Generell informasjon

Brønnbane navn	2/8-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/8-2
Seismisk lokalisering	LINE 72-01 SP.105.
Utvinningstillatelse	006
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	16-L
Boreinnretning	ORION
Boredager	33
Borestart	28.06.1970
Boreslutt	30.07.1970
Frigitt dato	30.07.1972
Publiseringsdato	01.10.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	69.0
Totalt målt dybde (MD) [m RKB]	3246.0
Totalt vertikalt dybde (TVD) [m RKB]	3246.0
Maks inklinasjon [°]	3.5
Temperatur ved bunn av brønnbanen [°C]	89
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	RØDBY FM
Geodetisk datum	ED50
NS grader	56° 29' 52.85'' N
ØV grader	3° 28' 33.6'' E
NS UTM [m]	6261750.20
ØV UTM [m]	529305.51
UTM sone	31
NPDID for brønnbanen	155

Brønnhistorie

General

Exploration well 2/8-2 is located about 8 km south of the 2/5-3 Sørøst Tor Discovery. Danian and Maastrichtian limestones were the main objectives. Another objective was to investigate if the Paleocene hydrocarbon bearing sandstones, which had been encountered in the Cod Field, extend across the 2/8-2 location.

Operations and results

Well 2/8-2 was spudded with the jack-up installation Orion on 28 June 1970 and drilled to TD at 3245 m in the Late Cretaceous Rødby Formation. While drilling at approximately 1774 m large chunks of clay came over the shale shaker, followed by a gas kick at 1777 m. The mud weight was reduced to 10.0 ppg and degasser was run for two hours. Then the weight was increased to 14.1 ppg, the hole circulated and drilling continued. Sloughing of shale occurred around 2490 m, and the mud weight was increased to 14.3 ppg to control this problem. TD was reached and the well successfully logged. Seawater was used for drilling the 36" hole down to 129 m. A seawater/ gel mud was used to drill out the 36" casing and down to 427 m. From 427 m to TD the well was drilled with an Emulsite/Drill aid system with 2 to 5 % diesel oil added.

Only traces of sandstone and siltstone were encountered in the Paleocene section, and the rocks showed no indications of hydrocarbons. Neither the Danian sequence, which was thinner than expected, nor the Maastrichtian limestones contained hydrocarbons. The only significant hydrocarbon shows encountered in 2/8-2 were from thin dolomite and limestone stringers of Eocene age. These exhibited good oil stains but generally showed poor porosities, and further evaluations were not made. Two cores were cut in the well. Core I from 2962 m to 2971 m recovered 9 m of Danian chalk and core 2 from 3231 m to 3238 m recovered 6.4 m of Rødby Formation shale. No fluid sample was collected from the well.

The well was permanently abandoned on 30 July as a well with shows

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
134.11	3245.21

Borekaks tilgjengelig for prøvetaking?	YES

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2961.7	2970.9	[m]
2	3231.2	3237.6	[m]

Total kjerneprøve lengde [m]	15.6
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
95	NORDLAND GP
1540	HORDALAND GP
2823	ROGALAND GP
2823	BALDER FM
2844	SELE FM
2893	LISTA FM
2932	MAUREEN FM
2950	SHETLAND GP
2950	EKOFISK FM
3044	TOR FM
3227	CROMER KNOLL GP
3227	RØDBY FM

Spleisede logger

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

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
155_1_source_rock_evaluation_amoco_norway_2_8_2	pdf	1.78
155_2_source_rock_evaluation_amoco_norway_2_8_2	pdf	0.49

155_3	pdf	0.16

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
155_01_WDSS_General_Information	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
155_1_Completion_Report_&_Completion_log	pdf	31.92

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
155_01_NPD_Paper_No.13_Lithology__Well_2_8_2	pdf	11.51
155_02_NPD_Paper_No.13_Interpreted_Lithology_log__Well_2_8_2	pdf	55.22

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CAL	418	1549
CDM	1537	3246
DLL	1539	3243
FDC	1537	3246
GR	122	418
IES	418	3248
MLL-C	2927	3246
SGR	418	1539
SGR-C	1539	3243
SNP	1537	3246
SRS	418	3246

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	129.0	36	136.0	0.00	LOT
INTERM.	20	418.0	26	427.0	0.00	LOT
INTERM.	13 3/8	1538.0	17 1/2	1549.0	0.00	LOT
OPEN HOLE		3246.0	12 1/4	3246.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
132	1.18			seawater	
1400	1.25			seawater	
1545	1.60			seawater	
1726	1.61			seawater	
2328	1.67			seawater	
2866	1.71			seawater	
3169	1.72			seawater	