



Generell informasjon

Brønnbane navn	2/5-15
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/5-15
Seismisk lokalisering	MC3DCGR2015M-PSDM-TWT: Inline 20462. Crossline 16888
Utvinningstillatelse	006 C
Boreoperatør	DNO Norge AS
Boretillatelse	1866-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	49
Borestart	07.08.2021
Boreslutt	24.09.2021
Plugget og forlatt dato	24.09.2021
Frigitt dato	31.12.2022
Publiseringsdato	31.12.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	VÅLE FM
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	67.0
Totalt målt dybde (MD) [m RKB]	3323.0
Totalt vertikalt dybde (TVD) [m RKB]	3323.0
Maks inklinasjon [°]	1.7
Temperatur ved bunn av brønnbanen [°C]	133
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	EKOFISK FM
Geodetisk datum	ED50



NS grader	56° 36' 42.41" N
ØV grader	3° 25' 55.71" E
NS UTM [m]	6274395.79
ØV UTM [m]	526525.64
UTM sone	31
NPDID for brønnbanen	9367

Brønnhistorie

General

Well 2/5-15 was drilled to test the Gomez prospect north of the Tor Field on the Steinbit Terrace in the North Sea. The main objective of the well was to investigate the presence of hydrocarbons in the Rogaland Group with the Ty /Heimdal Formations and / or Borr sandstone member in the Lista and V le formations as the primary reservoir target.

Operations and results

Wildcat well 2/5-15 was spudded with the semi-submersible installation Borgland Dolphin on 7 August 2021 and drilled to TD at 3323 m in the Paleocene age Ekofisk Formation. Thirty-five hours were spent fishing for stuck wire line equipment during logging operations, otherwise operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 596 m, with Versatec oil-based mud from 596 m to 3115 m, and with Exploradril oil-based mud from 3115 m to TD.

Well 2/5-15 encountered oil in the primary target in the V le formation, 23 metres of which was homogeneous

sandstone of poor reservoir quality. The oil/water contact was not encountered. Initial analysis indicated significant uncertainty regarding the oil mobility. Post-well studies concluded that the well encountered sands with low effective porosity and non-productible hydrocarbons. Shows on the core from the intra-V le Formation sandstones were described as "very faint odour, poor patchy light brown oil stain, even to patchy moderate yellow direct fluorescence, moderate to fast streaming bluish white cut fluorescence, moderate cream residual fluorescence". Otherwise there were no oil shows above the OBM in the well.

One 19,12 m core was cut from 3223 m in intra V le Formation, sandstone (Borr informal Member) and into marls of the V le Formation. MDT fluid samples were collected: 6 samples, mainly mixture of formation water and OBM fluid at 3230.0 and two samples, mainly mixture of formation water and OBM fluid at 3220 m.

The well was permanently abandoned on 24 September 2021 as a non-productible discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
610.00	3323.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3223.0	3242.1	[m]

Total kjerneprøve lengde [m]	19.1
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
98	NORDLAND GP
1731	HORDALAND GP
1731	NO FORMAL NAME
2815	NO FORMAL NAME
3058	ROGALAND GP
3058	BALDER FM
3079	SELE FM
3122	LISTA FM
3201	VÅLE FM
3217	NO FORMAL NAME
3239	VÅLE FM
3247	SHETLAND GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PPC MSIP PPC NGIT	3107	3324
LWD - ECD RES GR DIR	163	596
LWD - ECD RES GR DIR SON	163	606
LWD - GR INC PWD RES DIR SON CAL	1613	3323



LWD - PWD RES GR DIR SON	596	1613
MDT	3220	3230
MDT	3222	3231
SWC GR MSCT	3120	3251
SWC GR XLR	3210	3284
VSP GR	2243	3310
XPT XLD NEXT PEX HNGS CMR	3107	3315

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	163.0	36	163.0	0.00	
INTERM.	20	590.0	26	590.0	1.54	FIT
INTERM.	13 3/8	1606.0	17 1/2	1615.9	1.80	FIT
INTERM.	9 5/8	3107.5	12 1/4	3107.5	1.95	FIT
OPEN HOLE		3323.0	8 1/2	3323.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
164	1.04	1.0	1.0	Spud mud	
606	1.04	1.0	1.0	Spud mud - Hi Vis	
1111	1.64	40.0	19.0	Versatec	
1113	1.35	32.0	9.0	Versatec	
1526	1.36	27.0	11.0	Versatec	
1604	1.64	40.0	19.0	Versatec	
1613	1.35	31.0	8.5	Versatec	
1848	1.66	21.0	16.0	Exploradrill	
1960	1.64	42.0	21.0	Versatec	
3115	1.64	42.0	18.0	Versatec	
3192	1.66	21.0	11.0	Exploradrill	
3322	1.66	21.0	16.0	Exploradrill	