



Generell informasjon

Brønnbane navn	6607/12-4 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Funn	6607/12-4 (Alve Nordøst)
Brønn navn	6607/12-4
Seismisk lokalisering	ABP17M01. XL-4687 ABP17M01 IL-10461
Utvinningstillatelse	127 C
Boreoperatør	Aker BP ASA
Boretillatelse	1826-L
Boreinnretning	DEEPSEA NORDKAPP
Boredager	17
Borestart	14.10.2020
Boreslutt	30.10.2020
Plugget og forlatt dato	30.10.2020
Frigitt dato	30.10.2022
Publiseringsdato	30.10.2022
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	LANGE FM
Avstand, boredekk - midlere havflate [m]	32.7
Vanndybde ved midlere havflate [m]	362.0
Totalt målt dybde (MD) [m RKB]	3350.0
Totalt vertikalt dybde (TVD) [m RKB]	3142.0
Maks inklinasjon [°]	44.2
Temperatur ved bunn av brønnbanen [°C]	113
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	LANGE FM
Geodetisk datum	ED50



NS grader	66° 3' 39.79" N
ØV grader	7° 59' 5.89" E
NS UTM [m]	7327273.01
ØV UTM [m]	454040.67
UTM sone	32
NPDID for brønnbanen	9078

Brønnhistorie

General

Well 6607/12-4 A is a geological side-track to well 6607/12-4, which tested the Alve North-East prospect on the Revfallet Fault Complex in the Norwegian Sea. Well 6607/12-4 found gas in the Middle Jurassic Fangst Group and oil in Turonian age sandstones in the Lange Formation. The objective of the 6607/12-4 A side-track was to prove additional volumes in the Lange Formation and investigate the possible connection to 6607/12-2 S Alve N.

Operations and results

Appraisal well 6607/12-4 A was kicked off from 2289 m in 6607/12-4 on 14 October 2020. It was drilled with the semi-submersible installation Deepsea Nordkapp to TD at 3350 m (3142 m TVD) m in the Late Cretaceous section (Turonian age) of the Lange Formation. Operations proceeded without significant problems. The well was drilled with BaraECD oil-based mud from kick-off to TD.

In 6607/12-4 A the Lange sands were penetrated from 3179 to 3280.3 m (3015.4 to 3090.2 m TVD). The same oil-bearing Lange sands as in 6607/12-4 were encountered, with 'oil-down-to' recorded in all four zones in both wells. Pressure points indicate communication with one of the Lange sands in well 6607/12-2 S Alve N. The only shows observed above OBM in well 6607/12-4 A was on the core in the oil-bearing Lange sands.

One core was cut from 3227.2 m to 3263.2 m across the Lange sands. Wire line RDT fluid samples were taken at 3240.3 m (oil) and 3245.4 m (oil) in the Lange sands.

The well was permanently abandoned on 13 October 2020 as an oil appraisal well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
2310.00	3350.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3227.2	3262.9	[m]

Total kjerneprøve lengde [m]	35.7
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
2289	SHETLAND GP
2289	NISE FM
2495	KVITNOS FM
2954	CROMER KNOLL GP
2954	LYSING FM
2974	LANGE FM
3179	UNDIFFERENTIATED
3236	UNDIFFERENTIATED
3254	UNDIFFERENTIATED
3277	UNDIFFERENTIATED

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - RSS NBR GR RES PWD	2302	3350
RWCH FPS EFS EPS FLID MCS	3279	3020
XMR CSNG DSNT SDLT IDT MCI	2289	3350

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
OPEN HOLE		3350.0	12 1/4	3350.0	0.00	

Boreslam



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 19:01

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
2302	1.52		6.7	Oil	
3350	1.54		6.7	Oil	
3350	1.03		1.0	Water	
4160	1.52		9.5	Oil	