



Generell informasjon

Brønnbane navn	25/11-4
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	BALDER
Funn	25/11-1 Balder
Brønn navn	25/11-4
Seismisk lokalisering	line SC -68 sp 6942
Utvinningstillatelse	001
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	49-L
Boreinnretning	GLOMAR GRAND ISLE
Boredager	37
Borestart	15.10.1970
Boreslutt	20.11.1970
Frigitt dato	20.11.1972
Publiseringsdato	30.04.2010
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	10.0
Vanndybde ved midlere havflate [m]	127.0
Totalt målt dybde (MD) [m RKB]	1896.0
Temperatur ved bunn av brønnbanen [°C]	71
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	EKOFISK FM
Geodetisk datum	ED50
NS grader	59° 9' 37.3" N
ØV grader	2° 23' 26.53" E
NS UTM [m]	6558219.15
ØV UTM [m]	465155.95
UTM sone	31
NPDID for brønnbanen	186



Brønnhistorie

General

Well 25/11-4 was drilled ca 2.6 km south-south west of the 25/11-1 Balder discovery well on the Utsira High in the North Sea. The objective was to define the continuity of oil bearing sands of Early Eocene age that were present in 25/11-1 well.

Operations and results

Appraisal well 25/11-4 was spudded with the vessel Glomar Grand Isle on 15 October 1970 and drilled to TD at 1896 m in the Early Paleocene Ekofisk Formation. Drilling operations were normal down to 963 m and at that depth problems with the Hydril necessitated pulling the riser and upper part of the B.O.P. stack. While drilling at 1753 m weather conditions hampered drilling and it was necessary to again pull the riser and upper part of the stack. After losing several days due to weather conditions the well was completed, however, during the midst of the logging operations, storm warnings made it necessary to shorten the program and the planned velocity survey was not made. Initial drilling from the seafloor to 179 m was with sea water and gel. Below 179 to a depth of 948 m, the mud system consisted of seawater, Spersene XP-20 Salinex. From 948 m to TD fresh water Spersene XP-20 mud was used.

The well penetrated the Utsira Formation and several Skade Formation sand units and then entered a ca 500 m thick section of shales belonging to the lower Hordaland Group before top Balder formation was encountered at 1695 m. The Balder Formation (Early Eocene) proved almost void of reservoirs. It was all silty shale except a 4 foot sand section between 1740 and 1742 m. This sand had a good oil stain, bright yellow fluorescence and a bright yellow cut. The only massive reservoir present was the Paleocene Hermod Formation sand from 1792 to 1816 m. This sand had no hydrocarbon shows.

No conventional cores were cut in the well and no wire line fluid sampling was attempted.

The well was permanently abandoned on 20 November 1970 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
405.38	1896.47

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 01:15

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
4290.0	[ft]	DC	
4380.0	[ft]	DC	
4500.0	[ft]	DC	
4590.0	[ft]	DC	
4680.0	[ft]	DC	
4800.0	[ft]	DC	
4890.0	[ft]	DC	
4980.0	[ft]	DC	
5100.0	[ft]	DC	
5190.0	[ft]	DC	
5280.0	[ft]	DC	
5400.0	[ft]	SWC	
5400.0	[ft]	DC	
5428.0	[ft]	SWC	
5460.0	[ft]	SWC	
5490.0	[ft]	DC	
5500.0	[ft]	SWC	
5520.0	[ft]	SWC	
5550.0	[ft]	SWC	
5575.0	[ft]	SWC	
5580.0	[ft]	DC	
5590.0	[ft]	SWC	
5610.0	[ft]	SWC	
5630.0	[ft]	SWC	
5664.0	[ft]	SWC	
5680.0	[ft]	SWC	
5700.0	[ft]	SWC	
5700.0	[ft]	DC	
5730.0	[ft]	DC	
5735.0	[ft]	SWC	
5760.0	[ft]	SWC	
5770.0	[ft]	SWC	
5782.0	[ft]	SWC	
5790.0	[ft]	DC	
5803.0	[ft]	SWC	
5820.0	[ft]	SWC	
5850.0	[ft]	DC	
5855.0	[ft]	SWC	
5875.0	[ft]	SWC	



5876.0	[ft]	SWC	
5880.0	[ft]	DC	
5920.0	[ft]	SWC	
5940.0	[ft]	DC	
5970.0	[ft]	SWC	
5985.0	[ft]	SWC	
6000.0	[ft]	DC	
6025.0	[ft]	SWC	
6030.0	[ft]	DC	
6040.0	[ft]	SWC	
6055.0	[ft]	SWC	
6070.0	[ft]	SWC	
6090.0	[ft]	DC	
6100.0	[ft]	SWC	
6128.0	[ft]	SWC	
6140.0	[ft]	SWC	
6157.0	[ft]	SWC	
6173.0	[ft]	SWC	
6180.0	[ft]	DC	
6182.0	[ft]	SWC	
6210.0	[ft]	DC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
137	NORDLAND GP
636	UTSIRA FM
766	NO FORMAL NAME
792	HORDALAND GP
792	SKADE FM
1203	NO FORMAL NAME
1695	ROGALAND GP
1695	BALDER FM
1740	INTRA BALDER FM SS
1742	BALDER FM
1776	SELE FM
1792	HERMOD FM
1816	SELE FM
1820	LISTA FM



1874	SHETLAND GP
1874	EKOFISK FM

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
186_01_WDSS_General_Information	pdf	0.15

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
186_01_25_11_4_Completion_log	pdf	1.03
186_01_25_11_4_Completion_Report	pdf	12.98

Dokumenter - Sökkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
186_01_NPD_Paper_No.28_Lithology_Balder_area_Well_25_11_4	pdf	18.56
186_02_NPD_Paper_No.28_Biostratigraphy_of_Well_25_11_4	pdf	0.73
186_03_NPD_Paper_No.28_Lithologic_Correlation_chart_Well_25_11_4	pdf	0.48

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC SON GR	947	1883
FDC	947	1886
GR	137	947
IES	947	1885

Foringsrør og formasjonsstyrketester





Faktasider

Brønnbane / Leting

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Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	179.0	36	180.0	0.00	LOT
SURF.COND.	20	384.0	26	406.0	0.00	LOT
INTERM.	9 5/8	948.0	12 1/4	963.0	0.00	LOT
OPEN HOLE		1896.0	8 1/2	1896.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
188	0.00			seawater/ge	
963	0.00			seawater/sp	
1896	0.00			water/spers	