



Generell informasjon

Brønnbane navn	25/2-8
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	ØST FRIGG
Funn	25/2-1 Øst Frigg
Brønn navn	25/2-8
Seismisk lokalisering	EL 8305-201R OG EL 835-406
Utvinningstillatelse	026
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	420-L
Boreinnretning	LE PELERIN
Boredager	45
Borestart	18.06.1984
Boreslutt	01.08.1984
Frigitt dato	01.08.1986
Publiseringsdato	18.05.2004
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	EOCENE
1. nivå med hydrokarboner, formasjon.	FRIGG FM
Avstand, boredekk - midlere havflate [m]	12.0
Vanndybde ved midlere havflate [m]	106.0
Totalt målt dybde (MD) [m RKB]	2380.0
Totalt vertikalt dybde (TVD) [m RKB]	2380.0
Maks inklinasjon [°]	2
Temperatur ved bunn av brønnbanen [°C]	73
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	LISTA FM
Geodetisk datum	ED50
NS grader	59° 54' 45.14" N



ØV grader	2° 20' 27.62" E
NS UTM [m]	6642009.40
ØV UTM [m]	463144.40
UTM sone	31
NPDID for brønnbanen	131

Brønnhistorie

General

The appraisal well 25/2-8 was drilled on the East Frigg Field. The main objectives of the well were to obtain a better estimation of the gas reserves on East Frigg and good pressure data in both the Frigg sand and the Paleocene sand. To achieve better knowledge about the petrophysical characteristics of the different reservoirs, it was decided to core the Frigg sand, the shaly member, the tuff zone and the Paleocene sand.

Operations and results

The well was spudded with the drill ship Le Pelerin on 18 June 1984 and drilled to TD at 2380 m in the Lower Paleocene Lista Formation. Problems due to tight hole occurred in the 12 1/4" hole section. The pipe got stuck at 1397 m, but was worked free. Problems pressure testing the BOP occurred with hole depth at 1745 m. A cement plug was set from 1000 m to 890 m due to the BOP problems. The core barrel was lost in the hole when pulling out of the hole with core no 9. The fish was recovered. The well was drilled using a water-based mud.

The Frigg sand was reached as prognosed at 1917.5 m. This formation is 283 m thick with a 48.5 m hydrocarbon bearing column: gas from 1917.5 m to 1957 m and oil from 1957 to 1966 m. Below this level was 18 m of residual oil. Shows were detected on cores and cuttings down to 2040 m. Balder formation (Paleocene) was reached at 2201 m with several Intra Balder Formation Sandstones. RFT pressure measurements in the Frigg sand and Intra Balder Formation Sandstone indicated that there is no direct fluid communication between the two formations. RFT segregated fluid samples were recovered from 2259 m in Intra Balder Formation Sandstone and at 1956.7 m and 1993 m in the Frigg Formation. The Intra Balder Formation Sandstone sample and the deeper Frigg sample recovered only water and mud filtrate and no gas, while the upper Frigg Sample recovered mud filtrate with traces of oil and about one litre of gas. Nine cores were cut, seven in the Eocene and two in the Paleocene sequence. The well was permanently abandoned as an oil and gas appraisal on 1 August 1984.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
200.00	2380.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1919.5	1926.0	[m]
2	1925.0	1931.8	[m]
3	1933.6	1939.0	[m]
4	1975.0	1982.0	[m]
5	2076.0	2084.1	[m]
6	2186.0	2193.5	[m]
7	2193.8	2200.0	[m]
8	2200.0	2209.0	[m]

Total kjerneprøve lengde [m]	56.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



1919-1920m



1920-1922m



1922-1924m



1925-1926m



1925-1927m



1927-1930m



1930-1932m



1932-1933m



1933-1935m



1935-1938m



1938-1941m



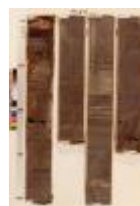
1975-1977m



1978-1980m



1980-1983m



2075-2078m



2078-2081m



2081-2084m



2185-2186m



2186-2188m



2188-2192m



2192-2195m



2195-2199m



2199-2201m



2201-2204m



2204-2208m



2208-2211m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
118	NORDLAND GP
425	UTSIRA FM
451	NO FORMAL NAME
951	HORDALAND GP
1015	GRID FM
1125	NO FORMAL NAME
1918	FRIGG FM
2201	ROGALAND GP
2201	BALDER FM
2202	INTRA BALDER FM SS
2206	BALDER FM
2222	INTRA BALDER FM SS
2229	BALDER FM
2232	INTRA BALDER FM SS
2242	BALDER FM



2257	INTRA BALDER FM SS
2271	BALDER FM
2278	INTRA BALDER FM SS
2294	SELE FM
2306	LISTA FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
131	pdf	0.40

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
131_01_WDSS_General_Information	pdf	0.21
131_02_WDSS_completion_log	pdf	0.22

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
131_25_2_8_COMPLETION_REPORT	PDF	0.68
131_25_2_8_COMPOSITE_LOG	pdf	1.13

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BGT	180	1064
CBL VDL CCL	125	1050
CST	1955	2268
HDT GR	1050	2380
LDL CAL GR	180	1064
LDL CNL CAL GR	0	0
LDL CNL CAL GR	1050	2380
MSFL DLL CAL GR	1890	2260
RFT HP GR	1922	2290





RFT HP GR	1924	2016
RFT HP GR	1940	1965
SLS DIL SFL SP GR	1050	2380
SLS ISF CAL GR	1690	2040
SLS ISF SP GR	180	1064

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	180.5	36	181.0	1.03	LOT
SURF.COND.	13 3/8	1050.0	17 1/2	1065.0	1.43	LOT
OPEN HOLE		2380.0	12 1/4	2380.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
905	1.09	20.0	16.0	WATER BASED	25.06.1984
1000	1.09	20.0	16.0	WATER BASED	25.06.1984
1065	1.10	20.0	16.0	WATER BASED	27.06.1984
1204	1.11	41.0	22.0	WATER BASED	03.07.1984
1272	1.16	41.0	22.0	WATER BASED	03.07.1984
1390	1.17	31.0	22.0	WATER BASED	04.07.1984
1442	1.20	29.0	24.0	WATER BASED	05.07.1984
1603	1.23	29.0	20.0	WATER BASED	06.07.1984
1745	1.25	28.0	18.0	WATER BASED	06.07.1984
1745	1.25	38.0	28.0	WATER BASED	10.07.1984
1745	1.25	33.0	9.3	WATER BASED	12.07.1984
1919	1.27	32.0	9.8	WATER BASED	13.07.1984
1924	1.28	31.0	7.8	WATER BASED	17.07.1984
1927	1.28	29.0	7.9	WATER BASED	16.07.1984
1943	1.28	30.0	7.9	WATER BASED	16.07.1984
2016	1.28	31.0	7.8	WATER BASED	17.07.1984
2020	1.28	29.0	7.9	WATER BASED	16.07.1984
2075	1.28	26.0	6.8	WATER BASED	18.07.1984
2153	1.28	28.0	6.8	WATER BASED	19.07.1984
2188	1.28	28.0	8.0	WATER BASED	20.07.1984
2201	1.28	31.0	7.8	WATER BASED	24.07.1984



2270	1.28	30.0	8.8	WATER BASED	24.07.1984
2328	1.28	30.0	7.8	WATER BASED	24.07.1984
2360	1.30	32.0	9.8	WATER BASED	24.07.1984
2380	1.30	30.0	9.8	WATER BASED	25.07.1984

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]
131 Formation pressure (Formasjonstrykk)	pdf	0.22

