



Generell informasjon

Brønnbane navn	2/11-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	HOD
Funn	2/11-10 S
Brønn navn	2/11-3
Seismisk lokalisering	ANO 75-12 .SP 160
Utvinningstillatelse	033
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	184-L
Boreinnretning	DYVI BETA
Boredager	55
Borestart	10.10.1977
Boreslutt	03.12.1977
Frigitt dato	03.12.1979
Publiseringsdato	22.03.2013
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	36.0
Vanndybde ved midlere havflate [m]	72.0
Totalt målt dybde (MD) [m RKB]	3052.0
Temperatur ved bunn av brønnbanen [°C]	89
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	RØDBY FM
Geodetisk datum	ED50
NS grader	56° 10' 53.74" N
ØV grader	3° 27' 51.78" E
NS UTM [m]	6226525.75
ØV UTM [m]	528827.92
UTM sone	31
NPDID for brønnbanen	286



Brønnhistorie

General

Well 2/11-3 is located 2.5 km due east from 2/11-2 and 6.5 km south-southeast from the Valhall well 2/11-1. The primary objective of well 2/11-3 was the Late Cretaceous chalk section on the western flank of the East Lobe of the Hod structure. The West Lobe was found to be oil bearing by 2/11-2 in 1974. Seismic indicated an expansion of the chalk section compared to 2/11-2 and that the graben feature found on Valhall extended south-eastward over the East Hod and therefore the possibility for the high reservoir quality Maestrichtian rock to be present in this area.

Operations and results

Well 2/11-3 was spudded with the jacket 4 legs installation Dyvi Beta on 10 October 1977 and drilled to TD at 3052 m in the Early Cretaceous Rødby Formation. The well was drilled in a total of 47 days without any major drilling problems. However, 3 days were spent waiting for the correct Cameron BOP Adaptor Spool.

Well 2/11-3 proved the Hod complex to consist of two individual structures. A domal West Hod structure has a seismically defined closure area of 7.5 square km. East Hod, where 2/11-3 was located, is a northwest-southeast trending anticline covering approximately 6 square km.

The well penetrated a normal sequence of Quarternary-Tertiary section from the surface to the top of the Late Cretaceous at 2774.5 m. This interval typically consists of predominantly clay and shale with thin stringers of limestone and dolomite scattered throughout. The basal Tertiary unit is marked by the occurrence of the Paleocene Ash marker that displays the characteristic metallic blue grey-violet colour of the volcanic tuff. This correlative unit was encountered at 2714.5 m and is 18 meters thick. The chalk section was found to be 247 meters thick compared to 112 meters in 2/11-2 and 258 meters in 2/11-1. There were no hydrocarbon-bearing formations in the well. The top three meters of the chalk section showed patchy, orange yellow fluorescence. Further below only traces of orange yellow, residual oil fluorescence were occasionally seen, normally associated with an increase in total gas readings. Otherwise no oil shows were recorded in the well.

Three conventional cores were cut at the top chalk section, from 2776.5 m to 2811.0 m. No wire line fluid samples were taken.

The well was permanently abandoned on 3 December 1977 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
150.00	3051.60

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2776.0	2792.0	[m]
2	2789.0	2789.5	[m]
3	2792.0	2811.0	[m]

Total kjerneprøve lengde [m]	35.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2776-2779m



2779-2782m



2785-2788m



2788-2791m



2789-2789m



2791-2792m



2792-2795m



2795-2798m



2798-2801m



2801-2804m



2804-2807m



2807-2810m



2810-2811m



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
108	NORDLAND GP
1515	HORDALAND GP
2714	ROGALAND GP
2714	BALDER FM
2727	SELE FM
2747	LISTA FM
2775	SHETLAND GP
2775	HOD FM
3022	CROMER KNOLL GP
3022	RØDBY FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
286 2 11 3 Completionlog	pdf	2.61
286 2 11 3 Final well report	pdf	46.03

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL CCL	185	1258
CBL VDL CCL TT	1573	2715
CBL VDL TT	185	1215
CONT-DIP	1286	2749
CONT-DIP	2737	3049
DLL MSFL SP GR CAL	2737	3048
FDC CNL GR CAL	2737	3048
ISF SON SP GR	169	409
ISF SON SP GR	406	1278
ISF SON SP GR CAL	1286	2749
ISF SON SP GR CAL	2737	3048
TEMP	1	2197
VELOCITY	145	3010





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	170.0	36	170.0	0.00	LOT
SURF.COND.	20	408.0	26	412.0	0.00	LOT
INTERM.	13 3/8	1286.0	17 1/2	1287.0	0.00	LOT
INTERM.	9 5/8	2740.0	12 1/4	2749.0	0.00	LOT
OPEN HOLE		3052.0	8 1/2	3052.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
325	1.07			waterbased	
1021	1.25			waterbased	
1287	1.30			waterbased	
1715	1.79			waterbased	
2525	1.79			waterbased	
3051	1.79			waterbased	