



Generell informasjon

Brønnbane navn	15/9-10
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	15/9-10
Seismisk lokalisering	510 - 155 SP 255
Utvinningstillatelse	046
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	302-L
Boreinnretning	NORDRAUG
Boredager	54
Borestart	15.09.1981
Boreslutt	07.11.1981
Frigitt dato	07.11.1983
Publiseringsdato	11.02.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	98.0
Totalt målt dybde (MD) [m RKB]	3289.0
Totalt vertikalt dybde (TVD) [m RKB]	3288.0
Maks inklinasjon [°]	2
Temperatur ved bunn av brønnbanen [°C]	100
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SMITH BANK FM
Geodetisk datum	ED50
NS grader	58° 19' 42.92" N
ØV grader	1° 46' 20.61" E
NS UTM [m]	6466097.13
ØV UTM [m]	428101.86
UTM sone	31
NPDID for brønnbanen	69



Brønnhistorie

General

Wildcat well is located between the Sleipner Vest and Sleipner Øst Fields. The well was designed to test possible hydrocarbon accumulations in the Upper Middle Jurassic sands and secondary test Heimdal Formation Sand of Paleocene age.

Operations and results

Wildcat well 15/9-10 was spudded with the semi-submersible installation Neptuno Nordraug on 15 September 1981 and drilled to TD at 3289 m in the Triassic Smith Bank Formation. Drilling the 26" hole section complete loss of returns occurred at 186 m and a cement plug was set. Drilling out of the cement returns were again lost, at 178 m, requiring a further cement plug. Total losses due to this loss zone were well in excess of 10 000 bbls. After this operations went without significant problems. The well was drilled with seawater and hi-vis pills down to 172 m. The next section, the 26" section, was drilled down to 472 m with seawater/bentonite and quantities of Mica Fine, Nutplug, Kwikseal, and other additives. From 472 m to TD m the well was drilled with polymer/Drispac.

The well encountered Tertiary sands in the Utsira Formation at 884 - 1102 m, Grid Formation at 2049 - 2079 m, Heimdal and Ty Formations at 2547 m to 2667 m. An RFT run in the Heimdal sand indicated a water gradient, 1.02 g/cm³. The primary target Jurassic sandstones was encountered at 3070 m in the Hugin and Sleipner Formations. Some shows were recorded in the Hugin Formation, but from the logs the formations were all water-wet. Possible source rocks were encountered in a comparatively thick and marly Blodøks Formation from 2871 m to 2924 m, and in the Late Jurassic Draupne and Heather Formations from 3004 m to 3070 m. Four conventional cores were cut. Core 1 was cut from 3061 m to 3062.4 m in the Heather Formation, core 2 was cut from 3082 m to 3100 m in the Hugin Formation, and cores 3 and 4 were cut from 3137 m to 3171 m in the Sleipner Formation. No fluid sample was taken.

The well was permanently abandoned as dry with minor shows on 7 November 1981.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
180.00	3285.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3061.0	3062.4	[m]
2	3082.0	3101.0	[m]
3	3137.0	3151.8	[m]
4	3153.0	3171.0	[m]

Total kjerneprøve lengde [m]	53.2
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3061-3062m



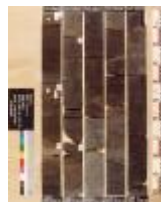
3061-3062m



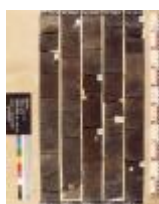
3082-3087m



3087-3092m



3092-3097m



3087-3092m



3092-3097m



3097-3101m



3137-3142m



3142-3147m



3147-3151m



3153-3158m



3158-3163m



3153-3158m



3158-3163m



3163-3168m



3168-3171m



Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2945.5	[m]	DC	
2980.0	[m]	DC	
3010.0	[m]	DC	
3024.0	[m]	SWC	
3040.0	[m]	DC	
3056.0	[m]	SWC	
3061.2	[m]	C	OD
3061.3	[m]	C	
3061.9	[m]	C	
3070.0	[m]	DC	
3070.0	[m]	DC	OD
3075.0	[m]	DC	OD
3079.0	[m]	SWC	
3082.2	[m]	C	OD
3082.3	[m]	C	
3083.0	[m]	C	
3084.0	[m]	C	
3084.2	[m]	C	OD
3086.6	[m]	C	OD
3089.4	[m]	C	
3090.6	[m]	C	OD
3095.5	[m]	C	OD
3095.5	[m]	C	
3099.2	[m]	C	OD
3100.0	[m]	DC	
3110.0	[m]	DC	OD
3116.5	[m]	SWC	
3120.0	[m]	DC	OD
3130.0	[m]	DC	OD
3130.0	[m]	DC	
3140.2	[m]	C	OD
3175.0	[m]	DC	
3200.0	[m]	DC	
3230.0	[m]	DC	
3260.0	[m]	DC	
3290.0	[m]	DC	



Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		0.00	0.00		27.09.1993 - 19:00	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
123	NORDLAND GP
884	UTSIRA FM
1083	UNDIFFERENTIATED
1102	HORDALAND GP
1198	SKADE FM
1260	NO FORMAL NAME
2049	GRID FM
2079	NO FORMAL NAME
2300	ROGALAND GP
2300	BALDER FM
2335	SELE FM
2410	LISTA FM
2547	HEIMDAL FM
2596	LISTA FM
2597	TY FM
2667	SHETLAND GP
2667	EKOFISK FM
2671	TOR FM
2733	HOD FM
2871	BLODØKS FM
2924	SVARTE FM
2955	CROMER KNOLL GP
2955	RØDBY FM
2982	SOLA FM
2991	ÅSGARD FM
3004	VIKING GP
3004	DRAUPNE FM
3059	HEATHER FM



3070	VESTLAND GP
3070	HUGIN FM
3127	SLEIPNER FM
3183	NO GROUP DEFINED
3183	SKAGERRAK FM
3241	SMITH BANK FM

Spleisede logger

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

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
69_01_WDSS_General_Information	pdf	0.10
69_02_WDSS_completion_log	pdf	0.25

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
69_01_Completion_report	pdf	16.17
69_02_Completion_log	pdf	1.86
69_02_General_information	pdf	0.11
69_03_General_report	pdf	3.58
69_04_Marine_report	pdf	0.15
69_05_Formation_integrity_test	pdf	3.89
69_06_Core_report	pdf	0.29
69_07_Biostratigraphy	pdf	2.43
69_08_Pressure_summary	pdf	0.18

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	119	1420





CBL VDL GR	225	1166
CBL VDL GR	698	2695
CST	2342	2675
CYBERBOND	225	1166
CYBERBOND	698	2695
CYBERDIP	2705	3290
CYBERLOOK	3130	3291
FDC CNL GR	2705	3290
FDC GR	471	2718
GEODIP	3125	3250
HDT	2705	3290
ISF BHC GR	172	3289
RFT	2501	2659
VELOCITY	580	3280

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	172.0	36	173.0	0.00	LOT
SURF.COND.	20	472.0	26	485.0	1.75	LOT
INTERM.	13 3/8	1166.0	17 1/2	1178.0	1.65	LOT
INTERM.	9 5/8	2706.0	12 1/4	2719.0	1.78	LOT
OPEN HOLE		3289.0	8 1/2	3289.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
197	1.06	44.0		spud mud	
485	1.10	44.0	6.0	spud mud	
1178	1.11	42.0	14.0	water based	
2550	1.22	49.0	20.0	water based	
2719	1.27	43.0	13.0	water based	
2985	1.50	53.0	12.0	water based	
3289	1.48	48.0	10.0	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 brønnspar. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

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

