



Generell informasjon

Brønnbane navn	6305/9-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6305/9-2
Seismisk lokalisering	2D Seismic line 20a-SP1342.inline 1159 & crossline 3357
Utvinningstillatelse	468
Boreoperatør	Det norske oljeselskap ASA
Boretillatelse	1332-L
Boreinnretning	AKER BARENTS
Boredager	78
Borestart	26.12.2010
Boreslutt	13.03.2011
Frigitt dato	14.11.2012
Publiseringsdato	14.11.2012
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	274.0
Totalt målt dybde (MD) [m RKB]	3075.0
Totalt vertikalt dybde (TVD) [m RKB]	3075.0
Maks inklinasjon [°]	1.3
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	SPRINGAR FM
Geodetisk datum	ED50
NS grader	63° 26' 51.86" N
ØV grader	5° 54' 53.37" E
NS UTM [m]	7038957.15
ØV UTM [m]	645347.27
UTM sone	31
NPDID for brønnbanen	6502

**Brønnhistorie****General**

The exploration well 6305/9-2 is located in the northern part of block 6305/9, 25 km east of the Ormen Lange field. The main objective was to test the presence of hydrocarbons in the Dovregubben prospect, in the Palaeocene Tang Formation channel sandstones. Secondary prospects were identified in the Paleocene Egga Formation and in the Late Cretaceous Springar Formation.

Operations and results

Wildcat well 6305/9-2 was spudded with the semi-submersible installation Aker Barents on 26 December 2010 and drilled to TD at 3075 m in the Late Cretaceous Springar Formation. After the 36" section a 9 7/8" pilot hole was drilled from 381 m to 496 m using seawater and hi-vis pills to check for shallow gas. Shallow gas was detected in a sandy interval from 484 m to 486 m. The pilot was cemented and opened up/drilled with 26" BHA down to 477 m where 20" casing was set, shallower than planned due to the shallow gas. While drilling the succeeding 17 1/2" section gas peaks (drilled gas) were recorded at 485 m (2.8%), 577 m (2.7%) and 636 m (2.4%) in sandy intervals. The well took significantly longer time than planned. The main causes for this was hole problems (134.5 hrs) and WOW (472.5 hrs, of which 386.5 hrs occurred after pulling riser and BOP, before final anchor handling and abandonment). The well was drilled with seawater and bentonite down to 477 m, with seawater and polymer mud from 477 m to 671 m, and with Glydril mud (3.5 - 5.1% glycol) from 671 m to TD.

The geology and the depth prognosis of the well came in very much as prognosed. The Tang Formation sandstones were thinner than expected, and with poorer reservoir quality. The secondary targets contained Egga Formation reservoir and thin Springar Formation sand units with reservoir properties as expected. Wire line logs proved generally poor reservoir quality, though porosities as high as 25% were seen in thin intervals in the Springar Formation. The Intra Tang Formation channel sandstone had a gross thickness of 15 m with 3.4 m net reservoir.

No hydrocarbon indications were observed in the well except in one cuttings sample at 3006 m where a weak spotty direct fluorescence was observed. This show was described as spotty yellow white direct fluorescence, no visible cut, trace dull yellow white fluorescence ring residue, no visible residue.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 13 March as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
486.00	3073.00



Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
314	NORDLAND GP
314	NAUST FM
1402	KAI FM
1654	HORDALAND GP
1654	BRYGGE FM
2420	ROGALAND GP
2420	TARE FM
2554	TANG FM
2989	EGGA FM (INFORMAL)
3016	SHETLAND GP
3016	SPRINGAR FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
6502 01 6305 9 2 gch transfer 1	txt	0.00
6502 02 6305 9 2 gch results 1	txt	0.02
6502_GCH_1	pdf	0.28

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - PP ARCVIS	496	1255
MWD - TELE ARCVIS	435	477
MWD - TELE ARCVIS SONVIS	386	496
MWD - TELE ARCVIS SONVIS ADNVIS	1255	2751
MWD - TELE PP	314	386
MWD - TELE SONVIS GVR ECO	2751	3075
PEX HRLA	2880	3060
PEX HRLA MSIP	1720	3075
VSP	1200	3060





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	380.0	36	381.0	0.00	LOT
SURF.COND.	20	476.0	26	477.0	1.18	LOT
LINER	16	668.0	17 1/2	671.0	1.30	LOT
INTERM.	13 3/8	1249.0	17 1/2	1255.0	1.60	LOT
INTERM.	9 5/8	2749.0	12 1/4	2751.0	1.89	LOT
OPEN HOLE		3075.0	8 1/2	3075.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
314	1.04	6.0		Spud Mud	
425	1.27	14.0		Glydrill	
476	1.04	6.0		Spud Mud	
572	1.19	15.0		Glydrill	
667	1.09	18.0		CMC mud	
670	1.09	19.0		CMC mud	
1215	1.24	18.0		Glydrill	
1667	1.39	22.0		Glydrill	
2751	1.44	22.0		Glydrill	
2873	1.39	22.0		Glydrill	
3075	1.39	23.0		Glydrill	