



Generell informasjon

Brønnbane navn	1/3-13
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	1/3-13
Seismisk lokalisering	OMV20M02: Inline 23905. crossline 18896
Utvinningstillatelse	970
Boreoperatør	OMV (Norge) AS
Boretillatelse	1863-L
Boreinnretning	MAERSK INTEGRATOR
Boredager	22
Borestart	16.06.2021
Boreslutt	07.07.2021
Plugget og forlatt dato	07.07.2021
Frigitt dato	01.03.2023
Publiseringsdato	01.03.2023
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	FORTIES FM
2. nivå med hydrokarboner, alder	PALEOCENE
2. nivå med hydrokarboner, formasjon	ANDREW FM
Avstand, boredekk - midlere havflate [m]	53.0
Vanndybde ved midlere havflate [m]	71.0
Totalt målt dybde (MD) [m RKB]	3341.0
Totalt vertikalt dybde (TVD) [m RKB]	3338.0
Maks inklinasjon [°]	5.4
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	TOR FM
Geodetisk datum	ED50



NS grader	56° 50' 52.86" N
ØV grader	2° 44' 26.34" E
NS UTM [m]	6300638.87
ØV UTM [m]	484180.11
UTM sone	31
NPDID for brønnbanen	9334

Brønnhistorie

General

Well 1/3-13 was drilled to test the Ommadawn prospect on the border between the Hidra High and the Breiflabb Basin in the North Sea. The well was drilled near the 1/3-11 (Ipswich) oil discovery from 2008, which found oil in the Forties and Andrew formations. The primary objective of 1/3-13 was to test the hydrocarbon potential of the Tor Formation.

Operations and results

Wildcat well 1/3-13 was spudded with the jack-up installation Maersk Integrator on 16 June 2021 and drilled to TD at 3341 m the Late Cretaceous Tor Formation. Drilling started with a pilot hole down to 920 m to check for shallow gas. Boulders were encountered at 270 m and 10 hrs were lost due to stuck pipe at this point. No shallow gas was encountered. The main well was initiated on 18 June. Losses occurred at TD, possibly related to a fault. Due to this and a dry Tor Formation the well was TD'd. The well was drilled with seawater and hi-vis pills down to 796 m and with Rheguard oil-based mud from 796 m to TD.

The target Tor Formation was encountered water-wet at 3238 m. However, unexpectedly the well encountered hydrocarbon bearing sands in the overlying Forties and Andrew formations from 3025 to 3037 m and 3073 to 3093 m, respectively. No pressure points or fluid samples were acquired in these sands, so pressure communication with the Forties and Andrea sands in the 13/1-11 Ipswich discovery could not be confirmed. The fluid type was interpreted as oil based on LWD logs and gas readings.

In the cuttings no shows could be distinguished above the OBM background fluorescence.

Due to dry target, no cores were cut, and no fluid sample was taken.

The well was permanently abandoned on 7 July 2021.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
940.00	3341.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
168	NORDLAND GP
1747	HORDALAND GP
1747	UNDIFFERENTIATED
2418	VADE FM
2425	UNDIFFERENTIATED
2945	ROGALAND GP
2945	BALDER FM
2955	SELE FM
3024	FORTIES FM
3050	LISTA FM
3072	ANDREW FM
3094	LISTA FM
3129	VÅLE FM
3147	EKOFISK FM
3238	SHETLAND GP
3238	TOR FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - ARC TELE	124	920
LWD - ARC TELE SONSCOPE	920	1707
LWD - ARC TELE SONSCOPE SADN	1707	3125
LWD - GCR ECOSCOPE TELE	3125	3341
MSIP XPT GR	3125	3341
USIT CBL GR	125	920

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	20	913.3	26	920.0	1.65	FIT
INTERM.	13 3/8	1699.7	17 1/2	1707.0	1.95	FIT
INTERM.	9 7/8	3118.8	12 1/4	3125.0	1.96	LOT



OPEN HOLE		3341.0	8 1/2	3341.0	0.00	
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Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
210	1.25	15.0	10.5	Glydril mud	
1287	1.49	23.0	17.0	Rheguard Prime	
1707	1.54	27.0	20.0	Rheguard Prime	
1726	1.59	34.0	22.0	Rheguard Prime	
3125	1.73	37.0	21.0	Rheguard Prime	
3128	1.71	31.0	14.0	Rheguard Prime	
3341	1.71	34.0	15.0	Rheguard Prime	