013
Publiseringsdato	01.06.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS/CONDENSATE
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	BRENT GP
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	137.0
Totalt målt dybde (MD) [m RKB]	4855.0
Totalt vertikalt dybde (TVD) [m RKB]	3992.0
Maks inklinasjon [°]	60.9
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	61° 4' 4.71" N
ØV grader	2° 7' 0.34" E



NS UTM [m]	6770840.98
ØV UTM [m]	452330.01
UTM sone	31
NPDID for brønnbanen	6495

Brønnhistorie

General

Well 34/10-53 S and the subsequent geologic sidetrack 34/10-53 A was drilled in the Rimfaksdalen area, a down faulted and rotated fault-block in between Rimfaks and Gullfaks Sør. The general objective for the two wells was to determine the basis for further development in the Gullfaks Sør and Rimfaks area by exploring the Rutil, Opal and Brookitt prospects. The primary target for well 34/10-53 A was to test the Middle Jurassic Brent Group Opal prospect.

Operations and results

Wildcat well 34/10-53 A was kicked off at 2147 m in well 34/10-53 S on 24 March 2011. The well was drilled with the semi-submersible installation Deepsea Atlantic. It was drilled to base of 12 1/4" section at 4592 m where it was abandoned due to a leak in the 9 5/8" liner. A technical sidetrack 34/10-53 AT2 was initiated with kick off at 1972 m and this well bore was drilled to final TD at 4855 m (3992 m TVD) in the Middle Jurassic Drake Formation. Well 34/10-53 AT2 was drilled with Versatherm oil based mud.

The Brent Group, Tarbert Formation was encountered at 4544 m (3693 m TVD), 63 m shallower than prognosed and with a slightly thinner Brent package than expected. Gas was proven in two different hydrocarbon systems with a GDT situation in Tarbert Formation proving a column of 72 m (apex to GWC) and a GWC in Ness Formation proving a column of 98 m (Ness apex-GWC). Reservoir properties were worse than expected with a much lower N/G than observed in the 34/10-53 S track. No oil shows were reported in the well.

One core was cut from 4560 to 4591 m in the Tarbert Formation. The MDT tool was run on drill pipe (TLC). A gas sample was taken at 4546 - 4556 m and a water sample at 4756.5 m.

The well was permanently abandoned on 1 June 2011 as a gas/condensate discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
3900.00	4592.00



Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4560.0	4590.1	[m]

Total kjerneprøve lengde [m]	30.1
Kjerner tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		4630.50	0.00	OIL		YES
DST		0.00	4546.00	OIL		YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
169	NORDLAND GP
949	UTSIRA FM
980	HORDALAND GP
1879	ROGALAND GP
1879	BALDER FM
1940	LISTA FM
2116	SHETLAND GP
3981	CROMER KNOLL GP
4129	VIKING GP
4129	DRAUPNE FM
4184	HEATHER FM
4544	BRENT GP
4544	TARBERT FM
4619	NESS FM



4753	ETIVE FM
4760	RANNOCH FM
4822	DUNLIN GP
4822	DRAKE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - ARCVRES8 TELE VSONIC8 ADN	2154	4855
MDT	3640	4526
MDT	3654	3940
MDT	4566	4784
USIP MSIP	4470	4470

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	4591.0	12 1/4	4592.0	1.68	LOT
OPEN HOLE		5426.0	8 1/2	5426.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
889	1.48	42.0		Versatherm	
1978	1.39	32.0		Versatec	
3295	1.39	30.0		Versatec	
3868	1.47	37.0		Versatec	
4434	1.58	49.0		Versatec	
4560	1.48	43.0		Versatherm	
4592	1.58	42.0		Versatec	
4855	1.48	55.0		Versatherm	