



Generell informasjon

Brønnbane navn	25/2-6
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	HUGIN
Funn	25/2-5 Lille Frøy
Brønn navn	25/2-6
Seismisk lokalisering	
Utvinningstillatelse	026
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	180-L
Boreinnretning	POLYGLOMAR DRILLER
Boredager	107
Borestart	01.08.1977
Boreslutt	15.11.1977
Frigitt dato	15.11.1979
Publiseringsdato	01.12.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	117.0
Totalt målt dybde (MD) [m RKB]	3750.0
Temperatur ved bunn av brønnbanen [°C]	104
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SMITH BANK FM
Geodetisk datum	ED50
NS grader	59° 45' 33.55" N
ØV grader	2° 33' 5.96" E
NS UTM [m]	6624847.15
ØV UTM [m]	474809.83
UTM sone	31
NPDID for brønnbanen	358



Brønnhistorie

General

Exploration well 25/2-6 was located in the Viking Graben on the same main structure as well 25/2-5 targeting the Jurassic were oil bearing, while the Statfjord sands gave good oil shows. 25/2-6 was drilled on the northwestern flank of a structure that was about ten years later discovered as the Frøy Field.

The well is Type Well for the Hermod Formation.

Operations and results

The well was spudded with the semi-submersible installation Polyglomar Driller on 1 August 1977 and drilled to TD at 3750 m in the Triassic Smith Bank Formation.

The well penetrated two Paleocene sands, the Hermod Formation from 2221 m to 2361 m and the Ty Formation from 2563 m to 2631 m. No shows were recorded in these sands. The Jurassic contained two major sandy but somewhat heterolithic sequences in the Vestland Group and Statfjord Formation.

Four conventional cores were cut in the well, one from 3159.6 m to 3165 m in the Heather Formation, two from 3253.4 m to 3271.8 m in the Hugin and Sleipner formations, and one from 3509.7 m to 3518.9 m in the Statfjord Formation. Good oil shows were recorded on the lower part of the Statfjord core. An extensive pressure and fluid sampling programme was carried out in the Jurassic with 19 RFT samples from the interval 3242.5 m in the Vestland Group and 24 RFT samples and four FIT samples from the interval 3505.1 m to 3648 m in the Statfjord Formation. Fluid samples were taken from four depths in the Sleipner and Hugin formations (3243.3 m, 3257.8 m, 3267.5 m, and 3286 m). Only one of the samples (3286 m) recovered fluid that was representative for the formation and this sample contained water with dissolved gas. In the Statfjord Formation Test No. 28 at 3563 m recovered after 7 minutes 2 litres of oil, 7 litres of gas, and 1.5 litres of emulsion. Test No. 38 at 3568,3 m recovered 0,35 litres of oil, 110 litres of gas, and 2,65 litres of mud and filtrate. From the test results, the log analysis, and fluorescence on sidewall cores, the Statfjord formation was found oil-bearing in a good sand interval from 3559 m to 3571 m.

The well was permanently abandoned on 15 November 1977 as an appraisal well for the Lille Frøy Discovery and with minor oil in the Statfjord formation.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
200.00	3756.00
Borekaks tilgjengelig for prøvetaking?	NO



Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3159.6	3165.1	[m]
2	3253.4	3262.4	[m]
3	3262.4	3271.8	[m]
4	3509.7	3518.7	[m]

Total kjerneprøve lengde [m]	32.9
Kjerner tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
RFT		3561.00	0.00	WATER		NO
RFT		3267.00	0.00	WATER		YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
141	NORDLAND GP
500	UTSIRA FM
550	NO FORMAL NAME
897	HORDALAND GP
926	SKADE FM
1096	NO FORMAL NAME
1403	GRID FM
1491	NO FORMAL NAME
2148	ROGALAND GP
2148	BALDER FM
2209	SELE FM
2221	HERMOD FM
2361	LISTA FM
2463	VÅLE FM
2563	TY FM



2631	SHETLAND GP
2631	HARDRÅDE FM
2931	KYRRE FM
3021	TRYGGVASON FM
3083	VIKING GP
3083	DRAUPNE FM
3137	HEATHER FM
3241	VESTLAND GP
3241	HUGIN FM
3257	SLEIPNER FM
3317	DUNLIN GP
3504	STATFJORD GP
3705	NO GROUP DEFINED
3705	SMITH BANK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
358	pdf	0.43

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
358 1	pdf	0.82
358 1 Organisk geokjemi 25 2 6	PDF	0.13
358 2 Organic geochemistry of the Jurassic series well 25 2 6	PDF	4.92

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
358_01_WDSS_General_Information	pdf	0.45

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
358 1 Geological well prognosis	pdf	48.39
358 2 Geological completion report	PDF	5.04
358 3 Drilling program	pdf	14.67
358 4 Completion Report and Completion I og	pdf	2.84

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC GR	2824	3104
BHC GR	3000	3135
BHC GR	3128	3218
BHC GR ISF	3128	3356
BHC GR ISF	3325	3542
CAL	3128	3750
CBL	516	847
CBL	1575	2824
CBL	2450	3144
CBL	2589	3201
DLL MSFL	3225	3745
FDC GR CNL	3127	3356
GR SPEC	3128	3750
HDT	742	3747
ID	742	2834
ID	750	4625
ISF	2825	3135
ISF	3128	3799
ISF SL GR	141	712
VELOCITY	0	0

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	190.0	36	190.0	0.00	LOT
SURF.COND.	20	750.0	26	750.0	0.00	LOT
INTERM.	13 3/8	2824.0	17 1/2	2839.0	0.00	LOT





INTERM.	9 5/8	3126.0	12 1/4	3135.0	0.00	LOT
OPEN HOLE		3750.0	8 1/2	3750.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
190	1.07			spud mud	
712	1.07	60.0		water based	
1858	1.16	37.0		water based	
2839	1.25	45.0		water based	
3071	1.30	58.0		water based	
3750	1.35	55.0		water based	

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]
358 Formation pressure (Formasjonstrykk)	pdf	0.23

