



Generell informasjon





Brønnbane navn	6407/12-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6407/12-2
Seismisk lokalisering	
Utvinningstillatelse	469
Boreoperatør	GDF SUEZ E&P Norge AS
Boretillatelse	1270-L
Boreinnretning	AKER BARENTS
Boredager	28
Borestart	23.11.2009
Boreslutt	20.12.2009
Frigitt dato	03.10.2011
Publiseringsdato	03.10.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	308.0
Totalt målt dybde (MD) [m RKB]	1481.5
Totalt vertikalt dybde (TVD) [m RKB]	1481.5
Maks inklinasjon [°]	1
Temperatur ved bunn av brønnbanen [°C]	48
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	LANGE FM
Geodetisk datum	ED50
NS grader	64° 9' 40.44" N
ØV grader	7° 48' 27.87" E
NS UTM [m]	7115699.99
ØV UTM [m]	442019.97
UTM sone	32
NPDID for brønnbanen	6191



Brønnhistorie

General

Well 6407/12-2 was drilled south of the Draugen Field, in the Froan Basin in the Norwegian Sea. The main objective was to examine the reservoir potential of the base Eocene to Late Paleocene. Two targets were identified, the primary being the Tare Formation consisting of sands or tuffs at approximately 1029 m. The secondary target of the lower Brygge Formation consisting of sand should occur at approximately 999 m.

Operations and results

Wildcat well 6407/12-2 was spudded with the semi-submersible installation Aker Barents on 23 November 2009 and drilled to TD at 1482 m in the Late Cretaceous Lange Formation. A pilot hole was drilled from TD in 36" section at 430.5 m to 765 m to check for possible shallow gas at 527 and 584 m. No shallow gas was detected. The well was drilled with seawater and hi-vis bentonite mud pills down to 765 m and with Glydril WBM from 765 m to TD.

The Tare Formation (base of Brygge Formation) was encountered at 1030 m. The two target reservoirs were both less in magnitude and quality than prognosed, and LWD/MWD logs proved them to be water bearing. No oil shows were observed in the well.

One core was cut from 1035 m to 1051.5 m in the Tare Formation with 84.5% recovery. The MDT tool was run and attempted to take 14 pressure points, of which only three points in the Brygge Formation were valid. No fluid sample was taken.

The well was permanently abandoned on 20 December 2009 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
770.00	1481.50

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1035.0	1049.0	[m]

Total kjerneprøve lengde [m]	14.0
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Kjerner tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1010.0	[m]	DC	GDF
1013.0	[unknown]	DC	GDF
1016.0	[unknown]	DC	GDF
1019.0	[unknown]	DC	GDF
1022.0	[unknown]	DC	GDF
1025.0	[unknown]	DC	GDF
1028.0	[unknown]	DC	GDF
1031.0	[unknown]	DC	GDF
1034.0	[unknown]	DC	GDF
1035.8	[unknown]	C	GDF
1036.8	[unknown]	C	GDF
1038.3	[unknown]	C	GDF
1040.2	[unknown]	C	GDF
1042.0	[unknown]	C	GDF
1044.3	[unknown]	C	GDF
1046.2	[unknown]	C	GDF
1048.2	[unknown]	C	GDF
1163.0	[unknown]	DC	GDF
1172.0	[unknown]	DC	GDF
1178.0	[unknown]	DC	GDF
1193.0	[unknown]	DC	GDF
1211.0	[unknown]	DC	GDF
1220.0	[unknown]	DC	GDF
1229.0	[unknown]	DC	GDF
1240.0	[unknown]	DC	GDF
1280.0	[unknown]	DC	GDF
1330.0	[unknown]	DC	GDF
1340.0	[unknown]	DC	GDF
1350.0	[unknown]	DC	GDF
1380.0	[unknown]	DC	GDF
1410.0	[unknown]	DC	GDF
1430.0	[unknown]	DC	GDF
1440.0	[unknown]	DC	GDF
1450.0	[unknown]	DC	GDF



1460.0	[unknown]	DC	GDF
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
348	NORDLAND GP
348	NAUST FM
422	KAI FM
580	HORDALAND GP
580	BRYGGE FM
1030	ROGALAND GP
1030	TARE FM
1239	TANG FM
1421	CROMER KNOLL GP
1421	LANGE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
6191_6407_12_2	pdf	0.25

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
6191_01_6407_12_2_gch_transfer_1	txt	0.00
6191_02_6407_12_2_gch_results_1	txt	0.03

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DSI HRLA PEX ECS HNGS	964	1482
LWD - ARC8	426	765
LWD - ARC8 SON VIS8 SADN8	426	765
LWD - ARC8 SON VIS8 SADN8	765	968
LWD - GEO VIS ARC VIS	0	0





MDT GR	1001	1051
VSP GR	484	1476

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	426.0	36	430.0	0.00	LOT
SURF.COND.	13 3/8	759.0	17 1/2	765.0	1.54	LOT
INTERM.	9 5/8	967.0	12 1/4	968.0	1.72	LOT
OPEN HOLE		1481.5	8 1/2	1481.5	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
0	1.02			Bentonite spud mud.	
700	1.40	25.0		K+/Glycol inhibitive WBM	
968	1.25	18.0		K+/Glycol inhibitive WBM	
1051	1.40	19.0		K+/Glycol inhibitive WBM	
1275	1.41	25.0		K+/Glycol inhibitive WBM	
1481	1.40	23.0		K+/Glycol inhibitive WBM	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
1004.00	[m]
1109.00	[m]
1118.00	[m]
1034.00	[m]
1030.00	[m]
1007.00	[m]
995.00	[m]
1001.00	[m]
998.00	[m]



1124.00	[m]
1035.03	[m]
1036.03	[m]
1041.50	[m]
1118.00	[m]