



Generell informasjon

Brønnbane navn	25/8-6
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	JOTUN
Funn	25/8-5 S Jotun
Brønn navn	25/8-6
Seismisk lokalisering	ES 9403 & INLINE 2306 / CDP 1827
Utvinningstillatelse	027 P
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	813-L
Boreinnretning	VILDKAT EXPLORER
Boredager	40
Borestart	19.05.1995
Boreslutt	27.06.1995
Frigitt dato	27.06.1997
Publiseringsdato	29.08.2003
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	128.0
Totalt målt dybde (MD) [m RKB]	2577.0
Totalt vertikalt dybde (TVD) [m RKB]	2569.5
Maks inklinasjon [°]	13.4
Temperatur ved bunn av brønnbanen [°C]	88
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	EKOFISK FM
Geodetisk datum	ED50



NS grader	59° 28' 18.42" N
ØV grader	2° 20' 15.37" E
NS UTM [m]	6592927.19
ØV UTM [m]	462464.17
UTM sone	31
NPDID for brønnbanen	2573

Brønnhistorie

General

Well 25/8-6 was drilled to appraise the 25/8-5 S Discovery (Jotun) resource base and to confirm the OWC. The well is located close to the crest of the field, close to the western block boundary and PL103, who participated in the well.

The well was drilled as a possible future vertical sub-sea producer.

Operations and results

Appraisal well 25/8-6 was spudded with the semi-submersible installation "Vildkat Explorer" on 19 May 1995 and drilled to TD at 2565 m. The well was drilled with seawater and hi-vis pills down to 1060 m and KCl/glycol mud from 1060 m to TD. Due to bad hole condition it was impossible to get wire line logs below 1460 m. The well was plugged back on 6 June and technically sidetracked (25/8-6T2) from just below the 13 3/8" casing at 1073 m using "Lo-Tox" mineral oil based mud. This well bore built up to 13 3/8" at 1329 m and then dropped back to vertical at 1600 m, the well was kept vertical down through the reservoir. It was drilled to TD at 2577 m in the in the Early Paleocene Ekofisk Formation. Successful wire line logging was achieved in this well bore. The well confirmed oil in the Heimdal Formation with OWC at 2090 m TVD SS (2122.6 m RKB in the technical sidetrack) in clean sand.

Eight cores were cut in the first well bore. Two were cut in shales of the Lista Formation (2054m to 2057 m and 2057 m to 2065 m). Due to very slow coring rate, coring was discontinued and a 12 1/4" hole was drilled down to 2077 m at the next core point. Six cores were subsequently cut in Heimdal Formation sandstone in the interval 2077 m to 2137.5 m. MDT fluid samples were taken in the Heimdal Formation at 2082.2 m (oil), 2122.1 m (oil), 2123.0 m (water + ca 15% oil), 2143.5 m (water), and 2145 m (water). After running TD logs, a string of 10-3/4" x 9-5/8" production casing was run and cemented, and the well was suspended on 27 June 1995 as an oil appraisal and potential future sub sea producer.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1070.00	2565.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

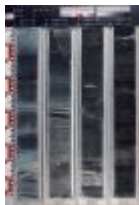
Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2054.0	2056.0	[m]
2	2057.0	2063.5	[m]
3	2077.0	2084.2	[m]
4	2084.5	2096.9	[m]
5	2097.0	2098.9	[m]
6	2100.0	2109.5	[m]
7	2109.5	2119.0	[m]
8	2119.0	2137.5	[m]

Total kjerneprøve lengde [m]	67.4
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2054-2056m



2057-2061m



2061-2063m



2077-2081m



2081-2084m



2084-2088m



2088-2092m



2092-2096m



2096-2097m



2097-2099m



2100-2104m



2104-2108m



2108-2109m



2109-2113m



2113-2117m



2117-2119m



2119-2123m



2123-2127m



2127-2131m



2131-2135m



2135-2137m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1200.0	[m]	DC	STRAT
1320.0	[m]	DC	STRAT
1340.0	[m]	DC	STRAT
1380.0	[m]	DC	STRAT
1400.0	[m]	DC	STRAT
1440.0	[m]	DC	STRAT
1460.0	[m]	DC	STRAT
1480.0	[m]	DC	STRAT
1510.0	[m]	DC	STRAT
1540.0	[m]	DC	STRAT
1560.0	[m]	DC	STRAT
1580.0	[m]	DC	STRAT
1610.0	[m]	DC	STRAT
1640.0	[m]	DC	STRAT
1670.0	[m]	DC	STRAT
1700.0	[m]	DC	STRAT
1730.0	[m]	DC	STRAT
1760.0	[m]	DC	STRAT
1800.0	[m]	DC	STRAT
1840.0	[m]	DC	STRAT
1870.0	[m]	DC	STRAT
1900.0	[m]	DC	STRAT
1965.0	[m]	DC	STRAT



1980.0	[m]	DC	STRAT
2030.0	[m]	DC	STRAT
2054.0	[m]	DC	STRAT
2058.0	[m]	DC	STRAT
2063.0	[m]	DC	STRAT
2078.0	[m]	DC	STRAT
2084.0	[m]	DC	STRAT
2092.0	[m]	DC	STRAT
2107.0	[m]	DC	STRAT
2108.0	[m]	C	RRI
2118.0	[m]	DC	STRAT
2120.0	[m]	C	RRI
2124.0	[m]	C	RRI
2126.0	[m]	C	RRI
2127.0	[m]	DC	STRAT
2128.0	[m]	C	RRI
2136.0	[m]	C	RRI
2137.0	[m]	DC	STRAT
2148.0	[m]	C	RRI
2477.0	[m]	DC	STRAT
2486.0	[m]	DC	STRAT
2495.0	[m]	DC	STRAT
2531.0	[m]	DC	STRAT
2558.0	[m]	DC	STRAT
2565.0	[m]	DC	STRAT

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
153	NORDLAND GP
428	UTSIRA FM
598	NO FORMAL NAME
644	HORDALAND GP
644	SKADE FM
975	NO FORMAL NAME
1185	GRID FM
1310	NO FORMAL NAME
1943	ROGALAND GP
1943	BALDER FM



1996	SELE FM
2034	LISTA FM
2077	HEIMDAL FM
2369	LISTA FM
2455	VÅLE FM
2485	TY FM
2527	SHETLAND GP
2527	EKOFISK FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
2573_1	pdf	0.70

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2573_25_8_6_COMPLETION_REPORT_AND_LOG	pdf	54.72

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT IPL HNGS ACTC PCD	1048	2574
AIT IPL HNGS ACTS	1048	2574
ARI GR	1048	1060
ARI GR	1048	1060
ARI IPL MSFL HNGS ACTS	1048	1460
ARI IPL MSFL HNGS ACTS	1048	1060
CBL VDL CCL GR	1235	2474
CST GR	1069	2549
EPT DSI GR ACTC	1048	2570
LWD - GR RES DEN NEU	2028	2073
LWD - GR RES DEN NEU	2055	2207
LWD - GR RES DEN NEU	2211	2561
MDT GR	2082	2201





MWD - GR RES	212	1055
MWD - GR RES	1048	2039
MWD - GR RES	1073	2258
MWD - GR RES	2258	2503
MWD - GR RES	2503	2571
VSP GR	153	2570

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	214.0	36	215.0	0.00	LOT
SURF.COND.	13 3/8	1048.0	17 1/2	1050.0	0.00	LOT
INTERM.	9 5/8	2577.0	12 1/4	2577.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
194	1.13			DUMMY	
1060	1.32	16.0		WATER BASED	
1063	1.32	17.0		WATER BASED	
1246	1.43	56.0		OIL BASED	
1667	1.43	44.0		OIL BASED	
2054	1.35	25.0		WATER BASED	
2077	1.35	22.0		WATER BASED	
2085	1.35	21.0		WATER BASED	
2100	1.37	22.0		WATER BASED	
2110	1.37	23.0		WATER BASED	
2138	1.37	21.0		WATER BASED	
2200	1.53	31.0		WATER BASED	
2211	1.37	20.0		WATER BASED	
2237	1.43	51.0		OIL BASED	
2320	1.43	47.0		OIL BASED	
2335	1.37	20.0		WATER BASED	
2473	1.37	20.0		WATER BASED	
2500	1.43	43.0		OIL BASED	
2507	1.43	45.0		OIL BASED	
2538	1.43	50.0		OIL BASED	



2565	1.50	28.0		WATER BASED	
2577	1.43	45.0		OIL 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]
2573 Formation pressure (Formasjonstrykk)	pdf	0.22

