Generell informasjon

Brønnbane navn	2/11-11
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/11-11
Seismisk lokalisering	MC3D -CGR 2012/2010.IL3170 & XL 1505
Utvinningstillatelse	616
Boreoperatør	Edison Norge AS
Boretillatelse	1572-L
Boreinnretning	TRANSOCEAN SEARCHER
Boredager	37
Borestart	21.06.2015
Boreslutt	27.07.2015
Frigitt dato	03.08.2016
Publiseringsdato	01.06.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	68.0
Totalt målt dybde (MD) [m RKB]	3410.0
Totalt vertikalt dybde (TVD) [m RKB]	3410.0
Maks inklinasjon [°]	2.1
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	HIDRA FM
Geodetisk datum	ED50
NS grader	56° 12' 11.75'' N
ØV grader	3° 23' 26.53'' E
NS UTM [m]	6228909.29
ØV UTM [m]	524240.35
UTM sone	31
NPDID for brønnbanen	7712

Brønnhistorie

General

Well 2/11-11 was drilled to test the Haribo prospect on the Lindesnes Ridge in the North Sea. The well is situated about seven kilometres southwest of the Valhall field and about five kilometres west of the Hod. The primary exploration target for the well was to prove petroleum in Upper Cretaceous chalk rocks (the Hod formation).

Operations and results

Wildcat well 2/11-11 was spudded with the semi-submersible installation Transocean Searcher on 21 June 2015 and drilled to TD at 3410 m in the Late Cretaceous Hidra Formation. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis pills down to 600 m and with Enviromul oil based mud from 600 m to TD.

The Ekofisk Formation was encountered at 2931 m and the Tor Formation at 2954 m. Both had porous intervals, but were dry. The Hod Formation was encountered at 2983 m. It contained about 330 metres of reservoir rocks in the target chalk interval (Magne and Thud units). The chalk was founded extremely tight with no visual porosity. No Hydrocarbon shows were recorded, neither gas shows nor fluorescence.

Dry hole logging programme was performed. Formation Pressure measurements were attempted with MDT and Saturn probe, but gave no valid pressure points. No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 27 July 2015 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
610.00	3410.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
90	NORDLAND GP
1537	HORDALAND GP
2854	ROGALAND GP
2854	BALDER FM

2864	SELE FM
2892	LISTA FM
2911	VÅLE FM
2931	SHETLAND GP
2931	EKOFISK FM
2954	TOR FM
3390	BLODØKS FM
3395	HIDRA FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT	2933	2982
MSCT GR	2932	3359
MWD - BMGR GR PWD RES DI SON	1752	2918
MWD - GR PWD DI	157	600
MWD - GR PWD DI RES SON	600	1752
MWD - GR RES PWD DI	157	600
MWD - NBGR NBRES GR PWD DEN RES	2918	3410
PPC MSIP PPC GR	80	3408
USIT CBL GR	2160	2910

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	156.0	36	156.0	0.00	
SURF.COND.	20	592.3	26	600.0	1.55	FIT
PILOT HOLE		600.0	9 7/8	600.0	0.00	
INTERM.	13 3/8	1746.0	17 1/2	1752.5	1.90	LOT
LINER	9 5/8	2912.0	12 1/4	2918.0	0.00	
OPEN HOLE		3410.0	8 1/2	3410.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
67	1.04	15.0		BENTNITE HI-VIS SWEEP	
160	1.49	15.0		BENTONITE KILL WBM	
600	1.49	30.0		Yellow ENVIROMUL	
1007	1.49	29.0		Yellow ENVIROMUL	
1500	1.49	31.0		Yellow ENVIROMUL	
1831	1.74	40.0		Yellow ENVIROMUL	
2617	1.74	34.0		Yellow ENVIROMUL	
2720	1.49	33.0		Yellow ENVIROMUL	
2918	1.74	33.0		Yellow ENVIROMUL	
3310	1.64	31.0		yellow ENVIROMUL	