



Generell informasjon

Brønnbane navn	6506/6-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6506/6-2
Seismisk lokalisering	Seismic cube MAE09M1 3D: inline 790-crossline 2555
Utvinningstillatelse	513
Boreoperatør	Maersk Oil Norway AS
Boretillatelse	1410-L
Boreinnretning	TRANSOCEAN BARENTS
Boredager	77
Borestart	11.12.2012
Boreslutt	25.02.2013
Plugget og forlatt dato	25.02.2013
Frigitt dato	25.02.2015
Publiseringsdato	20.05.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	408.0
Totalt målt dybde (MD) [m RKB]	3366.0
Totalt vertikalt dybde (TVD) [m RKB]	3365.5
Maks inklinasjon [°]	1.5
Temperatur ved bunn av brønnbanen [°C]	106
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	LANGE FM
Geodetisk datum	ED50
NS grader	65° 38' 17.77" N
ØV grader	6° 51' 56.5" E
NS UTM [m]	7281441.93



ØV UTM [m]	401771.05
UTM sone	32
NPDID for brønnbanen	6960

Brønnhistorie

General

Well 6506/6-2 was drilled ca ten km north-west of the 6506/6-1 Victoria discovery on the west flank of the Dønna Terrace in the Norwegian Sea. The primary objective was to test the hydrocarbon potential in Early Cretaceous Lysing Formation sandstones in the Albert Prospect.

Operations and results

The original spud location was abandoned after drilling 9 7/8" pilot hole due to technical problems. This pilot is named 6506/6-U-1. Wildcat well 6506/6-2 was re-spudded on 11 December 2012, 30 m SSE of intended location. Semi-submersible installation Transocean Barents drilled a new 9 7/8" pilot hole to 1283 m to check for shallow gas. No shallow gas was seen and drilling commenced to TD at 3366 m in the Early Cretaceous Lange Formation. A total of 37 % of the rig time was counted as NPT. A major contributor to this was problems related to cementing of the 13 3/8" casing shoe. The well was drilled with seawater and hi-vis pills down to 1295 m, with Performadril water based mud from 1295 m to 1627 m, and with XP-07 oil based mud from 1627 m to TD.

The well encountered only one of four prognosed sands in the Lysing formation. The reservoir rocks, thickness and reservoir quality of Lysing 1 was as expected. Gross thickness was 90 met with a net/gross of ca 0.42 with average porosity of 18%. However, the well was dry and all potential oil shows (fluorescence and cut) were believed to be due to the oil based mud.

No cores were cut. MDT water samples were taken in the Lysing Formation at 3076 m and 3079.5 m.

The well was permanently abandoned on 25 February 2013 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1310.00	3364.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
449	NORDLAND GP
449	NAUST FM
1428	KAI FM
1701	HORDALAND GP
1701	BRYGGE FM
1791	ROGALAND GP
1791	TARE FM
1883	TANG FM
1892	SHETLAND GP
1892	SPRINGAR FM
2070	NISE FM
2230	KVITNOS FM
3071	CROMER KNOLL GP
3071	LYSING FM
3161	LANGE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT	3076	3079
MWD - DIR	448	557
MWD - GR RES DIR	448	1297
MWD - GR RES DIR	557	1295
MWD - GR RES DIR	1288	1624
MWD - GR RES DIR ADN SON	1624	2999
MWD - GR RES DIR ADN SON	2999	3366
USIT CBL GR CCL	446	1614
VSP	0	3356
ZAIP MSIP PEX HNGS	2890	3366

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	554.0	36	556.0	0.00	
SURF.COND.	20	1288.5	26	1295.0	0.00	
INTERM.	13 3/8	1619.0	17 1/2	1627.0	1.75	LOT



INTERM.	9 7/8	2994.0	12 1/4	2999.0	1.89	LOT
LINER	7	3366.0	8 1/2	3366.0	1.97	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
990	1.48			WATER BASED MUD	
1250	1.39			WATER BASED MUD	
1345	1.39			WATER BASED MUD	
1572	1.61			Versatec OBM	
1627	1.48			OIL (REGULAR)	
2985	1.56			OIL (REGULAR)	
3366	1.56			OIL (REGULAR)	