



Generell informasjon

Brønnbane navn	25/2-19 A
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	25/2-19
Seismisk lokalisering	MC3D-NVG11 Inline 26719-26773. Xline 13768-13792
Utvinningstillatelse	442
Boreoperatør	Aker BP ASA
Boretillatelse	1672-L
Boreinnretning	MAERSK INTERCEPTOR
Boredager	18
Borestart	11.09.2017
Boreslutt	08.10.2017
Plugget dato	28.09.2017
Plugget og forlatt dato	28.09.2017
Frigitt dato	08.10.2019
Publiseringsdato	28.09.2019
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	55.0
Vanndybde ved midlere havflate [m]	120.5
Totalt målt dybde (MD) [m RKB]	4210.0
Totalt vertikalt dybde (TVD) [m RKB]	4044.0
Maks inklinasjon [°]	32.3
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	SLEIPNER FM
Geodetisk datum	ED50
NS grader	59° 52' 28.37" N
ØV grader	2° 37' 45.61" E
NS UTM [m]	6637652.91
ØV UTM [m]	479246.04



UTM sone	31
NPDID for brønnbanen	8250

Brønnhistorie

General

Well 25/2-19 A is a side-track to wellbore 25/2-19 S. The well was drilled to test the Nordfjellet prospect north of the Frigg Delta structure on the Bjørgvin Arch in the North Sea. The primary objective was to test the hydrocarbon potential in the Middle Jurassic Hugin Formation. A secondary objective was to test the hydrocarbon potential in the lower Sleipner Formation, which contained a minor condensate discovery in well 25/2-18 C.

Operations and results

Wildcat well 25/2-19 A was kicked off from 1102 m in the primary wellbore on 11 September 2017. It was drilled with the jack-up installation Mærsk Interceptor to TD at 4210 m TD (4044.2 m TVD) in the Middle Jurassic Sleipner Formation. Operations proceeded without significant problems. The well was drilled with EMS 4600 oil-based mud from kick-off to TD.

A thin injected sandstone of early Oligocene age at 1580 to 1589 m (1547.8 to 1555.4) contained hydrocarbons based on petrophysical evaluation. A water-bearing Frigg Formation was penetrated from 2131.5 m to 2260.1 m (2015.8 m to 2133.1 m TVD) as expected. For the middle Jurassic, both the primary Hugin target and the secondary Sleipner target were dry. However, the Hugin Formation contained possible HC shows based on petrophysical log interpretation. Cuttings taken from the wells were all highly contaminated by drilling fluids and can therefore not be used as support for the petrophysical evaluation. Fluid sampling in the Hugin Formation was called off due to tight formation. However, fluid samples were collected in the lower Sleipner Formation, where the results indicated residual condensate.

No cores were cut. An MDT fluid sample was taken at 4158.89 m. The content was water and a hydrocarbon phase consisting of 90% OBM with 10% condensate.

The well was permanently abandoned on 8 October 2017 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1130.00	4210.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
176	NORDLAND GP
493	UTSIRA FM
911	HORDALAND GP
911	SKADE FM
1063	HORDALAND GP
1141	UNDEFINED GP
1241	HORDALAND GP
1313	UNDEFINED GP
1381	HORDALAND GP
1420	UNDEFINED GP
1466	HORDALAND GP
2132	FRIGG FM
2260	ROGALAND GP
2260	BALDER FM
2323	SELE FM
2380	HERMOD FM
2504	SELE FM
2520	LISTA FM
2639	VÅLE FM
2675	TY FM
2676	VÅLE FM
2730	SHETLAND GP
2730	EKOFISK FM
2791	HARDRÅDE FM
3056	KYRRE FM
3264	TRYGGVASON FM
3353	BLODØKS FM
3363	SVARTE FM
3432	CROMER KNOLL GP
3589	VIKING GP
3589	DRAUPNE FM
3656	HEATHER FM
3795	VESTLAND GP
3795	HUGIN FM
3919	SLEIPNER FM



Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PPC MSIP PEX HNGS XPT GR	2500	4214
MDT	3799	4159
MWD - GR NEU DEN RES PWD DT	175	2561
MWD - GR PWD	224	1102
MWD - GR RES DEN NEU SP	2555	4210

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	22	214.2	26	224.0	0.00	
INTERM.	13 3/8	1091.0	17 1/2	1102.0	1.52	FIT
PILOT HOLE		1102.0	9 7/8	1102.0	0.00	
INTERM.	9 5/8	2555.0	12 1/4	2561.0	1.53	FIT
OPEN HOLE		4210.0	8 1/2	4210.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
1420	1.34	30.0		EMS-4600 OBM	
2165	1.34	25.0		EMS-4600 OBM	
2380	1.34	28.0		EMS-4600 OBM	
2555	1.34	27.0		EMS-4600 OBM	
2700	1.24	26.0		EMS-4600 OBM	
3121	1.24	21.0		EMS-4600 OBM	
3760	1.24	19.0		EMS-4600 OBM	
4210	1.24	18.0		EMS-4600 OBM	