



General information

Wellbore name	3/7-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	3/7-1
Seismic location	LINE 66.47 & SP6664
Production licence	023
Drilling operator	Elf Norge A/S
Drill permit	89-L
Drilling facility	OCEAN TIDE
Drilling days	44
Entered date	01.08.1973
Completed date	13.09.1973
Release date	13.09.1975
Publication date	09.03.2009
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	31.0
Water depth [m]	63.0
Total depth (MD) [m RKB]	3227.0
Oldest penetrated age	PRE-DEVONIAN
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	56° 27' 43.5" N
EW degrees	4° 0' 7.8" E
NS UTM [m]	6258099.44
EW UTM [m]	561756.96
UTM zone	31
NPDID wellbore	292

Wellbore history

**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 18% 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.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
580.00	3220.00

Cuttings available for sampling?	NO
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3221.0	3227.0	[m]

Total core sample length [m]	6.0
Cores available for sampling?	YES



Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
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

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
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

Geochemical information

Document name	Document format	Document size [MB]
292_1	pdf	1.14

Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
292_01_WDSS_General_Information	pdf	0.25

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
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 MICROPALAEONTOLOGICAL 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 ABANDONMENT REPORT	PDF	0.31
292 03 3 7 1 WELL PROGNOSIS	PDF	0.13

Logs

Log type	Log top depth [m]	Log bottom depth [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

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
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

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1409	1.33			waterbased	
2447	1.39			waterbased	
2635	1.38			waterbased	
3009	1.35			waterbased	
3186	1.67			waterbased	
3227	1.67			waterbased	