



Generell informasjon

Brønnbane navn	25/2-9
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	25/2-9
Seismisk lokalisering	EL 8403 - 410 SP. 270
Utvinningstillatelse	026
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	470-L
Boreinnretning	NORTRYM
Boredager	40
Borestart	15.06.1985
Boreslutt	24.07.1985
Frigitt dato	24.07.1987
Publiseringsdato	17.12.2003
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]	25.0
Vanndybde ved midlere havflate [m]	112.5
Totalt målt dybde (MD) [m RKB]	2297.0
Totalt vertikalt dybde (TVD) [m RKB]	2297.0
Temperatur ved bunn av brønnbanen [°C]	57
Eldste penetrerte alder	EOCENE
Eldste penetrerte formasjon	BALDER FM
Geodetisk datum	ED50
NS grader	59° 53' 10.16" N
ØV grader	2° 22' 15.09" E



NS UTM [m]	6639054.92
ØV UTM [m]	464786.03
UTM sone	31
NPDID for brønnbanen	477

Brønnhistorie

General

Well 25/2-9 was designed to drill an assumed top in the eastern part of the Frigg East Beta structure, one of the Frigg Satellites, discovered by well 25/2-1 in 1973. The main objects of this well was to reveal petrophysical characteristics in an area where development wells could be located, to appraise the gas column height and gas in place, to get static formation pressure in order to estimate communication with the main Frigg field, and to obtain cores from the upper part of the Frigg Formation and the Balder formation for static and dynamic petrophysical measurements. Prognosed depth of the Frigg Formation was 1922 m, and planned TD was 2450 m.

Operations and results

Appraisal well 25/2-9 was spudded with Golar Nor Offshore A/S semi-submersibel rig Nortrym on 14 June 1985 and completed 24 July 1985 at a depth of 2297 m in the Paleocene Balder Formation. At 2297 m 800 l/min of mud was lost due to a leakage between 13 3/4" casing and 20" casing. The 9 5/8" casing was set to 888 m and the well was gradually brought under control. During this operation a part of the under-reamer was lost into the hole, and fishing went on for two days.

Top Frigg came in at 1935 m with hydrocarbons from 1935.9 m. Gas/oil contact was encountered at 1960 m, and an oil/water contact at 1972 m with brown oil stain on cuttings down to 2008 m. A total of 12 cores were cut with a total length of 214.25 m with 86% recovery. Ten cores were cut from 1939 m to 2145 m in the upper Frigg Formation, across the hydrocarbon bearing zone and all fluid contacts and two cores were cut from 2220 m to 2256 m in the tuffaceous Balder Formation. The cores consisted mainly of sands, more or less consolidated.

The well was plugged and abandoned as an oil and gas discovery.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
200.00	2292.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1939.4	1957.0	[m]
2	1959.6	1985.0	[m]
3	1987.6	2013.0	[m]
4	2015.3	2033.0	[m]
5	2034.0	2036.8	[m]
6	2060.8	2074.0	[m]
8	2080.0	2103.3	[m]
9	2107.0	2117.9	[m]
11	2220.0	2236.9	[m]
12	2238.2	2255.0	[m]

Total kjerneprøve lengde [m]	170.1
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



1939-1942m



1942-1945m



1945-1951m



1946-1948m



1955-1952m



1952-1955m



1955-1957m



1959-1963m



1962-1967m



1963-1966m



1969-1971m



1971-1974m



1974-1978m



1978-1981m



1981-1984m



1985-1986m



1987-1990m



1990-1993m



1994-1997m



1997-2000m



2004-2007m



2007-2009m



2010-2012m



2015-2021m



2016-2019m



2022-2025m



2025-2028m



2028-2031m



2031-2032m



2033-2034m



2034-2036m



2060-2063m



2063-2067m



2067-2070m



2070-2073m



2074-2074m



2080-2083m



2083-2089m



2084-2091m



2089-2094m



2093-2101m



2097-2100m



2100-2104m



2102-2103m



2107-2119m



2111-2115m



2115-2117m



2143-2144m



2220-2224m



2224-2227m



2228-2232m



2232-2236m



2238-2242m



2242-2246m



2246-2250m



2250-2254m



2255-2256m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
137	NORDLAND GP
447	UTSIRA FM
483	NO FORMAL NAME
968	HORDALAND GP
1104	SKADE FM
1125	NO FORMAL NAME
1935	FRIGG FM
2223	ROGALAND GP
2223	BALDER FM
2251	INTRA BALDER FM SS
2256	BALDER FM
2259	INTRA BALDER FM SS
2262	BALDER FM
2269	INTRA BALDER FM SS
2272	BALDER FM



Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
477	pdf	0.33

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
477 01 WDSS General Information	pdf	0.28
477 02 WDSS completion log	pdf	0.19

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDT	135	887
CST	0	0
DISFL LSSS GR	197	2295
HDT	1880	2296
LDT CNL GR AMS	197	2294
RFT	0	0
SHDT	1800	2296
VSP	197	2295

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	197.0	36	202.0	0.00	LOT
INTERM.	13 3/8	987.0	17 1/2	1002.0	1.37	LOT
INTERM.	9 5/8	2297.0	12 1/4	2297.0	0.00	LOT

Boreslam





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 08:05

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
198	1.06			WATER BASED	17.06.1985
202	1.05			WATER BASED	17.06.1985
602	1.06			WATER BASED	18.06.1985
908	1.10	28.0	11.0	WATER BASED	18.06.1985
1002	1.19	28.0	20.0	WATER BASED	21.06.1985
1002	1.10	28.0	19.0	WATER BASED	21.06.1985
1002	1.19	28.0	20.0	WATER BASED	21.06.1985
1010	1.06	32.0	8.0	WATER BASED	24.06.1985
1300	1.16	38.0	10.0	WATER BASED	24.06.1985
1525	1.19	38.0	11.0	WATER BASED	25.06.1985
1783	1.20	40.0	12.0	WATER BASED	26.06.1985
1933	1.23	34.0	8.0	WATER BASED	26.06.1985
1946	1.24	31.0	8.0	WATER BASED	27.06.1985
1987	1.24	30.0	7.0	WATER BASED	28.06.1985
2034	1.26	32.0	7.0	WATER BASED	01.07.1985
2034	1.26	32.0	7.0	WATER BASED	28.06.1985
2034	1.26	32.0	7.0	WATER BASED	01.07.1985
2060	1.26	31.0	6.0	WATER BASED	01.07.1985
2075	1.26	33.0	7.0	WATER BASED	02.07.1985
2076	1.26	35.0	10.0	WATER BASED	04.07.1985
2107	1.27	41.0	10.5	WATER BASED	08.07.1985
2120	1.27	38.0	12.5	WATER BASED	08.07.1985
2145	1.27	41.0	13.5	WATER BASED	08.07.1985
2227	1.27	40.0	13.0	WATER BASED	08.07.1985
2256	1.27	41.0	11.0	WATER BASED	09.07.1985
2297	1.27	38.0	11.0	WATER BASED	10.07.1985
2297	1.27	36.0	9.0	WATER BASED	14.07.1985
2297	1.28	35.0	8.0	WATER BASED	16.07.1985
2297	1.29	36.0	8.0	WATER BASED	16.07.1985
2297	1.29	44.0	8.0	WATER BASED	17.07.1985
2297	1.30	50.0	12.0	WATER BASED	20.07.1985
2297	1.27	36.0	9.0	WATER BASED	14.07.1985
2297	1.28	35.0	8.0	WATER BASED	16.07.1985
2297	1.29	36.0	8.0	WATER BASED	16.07.1985
2297	1.29	44.0	8.0	WATER BASED	17.07.1985
2297	1.30	50.0	12.0	WATER BASED	20.07.1985



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]
477 Formation pressure (Formasjonstrykk)	pdf	0.21

