



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 23:56

Brønnbane navn	2/5-5
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	2/5-3 (Sørøst Tor)
Brønn navn	2/5-5
Seismisk lokalisering	
Utvinningstillatelse	006
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	81-L
Boreinnretning	ZAPATA EXPLORER
Boredager	63
Borestart	09.12.1972
Boreslutt	09.02.1973
Frigitt dato	09.02.1975
Publiseringsdato	02.04.2007
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	TOR FM
Avstand, boredekk - midlere havflate [m]	36.0
Vanndybde ved midlere havflate [m]	65.0
Totalt målt dybde (MD) [m RKB]	3456.0
Temperatur ved bunn av brønnbanen [°C]	107
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	TOR FM
Geodetisk datum	ED50
NS grader	56° 34' 54.4" N
ØV grader	3° 25' 49.1" E
NS UTM [m]	6271055.43
ØV UTM [m]	526433.88
UTM sone	31
NPDID for brønnbanen	260



Brønnhistorie

General

Well 2/5-5 was drilled ca 2 km southwest of the 2/5-3 Sør øst Tor Discovery well in the southern Norwegian North Sea. It was drilled to appraise the Sør øst Tor Discovery

Operations and results

Appraisal well 2/5-5 was spudded with the jack-up installation Zapata Explorer on 9 December 1972 and drilled to TD at 3456 m in the Late Cretaceous Tor Formation.

Top Paleocene was encountered at 3058 m, top Danian chalk (Ekofisk Formation) at 3176 m, and top Maastrichtian chalk (Tor Formation) at 3274 m. The only oil show reported above top Cretaceous was in thin dolomite stringers at 2940 - 2950 m. Oil shows were recorded in the Tor Formation from the top and down to 3383 m. Oil was confirmed by testing in the Tor Formation.

Two cores were cut in the interval 3284 - 3321 m in the Tor Formation. No wire line fluid sample was taken.

The well was permanently abandoned on 9 February 1973 as an oil appraisal.

Testing

Three drill stem tests were conducted in the Tor Formation. The following results are after acidizing:

DST 1 tested the interval 3428 - 3437 m in. At the end of the flow period only load water had come to surface and the pressure had dropped to zero.

DST 2 tested the interval 3355 - 3366 m. After 31 hours flow only acid and water cushion was produced to surface.

DST 3 tested the intervals 3297 to 3298 m + 3307 to 3308 + 3312.9 to 3313.5 m. This test produced 72 Sm³ oil, 12430 Sm³ gas, and 195 m³ water /day on a 64/64" choke. The GOR was 171 Sm³/Sm³ and the oil gravity was 39.4 deg API.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
144.78	3441.19

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	10776.0	10838.0	[ft]



2	10838.0	10896.0	[ft]
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Total kjerneprøve lengde [m]	36.6
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
100	NORDLAND GP
1887	HORDALAND GP
3058	ROGALAND GP
3058	BALDER FM
3063	SELE FM
3069	LISTA FM
3161	VÅLE FM
3176	SHETLAND GP
3176	EKOFISK FM
3274	TOR FM

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
260_01_WDSS_General_Information	pdf	0.26

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	3425	3434	0.0
3.0	3297	3313	25.4

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstempera tur [°C]
1.0				
3.0				





Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstygde rel. luft	GOR [m3/m3]
1.0					
3.0	72	12430	0.829		171

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC-C	1596	3456
CBL	1015	3441
CDM	1589	3458
CDM AP	1589	3458
CDM FP	1598	3065
CDM PP	1589	3458
CDM SP	1589	3458
CNL CCL	2987	3441
DIR	3064	3458
DL	3064	3459
FDC CNL	3094	3459
GR	366	1650
IES	1589	3459
PML	3064	3458
VELOCITY	1589	3456

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	151.0	36	151.0	0.00	LOT
SURF.COND.	20	374.0	26	389.0	0.00	LOT
INTERM.	13 3/8	1586.0	17 1/2	1601.0	0.00	LOT
INTERM.	9 5/8	3061.0	12 1/4	3080.0	0.00	LOT
LINER	7	3461.0	8 1/2	3456.0	0.00	LOT