



Generell informasjon

Brønnbane navn	33/9-15
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	33/9-15
Seismisk lokalisering	E86X403& SP. 1001
Utvinningstillatelse	172
Boreoperatør	Mobil Exploration Norway INC
Boretillatelse	727-L
Boreinnretning	SOVEREIGN EXPLOR
Boredager	47
Borestart	23.04.1992
Boreslutt	08.06.1992
Frigitt dato	08.06.1994
Publiseringsdato	27.02.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	INTRA DRAUPNE FM SS
Avstand, boredekk - midlere havflate [m]	26.5
Vanndybde ved midlere havflate [m]	252.5
Totalt målt dybde (MD) [m RKB]	3007.0
Totalt vertikalt dybde (TVD) [m RKB]	3006.9
Maks inklinasjon [°]	2.8
Temperatur ved bunn av brønnbanen [°C]	100
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	ETIVE FM
Geodetisk datum	ED50
NS grader	61° 24' 24.67" N
ØV grader	1° 57' 15.76" E
NS UTM [m]	6808715.45



ØV UTM [m]	444170.28
UTM sone	31
NPDID for brønnbanen	1810

Brønnhistorie

General

The 33/9-15 well is located on the northwestern flank of the Tampen Spur geological province, on the western margin of the North Viking Graben. To the north of the well location lies the Statfjord Nord oil field with the main Statfjord oil field to the south and Statfjord Øst to the Southeast. Well 33/9-15 was drilled in the southern part of Licence PL172. The primary objective was to evaluate the hydrocarbon potential of a Late Jurassic Intra Draupne Sandstone unit, which was thought to be similar to, or possibly associated with, the nearby Statfjord Nord field. The secondary objective was to evaluate Middle Jurassic sands of the Brent Group.

Operations and results

The well 33/9-15 was spudded with the semi-submersible rig Sovereign Explorer on 23 April 1992 and drilled to TD at 3007 m in the middle Jurassic Eivie Formation. The well was drilled with seawater and hi-vis pills down to 416 m and with KCl / Polymer mud from 416 m to TD. Weak shows appeared on cores at the Mime Formation level. A thin oil zone was encountered at the top of the Munin sandstone unit of the Draupne Formation and two additional thin oil zones were seen further down in the Munin sandstone. No shows were seen in the Brent Group. Three RFT fluid samples were taken in the Intra Draupne Formation Sandstone at 2743.5 m, 2783.2 m, and 2829.8 m. They all contained water with trace of oil. The sample from 2829 m contained sufficient oil for analysis, which gave an oil density of 0.859 g/cm³ (33.1 API gravity). Eight cores were cut in the interval 2711 m to 2838 m, two in the Cromer Knoll Group, one from the base Mime Formation and into the upper Draupne Formation and the remaining five in the Draupne Formation.

The well was permanently abandoned on 8 June 1992 as a dry hole with oil shows.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
430.00	3007.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerner i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2711.0	2721.8	[m]
2	2723.0	2731.6	[m]
3	2733.0	2769.6	[m]
4	2770.2	2783.1	[m]
5	2783.0	2800.5	[m]
6	2801.0	2806.7	[m]
7	2811.0	2820.0	[m]
8	2820.0	2838.5	[m]

Total kjerneprøve lengde [m]	119.6
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2711-2716m



2716-2721m



2721-2722m



2723-2728m



2728-2731m



2733-2738m



2738-2743m



2748-2753m



2753-2758m



2758-2763m



2763-2768m



2768-2769m



2770-2775m



2775-2780m



2780-2783m



2788-2793m



2793-2798m



2798-2800m



2801-2806m



2806-2807m



2811-2816m



2816-2820m



2820-2825m



2825-2830m



2830-2835m

Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
421.5	[m]	SWC	RRI
450.0	[m]	SWC	RRI
481.5	[m]	SWC	RRI
511.0	[m]	SWC	RRI
526.0	[m]	SWC	RRI
560.0	[m]	SWC	RRI
576.5	[m]	SWC	RRI
603.5	[m]	SWC	RRI
615.0	[m]	SWC	RRI
623.5	[m]	SWC	RRI
638.0	[m]	SWC	RRI
653.0	[m]	SWC	RRI
685.0	[m]	SWC	RRI
700.0	[m]	SWC	RRI
745.0	[m]	SWC	RRI
775.5	[m]	SWC	RRI
790.0	[m]	SWC	RRI
850.0	[m]	SWC	RRI
865.0	[m]	SWC	RRI
880.0	[m]	SWC	RRI
894.5	[m]	SWC	RRI
910.0	[m]	SWC	RRI
923.5	[m]	SWC	RRI



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 21:14

939.0 [m]	SWC	RRI
962.0 [m]	SWC	RRI
998.5 [m]	SWC	RRI
1024.5 [m]	SWC	RRI
1030.0 [m]	SWC	RRI
1041.0 [m]	SWC	RRI
1052.5 [m]	SWC	RRI
1067.0 [m]	SWC	RRI
1075.0 [m]	SWC	RRI
1092.0 [m]	SWC	RRI
1110.0 [m]	SWC	RRI
1130.0 [m]	SWC	RRI
1150.0 [m]	SWC	RRI
1180.0 [m]	SWC	RRI
1200.0 [m]	SWC	RRI
1220.0 [m]	DC	RRI
1240.0 [m]	DC	RRI
1260.0 [m]	DC	RRI
1280.0 [m]	DC	RRI
1290.0 [m]	DC	RRI
1300.0 [m]	DC	RRI
1320.0 [m]	DC	RRI
1340.0 [m]	DC	RRI
1360.0 [m]	DC	RRI
1380.0 [m]	DC	RRI
1400.0 [m]	DC	RRI
1420.0 [m]	DC	RRI
1440.0 [m]	DC	RRI
1460.0 [m]	DC	RRI
1480.0 [m]	DC	RRI
1500.0 [m]	DC	RRI
1520.0 [m]	DC	RRI
1540.0 [m]	DC	RRI
1540.0 [m]	DC	RRI
1560.0 [m]	DC	RRI
1580.0 [m]	DC	RRI
1600.0 [m]	DC	RRI
1610.0 [m]	DC	RRI
1620.0 [m]	DC	RRI
1640.0 [m]	DC	RRI



1660.0 [m]	DC	RRI
1680.0 [m]	DC	RRI
1690.0 [m]	DC	RRI
1700.0 [m]	DC	RRI
1710.0 [m]	DC	RRI
1720.0 [m]	DC	RRI
1740.0 [m]	DC	RRI
1760.0 [m]	DC	RRI
1780.0 [m]	DC	RRI
1800.0 [m]	DC	RRI
1820.0 [m]	DC	RRI
1840.0 [m]	DC	RRI
1860.0 [m]	DC	RRI
1880.0 [m]	DC	RRI
1900.0 [m]	DC	RRI
1920.0 [m]	DC	RRI
1940.0 [m]	DC	RRI
1960.0 [m]	DC	RRI
1980.0 [m]	DC	RRI
2000.0 [m]	DC	RRI
2020.0 [m]	DC	RRI
2040.0 [m]	DC	RRI
2060.0 [m]	DC	RRI
2080.0 [m]	DC	RRI
2100.0 [m]	DC	RRI
2120.0 [m]	DC	RRI
2140.0 [m]	DC	RRI
2150.0 [m]	DC	RRI
2155.0 [m]	SWC	RRI
2170.0 [m]	DC	RRI
2170.0 [m]	SWC	RRI
2185.0 [m]	SWC	RRI
2190.0 [m]	DC	RRI
2205.0 [m]	SWC	RRI
2210.0 [m]	DC	RRI
2220.0 [m]	DC	RRI
2240.0 [m]	SWC	RRI
2260.0 [m]	DC	RRI
2280.0 [m]	DC	RRI
2300.0 [m]	DC	RRI



2320.0	[m]	DC	RRI
2340.0	[m]	DC	RRI
2360.0	[m]	DC	RRI
2380.0	[m]	DC	RRI
2400.0	[m]	DC	RRI
2420.0	[m]	DC	RRI
2440.0	[m]	DC	RRI
2460.0	[m]	DC	RRI
2480.0	[m]	DC	RRI
2500.0	[m]	DC	RRI
2520.0	[m]	DC	RRI
2534.0	[m]	SWC	RRI
2550.0	[m]	DC	RRI
2565.0	[m]	SWC	RRI
2578.0	[m]	SWC	RRI
2588.0	[m]	SWC	RRI
2603.0	[m]	DC	RRI
2615.5	[m]	SWC	RRI
2633.0	[m]	DC	RRI
2651.0	[m]	DC	RRI
2669.0	[m]	DC	RRI
2687.0	[m]	DC	RRI
2696.0	[m]	DC	RRI
2706.5	[m]	SWC	RRI
2711.0	[m]	C	RRI
2714.0	[m]	C	RRI
2716.0	[m]	SWC	RRI
2718.0	[m]	C	RRI
2720.0	[m]	C	RRI
2725.0	[m]	C	RRI
2730.0	[m]	C	RRI
2731.0	[m]	C	RRI
2732.0	[m]	C	RRI
2733.0	[m]	C	RRI
2735.0	[m]	C	RRI
2737.0	[m]	C	RRI
2739.0	[m]	C	RRI
2740.0	[m]	C	RRI
2742.0	[m]	C	RRI
2744.0	[m]	C	RRI



2745.0	[m]	C	RRI
2747.0	[m]	C	RRI
2750.0	[m]	C	RRI
2753.0	[m]	C	RRI
2755.0	[m]	C	RRI
2760.0	[m]	C	RRI
2764.0	[m]	C	RRI
2768.0	[m]	C	RRI
2771.0	[m]	C	RRI
2774.0	[m]	C	RRI
2776.0	[m]	C	RRI
2781.0	[m]	C	RRI
2786.0	[m]	C	RRI
2788.0	[m]	C	RRI
2792.0	[m]	C	RRI
2796.0	[m]	C	RRI
2800.0	[m]	C	RRI
2804.0	[m]	C	RRI
2806.6	[m]	C	RRI
2808.0	[m]	DC	RRI
2812.0	[m]	C	RRI
2816.0	[m]	C	RRI
2820.0	[m]	C	RRI
2825.0	[m]	C	RRI
2830.0	[m]	C	RRI
2838.0	[m]	C	RRI
2843.0	[m]	DC	RRI
2849.0	[m]	DC	RRI
2852.0	[m]	DC	RRI
2865.0	[m]	SWC	RRI
2873.0	[m]	DC	RRI
2879.0	[m]	DC	RRI
2888.0	[m]	DC	RRI
2894.0	[m]	DC	RRI
2900.0	[m]	DC	RRI
2905.0	[m]	SWC	RRI
2909.0	[m]	DC	RRI
2912.0	[m]	DC	RRI
2918.0	[m]	DC	RRI
2924.0	[m]	DC	RRI



2930.0	[m]	DC	RRI
2933.0	[m]	DC	RRI
2939.0	[m]	DC	RRI
2942.0	[m]	DC	RRI
2943.0	[m]	SWC	RRI
2951.0	[m]	DC	RRI
2954.0	[m]	DC	RRI
2958.0	[m]	SWC	RRI
2963.0	[m]	DC	RRI
2963.0	[m]	DC	RRI
2965.5	[m]	SWC	RRI
2969.0	[m]	DC	RRI
2971.0	[m]	SWC	RRI
2978.0	[m]	DC	RRI
2987.0	[m]	DC	RRI
2996.0	[m]	DC	RRI
3002.0	[m]	DC	RRI
3007.0	[m]	DC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
279	NORDLAND GP
924	UTSIRA FM
998	HORDALAND GP
1206	NO FORMAL NAME
1238	NO FORMAL NAME
1282	NO FORMAL NAME
1690	ROGALAND GP
1690	BALDER FM
1783	LISTA FM
1923	VÅLE FM
1935	SHETLAND GP
1935	JORSALFARE FM
2120	KYRRE FM
2702	CROMER KNOLL GP
2702	RØDBY FM
2714	SOLA FM
2717	ÅSGARD FM



2737	MIME FM
2742	VIKING GP
2742	DRAUPNE FM
2743	INTRA DRAUPNE FM SS
2841	DRAUPNE FM
2851	HEATHER FM
2945	BRENT GP
2945	TARBERT FM
2958	NESS FM
3003	ETIVE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1810	pdf	0.44

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1810_1	pdf	2.75
1810_2	pdf	2.41

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1810_01 WDSS General Information	pdf	0.45
1810_02 WDSS completion log	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1810_33_9_15 COMPLETION REPORT AND LOG	pdf	59.97





Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CET GR	650	1200
CST GR	421	1200
CST GR	2155	2205
CST GR	2227	2993
CST GR	2578	2993
DIT LSS GR AMS LSS-VDL	1199	2220
DIT LSS LDT GR AMS	250	1204
DIT SDT GR AMS SDT-VDL	2208	3010
DLL MSFL AMS GR	2208	3010
LDT CNT AMS NGT	2208	3010
LSAL SWAL GR	406	1198
LSAL SWAL GR	1158	2220
LSAL SWAL GR	2150	3010
MWD - RES DIR GR MEM	416	1205
MWD - RES DIR GR MEM	1210	2218
MWD - RES DIR GR MEM	2218	3007
MWD - RES GR DIR	279	413
RFT HP GR P+S	2776	2829
RFT HP GR P+S	2782	2783
RFT HP GR P+S	2828	2829
SHDT AMS GR	2208	3010
VSP	400	3000

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	411.0	36	416.0	0.00	LOT
INTERM.	13 3/8	1199.0	17 1/2	1210.0	1.71	LOT
INTERM.	9 5/8	2209.0	12 1/4	2218.0	1.90	LOT
OPEN HOLE		3007.0	8 1/2	3007.0	0.00	LOT

Boreslam



Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
413	1.26	20.0		WATER BASED	
535	1.13	28.0		WATER BASED	
875	1.13	28.0		WATER BASED	
1205	1.13	14.0		WATER BASED	
1205	1.13	14.0		WATER BASED	
1490	1.26	14.0		WATER BASED	
1774	1.35	16.0		WATER BASED	
1943	1.46	24.0		WATER BASED	
2218	1.49	30.0		WATER BASED	
2603	1.54	33.0		WATER BASED	
2711	1.57	33.0		WATER BASED	
2770	1.57	26.0		WATER BASED	
2797	1.57	30.0		WATER BASED	
3007	1.57	27.0		WATER BASED	

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]
1810 Formation pressure (Formasjonstrykk)	pdf	0.21

