



Generell informasjon

Brønnbane navn	15/6-13
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	15/6-13
Brønn navn	15/6-13
Seismisk lokalisering	ST0730Z09 xline 1941 & inline 1585
Utvinningstillatelse	029 B
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1568-L
Boreinnretning	SONGA TRYM
Boredager	33
Borestart	11.04.2015
Boreslutt	15.05.2015
Frigitt dato	15.05.2017
Publiseringsdato	15.05.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	HUGIN FM
2. nivå med hydrokarboner, alder	MIDDLE JURASSIC
2. nivå med hydrokarboner, formasjon	SLEIPNER FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	114.0
Totalt målt dybde (MD) [m RKB]	3577.0
Totalt vertikalt dybde (TVD) [m RKB]	3577.0
Maks inklinasjon [°]	4
Temperatur ved bunn av brønnbanen [°C]	118
Eldste penetrerte alder	LATE TRIASSIC



Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	58° 36' 55.48" N
ØV grader	1° 45' 40.58" E
NS UTM [m]	6498042.20
ØV UTM [m]	428039.23
UTM sone	31
NPDID for brønnbanen	7667

Brønnhistorie

General

Well 15/6-13 was drilled to test the Gina Krog East-3 prospect on the south end of the Gudrun Terrace in the North Sea. The primary objective was to prove commercial hydrocarbons in the Hugin Formation

Operations and results

Wildcat well 15/6-13 was spudded with the semi-submersible installation Songa Trym on 11 April 2015 and drilled to TD at 3577 m in the Late Triassic Skagerrak Formation. No significant problem was encountered in the operations. The well was drilled with Seawater down to 1033.5 m, with Glydril mud from 1033.5 m to 2247 m, and with EMS3300 oil based mud from 2247 m to TD.

Two separate oil columns, 13 and 3 metres were encountered in sandstone with moderate to good reservoir properties in the Hugin Formation and upper part of the Sleipner Formation. No oil/water contact was encountered. No oil shows were recorded other than in the hydrocarbon-bearing Hugin and Sleipner formations.

Two consecutive cores were cut from 3466 to 3495.3 m in the Hugin / Sleipner formations. The recovery was 100%. MDT fluid samples were taken at 3466.7 m (oil), 3471.8 m (oil), 3486.3 m (oil), 3486.3 m (mud), and 3494.0 m (water)

The well was permanently abandoned on 15 May 2015 as an oil discovery well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1040.00	3577.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3466.0	3482.0	[m]
2	3482.0	3495.3	[m]

Total kjerneprøve lengde [m]	29.3
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
MDT		0.00	0.00	OIL		YES
MDT		3471.80	0.00	OIL		YES
MDT		3466.70	0.00	OIL		YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
139	NORDLAND GP
139	UNDIFFERENTIATED
764	UTSIRA FM
995	HORDALAND GP
995	UNDIFFERENTIATED
1096	NO FORMAL NAME
1101	UNDIFFERENTIATED
1262	SKADE FM
1295	UNDIFFERENTIATED
1725	GRID FM
1988	UNDIFFERENTIATED
2187	ROGALAND GP
2187	BALDER FM
2277	LISTA FM
2317	HEIMDAL FM



2570	VÅLE FM
2582	TY FM
2686	SHETLAND GP
2686	EKOFISK FM
2739	TOR FM
3045	HOD FM
3330	HIDRA FM
3360	CROMER KNOLL GP
3360	RØDBY FM
3401	VIKING GP
3401	DRAUPNE FM
3429	HEATHER FM
3460	VESTLAND GP
3460	HUGIN FM
3481	SLEIPNER FM
3499	HEGRE GP
3499	SKAGERRAK FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PEX HNGS ECS	3253	3580
MDT	3471	3495
MDT CMR LFA PO HP	3465	3496
MSIP NGI	1003	3580
MWD - GR RES ECD	188	2247
MWD - GR RES ECD	3253	3577
MWD - GR RES ECD SON	2247	3253
ZO VSP	1007	3575

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	188.0	36	189.0	0.00	
SURF.COND.	20	1026.0	26	1033.5	1.39	FIT
INTERM.	13 5/8	2236.0	17 1/2	2247.0	1.66	LOT
LINER	9 5/8	3251.0	12 1/4	3253.0	1.78	FIT
OPEN HOLE		3577.0	8 1/2	3577.0	0.00	



Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
1033	1.35	13.0		Glydril	
1444	1.35	12.0		Glydril	
2145	1.39	22.0		EMS 4400	
2383	1.39	16.0		EMS 4400	
2990	1.33	20.0		EMS 4400	
3133	1.40	21.0		EMS 4400	
3234	1.60	22.0		EMS 4400	
3253	1.50	29.0		EMS 4400	
3256	1.62	37.0		EMS 4400	
3577	1.62	34.0		EMS 4400	