



Generell informasjon

Brønnbane navn	15/6-16 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	15/6-16
Seismisk lokalisering	LINE ABP 18302-01009 SP1216
Utvinningstillatelse	777
Boreoperatør	Aker BP ASA
Boretillatelse	1763-L
Boreinnretning	DEEPSEA STAVANGER
Boredager	29
Borestart	14.05.2019
Boreslutt	28.06.2019
Plugget og forlatt dato	28.06.2019
Frigitt dato	23.10.2020
Publiseringsdato	30.04.2021
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	116.0
Totalt målt dybde (MD) [m RKB]	4203.0
Totalt vertikalt dybde (TVD) [m RKB]	4192.0
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	58° 40' 14.54" N
ØV grader	1° 43' 1.99" E
NS UTM [m]	6504246.56
ØV UTM [m]	425598.01
UTM sone	31
NPDID for brønnbanen	8747



Brønnhistorie

Well 15/6-16 S was drilled to test the Hornet prospect in the Ve sub-basin about 10 kilometres north of the Gina Krog field in the central part of the North Sea. The primary objective was to prove petroleum in reservoir rocks from the Middle Jurassic Hugin and Sleipner formations. The secondary objective was to prove petroleum in reservoir rocks from the Late Triassic Skagerrak Formation.

Operations and results

An 8 ½" pilot hole 15/6-U-4 was drilled down to 1130 m to acquire good quality LWD log data in the shallowest section

and to verify no shallow gas present at the drilling location. The pilot hole was drilled in parallel with the 36" hole of the main bore. No shallow gas was seen.

Wildcat well 15/6-16 S was spudded with the semi-submersible installation Deepsea Stavanger on 14 May 2019 and drilled to TD at 4203 m (4192 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 1128 m, with water-based mud from 1128 to 3705 m, and with oil-based mud from 3705 m to TD.

The Hugin Formation was absent in the well. The Sleipner Formation was penetrated at 4020 m, and the Skagerrak Formation at 4130 m. The Sleipner Formation consists of interlayered sandstones, siltstones and coals of which a total of 23 metres was sandstone of moderate to poor reservoir quality. The Skagerrak formation came in with a thickness of 73 metres, with sandstone layers totalling 17 metres with poor to moderate reservoir quality. There were no shows above OBM in the well.

No cores were cut. RDT fluid samples were taken at 4131.3 m (water and filtrate) and 4054.3 m (water and filtrate)

The well was permanently abandoned on 28 June 2019 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1130.00	4203.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
146	NORDLAND GP



146	UNDIFFERENTIATED
736	UTSIRA FM
928	HORDALAND GP
928	UNDIFFERENTIATED
1130	NO FORMAL NAME
1281	SKADE FM
1295	NO FORMAL NAME
1485	NO FORMAL NAME
1635	GRID FM
1979	NO FORMAL NAME
2136	ROGALAND GP
2136	BALDER FM
2193	SELE FM
2240	LISTA FM
2259	HEIMDAL FM
2619	VÅLE FM
2703	TY FM
2721	VÅLE FM
2729	SHETLAND GP
2729	EKOFISK FM
2772	TOR FM
3032	HOD FM
3562	BLODØKS FM
3601	SVARTE FM
3699	CROMER KNOLL GP
3699	RØDBY FM
3719	SOLA FM
3733	ÅSGARD FM
3783	VIKING GP
3783	DRAUPNE FM
3872	HEATHER FM
4020	VESTLAND GP
4020	SLEIPNER FM
4130	HEGRE GP
4130	SKAGERRAK FM

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CSNG GEMT DSNT SDLT XMR MCI	3694	4170
LWD - ABGR DI RES ECD NEU DEN SO	2787	3705
LWD - DI	150	209
LWD - DI ECD	209	1128
LWD - DI GR RES ECD SON	1128	2787
LWD - GR PFW ECD DEN NEU RES DI	3705	4203
RDT DTS	3734	4162

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	157.0	42	173.0	0.00	
SURF.COND.	20	1122.6	26	1128.0	1.72	FIT
PILOT HOLE		1130.0	8 1/2	1130.0	0.00	
INTERM.	13 3/8	2781.0	17 1/2	2787.0	1.87	LOT
LINER	9 7/8	3701.0	12 1/4	3705.0	2.16	LOT
OPEN HOLE		4203.0	8 1/2	4203.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
760	1.35			Water	
1148	1.30			Water	
1480	1.32			Water	
1880	1.36			Water	
2100	1.03			Water	
2389	1.37			Water	
2839	1.37			Water	
3513	1.50			Water	
3570	1.25			Water	
3570	1.28			Water	
3579	1.50			Water	
3705	1.50			Water	
3708	1.85			Oil	



Faktasider

Brønnbane / Leting

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3756	1.84			Oil	
3883	1.85			Oil	
4203	1.85			Oil	