



Generell informasjon

Brønnbane navn	33/12-7
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	33/12-7
Seismisk lokalisering	NOD-8-87-012& SKUDDPUNKT 170
Utvinningstillatelse	152
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	601-L
Boreinnretning	DEEPSEA BERGEN
Boredager	65
Borestart	22.02.1989
Boreslutt	27.04.1989
Frigitt dato	27.04.1991
Publiseringsdato	30.06.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	140.0
Totalt målt dybde (MD) [m RKB]	3703.0
Totalt vertikalt dybde (TVD) [m RKB]	3696.0
Maks inklinasjon [°]	12.3
Temperatur ved bunn av brønnbanen [°C]	126
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	61° 7' 35.72" N
ØV grader	1° 54' 32.5" E
NS UTM [m]	6777538.47
ØV UTM [m]	441227.76
UTM sone	31
NPDID for brønnbanen	1358



Brønnhistorie

General

Well 33/12-7 was designed to drill the Delta structure, a tilted fault block on the Tampen Spur, and was the only commitment well in licence 152. The primary objective was to test the hydrocarbon potential of the Brent group on the Delta structure. A secondary objective was to explore the Statfjord Formation on the same structure. The well was designed as a possible producer in case of a discovery. Shallow gas was predicted at 375 m MSL, 415 m MSL, and possibly in sand lenses on an erosion surface at 456 m MSL.

Operations and results

Wildcat well 33/12-7 was spudded with the semi-submersible installation Deepsea Bergen on 22 February 1989 and drilled to TD at 3703 m in Early Jurassic sediments of the Statfjord Formation. After drilling 26" section to 384 m fifteen days rig time were spent trouble shooting and repairing a leak in the BOP. Otherwise operations went without significant problems. The well was drilled with seawater and gel down to 383 m, with Newdrill/PAC/seawater from 383 m to 3034 m, and with gel/lignosulphonate from 3034 m to TD. No shallow gas was encountered in the well.

Sands were encountered in the Tarbert, Rannoch, Cook and Statfjord Formations. No shows of hydrocarbons were recorded while drilling, except for some residuals in the Cook Formation. Post-well organic geochemical analyses established that the Draupne Formation has potential for generation of oil and gas and that the Heather Formation has potential for condensate/light oil and gas. Draupne is immature and Heather marginally mature in the well location. Tarbert and Cook Formations were analysed for migrated hydrocarbons but no significant abundance were found.

One core was cut in the interval 3041 m to 3057.5 m. No fluid sampling was attempted.

The well was permanently abandoned on 27 April 1989 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
390.00	3703.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3035.0	3051.5	[m]

Total kjerneprøve lengde [m]	16.5
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1700.0	[m]	DC	STRAT
1800.0	[m]	DC	STRAT
1830.0	[m]	DC	STRAT
1860.0	[m]	DC	STRAT
1890.0	[m]	DC	STRAT
2010.0	[m]	DC	STRAT
2020.0	[m]	DC	STRAT
2030.0	[m]	DC	STRAT
2060.0	[m]	DC	STRAT
2100.0	[m]	DC	STRAT
2140.0	[m]	DC	STRAT
2180.0	[m]	DC	STRAT
2220.0	[m]	DC	STRAT
2260.0	[m]	DC	STRAT
2300.0	[m]	DC	STRAT
2340.0	[m]	DC	STRAT
2380.0	[m]	DC	STRAT
2420.0	[m]	DC	STRAT
2460.0	[m]	DC	STRAT
2500.0	[m]	DC	STRAT
2540.0	[m]	DC	STRAT
2580.0	[m]	DC	STRAT
2620.0	[m]	DC	STRAT
2660.0	[m]	DC	STRAT
2700.0	[m]	DC	STRAT
2740.0	[m]	DC	STRAT
2780.0	[m]	DC	STRAT
2820.0	[m]	DC	STRAT
2859.0	[m]	DC	STRAT



2901.0	[m]	DC	STRAT
2916.0	[m]	DC	STRAT
2922.0	[m]	DC	STRAT
2928.0	[m]	DC	STRAT
2931.0	[m]	DC	STRAT
2946.0	[m]	DC	STRAT
2961.0	[m]	DC	STRAT
2976.0	[m]	DC	STRAT
2991.0	[m]	DC	STRAT
3006.0	[m]	DC	STRAT
3021.0	[m]	DC	STRAT
3027.0	[m]	DC	STRAT
3039.7	[m]	C	STAT
3040.3	[m]	C	STAT
3046.6	[m]	C	STAT
3050.7	[m]	C	STAT
3069.0	[m]	DC	STRAT
3081.0	[m]	DC	STRAT
3096.0	[m]	DC	STRAT
3111.0	[m]	DC	STRAT
3126.0	[m]	DC	STRAT
3141.0	[m]	DC	STRAT
3156.0	[m]	DC	STRAT
3171.0	[m]	DC	STRAT
3186.0	[m]	DC	STRAT
3201.0	[m]	DC	STRAT
3216.0	[m]	DC	STRAT
3231.0	[m]	DC	STRAT
3237.0	[m]	DC	STRAT
3246.0	[m]	DC	STRAT
3252.0	[m]	DC	STRAT
3267.0	[m]	DC	STRAT
3282.0	[m]	DC	STRAT
3288.0	[m]	DC	STRAT
3294.0	[m]	DC	STRAT
3303.0	[m]	DC	STRAT
3318.0	[m]	DC	STRAT
3333.0	[m]	DC	STRAT
3348.0	[m]	DC	STRAT
3363.0	[m]	DC	STRAT



3378.0	[m]	DC	STRAT
3389.0	[m]	SWC	STAT
3399.3	[m]	SWC	STAT
3407.0	[m]	SWC	STAT
3417.0	[m]	SWC	STAT
3427.5	[m]	SWC	STAT
3441.0	[m]	SWC	STAT
3461.0	[m]	SWC	STAT
3473.0	[m]	SWC	STAT
3484.0	[m]	SWC	STAT
3489.0	[m]	DC	STRAT
3504.0	[m]	DC	STRAT
3519.0	[m]	DC	STRAT
3525.0	[m]	DC	STRAT
3540.0	[m]	DC	STRAT
3555.0	[m]	DC	STRAT
3570.0	[m]	DC	STRAT
3585.0	[m]	DC	STRAT
3600.0	[m]	DC	STRAT
3615.0	[m]	DC	STRAT
3630.0	[m]	DC	STRAT
3645.0	[m]	DC	STRAT
3662.0	[m]	SWC	STAT
3664.0	[m]	SWC	STAT
3678.0	[m]	DC	STRAT
3693.0	[m]	DC	STRAT
3703.0	[m]	DC	STRAT

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
163	NORDLAND GP
927	UTSIRA FM
946	HORDALAND GP
1784	ROGALAND GP
1784	BALDER FM
1861	SELE FM
2007	VÅLE FM
2027	SHETLAND GP



2920	CROMER KNOLL GP
2927	VIKING GP
2927	DRAUPNE FM
2976	HEATHER FM
3022	BRENT GP
3022	TARBERT FM
3235	ETIVE FM
3248	RANNOCH FM
3296	BROOM FM
3306	DUNLIN GP
3306	DRAKE FM
3387	COOK FM
3472	BURTON FM
3530	AMUNDSEN FM
3660	STATEFJORD GP

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1358	pdf	0.53

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1358_1	pdf	1.70

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1358_01_WDSS_General_Information	pdf	0.23
1358_02_WDSS_completion_log	pdf	0.21

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
1358 33 12 7 COMPLETION REPORT AND LOG	pdf	23.60

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL	160	1600
CBL VDL	1400	3018
CDL CNL GR	3017	3701
CDL GR	364	3036
DIFF.TEMP	1505	1848
DIFL ACL GR	364	3688
DIPLOG	3017	3701
FMT	3388	3041
MWD - GR RES DIR	226	3703
SWC GR	3295	3670
VELOCITY	1300	3680

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	222.0	36	225.0	0.00	LOT
INTERM.	20	363.0	26	384.0	1.43	LOT
INTERM.	13 3/8	1610.0	17 1/2	1625.0	1.76	LOT
INTERM.	9 5/8	3017.0	12 1/4	3034.0	1.85	LOT
OPEN HOLE		3703.0	8 1/2	3703.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
208	1.05			WATER BASED	23.02.1989
225	1.05	25.0	23.9	WATER BASED	27.02.1989
332	1.05	25.0	23.9	WATER BASED	27.02.1989
383	1.05	25.0	23.9	WATER BASED	27.02.1989
384	1.10	12.0	3.8	WATER BASED	03.03.1989





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 29.5.2024 - 10:53

384	1.10	10.0	3.8	WATER BASED	28.02.1989
773	1.10	14.0	3.8	WATER BASED	16.03.1989
1218	1.20	16.0	3.4	WATER BASED	17.03.1989
1545	1.20	21.0	3.9	WATER BASED	20.03.1989
1548	1.20	21.0	3.8	WATER BASED	20.03.1989
1613	1.20	16.0	2.4	WATER BASED	20.03.1989
1625	1.20	16.0	3.8	WATER BASED	20.03.1989
1625	1.20	15.0	3.4	WATER BASED	21.03.1989
1625	1.12	17.0	3.8	WATER BASED	22.03.1989
1625	1.20	17.0	4.3	WATER BASED	20.03.1989
1625	1.13	12.0	3.8	WATER BASED	28.03.1989
1630	1.27	12.0	3.8	WATER BASED	28.03.1989
1827	1.27	20.0	3.8	WATER BASED	28.03.1989
2139	1.27	20.0	4.5	WATER BASED	28.03.1989
2388	1.27	19.0	3.4	WATER BASED	28.03.1989
2422	1.27	18.0	3.8	WATER BASED	28.03.1989
2424	1.27	18.0	3.4	WATER BASED	28.03.1989
2439	1.27	15.0	3.8	WATER BASED	29.03.1989
2511	1.27	18.0	2.9	WATER BASED	29.03.1989
2587	1.27	21.0	3.8	WATER BASED	29.03.1989
2628	1.27	20.0	3.8	WATER BASED	30.03.1989
2682	1.27	17.0	3.4	WATER BASED	30.03.1989
2730	1.27	20.0	2.8	WATER BASED	30.03.1989
2760	1.27	19.0	2.8	WATER BASED	30.03.1989
2821	1.27	16.0	3.4	WATER BASED	31.03.1989
2879	1.27	13.0	3.9	WATER BASED	31.03.1989
2904	1.27	13.0	3.4	WATER BASED	03.04.1989
2917	1.28	15.0	3.9	WATER BASED	03.04.1989
2937	1.52	19.0	5.3	WATER BASED	03.04.1989
2961	1.52	18.0	5.7	WATER BASED	03.04.1989
2976	1.52	18.0	6.2	WATER BASED	03.04.1989
3034	1.52	16.0	5.3	WATER BASED	03.04.1989
3034	1.55	17.0	5.3	WATER BASED	06.04.1989
3034	1.55	16.0	5.3	WATER BASED	05.04.1989
3034	1.52	17.0	4.8	WATER BASED	04.04.1989
3034	1.55	18.0	4.8	WATER BASED	07.04.1989
3035	1.47	18.0	4.8	WATER BASED	10.04.1989
3052	1.47	27.0	5.3	WATER BASED	10.04.1989
3054	1.47	25.0	5.3	WATER BASED	10.04.1989
3170	1.47	27.0	6.2	WATER BASED	11.04.1989



3170	1.47	27.0	6.2	WATER BASED	11.04.1989
3291	1.47	28.0	6.2	WATER BASED	12.04.1989
3315	1.47	28.0	4.7	WATER BASED	13.04.1989
3383	1.47	31.0	4.3	WATER BASED	14.04.1989
3472	1.47	34.0	4.7	WATER BASED	17.04.1989
3472	1.47	34.0	4.7	WATER BASED	17.04.1989
3472	1.47	34.0	4.7	WATER BASED	17.04.1989
3505	1.47	35.0	3.8	WATER BASED	17.04.1989
3505	1.47	35.0	3.8	WATER BASED	17.04.1989
3505	1.47	35.0	3.8	WATER BASED	17.04.1989
3583	1.47	33.0	4.8	WATER BASED	17.04.1989
3583	1.47	33.0	4.8	WATER BASED	17.04.1989
3583	1.47	33.0	4.8	WATER BASED	17.04.1989
3595	1.47	34.0	4.8	WATER BASED	18.04.1989
3628	1.47	33.0	3.8	WATER BASED	18.04.1989
3650	1.47	32.0	5.3	WATER BASED	19.04.1989
3703	1.47	36.0	5.3	WATER BASED	20.04.1989
3703	1.47	36.0	5.3	WATER BASED	20.04.1989
3703	1.47	36.0	3.4	WATER BASED	21.04.1989
3703	1.47	35.0	4.8	WATER BASED	24.04.1989
3703	1.47	34.0	3.4	WATER BASED	19.04.1989

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]
1358 Formation pressure (Formasjonstrykk)	pdf	0.23

