



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 13:50

Brønnbane navn	6406/12-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6406/12-2
Seismisk lokalisering	ST 9302- INLINE 1048 & CROSSLINE 2289
Utvinningstillatelse	157
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	824-L
Boreinnretning	DEEPSEA BERGEN
Boredager	47
Borestart	01.09.1995
Boreslutt	17.10.1995
Frigitt dato	17.10.1997
Publiseringsdato	24.09.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	334.0
Totalt målt dybde (MD) [m RKB]	4367.0
Totalt vertikalt dybde (TVD) [m RKB]	4363.0
Maks inklinasjon [°]	5.9
Temperatur ved bunn av brønnbanen [°C]	146
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	MELKE FM
Geodetisk datum	ED50
NS grader	64° 6' 13.08" N
ØV grader	6° 51' 43.06" E
NS UTM [m]	7110486.95
ØV UTM [m]	395821.02
UTM sone	32
NPDID for brønnbanen	2640



Brønnhistorie

General

Well 6406/12-2 is located approximately mid way between the Njord Field and the small 6406/11-1 S oil discovery. The main objective of the well was to prove oil accumulation in Upper Jurassic Sandstones in the Lambda prospect.

Operations and results

Exploration well 6406/12-2 was spudded with the semi-submersible installation "Deepsea Bergen" on 1 September 1995 and drilled to a total depth of 4367 m in Middle Jurassic Melke Formation sandstones. The well was drilled with Bentonite / CMC EHV down to 917 m, with "ANCO 2000" mud from 917 m to 2316 m, and with oil based "ANCOVERT" from 2316 m to TD.

Drilling performance was good down to 3731 m but very low penetration rate was experienced below this level to TD due to very hard formation.

Three cores were cut, one in Spekk Formation (shale), one in Rogn Formation II and one in Melke Formation. One FMT run was performed in the Rogn and Melke sandstone sections. The FMT log was run with sample chambers to collect a sample of the formation fluid if possible. All the pressure points showed tight formation. The well was permanently abandoned on 17 October 1995 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
930.00	4367.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3731.0	3758.4	[m]
2	3797.0	3823.7	[m]
3	3999.0	4006.2	[m]

Total kjerneprøve lengde [m]	61.3
Kjerner tilgjengelig for prøvetaking?	YES



Kjernebilder



3731-3736m



3736-3741m



3741-3746m



3746-3751m



3751-3756m



3756-3758m



3797-3802m



3802-3807m



3807-3812m



3812-3817m



3817-3822m



3822-3823m



3999-4004m



4004-4006m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1600.0	[m]	DC	UOS
1620.0	[m]	DC	UOS
1640.0	[m]	DC	UOS
1660.0	[m]	DC	UOS
1680.0	[m]	DC	UOS
1700.0	[m]	DC	UOS
1720.0	[m]	DC	UOS
1740.0	[m]	DC	UOS
1760.0	[m]	DC	UOS
1780.0	[m]	DC	UOS
1800.0	[m]	DC	UOS
1820.0	[m]	DC	UOS
1830.0	[m]	DC	UOS



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1850.0	[m]	DC	UOS
1870.0	[m]	DC	UOS
1890.0	[m]	DC	UOS
2170.0	[m]	DC	UOS
2190.0	[m]	DC	UOS
2210.0	[m]	DC	UOS
2230.0	[m]	DC	UOS
2250.0	[m]	DC	UOS
2270.0	[m]	DC	UOS
2290.0	[m]	DC	UOS
2310.0	[m]	DC	UOS
2340.0	[m]	DC	UOS
2350.0	[m]	SWC	WESTL
2360.0	[m]	DC	UOS
2370.0	[m]	DC	UOS
2390.0	[m]	DC	UOS
2410.0	[m]	DC	UOS
2430.0	[m]	DC	UOS
2450.0	[m]	DC	UOS
2470.0	[m]	DC	UOS
2480.0	[m]	SWC	WESTL
2490.0	[m]	DC	UOS
2510.0	[m]	DC	UOS
2530.0	[m]	DC	UOS
2550.0	[m]	DC	UOS
2570.0	[m]	DC	UOS
2580.0	[m]	DC	UOS
2600.0	[m]	DC	UOS
2620.0	[m]	DC	UOS
2640.0	[m]	DC	UOS
2660.0	[m]	DC	UOS
2680.0	[m]	DC	UOS
2690.0	[m]	DC	UOS
2710.0	[m]	DC	UOS
2730.0	[m]	DC	UOS
2750.0	[m]	DC	UOS
2770.0	[m]	DC	UOS
2790.0	[m]	DC	UOS
2810.0	[m]	DC	UOS
2830.0	[m]	DC	UOS



Faktasider

Brønnbane / Leting

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2850.0	[m]	DC	UOS
2870.0	[m]	DC	UOS
2890.0	[m]	DC	UOS
2910.0	[m]	DC	UOS
2930.0	[m]	DC	UOS
2950.0	[m]	DC	UOS
2970.0	[m]	DC	UOS
2990.0	[m]	DC	UOS
3010.0	[m]	DC	UOS
3030.0	[m]	DC	UOS
3050.0	[m]	DC	UOS
3070.0	[m]	DC	UOS
3090.0	[m]	DC	UOS
3110.0	[m]	DC	UOS
3140.0	[m]	DC	UOS
3160.0	[m]	DC	UOS
3180.0	[m]	DC	UOS
3200.0	[m]	DC	UOS
3220.0	[m]	DC	UOS
3240.0	[m]	DC	UOS
3260.0	[m]	DC	UOS
3280.0	[m]	DC	UOS
3300.0	[m]	SWC	WESTL
3300.0	[m]	DC	UOS
3320.0	[m]	DC	UOS
3340.0	[m]	DC	UOS
3360.0	[m]	DC	UOS
3380.0	[m]	DC	UOS
3400.0	[m]	DC	UOS
3405.0	[m]	SWC	WESTL
3420.0	[m]	DC	UOS
3440.0	[m]	DC	UOS
3460.0	[m]	DC	UOS
3480.0	[m]	DC	UOS
3520.0	[m]	DC	UOS
3540.0	[m]	DC	UOS
3560.0	[m]	DC	UOS
3568.0	[m]	SWC	WESTL
3580.0	[m]	DC	UOS
3600.0	[m]	DC	UOS



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3620.0	[m]	DC	UOS
3635.0	[m]	SWC	WESTL
3640.0	[m]	DC	UOS
3650.0	[m]	DC	UOS
3670.0	[m]	DC	UOS
3680.0	[m]	DC	UOS
3690.0	[m]	DC	UOS
3700.0	[m]	DC	UOS
3703.0	[m]	DC	UOS
3709.0	[m]	DC	UOS
3715.0	[m]	SWC	WESTL
3721.0	[m]	SWC	WESTL
3731.5	[m]	C	WESTL
3733.6	[m]	C	WESTL
3736.6	[m]	C	WESTL
3739.9	[m]	C	WESTL
3743.9	[m]	C	WESTL
3747.5	[m]	C	WESTL
3751.6	[m]	C	WESTL
3755.7	[m]	C	WESTL
3775.0	[m]	SWC	WESTL
3785.0	[m]	SWC	WESTL
3798.1	[m]	C	WESTL
3802.8	[m]	C	WESTL
3806.3	[m]	C	WESTL
3810.4	[m]	C	WESTL
3813.2	[m]	C	WESTL
3815.5	[m]	C	WESTL
3818.7	[m]	C	WESTL
3870.0	[m]	SWC	WESTL
3909.1	[m]	C	WESTL
3937.0	[m]	SWC	WESTL
3950.0	[m]	SWC	WESTL
3957.0	[m]	SWC	WESTL
3990.0	[m]	SWC	WESTL
4002.0	[m]	C	WESTL
4006.2	[m]	C	WESTL
4045.0	[m]	SWC	WESTL
4066.0	[m]	DC	UOS
4078.0	[m]	DC	UOS



4090.0 [m]	DC	UOS
4102.0 [m]	DC	UOS
4111.0 [m]	DC	UOS
4123.0 [m]	DC	UOS
4132.0 [m]	DC	UOS
4141.0 [m]	DC	UOS
4153.0 [m]	DC	UOS
4162.0 [m]	DC	UOS
4174.0 [m]	DC	UOS
4189.0 [m]	DC	UOS
4204.0 [m]	DC	UOS
4216.0 [m]	DC	UOS
4233.0 [m]	SWC	WESTL
4234.0 [m]	DC	UOS
4252.0 [m]	DC	UOS
4264.0 [m]	DC	UOS
4298.0 [m]	SWC	WESTL
4321.0 [m]	DC	UOS
4339.0 [m]	DC	UOS
4357.0 [m]	DC	UOS
4367.0 [m]	DC	UOS

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
357	NORDLAND GP
357	NAUST FM
914	KAI FM
1136	HORDALAND GP
1136	BRYGGE FM
1910	ROGALAND GP
1910	TARE FM
2001	TANG FM
2177	SHETLAND GP
2177	SPRINGAR FM
2446	NISE FM
2796	KVITNOS FM
2954	CROMER KNOLL GP
2954	LANGE FM



3711	VIKING GP
3711	SPEKK FM
3790	ROGN FM
3873	SPEKK FM
3907	ROGN FM
3912	MELKE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
2640	pdf	0.62

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
2640_1	pdf	1.93
2640_2	pdf	1.92
2640_3	pdf	1.91
2640_4	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2640_6406_12_2_COMPLETION_REPORT_AND_LOG	pdf	27.76

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIFL AC ZDL GR	906	2309
DIPL MAC ZDL CN GR CHT	2257	4370
FMT-QD GR CHT	3798	4307
HEXDIP GR CHT	3650	4372
MWD DPR - TF4	3660	3727
MWD DPR - TF5A	2301	3312





MWD DPR - TF5A	3722	4350
MWD RGD	415	2316
SWC	2350	4298
VSP	640	4360

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	418.0	36	418.0	0.00	LOT
SURF.COND.	20	906.0	26	907.0	1.65	LOT
INTERM.	9 5/8	2308.0	12 1/4	2308.0	2.02	LOT
OPEN HOLE		4367.0	8 1/2	4367.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
422	1.03			SEAWATER/BENT.	
2000	1.55	25.0		ANCO 2000	
2300	1.55	26.0		ANCO 2000	
2656	1.60	42.0		ANCO VERT	
3240	1.70	42.0		ANCO VERT	
3672	1.70	46.0		ANCO VERT	
3731	1.70	46.0		ANCO VERT	
3758	1.70			DUMMY	
3797	1.70	45.0		ANCO VERT	
3897	1.70			DUMMY	