



Generell informasjon

Brønnbane navn	6405/12-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6405/12-1
Seismisk lokalisering	LN 12001: inline 1316 & crossline 2767
Utvinningstillatelse	584
Boreoperatør	Lundin Norway AS
Boretillatelse	1539-L
Boreinnretning	BREDFORD DOLPHIN
Boredager	79
Borestart	30.10.2014
Boreslutt	16.01.2015
Frigitt dato	12.04.2016
Publiseringsdato	12.04.2016
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	420.0
Totalt målt dybde (MD) [m RKB]	3330.0
Totalt vertikalt dybde (TVD) [m RKB]	3330.0
Maks inklinasjon [°]	1.1
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	NISE FM
Geodetisk datum	ED50
NS grader	64° 11' 42.16" N
ØV grader	5° 52' 12.7" E
NS UTM [m]	7122068.79
ØV UTM [m]	639378.92
UTM sone	31
NPDID for brønnbanen	7551



Brønnhistorie

General

Well 6405/12-1 was drilled to test the Lindarormen prospect approximately 80 km northeast of the Ormen Lange field in the Norwegian Sea. The primary and secondary exploration targets were to prove petroleum in Paleocene and late Cretaceous reservoir rocks (Tang Formation and Shetland group, respectively).

Operations and results

Wildcat well 6405/12-1 was spudded with the semi-submersible installation Bredford Dolphin on 30 October 2014 and drilled to TD at 3330 m in the Late Cretaceous Nise Formation. A 9 7/8" pilot hole was drilled from seabed to 906 m. Two possible shallow gas zones were identified due to GR/Res anomaly at 809 - 812 m and 893 - 895 m. The well kicked at 3230 m when a gain of 200 litres was observed. The kick was killed with 1.75 sg mud. 27.8% of the rig time was spent waiting on weather (WOW). The well was drilled with seawater and hi-vis sweeps down to 903 m and with Aquadril mud from 903 m to TD.

The well was dry. No reservoir quality was found in the Paleocene succession. The main target; the Lower Tang Formation, was represented by a unit of claystones with minor limestone stringers and lack of reservoir is considered the main cause of failure for the prospect. In addition, the Egga Sandstone was not developed; the well encountered an 18 m thick unit of claystones and limestone stringers at 3210 - 3228 m. No Springar Formation was found; the well drilled straight into Nise Formation at 3228 m RKB.

No cores were cut. No wireline operations were conducted and no fluid samples were taken.

The well was permanently abandoned on 16 January 2015 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
910.00	3330.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
445	NORDLAND GP
445	NAUST FM



1496	KAI FM
2322	HORDALAND GP
2322	BRYGGE FM
3047	ROGALAND GP
3047	TARE FM
3156	TANG FM
3228	SHETLAND GP
3228	NISE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD LWD - GR DIR CAL DEN NEU SON	2192	2953
MWD LWD - GR PWD RES DIR DEN NEU	3212	3327
MWD LWD - GR RES DIR DEN CAL NEU	2960	3227
MWD LWD - GR RES DIR SON	895	2216
MWD LWD - GR RES SON PWD DIR	448	903

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	509.5	36	510.5	0.00	
SURF.COND.	20	895.7	26	903.0	1.29	LOT
PILOT HOLE		906.0	9 7/8	906.0	0.00	
INTERM.	13 3/8	2207.7	17 1/2	2216.0	1.65	LOT
PROD.	9 5/8	2960.0	12 1/4	2970.0	1.81	LOT
LINER	7	3228.0	8 1/2	3230.0	1.97	LOT
OPEN HOLE		3330.0	6	3330.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
810	1.03	108.0		Water Based	
903	1.15	16.0		Water Based	



1439	1.17	22.0		Water Based	
2000	1.23	20.0		Water Based	
2216	1.24	17.0		Water Based	
2236	1.30	15.0		Water Based	
2656	1.51	28.0		Water Based	
2740	1.24	11.0		Water Based	
2795	1.84	27.0		Water Based	
2970	1.59	25.0		Water Based	
3230	1.75	34.0		Water Based	
3330	1.84	27.0		Water Based	