



Generell informasjon





Brønnbane navn	2/5-8
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	2/5-3 (Sørøst Tor)
Brønn navn	2/5-8
Seismisk lokalisering	ANO 79 - 56 SP 133
Utvinningstillatelse	006
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	585-L
Boreinnretning	DYVI STENA
Boredager	49
Borestart	18.09.1988
Boreslutt	05.11.1988
Frigitt dato	05.11.1990
Publiseringsdato	17.10.2007
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	66.5
Totalt målt dybde (MD) [m RKB]	3367.0
Totalt vertikalt dybde (TVD) [m RKB]	3364.0
Maks inklinasjon [°]	4.3
Temperatur ved bunn av brønnbanen [°C]	132
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	HOD FM
Geodetisk datum	ED50
NS grader	56° 35' 16.5" N
ØV grader	3° 26' 22.2" E
NS UTM [m]	6271742.34
ØV UTM [m]	526994.31
UTM sone	31
NPDID for brønnbanen	1308



Brønnhistorie

General

Well 2/5-8 is located on the South East Tor Field in block 2/5 in the Central Trough in the North Sea. The overall outline of the field had previously been defined by the wells 2/5-3 and 2/5-5. The purpose of the well was to test the distribution of high-porosity, re-deposited chalk and productive zones west of the major NS trending crestal fault in the field. It was also planned to test the productivity of the chalk in both the Ekofisk and the Tor Formations on the flanks, confirm reserve calculations for the structure and get good oriented core coverage in both formations.

Operations and results

Appraisal well 2/5-8 was spudded with the semi-submersible installation Dyvi Stena on 18 September 1988 and drilled to TD at 3367 m in the Late Cretaceous Hod Formation. Drilling proceeded without significant problems. The well was drilled with seawater and pre-hydrated gel sweeps down to 370 m and with water based gypsum/polymer non-dispersed mud from 370 m to TD.

Top Ekofisk came in at 3107 m and top Tor Formation at 3204 m. Two cores were cut in the interval 3115 - 3142.5 m in the Ekofisk Formation and another three cores in the interval 3207 - 3291 m in the Tor Formation. The chalk was of a relatively poor reservoir quality both in the Ekofisk and Tor Formation, and oil staining were only found along fracture planes in cores from the Tor Formation. The logs confirmed the negative result from the cores.

No fluid samples were taken in the well.

The well was permanently abandoned on 5 November 1988 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
390.00	3365.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3115.0	3130.0	[m]
2	3130.0	3142.0	[m]



3	3207.0	3234.9	[m]
4	3235.0	3263.0	[m]
5	3262.0	3291.3	[m]

Total kjerneprøve lengde [m]	112.2
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3115-3120m



3120-3125m



3125-3130m



3130-3135m



3135-3140m



3140-3142m



3207-3212m



3212-3217m



3217-3222m



3222-3227m



3227-3232m



3232-3234m



3235-3240m



3240-3245m



3245-3249m



3249-3254m



3254-3259m



3259-3263m



3263-3268m



3268-3273m



3273-3278m



3278-3283m



3283-3288m



3288-3291m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
92	NORDLAND GP
1898	HORDALAND GP
2953	ROGALAND GP
2953	BALDER FM
2973	SELE FM
3042	LISTA FM
3090	MAUREEN FM
3107	SHETLAND GP
3107	EKOFISK FM
3204	TOR FM
3323	HOD FM

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1308_01_WDSS_General_Information	pdf	0.30
1308_02_WDSS_completion_log	pdf	0.22

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1308_2_5_8_COMPLETION_REPORT_AND_LOG	pdf	31.95

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR CCL	1100	2983
CST GR	3010	3360
DIL BHC GR CAL	1578	3013
DIL SFL BHC GR	3004	3366
DLL MAFL GR	3004	3368
FMS GR	3003	3368
LDT CNL GR	3004	3368
MWD - GR RES DIR	146	3199
RFT GR	3111	3290
VELOCITY	1660	3365

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	139.0	36	166.0	0.00	LOT
SURF.COND.	20	359.0	26	373.0	1.50	LOT
SURF.COND.	20	360.0	26	373.0	1.50	LOT
INTERM.	13 3/8	1582.0	17 1/2	1598.0	1.93	LOT
INTERM.	9 5/8	3006.0	12 1/4	3017.0	1.92	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
146	1.06	12.0		WATER BASED	
370	1.03	12.0		WATER BASED	
987	1.25	17.0		WATER BASED	
1595	1.43	29.0		WATER BASED	
1860	1.62	20.0		WATER BASED	
2145	1.62	21.0		WATER BASED	
2300	1.62	21.0		WATER BASED	
2728	1.62	21.0		WATER BASED	
3017	1.63	20.0		WATER BASED	
3124	1.62	23.0		WATER BASED	
3253	1.62	32.0		WATER BASED	
3356	1.62	32.0		WATER BASED	



3367	0.00			WATER BASED	
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Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
1308 Formation pressure (Formasjonstrykk)	pdf	0.21

