



Generell informasjon

Brønnbane navn	35/4-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/4-2
Seismisk lokalisering	Inline 6882. Xline 31943
Utvinningstillatelse	931
Boreoperatør	Wellesley Petroleum AS
Boretillatelse	1742-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	27
Borestart	21.01.2019
Boreslutt	16.02.2019
Plugget og forlatt dato	16.02.2019
Frigitt dato	05.01.2021
Publiseringsdato	30.04.2021
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	391.0
Totalt målt dybde (MD) [m RKB]	771.0
Totalt vertikalt dybde (TVD) [m RKB]	771.0
Eldste penetrerte alder	PLIOCENE
Eldste penetrerte formasjon	NAUST FM
Geodetisk datum	ED50
NS grader	61° 36' 2.54" N
ØV grader	3° 12' 19.21" E
NS UTM [m]	6829880.07
ØV UTM [m]	510895.97
UTM sone	31
NPDID for brønnbanen	8633



Brønnhistorie

General

Well 35/4-2 was drilled to test the Songesand in the Mardoll Sub-basin, about 6 km south of the Peon discovery in the North Sea. The primary objective was to explore the shallow biogenic gas potential in intra Pliocene sand in the Naust Formation.

Operations and results

A 9 7/8" pilot hole 35/4-U-1 was drilled to 694 m, the 35/4-2 surface casing setting depth, to identify possible shallow gas, calibrate depth prognosis and reduce top reservoir depth uncertainty. No shallow gas or water flow was observed.

Wildcat well 35/4-2 was spudded with the semi-submersible installation Transocean Arctic on 21 January 2019 and drilled to TD at 771 m in the Pliocene Naust Formation. Ca 8.5 days wait-on-weather. Otherwise operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 480 m and with KCl/GEM/polymer mud from 480 m to TD.

The well penetrated a Pleistocene sand from 532 to 552 m with slightly elevated mud gas. No intra-Pliocene sand was encountered. The well is dry.

No cores were cut. No fluid sample was taken.

The well was plugged and abandoned on 8 February 2019, but left location 8 days later due to weather conditions. It is classified as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
485.00	770.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

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

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL USIT	414	687
CBL USIT	568	687
LWD - PWD GR	414	481
LWD - PWD GR RES DIR SON	481	690
LWD - RAB GR DEN RES NEU PWD DIR	690	771

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	481.4	36	481.4	0.00	
INTERM.	9 5/8	687.5	12 1/4	690.0	1.36	FIT
OPEN HOLE		771.0	8 1/2	771.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
464	1.49	18.0		Kill Mud	
481	1.39	24.0		KCI/GEM/POLY Mud	
481	1.49	18.0		Kill Mud	
500	1.39	25.0		KCI/GEM/POLY Mud	
521	1.24	26.0		KCI/GEM/POLY Mud	
575	1.39	24.0		KCI/GEM/POLY Mud	
686	1.39	27.0		KCI/GEM/POLY Mud	
690	1.24	32.0		KCI/GEM/POLY Mud	
690	1.39	27.0		KCI/GEM/POLY Mud	
693	1.24	33.0		KCI/GEM/POLY Mud	
770	1.24	28.0		KCI/GEM/POLY Mud	