



Generell informasjon

Brønnbane navn	35/12-6 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	35/12-6 S (Kallåsen)
Brønn navn	35/12-6
Seismisk lokalisering	Inline 8469/8470. Xline 28650
Utvinningstillatelse	925
Boreoperatør	Wellesley Petroleum AS
Boretillatelse	1695-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	32
Borestart	13.05.2018
Boreslutt	14.06.2018
Plugget dato	14.06.2018
Frigitt dato	14.06.2020
Publiseringsdato	14.06.2020
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	FENSFJORD FM
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	355.0
Totalt målt dybde (MD) [m RKB]	3370.0
Totalt vertikalt dybde (TVD) [m RKB]	3211.0
Maks inklinasjon [°]	30.6
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	OSEBERG FM
Geodetisk datum	ED50
NS grader	61° 13' 45.08" N
ØV grader	3° 45' 25.28" E



NS UTM [m]	6788712.72
ØV UTM [m]	540650.26
UTM sone	31
NPDID for brønnbanen	8431

Brønnhistorie

General

Well 35/12-6 S was drilled to test the Kallåsen prospect on the Uer Terrace south-east of the 35/9-7 Nova discovery in the North Sea. The primary objective was to prove commercial hydrocarbon volumes in Fensfjord Formation sands.

Operations and results

Wildcat well 35/12-6 S was spudded with the semi-submersible installation Transocean Arctic on 13 May 2018 and drilled to TD at 3370 m in the Middle Jurassic Oseberg Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 445 m, with KCl/polymer/GEM mud with 4-6% glycols from 445 m to 1054 m, and with Innovert oil-based mud from 1054 m to TD.

The well penetrated a 39.8 m TVD thick, heterolithic Fensfjord Formation from 2997 m (2840.1 m TVD) to 3036.8 m (2879.9 m TVD). The reservoir is oil-bearing in the upper part down-to ca 3011 m (2854 m TVD), whereas an isolated sandstone in the basal part of the formation is water bearing. The proven oil column in-well is 14.4 m of which 3.1 m is effective reservoir of moderate quality. Oil shows, possibly OBM contamination, were described only in the oil-bearing Fensfjord Formation reservoir section.

One core was cut from 3013 m to 3066.93 m with 99.9% recovery. MDT fluid samples were taken at 2998.28 m (oil) and 3007.6 m (OBM filtrate and oil), while fluid scanning at station 3010.2 gave oil+irreducible water and scanning at station 3032.1 gave formation water.

The well was permanently abandoned on 13 June 2018 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
450.00	3368.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 15:38

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3013.0	3066.9	[m]

Total kjerneprøve lengde [m]	53.9
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
379	NORDLAND GP
563	UTSIRA FM
579	HORDALAND GP
895	FRIGG FM
950	ROGALAND GP
950	BALDER FM
1011	SELE FM
1054	LISTA FM
1198	NO FORMAL NAME
1325	LISTA FM
1588	VÅLE FM
1649	SHETLAND GP
1649	JORSALFARE FM
2484	TRYGGVASON FM
2607	BLODØKS FM
2617	SVARTE FM
2719	CROMER KNOLL GP
2719	SOLA FM
2762	ÅSGARD FM
2903	VIKING GP
2903	DRAUPNE FM
2918	HEATHER FM
2997	FENSEFJORD FM
3037	HEATHER FM

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PEX NEXT HNGS CMR	2865	3103
LWD - DIR FPDW AC	2878	3370
LWD - DIR INC	379	444
LWD - DIR INC APWD GR RES AC	444	1049
LWD - GR DIR INC APWD RES AC	1047	2878
LWD - GR RES APWD DEN RES NEU	2878	3370
MDT GR	2988	3134
VSIP	489	3370
ZAIT ADT MSIP NGI	2849	3370

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	444.7	36	445.0	0.00	
INTERM.	13 3/8	1047.4	17 1/2	1054.0	1.45	FIT
INTERM.	9 5/8	2869.0	12 1/4	2878.0	1.55	FIT
OPEN HOLE		3370.0	8 1/2	3370.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
379	1.49	5.0		Kill/Displacement Mud	
445	1.39	30.0		KCL/Gem/Pol Water ased mud	
445	1.49	7.0		Kill/displacement mud	
505	1.39	24.0		KCL/Gem/Pol Water based mud	
906	1.35	25.0		KCL/Gem/Pol Water based mud	
906	1.39	33.0		KCL/Gem/Pol Water based mud	
1005	1.31	24.0		INNOVERT	
1054	1.30	15.0		INNOVERT	
1054	1.39	28.0		KCI/Gem/Pol WBM	
1088	1.31	16.0		INNOVERT	



2199	1.31	32.0		INNOVERT	
2698	1.31	26.0		INNOVERT	
2698	1.22	21.0		INNOVERT	
2878	1.31	26.0		INNOVERT	
2878	1.17	11.0		INNOVERT	
2887	1.19	12.0		INNOVERT	
2902	1.21	21.0		INNOVERT	
3000	1.19	12.0		INNOVERT	
3235	1.20	18.0		INNOVERT	
3370	1.20	21.0		INNOVERT	
3370	1.19	21.0		INNOVERT	