



Generell informasjon

Brønnbane navn	30/12-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	30/12-2
Seismisk lokalisering	ABP19304-04020. SP1174
Utvinningstillatelse	986
Boreoperatør	Aker BP ASA
Boretillatelse	1779-L
Boreinnretning	DEEPSEA STAVANGER
Boredager	14
Borestart	14.08.2019
Boreslutt	27.08.2019
Plugget og forlatt dato	27.08.2019
Frigitt dato	21.05.2021
Publiseringsdato	21.05.2021
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	105.1
Totalt målt dybde (MD) [m RKB]	3203.0
Totalt vertikalt dybde (TVD) [m RKB]	3203.0
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	NESS FM
Geodetisk datum	ED50
NS grader	60° 1' 42.76" N
ØV grader	2° 46' 3.34" E
NS UTM [m]	6654768.53
ØV UTM [m]	487047.50
UTM sone	31
NPDID for brønnbanen	8850



Brønnhistorie

General

Well 30/12-2 (Nipa) is situated on the Bjørgvin Arch north of the Utsira High in the NOAKA area NE of the 25/2-18 S Langfjellet discovery. The primary objective of the well was to determine the presence of hydrocarbons in the primary target Middle Jurassic Tarbert sandstones. The secondary objective was to evaluate the underlying Middle Jurassic Ness Formation sandstones.

Operations and results

The well was entered with the Deepsea Stavanger semi-submersible drilling unit on 14 August 2019 and drilled vertically to TD at 3203 m (3202.6 m TVD) in the Middle Jurassic Ness Formation. The well was drilled down to 186 m with seawater and hi-vis pills, from 186 to 1402 m with seawater and hi-vis sweeps, from 1402 to 2953 m with water-based mud and from 2953 to TD with BaraHib Eco water-based mud. The drilling went as planned.

The well encountered both Tarbert and Ness Formation sandstones. Tarbert Formation was penetrated at 3040 m (3009.6 TVD MSL) and consists of sandstone with coal seams and claystone stringers. The Ness Formation was penetrated at 3137 m (3106.6 m TVD MSL) and consists of sandstone, siltstone, claystone, and coal seams. A total of 163 m TVD (gross) of reservoir quality sandstone across Tarbert and Ness Formation sandstones was encountered but determined from LWD logs to be water bearing with no residual HC. LWD formation pressure pre-tests indicated water gradient for the saturation fluid which corroborated the log interpretation. No coring, no wireline logging, and no fluid sampling was performed due to dry case.

The well was permanently plugged and abandoned on 27 August 2019 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1400.00	3203.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
135	NORDLAND GP
580	UTSIRA FM
1116	HORDALAND GP
1116	UNDIFFERENTIATED
2147	ROGALAND GP
2147	BALDER FM
2220	SELE FM
2311	LISTA FM
2497	VÅLE FM
2533	SHETLAND GP
2533	HARDRÅDE FM
2800	CROMER KNOLL GP
2918	VIKING GP
2918	DRAUPNE FM
3040	BRENT GP
3040	TARBERT FM
3137	NESS FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - DI	135	1402
LWD - DI ECD GR RES NEU DEN S PP	2953	3203
LWD - DI ECD RES NEU DEN SON	1402	2953

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	36	186.0	42	188.0	0.00	
INTERM.	13 3/8	1395.4	17 1/2	1402.0	1.72	LOT
LINER	9 5/8	2948.6	12 1/4	2953.0	1.97	LOT
OPEN HOLE		3203.0	8 1/2	3203.0	0.00	



Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
350	1.03			Water	
1200	1.05			Water	
1402	1.35			Water	
1402	1.30			Water	
2022	1.35			Water	
2615	1.35			Water	
2953	1.35			Water	
3075	1.25			Water	
3203	1.25			Water	