



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 10:49

Brønnbane navn	25/11-2
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	25/11-2
Seismisk lokalisering	LINE SC 72 & sp 6660
Utvinningstillatelse	001
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	47-L
Boreinnretning	GLOMAR GRAND ISLE
Boredager	12
Borestart	13.09.1970
Boreslutt	24.09.1970
Frigitt dato	24.09.1972
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]	130.0
Totalt målt dybde (MD) [m RKB]	1824.0
Totalt vertikalt dybde (TVD) [m RKB]	1824.0
Temperatur ved bunn av brønnbanen [°C]	61
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	SELE FM
Geodetisk datum	ED50
NS grader	59° 13' 0.5" N
ØV grader	2° 24' 33.35" E
NS UTM [m]	6564495.02
ØV UTM [m]	466273.05
UTM sone	31
NPDID for brønnbanen	184



Brønnhistorie

General

Well 25/11-2 was drilled to appraise the 25/11-1 Balder discovery on the Utsira High in the North Sea. The objective was to define the continuity and reservoir thickness of the Early Eocene oil bearing sands in a northward direction from well 25/11-1 and a southward direction from well 25/8-1.

Operations and results

Appraisal well 25/11-2 was spudded with the vessel Glomar Grand Isle on 13 September 1970 and drilled to TD at 1823 m in the Paleocene Sele Formation. No significant problems occurred during the operations. The well was drilled with seawater/gel down to 175 m, with seawater/Spersene/ XP-20/Salinx from 175 m to 945 m, and with fresh water/ Spersene/XP-20 from 945 to TD.

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 1699 m. The Balder Formation contained several thin Intra Balder Formation sandstones, of which a seven meter thick sandstone at 1727 m was the thickest. The sands were oil bearing down to 1747 m. Hermod sandstones were penetrated from 1780 to 1817 m. They had better reservoir properties than the Intra Balder Formation sands, but were water bearing without shows.

No conventional cores were cut in the well. Out of four attempts with the Formation Interval Tester (FIT) three tests were seal failures while test no 4, at 1728.5 m, was successful and recovered 0.33 Sm³ gas, 6.9 l oil, and 3.25 l oil and gas cut mud.

The well was permanently abandoned on 24 September as an oil appraisal.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
405.38	1822.71

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
3000.0	[ft]	DC	
3090.0	[ft]	DC	
3180.0	[ft]	DC	
3300.0	[ft]	DC	



3390.0 [ft]	DC	
3480.0 [ft]	DC	
3600.0 [ft]	DC	
3690.0 [ft]	DC	
3780.0 [ft]	DC	
3900.0 [ft]	DC	
3990.0 [ft]	DC	
4080.0 [ft]	DC	
4170.0 [ft]	DC	
4290.0 [ft]	DC	
4380.0 [ft]	DC	
4500.0 [ft]	DC	
4590.0 [ft]	DC	
4680.0 [ft]	DC	
4770.0 [ft]	DC	
4890.0 [ft]	DC	
4980.0 [ft]	DC	
5100.0 [ft]	DC	
5190.0 [ft]	DC	
5300.0 [ft]	DC	
5320.0 [ft]	DC	
5360.0 [ft]	DC	
5400.0 [ft]	DC	
5440.0 [ft]	DC	
5460.0 [ft]	DC	
5480.0 [ft]	DC	
5500.0 [ft]	DC	
5520.0 [ft]	DC	
5539.0 [ft]	SWC	
5554.0 [ft]	SWC	
5560.0 [ft]	SWC	
5580.0 [ft]	DC	
5583.0 [ft]	SWC	
5640.0 [ft]	SWC	
5654.0 [ft]	SWC	
5670.0 [ft]	DC	
5722.0 [ft]	SWC	
5740.0 [ft]	SWC	
5776.0 [ft]	SWC	
5788.0 [ft]	SWC	



5790.0	[ft]	DC	
5800.0	[ft]	SWC	
5828.0	[ft]	SWC	
5862.0	[ft]	SWC	
5880.0	[ft]	DC	
5970.0	[ft]	SWC	
5970.0	[ft]	DC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
140	NORDLAND GP
582	UTSIRA FM
716	NO FORMAL NAME
747	HORDALAND GP
747	SKADE FM
939	NO FORMAL NAME
997	SKADE FM
1015	NO FORMAL NAME
1086	SKADE FM
1092	NO FORMAL NAME
1699	ROGALAND GP
1699	BALDER FM
1727	INTRA BALDER FM SS
1734	BALDER FM
1765	SELE FM
1780	HERMOD FM
1817	SELE FM

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
184_01_WDSS_General_Information	pdf	0.15

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
184_01_25_11_2_Completion_log	pdf	1.01
184_01_25_11_2_Completion_Report	pdf	3.20

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
184_01_NPD_Paper_No.28_Lithology_Balder_area_Well_25_11_2	pdf	18.56
184_02_NPD_Paper_No.28_Lithologic_Correlation_chart_Well_25_11_2	pdf	0.48
184_03_NPD_Paper_No.28_Log_Correlation_chart_Profile_NE-SW_Well_25_11_2	pdf	0.41

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FDC	944	1822
GR	137	944
IEL	944	1823
NHC SON GR	944	1819
VELOCITY	944	1824

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	175.0	36	180.0	0.00	LOT
SURF.COND.	13 3/8	388.0	17 1/2	405.0	0.00	LOT
INTERM.	9 5/8	945.0	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
175	0.00			seawater/ge	
945	0.00			seawater/sp	





1823	0.00			water/spers	
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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]
184 Formation pressure (Formasjonstrykk)	pdf	0.18

