



Generell informasjon

Brønnbane navn	16/1-33 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	16/1-33
Seismisk lokalisering	inline 35634; crossline 129451
Utvinningstillatelse	780
Boreoperatør	Spirit Energy Norway AS
Boretillatelse	1822-L
Boreinnretning	LEIV EIRIKSSON
Boredager	27
Borestart	10.07.2020
Boreslutt	05.08.2020
Plugget og forlatt dato	05.08.2020
Frigitt dato	24.09.2021
Publiseringsdato	24.09.2021
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	116.0
Totalt målt dybde (MD) [m RKB]	3158.0
Totalt vertikalt dybde (TVD) [m RKB]	3067.0
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	58° 58' 42.92" N
ØV grader	2° 10' 30.77" E
NS UTM [m]	6538111.04
ØV UTM [m]	452583.12
UTM sone	31
NPDID for brønnbanen	9062



Brønnhistorie

General

Well 16/1-33 S was drilled to test the Sørvesten prospect on the Gudrun Terrace west of the Utsira High in the North Sea. The primary objective was to test the hydrocarbon potential in the Middle Jurassic Sleipner Formation and the Triassic Skagerrak Formation.

Operations and results

Wildcat well 16/1-33 S was spudded with the semi-submersible installation Leiv Eiriksson on 10 July 2020 by tagging seabed with the 9 7/8" pilot hole BHA. The shallow gas pilot hole was drilled to 555 m, 5 m deeper than the planned setting depth for the 20" surface casing. No shallow gas was encountered. Drilling proceeded to final TD at 3158 m (3066.8 m TVD) m in the Late Triassic Skagerrak Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 553 m and with Rheguard oil-based mud from 553 m to TD.

No hydrocarbons were encountered in any formation. Seven pressure points were taken with Stethoscope LWD tool on the way out of hole, proving a hydrostatic pressure slightly depleted compared to the regional pressure regime. Apart from some fluorescence in traces of sand in the Draupne and Heather formations there were no shows in the well.

No cores were cut, no wireline runs were made, and no fluid sample was taken.

The well was permanently abandoned on 6 August 2020 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
560.00	3158.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
141	NORDLAND GP
141	UNDIFFERENTIATED
746	UTSIRA FM
770	HORDALAND GP



770	UNDIFFERENTIATED
870	SKADE FM
1599	UNDIFFERENTIATED
1599	GRID FM
1695	UNDIFFERENTIATED
1724	UNDIFFERENTIATED
1757	UNDIFFERENTIATED
2084	ROGALAND GP
2084	BALDER FM
2157	SELE FM
2237	LISTA FM
2282	HEIMDAL FM
2350	LISTA FM
2354	VÅLE FM
2487	SHETLAND GP
2487	TOR FM
2549	HOD FM
2605	CROMER KNOLL GP
2605	RØDBY FM
2609	ÅSGARD FM
2625	VIKING GP
2625	DRAUPNE FM
2766	HEATHER FM
2850	VESTLAND GP
2850	SLEIPNER FM
3006	STATEJORD GP
3068	HEGRE GP
3068	SKAGERRAK FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - DI APWD	141	203
LWD - DI GR RES APWD	141	555
LWD - DI GR RES APWD	203	553
LWD - DI GR RES APWD SON	553	1379
LWD - DI GR RES NEU DEN APWD SON	1379	2788
LWD - GR APWD DEN CAL RES NEU DI	2788	3158



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	203.7	42	203.7	0.00	
SURF.COND.	20	547.0	26	553.0	1.62	FIT
INTERM.	13 3/8	1370.0	16	1379.0	1.63	FIT
INTERM.	9 5/8	2788.0	12 1/4	2788.0	1.70	LOT
OPEN HOLE		3158.0	8 1/2	3158.0	0.00	