



Generell informasjon





Brønnbane navn	36/1-4 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	36/1-4
Seismisk lokalisering	X-Line 34698 CGG14003WPR17
Utvinningstillatelse	885
Boreoperatør	Wellesley Petroleum AS
Boretillatelse	1876-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	44
Borestart	18.12.2021
Boreslutt	30.01.2022
Plugget og forlatt dato	30.01.2022
Frigitt dato	25.01.2023
Publiseringsdato	25.01.2023
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	211.0
Totalt målt dybde (MD) [m RKB]	3255.0
Totalt vertikalt dybde (TVD) [m RKB]	3254.0
Maks inklinasjon [°]	6.3
Eldste penetrerte alder	PRE-DEVONIAN
Eldste penetrerte formasjon	BASEMENT
Geodetisk datum	ED50
NS grader	61° 54' 21.08" N
ØV grader	4° 2' 55.87" E
NS UTM [m]	6864302.15
ØV UTM [m]	555106.57
UTM sone	31
NPDID for brønnbanen	9430



Brønnhistorie

General

Well 36/1-4 was drilled to test the Hemispheres prospect on the M l y slope in the north-east North Sea. The primary objective was to prove economic volumes of hydrocarbons in the Late Jurassic Krossfjord Formation.

Operations and results

Wildcat well 36/1-4 was spudded with the semi-submersible installation Borgland Dolphin on 18 December 2021 and drilled to TD at 3255 m (3254 m TVD) in basement rock. Total NPT for the well was 193.75 hours (14.8 %) and WOW was 267.25 hours (20.4%). The main cause for NPT was lack of personnel due to health situation and problems with running 13 3/8" casing. The well was drilled with seawater and hi-vis pills down to 307 m with Glydril mud from 307 m to 1057 m, and with Verstec oil-based mud from 1057 m to TD.

The well encountered 33 m cemented sandstone within the Krossfjord Formation, with shows described as: "no stain, patchy, pale yellow direct fluorescence, slow blooming, yellow-white cut fluorescence, faint, yellow-white residual ring under UV light." Otherwise, there were no increased gas readings, no hydrocarbon signature on the logs and no significant hydrocarbon shows on the cuttings.

Due to dry well no cores were cut and no pressure measurements or wireline data or fluid samples were collected.

The well was permanently abandoned on 30 January 2022 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
320.00	3256.00

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

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
242	NORDLAND GP
242	UNDIFFERENTIATED
601	UTSIRA FM
610	UNDIFFERENTIATED
647	HORDALAND GP
946	ROGALAND GP



946	BALDER FM
990	SELE FM
1035	LISTA FM
1145	VÅLE FM
1311	SHETLAND GP
1311	JORSALFARE FM
1385	KYRRE FM
2360	TRYGGVASON FM
2565	BLODØKS FM
2583	SVARTE FM
2766	VIKING GP
2766	DRAUPNE FM
2786	HEATHER FM
3097	KROSSFJORD FM
3130	HEATHER FM
3150	BRENT GP
3150	ETIVE FM
3182	RANNOCH FM
3228	BASEMENT

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - APWD RES GR DI SON	1057	2998
LWD - GR APWD DEN SON RES NEU GR	2998	3255
LWD - TELE DI	242	307

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	307.0	36	307.0	0.00	
INTERM.	13 3/8	1041.0	17 1/2	1057.0	1.45	FIT
INTERM.	9 5/8	2990.0	12 1/4	2990.0	1.70	FIT
OPEN HOLE		3255.0	8 1/2	3255.0	0.00	

Boreslam



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 14.5.2024 - 04:57

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
262	1.04	1.0	1.0	Bentonite Spud mud	
313	1.39	14.0	28.0	Glydril WBM	
1082	1.24	22.0	13.0	Versatec OBM	
1433	1.24	26.0	18.0	Versatec OBM	
2790	1.27	26.0	12.0	Versatec OBM	
2998	1.34	24.0	14.0	Versatec OBM	