Generell informasjon

Brønnbane navn	7/11-4
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	MIME
Funn	7/11-5 Mime
Brønn navn	7/11-4
Seismisk lokalisering	line PW 7-11 B & SP44
Utvinningstillatelse	018
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	28-L
Boreinnretning	OCEAN VIKING
Boredager	30
Borestart	02.07.1969
Boreslutt	31.07.1969
Frigitt dato	31.07.1971
Publiseringsdato	17.10.2007
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	27.0
Vanndybde ved midlere havflate [m]	79.0
Totalt målt dybde (MD) [m RKB]	3322.0
Maks inklinasjon [°]	4.6
Temperatur ved bunn av brønnbanen [°C]	106
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	TOR FM
Geodetisk datum	ED50
NS grader	57° 7' 30.5'' N
ØV grader	2° 29' 21.4'' E
NS UTM [m]	6331573.79
ØV UTM [m]	469077.56
UTM sone	31
NPDID for brønnbanen	167

Brønnhistorie

General

Well 7/11-4 is located ca 8 km north-east of the Cod Field in the North Sea. The objective of the well was to test the Late Paleocene "Cod Formation" sands, gas bearing in the Cod 7/11-1 and -2 wells; and the Early Paleocene, Danian, which had gas and oil shows in the 7/11-1 well. Other objectives with possible but less likely development of porosity were sands of the Late - Middle Eocene and the top of the Late Cretaceous chalk.

Operations and results

Wildcat well 7/11-4 was spudded with the semi-submersible installation Ocean Viking on 2 July 1969 and drilled to TD at 3321 m in the Late Cretaceous Tor Formation. No significant problems were encountered in the operations.

None of the objectives, the Late - Middle Eocene, the Paleocene Forties Formation, the Danian, or the Late Cretaceous materialized as productive zones. Sand was lacking in the Eocene, and was shaly and tight in the top of the Paleocene Rogaland Group. Only 9 m net of porous sand was encountered in the interval 3082 - 3098 m in the Middle and Lower Rogaland Group. This was below the postulated water table and from logs the net sand interval was water wet. Sands in the Danian section were tight and calcareous, and no porosity was present in the Late Cretaceous chalk. Shows reported from SWC's from the well were described as "oil specks" and "bituminous specks" in sandstones and shales in the interval 3024 - 3093 m in the Rogaland Group.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 31 July 1969 as a dry well.

The next well on the structure, well 7/11-5, was drilled in 1982 and found oil in Jurassic Ula sands.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
640.08	3321.10

Borekaks tilgjengelig for prøvetaking?	NO

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
106	NORDLAND GP
1545	HORDALAND GP

3017	ROGALAND GP
3017	BALDER FM
3036	SELE FM
3042	FORTIES FM
3107	LISTA FM
3167	MAUREEN FM
3183	SHETLAND GP
3183	EKOFISK FM
3311	TOR FM

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
167_01_WDSS_General_Information	pdf	0.18

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
167_01_Completion_Report_and_Completion_Log	pdf	45.55
167_02_Daily_Drilling_Report	pdf	5.93

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
167_01_NPD_Paper_No.10_Lithology__Well_7_11_4	pdf	24.45
167_02_NPD_Paper_No.10_Lithologic_Correlation_chart__Well_7_11_4	pdf	32.57
167_03_NPD_Paper_No.10_Paleocene_Correlation_map__Well_7_11_4	pdf	12.36

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CDM	2957	3319

FDC	2957	3319
GR	107	595
IES	605	3319
SGR -C	595	3316
SNP	2957	3319
VELOCITY	107	3322

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	20	160.0	26	160.0	0.00	LOT
SURF.COND.	13 3/8	589.0	17 1/2	610.0	0.00	LOT
INTERM.	9 5/8	2370.0	12 1/4	2378.0	0.00	LOT
OPEN HOLE		3322.0	8 1/2	3322.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
610	1.02			waterbased	
1524	1.55	47.0		waterbased	
2377	1.66	49.0		waterbased	
3170	1.50	48.0		waterbased	
3321	1.50	47.0		waterbased	