

WDSS Report

Date: 22/10/96

PB/ABS

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Well no:	Operator:
7128/06-01	CONOCO

Well

Coordinates :	71° 31' 04.99" N	UTM coord. :	7936359.06 N
	28° 49' 03.41" E		564304.64 E
License no :	181	Permit no :	695
Rig :	ARCADE FRONTIER	Rig type :	SEMI-SUB.
Contractor :	ARCADE DRILLING A.S		
Bottom hole temp:	74 °C	Elev. KB :	23 M
Spud. date :	91.08.11	Water depth :	336 M
Compl. date :	91.11.08	Total depth :	2543 M
Spud. class :	WILDCAT	Form. at TD :	PRE-DEVON.
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	BPGC. 87-116, SP. 546		

Licensees

25.000000 NORSKE CONOCO A/S
 10.000000 ELF PETROLEUM NORGE AS
 50.000000 DEN NORSKE STATS OLJESELSKAP A.S
 15.000000 AMOCO NORWAY AS

Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	453.0	36	455.0	
INTERM.	20	823.8	26	825.0	
INTERM.	13 3/8	1569.4	17 1/2	1570.0	
INTERM.	9 5/8	1800.0	12 1/4	1802.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	1629.0 - 1641.0	12.0	100.0
2	1643.0 - 1645.0	2.0	100.0
3	1645.0 - 1646.6	1.6	100.0
4	NO CORE		
5	NO CORE		
6	1701.3 - 1710.3	9.0	100.0
7	1710.3 - 1728.2	18.0	100.0
8	1728.0 - 1745.0	17.0	100.0
9	1745.0 - 1755.0	10.0	100.0
10	1755.0 - 1781.1	26.1	100.0
11	1783.2 - 1810.2	27.0	100.0
12	1810.2 - 1838.4	28.0	100.0
13	1838.4 - 1873.8	35.4	100.0
14	1874.8 - 1892.5	17.7	100.0
15	1892.5 - 1928.9	36.4	100.0
16	1928.6 - 1965.4	36.8	100.0
17	1968.0 - 2005.3	37.3	100.0
18	2005.3 - 2030.9	25.6	100.0
19	2030.9 - 2043.2	12.3	100.0
20	2043.4 - 2066.8	23.4	100.0
21	2066.8 - 2094.6	26.8	100.0
22	2094.6 - 2131.6	37.2	100.0
23	2222.0 - 2249.5	27.5	100.0
24	2540.0 - 2541.7	1.7	100.0

Mud

Depth	Mud weight	Visc.	Mud type
397.0	1.03		WATER BASED
403.0	1.14	57.0	WATER BASED
454.0	1.10		WATER BASED
584.0	1.10		WATER BASED
830.0	1.44	14.0	WATER BASED
837.0	1.20	42.0	WATER BASED
936.0	1.20	40.0	WATER BASED
1069.0	1.18	41.0	WATER BASED
1333.0	1.19	43.0	WATER BASED
1367.0	1.19	42.0	WATER BASED

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1552.1	1.14	56.0	WATER BASED
1578.0	1.19	43.0	WATER BASED
1630.0	1.19	45.0	WATER BASED
1648.0	1.16	49.0	WATER BASED
1656.0	1.16	48.0	WATER BASED
1698.2	1.15	54.0	WATER BASED
1701.5	1.15	53.0	WATER BASED
1712.3	1.16	10.0	WATER BASED
1728.2	1.16	10.0	WATER BASED
1739.0	1.16	10.0	WATER BASED
1747.0	1.17	10.0	WATER BASED
1760.0	1.17	49.0	WATER BASED
1767.8	1.16	10.0	WATER BASED
1775.0	1.17	56.0	WATER BASED
1783.2	1.16	52.0	WATER BASED
1795.0	1.16	52.0	WATER BASED
1810.0	1.17	56.0	WATER BASED
1838.4	1.16	52.0	WATER BASED
1891.6	1.16	43.0	WATER BASED
1933.0	1.17	49.0	WATER BASED
1967.8	1.16	49.0	WATER BASED
2004.6	1.16	48.0	WATER BASED
2030.0	1.16	52.0	WATER BASED
2043.4	1.17	55.0	WATER BASED
2063.0	1.17	54.0	WATER BASED
2066.0	1.17	51.0	WATER BASED
2094.0	1.17	48.0	WATER BASED
2120.0	1.17	47.0	WATER BASED
2131.6	1.16	44.0	WATER BASED
2162.0	1.16	47.0	WATER BASED
2183.0	1.16	47.0	WATER BASED
2222.0	1.16	45.0	WATER BASED
2249.5	1.17	47.0	WATER BASED
2326.0	1.16	47.0	WATER BASED
2472.0	1.16	45.0	WATER BASED
2540.0	1.17	43.0	WATER BASED
2543.0	1.17	45.0	WATER BASED

Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
1.0	1622.5 - 1664.0				

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Drill Stem Test (recovery)

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rcl. air	GOR m3/m3
1.0	0	0			

Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	834 - 2542	270

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500
ACBL VDL GR	353.0 - 1570.0		
CDM AP/SHDT COMPUTED	1569.0 - 2540.0		
DIFL BHC ACL GR	358.0 - 1577.0		
DLL MLL CAL GR	1565.0 - 2539.0		
DRILLING DATA LOG	850.0 - 2543.0		
FMT	1630.0 - 2525.0		
GR	1425.0 - 1520.0		
LS ACL DIFL GR	358.0 - 2540.0		
MUDLOG	800.0 - 2543.0		

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MWD	360.0 - 2540.0			
PRESSURE EVALUATION	600.0 - 2543.0			
SYNTHETIC SEISMOGRAM	335.0 - 2517.0			
TWO-WAY TRAVEL TIME	850.0 - 2543.0			
VELOCITY	800.0 - 2543.0			
VSP	673.0 - 2488.0			
ZCDL CN CAL GR	2060.0 - 2540.0			
ZCDL CN GR	823.0 - 2112.0			

Main operations for well: 7128/6-1**Main operation: DRILLING**

Sub operation:	Minutes:	Hours:	% of total:
BOP/WELLHEAD EQ	5310	88,5	10,26
CASING	5880	98,0	11,36
CIRC/COND	2790	46,5	5,39
DRILL	18390	306,5	35,54
HOLE OPEN	2400	40,0	4,64
OTHER	1710	28,5	3,30
REAM	3600	60,0	6,96
SURVEY	60	1,0	0,12
TRIP	11250	187,5	21,74
WAIT	360	6,0	0,70
Total	51750	862,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	60	1,0	0,09
CIRC/COND	1950	32,5	3,04
CORE	19200	320,0	29,98
DST	2160	36,0	3,37
LOG	10410	173,5	16,25
OTHER	1950	32,5	3,04
TRIP	28320	472,0	44,22
Total	64050	1067,5	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
MAINTAIN/REP	3930	65,5	69,31
OTHER	1350	22,5	23,81
WAIT	390	6,5	6,88
Total	5670	94,5	100,00

Main operation: MOVING

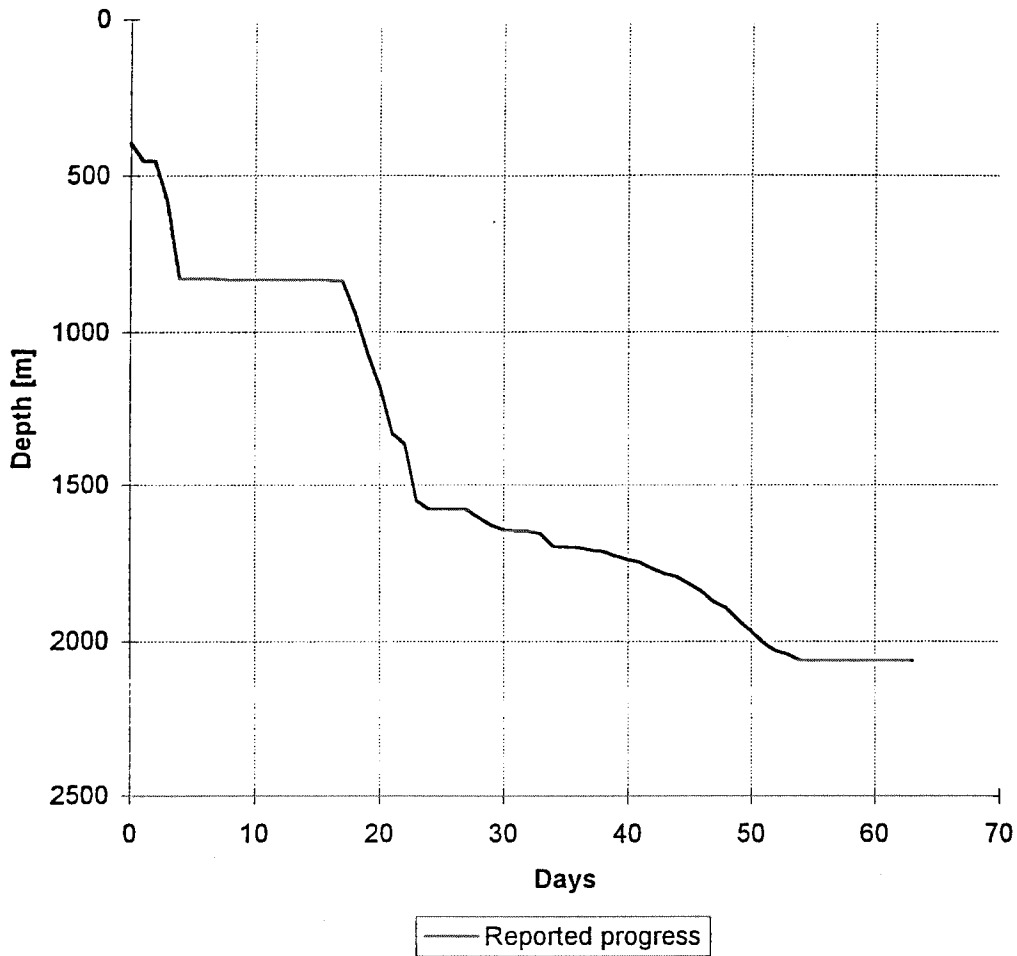
Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	3030	50,5	60,48
TRANSIT	1980	33,0	39,52
Total	5010	83,5	100,00

Main operation: PLUG & ABANDON

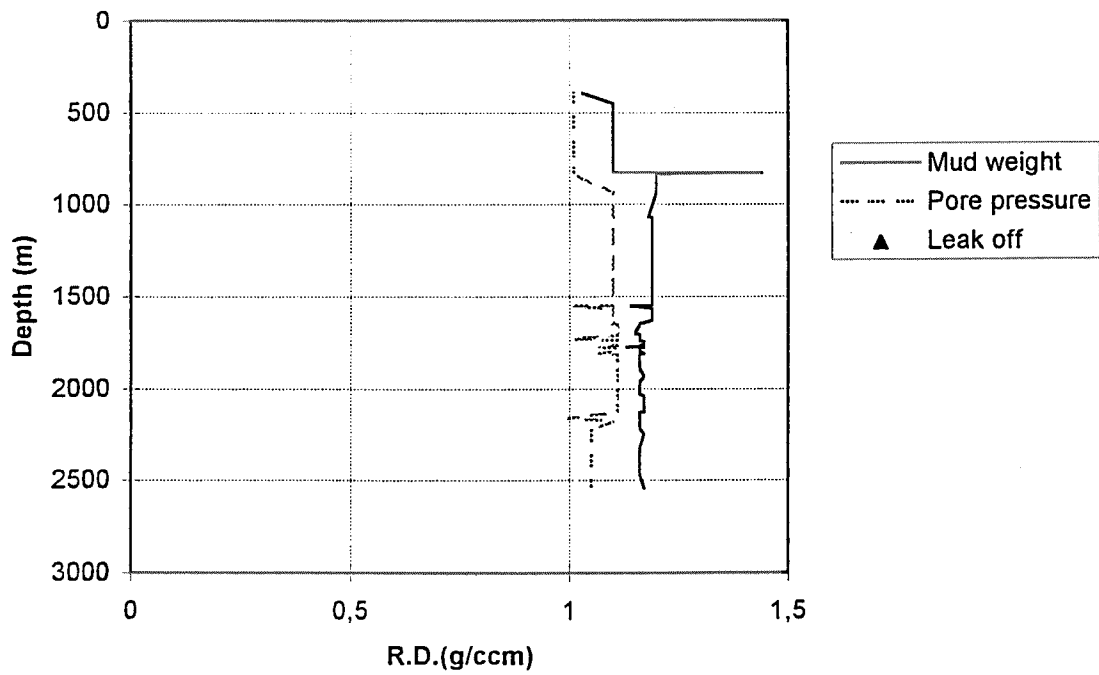
Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	660	11,0	7,43
CIRC/COND	660	11,0	7,43
CUT	210	3,5	2,36
EQUIP RECOVERY	2580	43,0	29,05
MECHANICAL PLUG	240	4,0	2,70
OTHER	120	2,0	1,35
PERFORATE	510	8,5	5,74
TRIP	3900	65,0	43,92
Total	8880	148,0	100,00

Total time used: Hours

Depth vs time for well: 7128/6-1



Composite plot for well: 7128/6-1



Well History 7128/6-1

General:

Well 7128/6-1 are located on the Finnmark Platform between onshore Finnmark and the Nordkapp Basin, approximately 226 km east-north-east of Hammerfest. Block 7128/6 lies on the central portion of the Finnmark Platform, an area that has acted as a shallow stable platform throughout the Palaeozoic and Lower Mesozoic. Periods of rapid tectonic subsidence occurred during the Lower to Mid Triassic, Lower Cretaceous and Upper Palaeocene to Lower Eocene. Caledonian low grade metamorphic sandstones comprise the basement which during the Upper Devonian/Lower Carboniferous tectonic events developed into a series of north-east trending half grabens filled with alluvial fan and fluvial deposits. The reservoir objectives of the well were:

- 1) A fenestrate bryozoan carbonate bioherm (Kungurian- Kazanian in age) equivalent to the Miseryfjellet Formation on Bjornoya. Prognoses thickness was in excess of 180 m.
 - 2) The underlying Gzelian through Artinskian carbonate succession represents a potential secondary objective-
 - 3) Sandstones of the Carboniferous (Visean) represent a potential clastic reservoir objective in the area, but no closure have been mapped at this horizon in the prospect area.
- Shallow gas warning were given for one interval at 369 m RKB.

Operations:

Wildcat well 7128/6-1 was spudded 11 August 1991 by the semi-submersible rig Sonat Arcade Frontier and completed 9 November 1991 at a total depth of 2543 m RKB within the pre-Carboniferous Basement rocks. No shallow gas were encountered. No significant problems occurred during the drilling operation. A total of 24 conventional cores were cut in the carbonate sequence yielding a total of 472.4 m core. A total of 139 sidewall cores were requested, and 137 were recovered. A total of 39 formation pressure tests were attempted and three fluid samples were collected. Analysis indicated normal hydrostatic formation pressure. The fluid samples were all mud filtrate. The well was permanently plugged and abandoned with oil shows.

Testing:

One DST tests were performed in the interval 1623.5-1664 m RKB in Spiculitic Limestone. Three attempts were made to make the well flow by means of lifting with N₂- cushions, but the well was unable to flow to the surface.

Geological Tops.

Well: 7128/6-1

Depth m (RKB).

Ingøydjupet Group	464.5
Kobbe Fm	464.5
Klappmyss Fm	711.0
Havert Fm	977.9
Tempelfjorden Group	1564.0
Miseryfjellet Fm	1564.0
Gipsdalen Group	1722.2
Hambergfjellet Fm	1722.2
Kapp Duner Fm	1868.0
Kapp Hanna Fm	1997.3
Kapp Kåre Fm	2077.1
Landnordingsvika Fm	2125.0
Billefjorden Group	2160.0
Nordkapp Fm	2160.0
T.D.	2543.0