



Generell informasjon

Brønnbane navn	8/10-7 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	8/10-7
Seismisk lokalisering	CE1202R15. Inline 1064. Crossline 2365
Utvinningstillatelse	405
Boreoperatør	Spirit Energy Norway AS
Boretillatelse	1736-L
Boreinnretning	MAERSK INTERCEPTOR
Boredager	32
Borestart	04.12.2018
Boreslutt	04.01.2019
Plugget og forlatt dato	04.01.2019
Frigitt dato	05.03.2020
Publiseringsdato	05.03.2020
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	55.0
Vanndybde ved midlere havflate [m]	66.0
Totalt målt dybde (MD) [m RKB]	3155.0
Totalt vertikalt dybde (TVD) [m RKB]	2973.0
Eldste penetrerte alder	PERMIAN
Eldste penetrerte formasjon	ZECHSTEIN GP
Geodetisk datum	ED50
NS grader	57° 6' 54.72" N
ØV grader	3° 3' 31.45" E
NS UTM [m]	6330353.15
ØV UTM [m]	503557.24
UTM sone	31
NPDID for brønnbanen	8619



Brønnhistorie

Well 8/10-7 S was drilled to test the Cassidy prospect on the Sørvestlandet High, about five kilometres north of the Oda field in the North Sea. The objective was to prove petroleum in the Late Jurassic Ula formation and to assess the reservoir properties in any other Jurassic and Triassic intervals in the Cassidy prospect.

Operations and results

Wildcat well 8/10-7 S was spudded with the jack-up installation Mærsk Interceptor on 4 December 2018 and drilled to TD at 3155 m (2973 m TVD) m in the Permian Zechstein Group. A 9 7/8" pilot hole was drilled from seabed to 800 m to evaluate the possibility of shallow gas. No gas was observed during drilling. However, when pulling out of hole after section TD, bubbles were detected in the water column by the ROV sonar and then confirmed visually with the ROV around the well. The gas was interpreted to be a hydrostatically pressured dissolved gas, swabbed in by a packed BHA inside a small annulus. Drilling operations proceeded without significant problems. The well was drilled with seawater with hi-vis pills Glydril displacement mud down to 800 m and with EMS-4600 oil-based mud from 800 m to TD.

The well encountered the Ula formation at 2938 m, 16 m thick and without any hydrocarbon indications. The overlying Farsund Formation was silty with traces of fine sand, while the Triassic intervals consisted of tight claystone. The well is dry. Oil shows were inconclusive due to the use of oil-based mud

No cores were cut. No pressure points or fluid samples were taken due to difficult bore hole conditions.

The well was permanently abandoned on 4 January 2019 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
810.00	3155.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
121	NORDLAND GP
121	UNDIFFERENTIATED
1405	HORDALAND GP



1405	UNDIFFERENTIATED
2327	ROGALAND GP
2327	BALDER FM
2346	SELE FM
2357	LISTA FM
2486	VIDAR FM
2518	SHETLAND GP
2518	EKOFISK FM
2593	TOR FM
2682	HOD FM
2732	CROMER KNOLL GP
2732	RØDBY FM
2754	SOLA FM
2774	TUXEN FM
2782	ÅSGARD FM
2879	TYNE GP
2879	MANDAL FM
2905	FARSUND FM
2938	VESTLAND GP
2938	ULA FM
2954	HEGRE GP
2954	SMITH BANK FM
3146	ZECHSTEIN GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PEX PPC MSIP PPC	2885	3150
LWD - DI	121	198
LWD - GR PWD RES DI	198	800
LWD - GR PWD RES DI	2159	2393
LWD - GR PWD RES DI SON	121	800
LWD - GR PWD RES DI SON	800	2159
LWD - GR PWD RES DI SON DEN NEU	2393	2887
LWD - PWD RES GR DI DEN NEU	2887	3155

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	192.0	36	198.0	0.00	
SURF.COND.	20	793.7	26	800.0	2.03	FIT
PILOT HOLE		800.0	9 7/8	800.0	0.00	
INTERM.	13 3/8	2386.4	16	2393.0	1.93	LOT
INTERM.	9 5/8	2883.0	12 1/4	2887.0	1.98	LOT
OPEN HOLE		3155.0	8 1/2	3155.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
800	1.02			Sweeps	
2463	1.54	30.0		EMS-4600	
2878	1.57	34.0		EMS-4600	
3155	1.57	34.0		EMS-4600	