



Generell informasjon





Brønnbane navn	25/2-22 S
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	25/2-21 (Liatårnet)
Brønn navn	25/2-22
Seismisk lokalisering	CGG 18M01 inline 4711 / xline 16626
Utvinningsstillatelse	442
Boreoperatør	Aker BP ASA
Boretillatelse	1807-L
Boreinnretning	DEEPSEA NORDKAPP
Boredager	25
Borestart	23.03.2021
Boreslutt	24.08.2021
Plugget og forlatt dato	15.11.2021
Frigitt dato	24.08.2023
Publiseringsdato	12.09.2023
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	33.0
Vanndybde ved midlere havflate [m]	111.0
Totalt målt dybde (MD) [m RKB]	1805.0
Totalt vertikalt dybde (TVD) [m RKB]	1800.0
Maks inklinasjon [°]	6.2
Eldste penetrerte alder	EOCENE
Eldste penetrerte formasjon	HORDALAND GP
Geodetisk datum	ED50
NS grader	59° 52' 51.35" N
ØV grader	2° 28' 0.51" E
NS UTM [m]	6638425.90
ØV UTM [m]	470151.72
UTM sone	31
NPDID for brønnbanen	8990



Brønnhistorie

General

Well 25/2-22 S was drilled to appraise the 25/2-21 Liat rnet discovery in the Early Miocene Skade Formation. The primary objective was to collect fluid samples and clarify the oil-water contact. A secondary objective was to collect data for NOAKA development by extending the well to 1800 m (760 m below the Skade reservoir).

Operations and results

Appraisal well 25/2-22 S was spudded with the semi-submersible installation Deepsea Nordkapp on 23 March 2021 and drilled to TD at 1805 m (1800 m TVD) m in Eocene claystone in the Hordaland Group. The well was drilled in two phases, with top hole operations carried out in DP mode in March 2021. Following setting of the 20" casing, the well was suspended on 27 March to allow the rig to conduct exploration drilling operations in the Barents Sea. Upon return of the rig, the well was re-entered on 3 August 2021 and operations concluded on 23 August 2021. Operations proceeded without problems. The well was drilled with seawater down to 180 m, with KCl/Gel/polymer mud from 180 m to 827 m, and with Innover oil-based mud from 827 m to TD.

The Liat rnet sands were found to be 31 m vertically thick, as prognosed, but with hydrocarbons only in the uppermost 4 meters. The OWC was defined at 1042.0 m (1039.4 m TVD) based on core analysis, wireline logs and pressure gradient interpretation. This is shallower than the ODT in the 25/2-21 and 25/2-10 S wells. Visible oil staining, fluorescence and cut was described from 1039.7 to 1045 m, else no oil shows are described in the well.

The entire caprock and reservoir was wireline logged and six cores were cut in succession from 1006 m to 1078.2 m with recoveries between 96.7% to 100%. RDT fluid samples were taken at 1017.44 m (water), 1038.01 m (oil and mud), 1039.49 m (oil and mud), 1040 m (oil and mud), and 1054.03 m (water). The oil samples were all heavily contaminated with oil-based mud.

The well was permanently abandoned on 23 August 2021 as a well with strong shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
829.00	1805.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1006.0	1032.3	[m]
2	1033.0	1042.0	[m]
3	1042.0	1050.9	[m]
4	1051.0	1060.2	[m]
5	1060.2	1069.1	[m]
6	1069.2	1077.9	[m]

Total kjerneprøve lengde [m]	71.0
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
144	NORDLAND GP
144	UNDIFFERENTIATED
285	UTSIRA FM
608	HORDALAND GP
608	SKADE FM
1069	UNDIFFERENTIATED
1530	NO FORMAL NAME

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CRSWC	1043	1505
CRSWC	1075	1760
GR SI8 CAL OBM MI AC EAS FP	1030	1770
GR SON IM8 CAL OBM AC	821	1194
LWD - GR CAL PWD DIR RES DEN NEU	1078	1203
LWD - GR CAL PWD DIR RES DEN NEU	1203	1805
LWD - GR RES DIR	210	827
LWD - NBGR NBRES DIR PWD	830	1006
MF OBM IFS	1030	1113
MF OBM IFS	1039	1775



RDT GP FF OP	1039	1040
RDT GP FF OP DP	1037	1044
RDT GP FP FF OP DP	1004	1160
RSWC	1038	1040
RSWC	1038	1041
SGR ECS NEU DEN RES NMR	821	1194

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	205.7	36	210.2	0.00	
INTERM.	20	821.6	26	830.0	1.40	FIT
OPEN HOLE		1805.0	8 1/2	1805.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
142	1.03			Water	
710	1.03		1.0	Water	
827	1.30		23.0	Water	
830	1.10		6.2	Synthetic	
1805	1.14		9.5	Synthetic	