Generell informasjon

Brønnbane navn	3/7-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	3/7-1
Seismisk lokalisering	LINE 66.47 & SP6664
Utvinningstillatelse	023
Boreoperatør	Elf Norge A/S
Boretillatelse	89-L
Boreinnretning	OCEAN TIDE
Boredager	44
Borestart	01.08.1973
Boreslutt	13.09.1973
Frigitt dato	13.09.1975
Publiseringsdato	09.03.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	63.0
Totalt målt dybde (MD) [m RKB]	3227.0
Eldste penetrerte alder	PRE-DEVONIAN
Eldste penetrerte formasjon	BASEMENT
Geodetisk datum	ED50
NS grader	56° 27' 43.5'' N
ØV grader	4° 0' 7.8'' E
NS UTM [m]	6258099.44
ØV UTM [m]	561756.96
UTM sone	31
NPDID for brønnbanen	292

Brønnhistorie

General

Well 3/7-1 was drilled in the Søgne Basin in the North Sea, about 1400 m north of the border to Danish waters. The well location is near the top of a large anticline whose axis trends northwest with a 200 km2 closure at the pre-Zechstein horizon. The structure was considered as a north-western extension of the Fynn Falster High. The expected reservoirs were Danian and Maastrichtian chalky limestone, Jurassic sandstone, Rotliegend sandstone, and Carboniferous or Devonian sandstone. It was supposed that all or none of these reservoirs could be encountered. Basement could be found at different depths, owing to the difficulties in identifying main seismic horizons below the top of the chalky limestone.

Operations and results

Wildcat well 3/7-1 was spudded with the jack-up installation Ocean Tide on 1 August 1973 and drilled to TD at 3227 m, 9 m into basement rock.

The Paleocene and Maastrichtian horizons were encountered at 2690 m and 2852 m respectively, which was 41m and 28 m low to the geologic prognosis estimated depths. The basement (chloritic gneiss) was encountered directly underlying Turonian limestone.

Only the middle part of the chalky Maastrichtian section had some reservoir characteristics with inferred porosity from the BHC log about 12% from 2852 m to 2951 m and about l8% from 2951 to 2984.5 m. The Maastrichtian reservoir was water wet based on the IES log. The underlying Turonian - Campanian limestone was very tight. No hydrocarbon shows were reported from the well other than traces of dry gas.

One core was cut in basement at TD from 3221 - 3227 m. No fluid samples were obtained.

The well was permanently abandoned on 13 September 1973 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
580.00	3220.00

Borekaks tilgjengelig for prøvetaking?	NO

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3221.0	3227.0	[m]

Total kjerneprøve lengde [m]	6.0
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1760.0	[m]	DC	RII
1770.0	[m]	DC	RII
1780.0	[m]	DC	RII
1800.0	[m]	DC	RII
1810.0	[m]	DC	RII
1820.0	[m]	DC	RII
1840.0	[m]	DC	RII
1850.0	[m]	DC	RII
1860.0	[m]	DC	RII
1880.0	[m]	DC	RII
1890.0	[m]	DC	RII
1900.0	[m]	DC	RII
1920.0	[m]	DC	RII
1930.0	[m]	DC	RII
1940.0	[m]	DC	RII
1960.0	[m]	DC	RII
1970.0	[m]	DC	RII
1980.0	[m]	DC	RII
2000.0	[m]	DC	RII
2010.0	[m]	DC	RII
2020.0	[m]	DC	RII
2040.0	[m]	DC	RII
2050.0	[m]	DC	RII
2060.0	[m]	DC	RII
2080.0	[m]	DC	RII
2090.0	[m]	DC	RII
2100.0	[m]	DC	RII
2120.0	[m]	DC	RII
2130.0	[m]	DC	RII
2140.0	[m]	DC	RII
2160.0	[m]	DC	RII
2170.0	[m]	DC	RII
2180.0	[m]	DC	RII
2200.0	[m]	DC	RII
2210.0	[m]	DC	RII

2220.0	[m]	DC	RII
2240.0	[m]	DC	RII
2250.0	[m]	DC	RII
2260.0	[m]	DC	RII
2280.0	[m]	DC	RII
2290.0	[m]	DC	RII
2300.0	[m]	DC	RII
2320.0	[m]	DC	RII
2330.0	[m]	DC	RII
2340.0	[m]	DC	RII
2360.0	[m]	DC	RII
2370.0	[m]	DC	RII
2380.0	[m]	DC	RII
2410.0	[m]	DC	RII
2420.0	[m]	DC	RII
2440.0	[m]	DC	RII
2450.0	[m]	DC	RII
2460.0	[m]	DC	RII
2480.0	[m]	DC	RII
2490.0	[m]	DC	RII
2500.0	[m]	DC	RII
2520.0	[m]	DC	RII
2540.0	[m]	DC	RII
2550.0	[m]	DC	RII
2560.0	[m]	DC	RII
2570.0	[m]	DC	RII
2600.0	[m]	DC	RII
2620.0	[m]	DC	RII
2630.0	[m]	DC	RII
2640.0	[m]	DC	RII
2660.0	[m]	DC	RII
2670.0	[m]	DC	RII
2680.0	[m]	DC	RII
2700.0	[m]	DC	RII
2715.0	[m]	DC	RII
2745.0	[m]	DC	RII
2750.0	[m]	DC	RII
2760.0	[m]	DC	RII
2775.0	[m]	DC	RII
2790.0	[m]	DC	RII

2805.0	[m]	DC	RII
2820.0	[m]	DC	RII
2835.0	[m]	DC	RII

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
93	NORDLAND GP
1435	HORDALAND GP
2690	ROGALAND GP
2690	BALDER FM
2712	SELE FM
2728	LISTA FM
2760	VÅLE FM
2769	SHETLAND GP
2769	EKOFISK FM
2852	TOR FM
2985	HOD FM
3218	BASEMENT

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
292_1	pdf	1.14

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
292_01_WDSS_General_Information	pdf	0.25

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
292_01_3_7_1_Completion_Report	pdf	0.92
292_02_3_7_1_Completion_log	pdf	1.30

292_03_3_7_1_BIOSTRATIGRAPHY_OF_THE_INTERVAL_1750M-2860M	PDF	6.89
292_03_3_7_1_BORECARD	PDF	0.14
292_03_3_7_1_CORE_DESCRIPTION_SHEET_NO-1	PDF	0.05
292_03_3_7_1_DATATION_DU_GNEISS_DU_SONDAGE	PDF	0.14
292_03_3_7_1_DESCRIPTION_CORE_NO-1	PDF	0.11
292_03_3_7_1_DRILLING_AND_COMPLETION_PROGRAM	PDF	0.15
292_03_3_7_1_FORMATION_TEMPERATURE_GRAPH	PDF	0.36
292_03_3_7_1_GEOCHEMICAL_LITHOLOGICAL_AND_PALYNOLOGICAL_REPORT	PDF	0.45
292_03_3_7_1_GEOLOGICAL_REPORT	PDF	0.92
292_03_3_7_1_GEOLOGIE_PETROLIERE	PDF	0.21
292_03_3_7_1_GEOLOGY_PROGNOSIS	PDF	1.67
292_03_3_7_1_MICROPALEONTOLOGICAL_REPORT_TERTIARY_AND_UPPER_CRETACEOUS	PDF	2.32
292_03_3_7_1_PLANER_FOR_BORING	PDF	0.28
292_03_3_7_1_PROGNOSE	PDF	0.11
292_03_3_7_1_PROGRAM	PDF	0.12
292_03_3_7_1_REFLECTANCE_OF_INSOLUBLE_ORGANIC_MATTER	PDF	1.49
292_03_3_7_1_SEDIMENTOLOGICAL_STUDY_OF_THE_PALEOCENE_EOCENE_SERIES	PDF	1.57
292_03_3_7_1_SIDE_WALL_CORES_DESCRIPTION	PDF	0.26
292_03_3_7_1_SIDE_WALL_CORES_DESCRIPTION_RUN_NO-1	PDF	0.12
292_03_3_7_1_SIDE_WALL_CORES_DESCRIPTION_RUN_NO-2	PDF	0.13
292_03_3_7_1_SOIL_SAMPLES	PDF	0.97
292_03_3_7_1_STRUCTURE_MAPS	PDF	3.64
292_03_3_7_1_WELL_ABONDONMENT_REPORT	PDF	0.31
292_03_3_7_1_WELL_PROGNOSIS	PDF	0.13

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC	455	1462
BHC	3138	3229

BHC GR	1460	3134
CBL	93	1457
GR	93	1462
GR	3090	3229
HRT	93	3113
IES	455	1466
IES	1460	3138
IES	3138	3230

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	127.0	36	127.0	0.00	LOT
SURF.COND.	20	454.0	26	455.0	0.00	LOT
INTERM.	13 3/8	1458.7	17 1/2	1460.0	0.00	LOT
INTERM.	9 5/8	3138.0	12 1/4	3140.0	0.00	LOT
OPEN HOLE		3229.0	8 1/2	3229.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1409	1.33			waterbased	
2447	1.39			waterbased	
2635	1.38			waterbased	
3009	1.35			waterbased	
3186	1.67			waterbased	
3227	1.67			waterbased	