



Generell informasjon

Brønnbane navn	2/1-10
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/1-10
Seismisk lokalisering	GYDA 3D IN LINE 122 X- LINE 1006
Utvinningstillatelse	164
Boreoperatør	BP Norway Limited U.A.
Boretillatelse	703-L
Boreinnretning	ROSS ISLE
Boredager	67
Borestart	09.11.1991
Boreslutt	14.01.1992
Frigitt dato	14.01.1994
Publiseringsdato	24.09.2002
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	66.0
Totalt målt dybde (MD) [m RKB]	4525.0
Totalt vertikalt dybde (TVD) [m RKB]	4523.1
Maks inklinasjon [°]	6.65
Temperatur ved bunn av brønnbanen [°C]	163
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	56° 57' 53.61" N
ØV grader	3° 1' 19.7" E
NS UTM [m]	6313619.42
ØV UTM [m]	501346.22
UTM sone	31
NPDID for brønnbanen	1865



Brønnhistorie

General

The well 2/1-10 was drilled on a prospect located within PL 164, 7.8km Northwest of Gyda Platform. The primary objective was to test the Upper Jurassic Ula Formation, if successfully, to prove a volume of oil that was commercial as a tie back development to the Gyda Platform. A secondary target was a younger Ula Formation interval.

Operations and results

The wildcat well 2/1-10 was spudded on 9 November 1991 with the semi-submersible installation "Ross Isle", and was completed 14 January 1992 in the Triassic Skagerrak Formation. The well was drilled with sea water and hi-vis pills down to 1101 m and with KCl polymer mud from 1101 m to TD. The upper part of the Ula Formation was encountered at 4189.5 m, 50 m deeper than originally predicted. A 133 m thick Ula Formation was encountered instead of the most likely prognosed model of 15 to 30 m thick Ula formation (intra Farsund) sandstone, separated from underlying Ula Sandstone by a 50 to 60 m thick Farsund mudstone. The Ula Formation was cored from 4194 m to 4289.5 m. Fair quality shows was observed in uppermost 5 meter of sandstone only. 2/1-10 was plugged and abandoned as dry well.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1110.00	4525.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4193.0	4219.0	[m]
2	4219.0	4246.0	[m]
3	4246.0	4272.7	[m]
4	4272.7	4278.5	[m]
5	4278.5	4288.3	[m]

Total kjerneprøve lengde [m]	95.3
Kjerner tilgjengelig for prøvetaking?	YES



Kjernebilder



4193-4198m



4198-4203m



4203-4208m



4208-4213m



4213-4218m



4218-4221m



4221-4226m



4226-4231m



4231-4236m



4236-4241m



4241-4246m



4246-4250m



4250-4255m



4255-4260m



4260-4265m



4265-4270m



4270-4274m



4274-4279m



4279-4284m



4284-4288m

Palynologiske preparater i Sjøkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
4127.0	[m]	DC	PETROSTR
4133.0	[m]	DC	PETROS
4139.0	[m]	DC	PETROS
4145.0	[m]	DC	PETROS
4151.0	[m]	DC	PETROS
4157.0	[m]	DC	PETROS



Faktasider

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4163.0 [m]	DC	PETROS
4169.0 [m]	DC	PETROS
4175.0 [m]	DC	PETROS
4181.0 [m]	DC	PETROS
4187.0 [m]	DC	PETROS
4194.4 [m]	C	PETROS
4196.1 [m]	C	PETROS
4198.7 [m]	C	PETROS
4203.2 [m]	C	PETROS
4204.0 [m]	C	PETROS
4205.0 [m]	DC	PETROS
4210.7 [m]	C	PETROS
4213.0 [m]	C	PETROS
4219.3 [m]	C	PETROS
4224.4 [m]	C	PETROS
4230.1 [m]	C	PETROS
4230.3 [m]	C	PETROS
4233.2 [m]	C	PETROS
4239.6 [m]	C	PETROS
4245.5 [m]	C	PETROS
4247.5 [m]	C	PETROS
4252.8 [m]	C	PETROS
4256.6 [m]	C	PETROS
4260.3 [m]	C	PETROS
4262.3 [m]	C	PETROS
4266.1 [m]	C	PETROS
4271.4 [m]	C	PETROS
4274.5 [m]	C	PETROS
4277.0 [m]	DC	PETROS
4279.4 [m]	C	PETROS
4287.4 [m]	C	PETROS
4307.0 [m]	DC	PETROS
4319.0 [m]	DC	PETROS
4331.0 [m]	DC	PETROS
4343.0 [m]	DC	PETROS
4355.0 [m]	DC	PETROS
4361.0 [m]	DC	PETROS
4373.0 [m]	DC	PETROS
4385.0 [m]	DC	PETROS
4397.0 [m]	DC	PETROS



4403.0 [m]	DC	PETROS
4415.0 [m]	DC	PETROS
4427.0 [m]	DC	PETROS
4433.0 [m]	DC	PETROS
4442.0 [m]	DC	PETROS

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
89	NORDLAND GP
1712	HORDALAND GP
2977	ROGALAND GP
2977	BALDER FM
3003	SELE FM
3015	LISTA FM
3168	VÅLE FM
3221	SHETLAND GP
3221	EKOFISK FM
3323	TOR FM
3607	HOD FM
3789	BLODØKS FM
3822	HIDRA FM
3852	CROMER KNOLL GP
3852	RØDBY FM
3889	SOLA FM
3914	TUXEN FM
3964	ÅSGARD FM
4127	TYNE GP
4127	MANDAL FM
4156	FARSUND FM
4189	VESTLAND GP
4189	ULA FM
4322	TYNE GP
4322	FARSUND FM
4347	HAUGESUND FM
4435	NO GROUP DEFINED
4435	SKAGERRAK FM



Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1865	pdf	0.61

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1865_01_WDSS_General_Information	pdf	0.49
1865_02_WDSS_completion_log	pdf	0.25

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1865_2_1_10_COMPLETION_LOG	pdf	1.75
1865_2_1_10_DRILLING_COMPLETION_REPORT	pdf	9.65
1865_2_1_10_GEOLOGICAL_COMPLETION_REPORT	PDF	22.86

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST GR	3840	4515
DIL LLS GR	89	3241
DLL MSFL SDT GR	3233	4525
LDL CNL GR	4050	4525
MWD	89	4525
RFT GR	4193	4463
RFT GR	4226	4226
SHDT GR	3800	4525
VSP	1000	4375

Foringsrør og formasjonsstyrketester





Faktasider

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Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	160.0	36	161.0	0.00	LOT
INTERM.	13 3/8	1096.0	17 1/2	1100.0	1.99	LOT
INTERM.	9 5/8	3234.0	12 1/4	3236.0	1.94	LOT
LINER	7	4525.0	8 1/2	4525.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
687	1.60	28.0	3.8	WATER BASED	14.01.1992
817	1.59	30.0	4.8	WATER BASED	14.01.1992
1100	1.08			WATER BASED	15.11.1991
1100	1.07			WATER BASED	19.11.1991
1100	1.08			WATER BASED	13.11.1991
1100	1.08			WATER BASED	15.11.1991
1100	1.07	54.0	15.4	WATER BASED	19.11.1991
1100	1.03			WATER BASED	19.11.1991
1101	1.40	32.0	9.1	WATER BASED	20.11.1991
1250	1.45	29.0	8.2	WATER BASED	20.11.1991
1636	1.57	32.0	8.6	WATER BASED	20.11.1991
1763	1.60	35.0	8.6	OIL BASED	21.11.1991
2023	1.60	41.0	9.1	WATER BASED	22.11.1991
2172	1.60	41.0	7.7	WATER BASED	25.11.1991
2290	1.60	45.0	9.6	WATER BASED	25.11.1991
2502	1.60	43.0	9.1	WATER BASED	25.11.1991
2710	1.60	44.0	8.2	WATER BASED	26.11.1991
2864	1.60	41.0	7.7	WATER BASED	27.11.1991
2906	1.60	44.0	8.2	WATER BASED	28.11.1991
3002	1.60	43.0	9.2	WATER BASED	29.11.1991
3060	1.60	49.0	10.6	WATER BASED	02.12.1991
3119	1.60	40.0	9.1	WATER BASED	02.12.1991
3128	1.57	47.0	7.2	WATER BASED	14.01.1992
3128	1.57	40.0	6.7	WATER BASED	14.01.1992
3162	1.60	49.0	10.6	WATER BASED	02.12.1991
3242	1.60	47.0	10.8	WATER BASED	04.12.1991
3242	1.60	45.0	9.3	WATER BASED	05.12.1991
3242	1.61	61.0	13.4	WATER BASED	05.12.1991



Faktasider

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3242	1.61	44.0	10.6	WATER BASED	06.12.1991
3313	1.30	35.0	12.0	WATER BASED	09.12.1991
3366	1.55	42.0	13.0	WATER BASED	09.12.1991
3420	1.55	38.0	11.0	WATER BASED	09.12.1991
3572	1.55	43.0	12.0	WATER BASED	11.12.1991
3695	1.55	40.0	11.0	WATER BASED	12.12.1991
3721	1.55	40.0	11.0	WATER BASED	12.12.1991
3772	1.55	43.0	11.5	WATER BASED	13.12.1991
3817	1.55	40.0	10.6	WATER BASED	16.12.1991
3900	1.55	37.0	8.6	WATER BASED	16.12.1991
3954	1.55	46.0	11.5	WATER BASED	16.12.1991
3992	1.55	43.0	10.1	WATER BASED	17.12.1991
4092	1.57	51.0	10.6	WATER BASED	09.01.1992
4121	1.55	44.0	11.0	WATER BASED	18.12.1991
4193	1.55	43.0	10.6	WATER BASED	19.12.1991
4221	1.55	42.0	10.6	WATER BASED	20.12.1991
4244	1.56	41.0	9.1	WATER BASED	23.12.1991
4272	1.55	44.0	9.6	WATER BASED	23.12.1991
4277	1.55	41.0	9.1	WATER BASED	23.12.1991
4287	1.55	42.0	9.6	WATER BASED	27.12.1991
4328	1.55	48.0	11.0	WATER BASED	27.12.1991
4424	1.55	49.0	11.5	WATER BASED	27.12.1991
4443	1.55	52.0	13.4	WATER BASED	27.12.1991
4443	1.55	49.0	12.0	WATER BASED	30.12.1991
4443	1.55	50.0	13.0	WATER BASED	30.12.1991
4525	1.55	50.0	12.0	WATER BASED	30.12.1991
4525	1.55	49.0	10.6	WATER BASED	06.01.1992
4525	1.55	42.0	8.6	WATER BASED	06.01.1992
4525	1.55	49.0	10.6	WATER BASED	06.01.1992
4525	1.55	48.0	10.6	WATER BASED	06.01.1992
4525	1.55	42.0	8.6	WATER BASED	06.01.1992
4525	1.55	48.0	10.6	WATER BASED	06.01.1992
4525	1.55	42.0	8.6	WATER BASED	06.01.1992
4525	1.55	53.0	10.6	WATER BASED	08.01.1992
4525	1.55	48.0	10.6	WATER BASED	06.01.1992
4525	1.55	49.0	10.6	WATER BASED	06.01.1992
4525	1.57	57.0	13.0	WATER BASED	07.01.1992

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]
1865 Formation pressure (Formasjonstrykk)	PDF	0.22

