



Generell informasjon

Brønnbane navn	25/11-3
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	25/11-3
Seismisk lokalisering	line SC 71 & sp 7375
Utvinningstillatelse	001
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	48-L
Boreinnretning	GLOMAR GRAND ISLE
Boredager	20
Borestart	25.09.1970
Boreslutt	14.10.1970
Frigitt dato	14.10.1972
Publiseringsdato	30.04.2010
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	10.0
Vanndybde ved midlere havflate [m]	127.0
Totalt målt dybde (MD) [m RKB]	1858.0
Temperatur ved bunn av brønnbanen [°C]	63
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	EKOFISK FM
Geodetisk datum	ED50
NS grader	59° 10' 33.89" N
ØV grader	2° 26' 15.39" E
NS UTM [m]	6559946.05
ØV UTM [m]	467853.06
UTM sone	31
NPDID for brønnbanen	185



Brønnhistorie

General

Well 25/11-3 was drilled ca 1.5 km south of the 25/11-1 Balder discovery well on the Utsira High in the North Sea. The objective was to test the reservoir continuity, sand correlation and possible thickening of the 25/11-1 Early Eocene oil sands in a South-easterly direction.

Operations and results

Appraisal well 25/11-3 was spudded with the vessel Glomar Grand Isle on 25 September 1970 and drilled to TD at 1858 m in the Early Paleocene Ekofisk Formation. North Sea fall storms were the cause of drilling problems experienced on this well. Cumulative lost time due to waiting-on-weather alone amounted to 23.3% of the total rig days. While at the depth of 1228 m, one of the severe storms necessitated pulling the bit into the 9-5/8 inch casing and hanging off the drill pipe. After the storm abated and the hang off tool recovered, it was found that the 5 inch drill pipe extension below the tool had parted, allowing the drill string to fall to bottom. Fortunately the fish was recovered in one run with an overshot. The hole was then drilled to TD with no further problems. Initial drilling from the seafloor to 396 m was with sea water and gel. Below 396 to a depth of 960 m, the mud system consisted of seawater, Spersene XP-20 Salinex. From 960 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 600 m thick section of shales belonging to the lower Hordaland Group before top Balder formation was encountered at 1711 m. Only thin Paleocene sands were encountered, and all were water wet without shows.

No conventional cores were cut in the well. Four FIT fluid samplings were attempted in the Paleocene, but due to seal failure and tight formation no formation fluids were recovered, only mud.

The well was permanently abandoned on 14 October 1970 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
402.34	1837.94

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 10:07

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1560.0	[m]	DC	RRI
1600.0	[m]	DC	RRI
1620.0	[m]	DC	RRI
1630.0	[m]	DC	RRI
1650.0	[m]	DC	RRI
1680.0	[m]	DC	RRI
1689.0	[m]	DC	RRI
1704.0	[m]	DC	RRI
1719.0	[m]	DC	RRI
1749.0	[m]	DC	RRI
1755.0	[m]	DC	RRI
1761.0	[m]	DC	RRI
1770.0	[m]	DC	RRI
1791.0	[m]	DC	RRI
1810.0	[m]	DC	RRI
4380.0	[ft]	DC	
4500.0	[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]	DC	
5490.0	[ft]	DC	
5525.0	[ft]	SWC	
5570.0	[ft]	SWC	
5580.0	[ft]	DC	
5590.0	[ft]	SWC	
5600.0	[ft]	SWC	
5620.0	[ft]	SWC	
5630.0	[ft]	SWC	
5650.0	[ft]	SWC	
5670.0	[ft]	SWC	
5670.0	[ft]	DC	
5697.0	[ft]	SWC	
5700.0	[ft]	DC	
5700.0	[ft]	DC	



5708.0	[ft]	SWC	
5712.0	[ft]	SWC	
5722.0	[ft]	SWC	
5724.0	[ft]	SWC	
5730.0	[ft]	SWC	
5730.0	[ft]	DC	
5760.0	[ft]	DC	
5770.0	[ft]	SWC	
5790.0	[ft]	DC	
5820.0	[ft]	SWC	
5820.0	[ft]	DC	
5820.0	[ft]	DC	
5840.0	[ft]	SWC	
5848.0	[ft]	SWC	
5850.0	[ft]	DC	
5852.0	[ft]	SWC	
5860.0	[ft]	SWC	
5870.0	[ft]	SWC	
5880.0	[ft]	DC	
5890.0	[ft]	SWC	
5900.0	[ft]	SWC	
5915.0	[ft]	SWC	
5945.0	[ft]	SWC	
5963.0	[ft]	SWC	
5971.0	[ft]	SWC	
5973.0	[ft]	SWC	
5976.0	[ft]	SWC	
5980.0	[ft]	SWC	
5990.0	[ft]	SWC	
6000.0	[ft]	DC	
6053.0	[ft]	SWC	
6082.0	[ft]	SWC	
6095.0	[ft]	SWC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
137	NORDLAND GP
622	UTSIRA FM



732	NO FORMAL NAME
772	HORDALAND GP
772	SKADE FM
978	NO FORMAL NAME
1003	SKADE FM
1120	NO FORMAL NAME
1711	ROGALAND GP
1711	BALDER FM
1747	SELE FM
1757	LISTA FM
1782	HEIMDAL FM
1783	LISTA FM
1817	VÅLE FM
1824	TY FM
1844	VÅLE FM
1852	SHETLAND GP
1852	EKOFISK FM

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
185_01_WDSS_General_Information	pdf	0.15

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
185_01_25_11_3_Completion_log	pdf	1.05
185_01_25_11_3_Completion_Report	pdf	3.19

Dokumenter - Sökkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
185_01_NPD_Paper_No.28_Lithology_Balder_area_Well_25_11_3	pdf	18.56
185_02_NPD_Paper_No.28_Lithologic_Correlation_chart_Well_25_11_3	pdf	0.48





185 03 NPD Paper No.28 Log Correlation chart Profile NW-SE Well 25 11 3	pdf	0.25
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Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC SON GR	948	1854
FDC	948	1857
GR	140	948
IEL	949	1857

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	161.0	36	169.0	0.00	LOT
SURF.COND.	13 3/8	389.0	17 1/2	389.0	0.00	LOT
INTERM.	9 5/8	948.0	12 1/4	960.0	0.00	LOT
OPEN HOLE		1856.0	8 1/2	1856.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
396	0.00			seawater/ge	
960	0.00			seawater/sp	
1856	0.00			water/spers	

