



Generell informasjon

Brønnbane navn	25/1-5
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	FRIGG
Funn	25/1-1 Frigg
Brønn navn	25/1-5
Seismisk lokalisering	LINE F9/73 SP.305
Utvinningstillatelse	024
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	136-L
Boreinnretning	DEEPSEA DRILLER
Boredager	51
Borestart	24.07.1975
Boreslutt	12.09.1975
Frigitt dato	12.09.1977
Publiseringsdato	24.09.2015
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]	104.0
Totalt målt dybde (MD) [m RKB]	2259.0
Temperatur ved bunn av brønnbanen [°C]	42
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	BALDER FM
Geodetisk datum	ED50
NS grader	59° 52' 27.92" N
ØV grader	2° 6' 36.99" E
NS UTM [m]	6637915.48
ØV UTM [m]	450183.75



UTM sone	31
NPDID for brønnbanen	351

Brønnhistorie

General

Well 25/1-5 was drilled southeast flank of the main Frigg structure in the North Sea, about 2.25 km from the discovery well 25/1-1. The objectives were to provide data for development of the Frigg Field and calibrate the seismic model.

Operations and results

Appraisal well 25/1-5 was spudded with the semi-submersible installation Deepsea Driller on 24 July 1975 and drilled to TD at 2259 m in the Paleocene Balder Formation. The well was drilled with spud mud down to 464 m, with KCl mud from 464 to TD.

The Frigg sands were encountered at 1907 m. It was 275 m thick with 225 m net sandstone. The Frigg Formation was gas bearing down to the GOC at 1976 m, oil bearing down to an oil/water transition zone down to 1982 m and the oil/water contact at 1987 m. The only shows described in the well were in the Frigg reservoir: "First significant gas increase in drilling was recorded at 1908 m. Sand on cores showed a gas bearing facies, i.e. dry outlook, faint direct yellow fluo but strong cut. Gas ground began to decrease below 1970 m, becoming nil after 2010 m. Strong direct fluo on cuttings and side wall cores was observed from 1970 m to 2010 m."

Two cores were cut in the Frigg Formation. Core 1 was cut from 1914 to 1923 m and core 2 was cut from 1928 to 1937 m. Cores were cut. FIT fluid samples were taken at 1979.6 m (oil and filtrate), 1981 m (oil and filtrate), 1937 m (gas and filtrate), and 1945.5 m (gas and filtrate).

The well was permanently abandoned on 12 September 1975 as an oil and gas appraisal well.

Testing

Two production tests were carried out from the interval 1930 to 1943 m. In the first test, the well produced 3.61 Sm³ condensate and 834000 Sm³ gas/day through a 56/64" choke. In the second test, the well produced 4.364 Sm³ condensate and 967000 Sm³ gas/day through a 74/64" choke.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
547.00	2257.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1914.0	1923.0	[m]
2	1928.0	1932.0	[m]

Total kjerneprøve lengde [m]	13.0
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
129	NORDLAND GP
527	UTSIRA FM
760	HORDALAND GP
1907	FRIGG FM
2182	ROGALAND GP
2182	BALDER FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
351_GCH_1	pdf	0.41
351_GCH_2	pdf	1.25

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
351_01_WDSS_General_Information	pdf	0.26

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
351_00_25_1_5_Well_Testing_Report	PDF	88.13
351_25_1_5_COMPLETION_LOG	pdf	0.89





351 25 1 5 COMPLETION REPORT	pdf	2.98
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Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	1930	1946	22.2
2.0	1928	1937	29.3

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				
2.0				

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0	575	834000			
2.0	675	967000			

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC	1026	2262
CBL	1000	1909
CDM	1025	2264
DLL	1700	2260
FDC CNL	1700	2263
IES	1026	2263
ML MLL	1700	2263
SRS	1025	2261

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	176.0	36	176.0	0.00	





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 19.5.2024 - 22:29

SURF.COND.	20	452.0	26	464.0	0.00	
INTERM.	13 3/8	1028.0	17 1/2	1042.0	0.00	
INTERM.	9 5/8	1908.0	12 1/2	1928.0	0.00	
OPEN HOLE		2262.0	8 1/2	2262.0	0.00	