



Generell informasjon

Brønnbane navn	6507/11-11
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6507/11-11
Seismisk lokalisering	MC3D-HVG2011-BIN :inline 3113 & xline 2989
Utvinningstillatelse	591
Boreoperatør	Tullow Oil Norge AS
Boretillatelse	1574-L
Boreinnretning	LEIV EIRIKSSON
Boredager	36
Borestart	27.05.2015
Boreslutt	01.07.2015
Frigitt dato	01.07.2017
Publiseringsdato	01.07.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	271.0
Totalt målt dybde (MD) [m RKB]	2900.0
Totalt vertikalt dybde (TVD) [m RKB]	2900.0
Maks inklinasjon [°]	2.3
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	NOT FM
Geodetisk datum	ED50
NS grader	65° 14' 15.9" N
ØV grader	7° 30' 39.4" E
NS UTM [m]	7235954.48
ØV UTM [m]	430407.36
UTM sone	32
NPDID for brønnbanen	7697



Brønnhistorie

General

Well 6507/11-11 was drilled to test the Zumba prospect in the Grinda Graben in the Norwegian Sea. The primary objective was to test the hydrocarbon potential in the Late Jurassic Rogn Formation. The secondary objective was to prove petroleum in the Middle Jurassic Garn formation.

Operations and results

Wildcat well 6507/11-11 was spudded with the semi-submersible installation Leiv Eiriksson on 27 May 2015 and drilled to TD at 2900 m in the Middle Jurassic Not Formation. Pilot holes were drilled in the top sections down to 501 m to check for shallow gas. No shallow gas was observed. No significant problem was encountered in the operations. The well was drilled with KCl/polymer mud down to 504 m and with EMS-4400 oil based mud from 504 m to TD.

The Spekk Formation was penetrated from 2604 to 2713 m. It consisted of carbonaceous claystone with limestone stringers. Geochemical analyses proved 7-10% TOC and pre-oil window maturity all through. The target Rogn Formation sandstone was not observed, only traces of sandstone was observed in cuttings below 2695 m. The Garn Formation came in at 2845 m and was water-wet. No hydrocarbon shows were observed in the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 1 July as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
295.50	2899.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
296	NORDLAND GP
737	NAUST FM
1405	KAI FM
1675	HORDALAND GP



1675	BRYGGE FM
1998	ROGALAND GP
1998	TARE FM
2040	TANG FM
2083	SHETLAND GP
2083	SPRINGAR FM
2151	NISE FM
2298	KVITNOS FM
2350	CROMER KNOLL GP
2350	LANGE FM
2580	LYR FM
2604	VIKING GP
2604	SPEKK FM
2713	MELKE FM
2845	FANGST GP
2845	GARN FM
2880	NOT FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DI	295	380
DI	380	501
GR RES PWD DI SON	295	380
GR RES PWD DI SON	380	501
GR RES PWD DI SON	501	2569
GR RES PWD DI SON DEN NEU STETH	2569	2900

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	374.1	36	380.0	0.00	
SURF.COND.	20	495.0	26	501.0	1.29	LOT
INTERM.	13 3/8	1542.0	17 1/2	1550.0	0.00	
LINER	9 5/8	2563.0	12 1/4	2569.0	1.50	FIT
OPEN HOLE		2900.0	8 1/2	2900.0	0.00	



Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
380	1.22	10.0		KCl/Polymer mud	
466	1.14	8.0		KCl polymer	
467	1.23	12.0		KCl/Polymer mud	
501	1.02	2.0		Seawater	
504	1.14	9.0		KCl polymer	
988	1.17	16.0		EMS 4400	
1550	1.26	20.0		EMS 4400	
1569	1.47	30.0		EMS 4400	
2003	1.47	30.0		EMS 4400	