



Generell informasjon

Brønnbane navn	6706/11-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6706/11-1
Seismisk lokalisering	3D- ST 9603- INLINE 3840& CROSSLINE 2090
Utvinningstillatelse	217
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	907-L
Boreinnretning	OCEAN ALLIANCE
Boredager	162
Borestart	12.10.1997
Boreslutt	22.03.1998
Frigitt dato	22.03.2000
Publiseringsdato	15.11.2001
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	1238.0
Totalt målt dybde (MD) [m RKB]	4317.0
Totalt vertikalt dybde (TVD) [m RKB]	4306.0
Temperatur ved bunn av brønnbanen [°C]	115
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	LANGE FM
Geodetisk datum	ED50
NS grader	67° 4' 24.77" N
ØV grader	6° 27' 47.7" E
NS UTM [m]	7442018.41
ØV UTM [m]	389745.19
UTM sone	32
NPDID for brønnbanen	3202

**Brønnhistorie****General**

Well 6706/11-1 was drilled on the Ægir prospect on the Vema Dome in the north of the Vøring basin. The main objectives for the well were to test the hydrocarbon potential of the Ægir prospect and to obtain data to allow for efficient exploration of the remaining licence area.

Operations and results

The original well was spudded and drilled to a total depth of 1988 m MD RT, with the 30" casing at 1340 m and 20" casing at 1685 m, respectively. This well was abandoned due to technical problems (no BOP test was obtained). The well was named 6706/11-1Z. The 1st respud was drilled to 1740 m MD RT. The 30" and the 20" casings were set at 1340 m and 1711 m, respectively. Technical problems were again the reason for abandoning this well. A bootstrap tool used to tighten the conductor and the 20" casings got stuck. The 1st re-spud was named 6706/11-1Y. The second and successful re-spud was named 6706/11-1. The well was drilled with seawater and hi-vis pills down to 1648 m and with Barasilc silicate mud from 1648 m to TD. In the section from 2255 m to 3476 m GEM GP (glycols) were added to the Barasilc mud. The Brygge Formation consisted mainly of ooze sediments with very low densities (bulk density of 1.4 g/cm³ was measured). Small fractures/ faults were interpreted in the intersection between Paleocene sandstone and the Springar Formation. It was assumed that the ooze lithology as well as unstable and fractured formation were the predominant cause of the drilling problems that were encountered in the top section of the wellbores.

The dominant part of the sediments proved to be of Cretaceous age. The well intersects a single fault just below the base Quaternary and several faults at base Tertiary level. Both the Nise Sandstone 1 and the Nise Sandstone 2 formations were developed. No significant amounts of hydrocarbons were encountered only small amounts of very dry gas in an MDT sample from 3740 m. Five cores were cut in the NISE Formation. The well was permanently plugged and abandoned as a dry hole.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1660.00	4311.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2297.0	2304.2	[m]
2	2306.5	2323.0	[m]
3	3107.5	3112.0	[m]
4	3112.0	3136.7	[m]
5	3744.0	3749.6	[m]

Total kjerneprøve lengde [m]	58.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2297-2302m



2302-2304m



2306-2311m



2311-2316m



2316-2321m



2321-2323m



3107-3122m



3112-3117m



3117-3122m



3122-3127m



3127-3232m



3132-3136m



3744-3749m



3749-3750m

Palynologiske preparater i Sjøkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1660.0	[m]	DC	RRI
1670.0	[m]	DC	RRI



1690.0	[m]	DC	RRI
1700.0	[m]	DC	RRI
1720.0	[m]	DC	RRI
1730.0	[m]	DC	RRI
1750.0	[m]	DC	RRI
1760.0	[m]	DC	RRI
1780.0	[m]	DC	RRI
1790.0	[m]	DC	RRI
1810.0	[m]	DC	RRI
1830.0	[m]	DC	RRI
1840.0	[m]	DC	RRI
1860.0	[m]	DC	RRI
1870.0	[m]	DC	RRI
1885.0	[m]	DC	RRI
1900.0	[m]	DC	RRI
1920.0	[m]	DC	RRI
1930.0	[m]	DC	RRI
1955.0	[m]	DC	RRI
1960.0	[m]	DC	RRI
1975.0	[m]	DC	RRI
1990.0	[m]	DC	RRI
2005.0	[m]	DC	RRI
2020.0	[m]	DC	RRI
2035.0	[m]	DC	RRI
2050.0	[m]	DC	RRI
2065.0	[m]	DC	RRI
2085.0	[m]	DC	RRI
2090.0	[m]	DC	RRI
2110.0	[m]	DC	RRI
2125.0	[m]	DC	RRI
2140.0	[m]	DC	RRI
2155.0	[m]	DC	RRI
2170.0	[m]	DC	RRI
2185.0	[m]	DC	RRI
2203.0	[m]	DC	RRI
2215.0	[m]	DC	RRI
2230.0	[m]	DC	RRI
2245.0	[m]	DC	RRI
2255.0	[m]	DC	RRI
2266.0	[m]	SWC	OD



2275.0	[m]	DC	RRI
2286.5	[m]	SWC	OD
2295.5	[m]	SWC	OD
2297.7	[m]	C	RRI
2299.0	[m]	C	RRI
2301.0	[m]	C	RRI
2303.0	[m]	C	RRI
2307.3	[m]	C	RRI
2317.5	[m]	C	RRI
2321.0	[m]	C	RRI
2336.0	[m]	DC	RRI
2352.0	[m]	DC	RRI
2366.0	[m]	DC	RRI
2378.0	[m]	DC	RRI
2396.0	[m]	DC	RRI
2408.0	[m]	DC	RRI
2426.0	[m]	DC	RRI
2442.5	[m]	SWC	OD
2450.0	[m]	DC	RRI
2501.0	[m]	DC	RRI
2522.0	[m]	DC	RRI
2534.0	[m]	DC	RRI
2539.5	[m]	SWC	OD
2546.0	[m]	DC	RRI
2555.0	[m]	DC	RRI
2576.0	[m]	DC	RRI
2588.0	[m]	DC	RRI
2602.5	[m]	SWC	OD
2623.0	[m]	SWC	OD
2636.0	[m]	DC	RRI
2654.0	[m]	SWC	OD
2661.0	[m]	SWC	OD
2684.0	[m]	DC	RRI
2692.0	[m]	SWC	OD
2696.0	[m]	DC	RRI
2715.5	[m]	SWC	OD
2722.3	[m]	SWC	OD
2741.5	[m]	SWC	OD
2749.1	[m]	SWC	OD
2756.0	[m]	DC	RRI



2768.0 [m]	DC	RRI
2790.0 [m]	SWC	OD
2801.0 [m]	DC	RRI
2815.5 [m]	SWC	OD
2828.0 [m]	DC	RRI
2843.0 [m]	DC	RRI
2876.0 [m]	DC	RRI
2894.0 [m]	DC	RRI
2900.0 [m]	SWC	OD
2917.0 [m]	SWC	OD
2933.0 [m]	DC	RRI
2943.0 [m]	SWC	OD
2948.0 [m]	DC	RRI
2966.0 [m]	DC	RRI
2981.0 [m]	DC	RRI
2996.0 [m]	DC	RRI
3006.0 [m]	SWC	OD
3026.0 [m]	DC	RRI
3038.0 [m]	DC	RRI
3050.0 [m]	SWC	OD
3071.0 [m]	DC	RRI
3088.0 [m]	SWC	OD
3092.0 [m]	DC	RRI
3102.0 [m]	SWC	OD
3108.4 [m]	C	RRI
3111.0 [m]	C	RRI
3114.0 [m]	C	RRI
3118.0 [m]	C	RRI
3121.5 [m]	C	RRI
3126.0 [m]	C	RRI
3128.0 [m]	C	RRI
3132.0 [m]	C	RRI
3136.3 [m]	C	RRI
3146.0 [m]	DC	RRI
3158.0 [m]	SWC	OD
3176.0 [m]	DC	RRI
3187.2 [m]	SWC	OD
3189.0 [m]	SWC	OD
3200.0 [m]	DC	RRI
3212.0 [m]	DC	RRI



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 04:49

3215.0	[m]	SWC	OD
3230.0	[m]	DC	RRI
3259.0	[m]	SWC	OD
3260.0	[m]	DC	RRI
3280.0	[m]	SWC	OD
3300.0	[m]	SWC	OD
3308.0	[m]	DC	RRI
3323.0	[m]	DC	RRI
3324.0	[m]	SWC	OD
3337.0	[m]	SWC	OD
3353.0	[m]	SWC	OD
3371.0	[m]	DC	RRI
3382.0	[m]	SWC	OD
3408.0	[m]	SWC	OD
3419.0	[m]	SWC	OD
3449.0	[m]	SWC	OD
3453.0	[m]	SWC	OD
3461.0	[m]	DC	RRI
3469.2	[m]	SWC	OD
3476.0	[m]	DC	RRI
3483.0	[m]	SWC	OD
3491.0	[m]	DC	RRI
3505.0	[m]	SWC	OD
3518.0	[m]	DC	RRI
3533.0	[m]	DC	RRI
3534.0	[m]	SWC	OD
3552.0	[m]	DC	RRI
3564.0	[m]	SWC	OD
3579.0	[m]	SWC	OD
3592.3	[m]	SWC	OD
3604.0	[m]	SWC	OD
3615.0	[m]	DC	RRI
3624.0	[m]	SWC	OD
3644.0	[m]	DC	RRI
3647.5	[m]	C	RRI
3656.0	[m]	C	RRI
3665.0	[m]	SWC	OD
3686.0	[m]	DC	RRI
3699.0	[m]	DC	RRI
3716.0	[m]	DC	RRI



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 04:49

3734.5 [m]	SWC	OD
3745.5 [m]	C	RRI
3749.0 [m]	C	RRI
3750.0 [m]	C	RRI
3751.5 [m]	SWC	OD
3760.0 [m]	DC	RRI
3770.0 [m]	DC	RRI
3791.0 [m]	DC	RRI
3794.0 [m]	SWC	OD
3806.0 [m]	DC	RRI
3821.0 [m]	DC	RRI
3833.0 [m]	DC	RRI
3854.0 [m]	SWC	OD
3863.0 [m]	DC	RRI
3874.0 [m]	SWC	OD
3881.0 [m]	DC	RRI
3898.0 [m]	DC	RRI
3909.0 [m]	SWC	OD
3923.0 [m]	DC	RRI
3949.5 [m]	SWC	OD
3960.0 [m]	DC	RRI
3979.0 [m]	SWC	OD
3990.0 [m]	SWC	OD
4009.0 [m]	SWC	OD
4026.0 [m]	C	RRI
4074.0 [m]	SWC	OD
4124.0 [m]	SWC	OD
4133.0 [m]	DC	RRI
4142.0 [m]	DC	RRI
4142.0 [m]	SWC	OD
4197.5 [m]	SWC	OD
4217.5 [m]	SWC	OD
4231.3 [m]	SWC	OD
4238.0 [m]	SWC	OD
4245.0 [m]	SWC	OD
4247.1 [m]	SWC	OD
4252.0 [m]	SWC	OD
4262.5 [m]	SWC	OD
4276.0 [m]	SWC	OD
4287.5 [m]	SWC	OD



4296.0	[m]	SWC	OD
4317.0	[m]	SWC	OD

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
1264	NORDLAND GP
1264	NAUST FM
1446	HORDALAND GP
1446	BRYGGE FM
1670	ROGALAND GP
1744	SHETLAND GP
1744	SPRINGAR FM
2060	NISE FM
2283	DELFIN FM (INFORMAL)
3005	NISE FM
3101	DELFIN FM (INFORMAL)
3469	NISE FM
3865	KVITNOS FM
4138	CROMER KNOLL GP
4138	LYSING FM
4221	LANGE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
3202	pdf	0.62

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
3202_1	pdf	1.06
3202_2	pdf	2.30
3202_3	pdf	0.37
3202_4	pdf	1.03





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
3202_6706_11_1_COMPLETION_LOG	pdf	3.51
3202_6706_11_1_COMPLETION_REPORT	pdf	46.50

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL GR	1550	1980
CST GR	2266	4142
DIR	1264	1343
DPR PWD	1341	1641
DPR PWD	1844	4317
DSI LDT NGT	1908	2220
FMI GR	2275	4231
MDT GR	2287	3193
MDT GR	3102	4215
PEX HALS DSI NGT	2243	3320
PEX HALS DSI NGT	3200	4229
PEX HALS DSI NGT	3700	4315
PWD - GR RES DIR	1660	1924
RFT GR	2288	2290

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	1340.0	36	1343.0	0.00	LOT
SURF.COND.	20	1431.0	26	1445.0	1.15	LOT
LINER	16	1908.0	17 1/2	1911.0	1.26	LOT
LINER	9 5/8	2246.0	14 3/4	2250.0	1.36	LOT
OPEN HOLE		4317.0	8 1/2	4317.0	0.00	LOT

Boreslam





Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1264	1.02			spud mud	
1341	1.05			spud mud	
1641	1.13	6.0	4.5	barasilc	
1907	1.11	6.0	4.0	barasilc	
1933	1.20	22.0	9.5	sea water	
2246	1.26	27.5	12.0	barasilc	
4317	1.26	27.5	12.0	barasilc	

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]
3202_Formation_pressure_(Formasjonstrykk)	pdf	0.29

