

**General information**

Wellbore name	2/11-11
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/11-11
Seismic location	MC3D -CGR 2012/2010.IL3170 & XL 1505
Production licence	616
Drilling operator	Edison Norge AS
Drill permit	1572-L
Drilling facility	TRANSOCEAN SEARCHER
Drilling days	37
Entered date	21.06.2015
Completed date	27.07.2015
Release date	03.08.2016
Publication date	01.06.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	68.0
Total depth (MD) [m RKB]	3410.0
Final vertical depth (TVD) [m RKB]	3410.0
Maximum inclination [°]	2.1
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	HIDRA FM
Geodetic datum	ED50
NS degrees	56° 12' 11.75" N
EW degrees	3° 23' 26.53" E
NS UTM [m]	6228909.29
EW UTM [m]	524240.35
UTM zone	31
NPDID wellbore	7712



Wellbore history

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.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
610.00	3410.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
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

Logs

Log type	Log top depth [m]	Log bottom depth [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

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
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	

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
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	