



Generell informasjon

Brønnbane navn	16/7-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	16/7-3
Seismisk lokalisering	ST 8122 - 563 SP 738
Utvinningstillatelse	072
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	331-L
Boreinnretning	GLOMAR BISCAY II
Boredager	47
Borestart	11.06.1982
Boreslutt	27.07.1982
Frigitt dato	27.07.1984
Publiseringsdato	24.09.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	85.0
Totalt målt dybde (MD) [m RKB]	3141.0
Totalt vertikalt dybde (TVD) [m RKB]	3141.0
Temperatur ved bunn av brønnbanen [°C]	94
Eldste penetrerte alder	EARLY PERMIAN
Eldste penetrerte formasjon	ROTLIEGEND GP
Geodetisk datum	ED50
NS grader	58° 24' 21.96" N
ØV grader	2° 8' 8.06" E
NS UTM [m]	6474396.59
ØV UTM [m]	449482.48
UTM sone	31
NPDID for brønnbanen	75



Brønnhistorie

General

Exploration well 16/7-3 is located on the Utsira High, about ten km east of the Sleipner East field. The objective of the well was to test potential Jurassic sands on the large structure in the centre of the block.

The well would also test the Zechstein carbonate and Rotliegendes sandstone plays in a small fault block structure.

Operations and results

The well was spudded with the semi-submersible installation Glomar Biscay II and drilled without incident to TD at 3141 m in the Rotliegendes Group. The well was drilled with seawater gel, adding lignite from 2150 m.

The Cretaceous sequence consisted of the Late Cretaceous Tor and Hod chalk formations resting unconformably on a very thin Late Jurassic Draupne shale. Thirty-seven net m of good quality sand was encountered in the Jurassic Hugin Formation. The Triassic consisted of red beds with no major sand development. The Zechstein contained tight anhydritic dolomite, some vuggy dolomite, and shales, while the Rotliegendes Group had poor reservoir quality dolomite cemented sandstones, siltstones and shales. A shows on a core was recorded in the interval 2345 m to 2350.7 m in the upper part of the Jurassic Hugin Formation. Otherwise no hydrocarbons were encountered in the well. Two cores were taken in the 8 1/2" section, in the interval 2342 m to 2365.5 m in the Jurassic Hugin Formation. Forty sidewall cores were taken in the interval 2296 m to 3130 m. No fluid samples were taken. The well was permanently abandoned as dry on 28 August 1982.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
180.00	3140.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2342.0	2350.7	[m]
2	2351.0	2365.6	[m]



Total kjerneprøve lengde [m]	23.2
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2342-2348m



2348-2450m



2351-2357m



2357-2363m



2363-2365m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
520.0	[m]	DC	
550.0	[m]	DC	
580.0	[m]	DC	
610.0	[m]	DC	
640.0	[m]	DC	
670.0	[m]	DC	
700.0	[m]	DC	
730.0	[m]	DC	
760.0	[m]	DC	
790.0	[m]	DC	
820.0	[m]	DC	
850.0	[m]	DC	
880.0	[m]	DC	
910.0	[m]	DC	
940.0	[m]	DC	
970.0	[m]	DC	
1000.0	[m]	DC	
1030.0	[m]	DC	
1060.0	[m]	DC	
1090.0	[m]	DC	
1120.0	[m]	DC	
1150.0	[m]	DC	
1180.0	[m]	DC	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 13.5.2024 - 18:51

1210.0	[m]	DC	
1240.0	[m]	DC	
1270.0	[m]	DC	
1300.0	[m]	DC	
1330.0	[m]	DC	
1360.0	[m]	DC	
1390.0	[m]	DC	
1420.0	[m]	DC	
1450.0	[m]	DC	
1480.0	[m]	DC	
1510.0	[m]	DC	
1540.0	[m]	DC	
1570.0	[m]	DC	
1600.0	[m]	DC	
1630.0	[m]	DC	
1660.0	[m]	DC	
1690.0	[m]	DC	
1720.0	[m]	DC	
1750.0	[m]	DC	
1780.0	[m]	DC	
1810.0	[m]	DC	
1840.0	[m]	DC	
1870.0	[m]	DC	
1900.0	[m]	DC	
1930.0	[m]	DC	
1960.0	[m]	DC	
1990.0	[m]	DC	
2021.0	[m]	DC	
2039.0	[m]	DC	
2051.0	[m]	DC	
2060.0	[m]	DC	
2069.0	[m]	DC	
2081.0	[m]	DC	
2090.0	[m]	DC	
2099.0	[m]	DC	
2111.0	[m]	DC	
2120.0	[m]	DC	
2129.0	[m]	DC	
2141.0	[m]	DC	
2171.0	[m]	DC	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 13.5.2024 - 18:51

2180.0 [m]	DC	
2189.0 [m]	DC	
2201.0 [m]	DC	
2210.0 [m]	DC	
2219.0 [m]	DC	
2231.0 [m]	DC	
2240.0 [m]	DC	
2249.0 [m]	DC	
2252.0 [m]	DC	
2261.0 [m]	DC	
2273.0 [m]	DC	
2282.0 [m]	DC	
2312.0 [m]	DC	
2334.5 [m]	SWC	
2335.0 [m]	SWC	
2336.5 [m]	SWC	
2337.5 [m]	SWC	
2337.5 [m]	SWC	
2340.0 [m]	SWC	
2341.0 [m]	SWC	
2342.0 [m]	C	
2342.0 [m]	DC	
2342.1 [m]	C	
2342.5 [m]	C	
2342.8 [m]	C	
2343.0 [m]	C	
2343.3 [m]	C	
2343.8 [m]	C	
2344.0 [m]	C	
2345.5 [m]	C	
2346.3 [m]	C	
2347.0 [m]	C	
2351.0 [m]	C	
2351.2 [m]	C	
2354.1 [m]	C	
2355.0 [m]	C	
2356.8 [m]	C	
2359.0 [m]	C	
2361.3 [m]	C	
2363.0 [m]	C	



2364.0	[m]	C	
2365.0	[m]	C	
2365.5	[m]	C	
2372.0	[m]	DC	
2372.0	[m]	SWC	
2376.0	[m]	SWC	
2386.0	[m]	SWC	
2391.0	[m]	SWC	
2402.0	[m]	DC	
2432.0	[m]	DC	
2462.0	[m]	DC	
2492.0	[m]	DC	
2522.0	[m]	DC	
2543.0	[m]	DC	
2573.0	[m]	DC	
2581.0	[m]	SWC	
2603.0	[m]	DC	
2635.0	[m]	DC	
2666.0	[m]	DC	
2696.0	[m]	DC	
2726.0	[m]	DC	
2756.0	[m]	DC	
2786.0	[m]	DC	
2816.0	[m]	DC	
2840.2	[m]	SWC	
2846.0	[m]	DC	
2876.0	[m]	DC	
2906.0	[m]	DC	
2936.0	[m]	DC	
2966.0	[m]	DC	
2996.0	[m]	DC	
3026.0	[m]	DC	
3056.0	[m]	DC	
3086.0	[m]	DC	
3116.0	[m]	DC	
3140.0	[m]	DC	

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
110	NORDLAND GP
835	UTSIRA FM
995	UNDIFFERENTIATED
1194	HORDALAND GP
2000	ROGALAND GP
2000	BALDER FM
2048	SELE FM
2107	LISTA FM
2244	VÅLE FM
2258	SHETLAND GP
2258	EKOFISK FM
2265	TOR FM
2311	HOD FM
2332	VIKING GP
2332	DRAUPNE FM
2333	HEATHER FM
2344	VESTLAND GP
2344	HUGIN FM
2385	NO GROUP DEFINED
2385	SMITH BANK FM
2795	ZECHSTEIN GP
2795	UNDIFFERENTIATED
2857	KUPFERSCHIEFER FM
2859	ROTLIEGEND GP

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
75	pdf	0.39

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
75_1_hydrocarbon_source_analyses_well_16_7_3_norway	pdf	2.31





Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
75_01_WDSS_General_Information	pdf	0.15
75_02_WDSS_completion_log	pdf	0.23

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
75_1_hydrocarbon_source_analyses_well_16_7_3_norway	pdf	2.31

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
4ARM-CAL	110	460
4ARM-CAL	440	1223
CBL GR	171	255
CDL CNL GR SP CAL	2287	2851
CDL CNL GR SP CAL	2500	3134
DIPLOG	2282	3133
IEL AC GR SP CAL	105	463
IEL AC GR SP CAL	440	1223
IEL AC GR SP CAL	1882	2297
IEL AC GR SP CAL	2274	2848
IEL AC GR SP CAL	2500	3134
MFT	2346	2841
SWC	2296	3130
TEMP	10	1183
TEMP CCL	1200	1775
VSP	175	3128

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	171.3	36	173.0	0.00	LOT
SURF.COND.	20	449.5	26	469.0	1.78	LOT
INTERM.	13 3/8	1212.0	17 1/2	1228.0	1.74	LOT
INTERM.	9 5/8	2287.0	12 1/4	2303.0	1.80	LOT
OPEN HOLE		3141.0	8 1/2	3141.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
340	1.07	55.0		water	
460	1.10	40.0		water	
640	1.14	50.0		water	
980	1.19	40.0		water	
1620	1.20	47.0		water	
1990	1.19	43.0		water	
2140	1.17	46.0		water	
2230	1.27	60.0		water	
2880	1.21	54.0		water	
2940	1.20	56.0		water	

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]
75 Formation pressure (Formasjonstrykk)	pdf	0.22

