



Generell informasjon

Brønnbane navn	25/10-6 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	25/10-6
Seismisk lokalisering	ST 9304- INLINE 648 & CROSSLINE 717
Utvinningstillatelse	168
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	836-L
Boreinnretning	DEEPSEA BERGEN
Boredager	88
Borestart	26.12.1995
Boreslutt	22.03.1996
Frigitt dato	22.03.1998
Publiseringsdato	29.08.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	117.0
Totalt målt dybde (MD) [m RKB]	4706.0
Totalt vertikalt dybde (TVD) [m RKB]	4281.5
Maks inklinasjon [°]	43.5
Temperatur ved bunn av brønnbanen [°C]	158
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	SLEIPNER FM
Geodetisk datum	ED50
NS grader	59° 8' 8.69" N
ØV grader	2° 1' 37.54" E
NS UTM [m]	6555724.91
ØV UTM [m]	444322.99
UTM sone	31
NPDID for brønnbanen	2728



Brønnhistorie

General

Well 25/10-6 S is located West-Southwest of the Balder field. The main objectives for the well were to prove the hydrocarbon potentials of the Heimdal, Ty, and the Hugin Formations.

Operations and results

Wildcat well 25/10-6 S well was spudded with the semi-submersible installation "Deepsea Bergen" on 26 December 1995 and drilled deviated to a TD of 4706 m (4281.5 m TVD) in the Middle Jurassic Sleipner Formation. The well was drilled using bentonite / CMC EHV mud down to 1039 m, with "ANCO 2000" mud from 1039 m to 2377 m, and with oil based "ANCOVERT" mud from 2377 m to TD. Several drilling problems were encountered below 1339 m and it took 30 days more than budget to reach TD. The problems included mud pump failure, MWD failure and difficulties with controlling the angle, bad weather, and bit problems. Many of the problems were due to hard formation. The well was drilled vertically to 1631 m before building angle.

Well 25/10-6 S drilled through sediments of Tertiary, Cretaceous and into Jurassic ages. The well penetrated the Heimdal Formation at 2317.5 m and the Ty Formation at 2636.5 m. The angle was then approximately 15.5°. The angle increased through the Shetland Group and reached a maximum of 43.5° at approximately 4330 m in the Vestland Group. The well penetrated the Hugin Formation at 4337.5 m (3995.5 m TVD), 41.5 m deeper than prognosed (at an angle of 42°). The potential reservoirs in Palaeocene sandstones (Heimdal and Ty Formations) were water bearing. The Hugin Formation contained hydrocarbons, but the core data and FMT-results showed tight formation. Three cores were cut in the Hugin Formation. Of these, a total of only 12.7 m core were recovered because a very hard formation wore out the bit earlier than expected. No fluid samples were collected. The well was permanently plugged and abandoned on 22 March 1996 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1040.00	4704.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4339.2	4343.5	[m]
2	4344.0	4349.5	[m]
3	4397.0	4399.7	[m]

Total kjerneprøve lengde [m]	12.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



4339-4343m



4344-4349m



4349-4399m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1040.0	[m]	DC	RRI
1060.0	[m]	DC	RRI
1070.0	[m]	DC	RRI
1090.0	[m]	DC	RRI
1100.0	[m]	DC	RRI
1120.0	[m]	DC	RRI
1130.0	[m]	DC	RRI
1150.0	[m]	DC	RRI
1170.0	[m]	DC	RRI
1190.0	[m]	DC	RRI
1200.0	[m]	DC	RRI
1220.0	[m]	DC	RRI
1240.0	[m]	DC	RRI
1260.0	[m]	DC	RRI
1270.0	[m]	DC	RRI
1290.0	[m]	DC	RRI
1300.0	[m]	DC	RRI



1320.0	[m]	DC	RRI
1330.0	[m]	DC	RRI
1350.0	[m]	DC	RRI
1370.0	[m]	DC	RRI
1390.0	[m]	DC	RRI
1400.0	[m]	DC	RRI
1420.0	[m]	DC	RRI
1430.0	[m]	DC	RRI
1450.0	[m]	DC	RRI
1470.0	[m]	DC	RRI
1480.0	[m]	DC	RRI
1500.0	[m]	DC	RRI
1510.0	[m]	DC	RRI
1530.0	[m]	DC	RRI
1540.0	[m]	DC	RRI
1570.0	[m]	DC	RRI
1590.0	[m]	DC	RRI
1600.0	[m]	DC	RRI
1620.0	[m]	DC	RRI
1630.0	[m]	DC	RRI
1650.0	[m]	DC	RRI
1660.0	[m]	DC	RRI
1680.0	[m]	DC	RRI
1700.0	[m]	DC	RRI
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1730.0	[m]	DC	RRI
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1770.0	[m]	DC	RRI
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1860.0	[m]	DC	RRI
1880.0	[m]	DC	RRI
1890.0	[m]	DC	RRI
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1940.0	[m]	DC	RRI



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2110.0 [m]	DC	RRI
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2170.0 [m]	DC	RRI
2180.0 [m]	DC	RRI
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2220.0 [m]	DC	RRI
2229.0 [m]	DC	RRI
2232.6 [m]	SWC	WESTLAB
2238.0 [m]	DC	RRI
2247.0 [m]	DC	RRI
2256.0 [m]	DC	RRI
2265.0 [m]	DC	RRI
2272.6 [m]	SWC	WESTLAB
2283.0 [m]	DC	RRI
2287.6 [m]	SWC	WESTLAB
2292.0 [m]	DC	RRI
2301.0 [m]	DC	RRI
2307.6 [m]	SWC	WESTLAB
2328.0 [m]	DC	RRI
2337.0 [m]	DC	RRI
2346.0 [m]	DC	RRI
2355.0 [m]	DC	RRI
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2373.0 [m]	DC	RRI



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2589.0	[m]	DC	RRI
2598.0	[m]	DC	RRI
2616.0	[m]	DC	RRI
2631.1	[m]	SWC	WESTLAB
2637.5	[m]	SWC	WESTLA
2643.0	[m]	DC	RRI
2652.0	[m]	DC	RRI
2670.0	[m]	DC	RRI
2679.0	[m]	DC	RRI
2691.0	[m]	SWC	WESTLAB
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2718.0	[m]	DC	RRI
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3360.0	[m]	DC	RRI
3380.0	[m]	DC	RRI
3390.0	[m]	DC	RRI
3590.0	[m]	DC	RRI
3860.0	[m]	DC	RRI
3870.0	[m]	DC	RRI
3890.0	[m]	DC	RRI
3900.0	[m]	DC	RRI
3920.0	[m]	DC	RRI
3930.0	[m]	DC	RRI
3950.0	[m]	DC	RRI



3960.0 [m]	DC	RRI
3980.0 [m]	DC	RRI
3990.0 [m]	DC	RRI
4010.0 [m]	DC	RRI
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4065.0 [m]	DC	RRI
4080.0 [m]	DC	RRI
4095.0 [m]	DC	RRI
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4335.0 [m]	DC	APT
4338.0 [m]	DC	APT
4338.0 [m]	DC	RRI
4339.2 [m]	C	RRI
4342.7 [m]	C	RRI
4343.2 [m]	C	WESTLAB
4344.7 [m]	C	WESTLA



4345.6 [m]	C	APT
4349.2 [m]	C	APT
4349.4 [m]	C	WESTLAB
4397.1 [m]	C	APT
4397.5 [m]	C	WESTLAB
4397.9 [m]	C	APT
4398.3 [m]	C	WESTLAB
4398.5 [m]	C	APT
4399.4 [m]	C	APT
4401.0 [m]	DC	APT
4413.0 [m]	DC	APT
4413.0 [m]	DC	RRI
4416.0 [m]	DC	APT
4419.0 [m]	DC	APT
4422.0 [m]	DC	RRI
4431.0 [m]	DC	RRI
4440.0 [m]	DC	RRI
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4491.0 [m]	DC	RRI
4500.0 [m]	DC	RRI
4509.0 [m]	DC	RRI
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4536.0 [m]	DC	RRI
4545.0 [m]	DC	RRI
4554.0 [m]	DC	RRI
4563.0 [m]	DC	RRI
4572.0 [m]	DC	RRI
4581.0 [m]	DC	RRI
4590.0 [m]	DC	RRI
4599.0 [m]	DC	RRI
4608.0 [m]	DC	RRI
4617.0 [m]	DC	RRI
4626.0 [m]	DC	RRI
4635.0 [m]	DC	RRI
4644.0 [m]	DC	RRI
4653.0 [m]	DC	RRI



4662.0	[m]	DC	RRI
4671.0	[m]	DC	RRI
4680.0	[m]	DC	RRI
4689.0	[m]	DC	RRI
4698.0	[m]	DC	RRI
4704.0	[m]	DC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
140	NORDLAND GP
444	UTSIRA FM
695	NO FORMAL NAME
791	HORDALAND GP
791	SKADE FM
982	UNDIFFERENTIATED
1168	NO FORMAL NAME
1200	UNDIFFERENTIATED
1456	GRID FM
1472	NO FORMAL NAME
1491	GRID FM
1530	NO FORMAL NAME
2126	ROGALAND GP
2126	BALDER FM
2221	SELE FM
2286	LISTA FM
2318	HEIMDAL FM
2619	LISTA FM
2637	TY FM
2686	VÅLE FM
2789	SHETLAND GP
2789	JORSALFARE FM
3069	KYRRE FM
3160	TRYGGVASON FM
3521	BLODØKS FM
3639	SVARTE FM
3885	CROMER KNOLL GP
3885	RØDBY FM
4057	SOLA FM



4074	ÅSGARD FM
4240	VIKING GP
4240	DRAUPNE FM
4314	HEATHER FM
4338	VESTLAND GP
4338	HUGIN FM
4489	SLEIPNER FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
2728	pdf	0.71

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
2728_1	pdf	1.73
2728_2	pdf	1.75

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2728_25_10_6_S_COMPLETION_REPORT_AND_COMPLETION_LOG	pdf	15.63

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CDL CN GR CHT	4036	4628
DIPL MAC ZDL CN DSL	2095	3080
DLL MAC ZDL GR	1024	2115
DPIL MAC DSL CHT	4038	4637
FMT GR	2318	2638
FMT GR	2318	2735
FMT GR CHT	4361	4690





FMT QDYNE GR CHT	0	0
FMT QDYNE GR CHT	0	0
FMT QDYNE GR CHT	0	0
MAC DSL	2906	4054
MWD - DPR TF4	204	2375
MWD - DPR TF4	2483	3014
MWD - DPR TF5A	3014	3452
MWD - NAVIGATOR	2375	2547
SWC GR	2232	2760
VSP GR	1400	4040
VSP GR	3890	4180
VSP GR	4390	4700

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
SURF.COND.	30	200.0	36	200.0	0.00	LOT
INTERM.	20	1024.0	26	1026.0	1.74	LOT
INTERM.	13 3/8	2210.0	17 1/2	2212.0	1.79	LOT
INTERM.	9 5/8	4037.0	12 1/4	4037.0	2.10	LOT
OPEN HOLE		4706.0	8 1/2	4706.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1024	1.47	21.0		ANCO 2000	
1024	1.47	21.0		ANCO 2000	
1562	1.41	18.0		ANCO 2000	
1700	1.47	20.0		ANCO 2000	
1860	1.47	20.0		ANCO 2000	
2085	1.47	21.0		ANCO 2000	
2216	1.47	21.0		ANCO 2000	
2217	1.47	22.0		ANCO 2000	
2250	1.47	19.0		ANCO 2000	
2668	1.30	36.0		ANCO VERT	
2719	1.33	40.0		ANCO VERT	
2791	1.35	44.0		ANCO VERT	



2859	1.36	34.0		ANCO VERT	
2870	1.36	34.0		ANCO VERT	
2982	1.37	31.0		ANCO VERT	
3034	1.37	32.0		ANCO VERT	
3132	1.38	34.0		ANCO VERT	
3154	1.38	35.0		ANCO VERT	
3303	1.37	37.0		ANCO VERT	
3371	1.38	34.0		ANCO VERT	
3458	1.38	36.0		ANCO VERT	
3481	1.38	36.0		ANCO VERT	
3614	1.38	35.0		ANCO VERT	
3650	1.38	33.0		ANCO VERT	
3782	1.41	35.0		ANCO VERT	
3827	1.41	34.0		ANCO VERT	
4049	1.85	43.0		ANCO VERT	
4052	1.85	48.0		ANCO VERT	
4208	1.91	47.0		ANCO VERT	
4320	1.95	54.0		ANCO VERT	
4337	1.95	50.0		ANCO VERT	
4339	1.95	48.0		ANCO VERT	
4350	1.95	46.0		ANCO VERT	
4360	1.95	46.0		ANCO VERT	
4403	1.95	49.0		ANCO VERT	
4424	1.95	48.0		ANCO VERT	
4430	1.95	48.0		ANCO VERT	
4480	1.95	49.0		ANCO VERT	
4514	1.95	48.0		ANCO VERT	
4548	1.95	46.0		ANCO VERT	
4611	1.95	46.0		ANCO VERT	
4662	1.95	45.0		ANCO VERT	
4702	1.95	47.0		ANCO VERT	
4706	1.95	47.0		ANCO VERT	

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]
2728 Formation pressure (Formasjonstrykk)	pdf	0.21

