

WDSS Report

Date: 12/03/98

PB/SKR

Page: 1 / 1

Well no:	Operator:
7122/02-01	HYDRO

Well

Coordinates :	71° 57' 40.28" N 22° 38' 40.10" E	UTM coord. :	7985596.37 N 556833.38 E
License no :	179	Permit no :	745
Rig :	POLAR PIONEER	Rig type :	SEMI-SUB.
Contractor :	POLAR FRONTIER DRILLING A/S		
Bottom hole temp:	64 °C	Elev. KB :	23 M
Spud. date :	92.10.07	Water depth :	363 M
Compl. date :	92.11.11	Total depth :	2120 M
Spud. class :	WILDCAT	Form. at TD :	
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	NH 9257-417 SP.61		

Licenses

30.000000 NORSK HYDRO PRODUKSJON AS
10.000000 SAGA PETROLEUM ASA
50.000000 DEN NORSKE STATS OLJESELSKAP A.S
10.000000 ESSO EXPL. & PROD. NORWAY A/S

Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	448.0	36	450.0	
INTERM.	18 5/8	716.0	26	718.0	1.81
INTERM.	13 3/8	1750.0	17 1/2	1755.0	1.53

WDSS Report

Date: 12/03/98

PB/SKR

Page: 2 / 2

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7122/02-01	HYDRO

Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	1771.0 - 1776.2	5.2	100.0
2	1776.2 - 1778.0	1.8	100.0
3	1779.0 - 1784.1	5.1	100.0
5	1833.0 - 1860.0	27.0	100.0
6	1860.0 - 1888.3	28.8	100.0
7	1888.3 - 1915.7	27.4	100.0
8	1915.7 - 1931.8	15.8	100.0

Mud

Depth	Mud weight	Visc.	Mud type
418.0	1.07	.0	WATER BASED
444.0	1.20	17.0	WATER BASED
448.0	1.20	17.0	WATER BASED
449.0	1.08	40.0	WATER BASED
542.0	1.07	47.0	WATER BASED
642.0	1.07	47.0	WATER BASED
734.0	1.07	32.0	WATER BASED
858.0	1.07	39.0	WATER BASED
915.0	1.07	39.0	WATER BASED
945.0	1.10	24.0	WATER BASED
1092.0	1.12	22.0	WATER BASED
1254.0	1.14	40.0	WATER BASED
1433.0	1.20	21.0	WATER BASED
1568.0	1.20	19.0	WATER BASED
1620.0	1.20	20.0	WATER BASED
1681.0	1.20	21.0	WATER BASED
1765.0	1.20	21.0	WATER BASED
1782.0	1.20	21.0	WATER BASED
1812.0	1.20	20.0	WATER BASED
1873.0	1.20	22.0	WATER BASED
1932.0	1.20	21.0	WATER BASED
2051.0	1.20	20.0	WATER BASED
2120.0	1.20	20.0	WATER BASED
2120.0	1.20	21.0	WATER BASED

WDSS Report

Date: 12/03/98

PB/SKR

Page: 3 / 3

Well no:	Operator:
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Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
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Drill Stem Test (recovery)

Test no.	Oil Sm ³ /d	Gas Sm ³ /d	Oil grav. g/cm ³	Gas grav. rel. air	GOR m ³ /m ³
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Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	780 - 2120	280

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500	
CALIBRATED SONIC	730.0 - 2120.0			
CORRECTED LOG DATA	1830.0 - 2120.0			
CPI LOG	1830.0 - 1980.0			
CST GR	762.0 - 2118.0			
DIL LSS SGR	714.0 - 1753.0			
DLL MSFL DIL LSS	714.0 - 2120.0			
DLL MSFL SDT SGR	1746.0 - 2120.0			
FMS 4-GR	714.0 - 2120.0			

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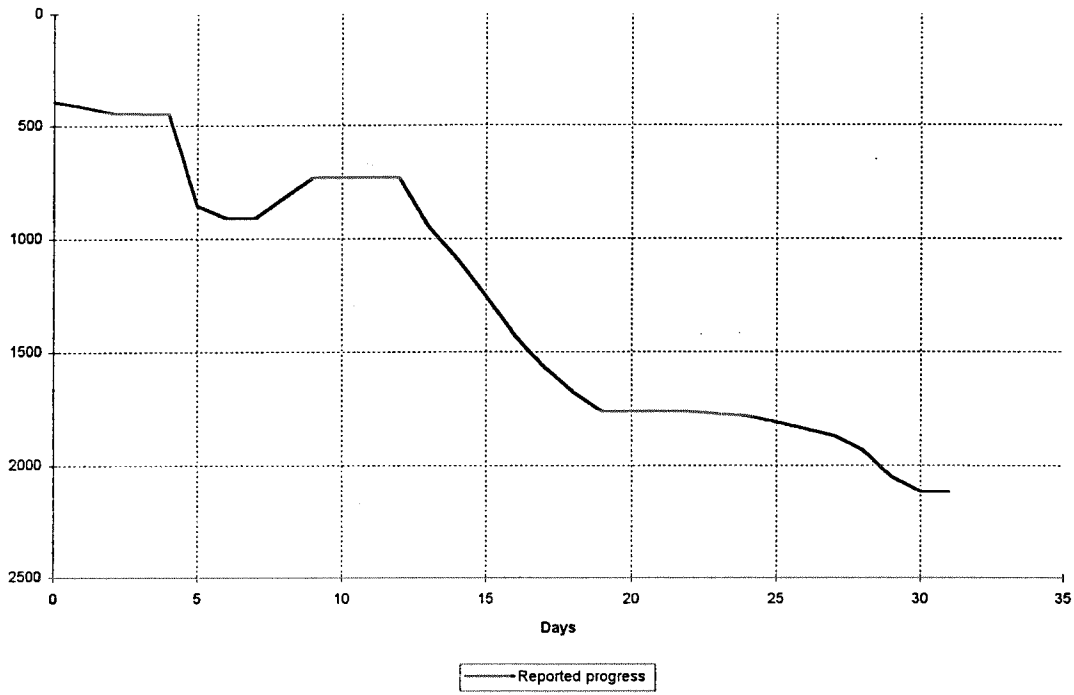
PB/SKR

Page: 4 / 4

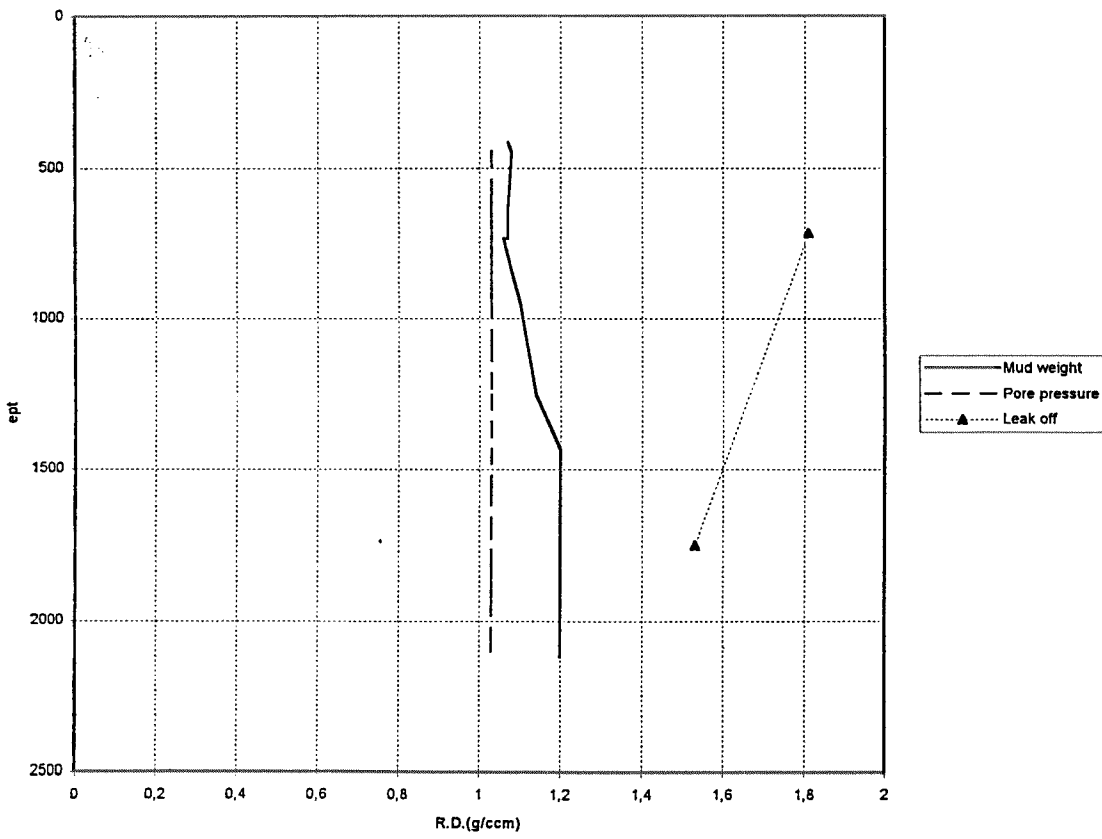
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FORMATION EVALUATION	386.0 - 2120.0			
GAS CHROMATOGRAPH	.0 - 2120.0			
LDL CNL NGS	1746.0 - 2099.0			
LDL CNL SGR	714.0 - 2120.0			
MSD	717.0 - 2117.0			
MWD EQW LOG	386.0 - 2120.0			
NGS RATIOS	714.0 - 2090.0			
RFT HP GR	1768.0 - 2106.0			
SITE SURVEY INTER- SYNTHETIC SEISMOGRAM	386.0 - 1100.0			
TWO WAY TRAVEL TIME				
VDL GR	1349.0 - 1746.0			
VSP				

Depth v.s. time plot for well: 7122/2-1



Composite plot for well: 7122/2-1



Main operations for well: 7122/2-1**Main operation: DRILLING**

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	780	13,0	2,93
BOP/WELLHEAD EQ	1170	19,5	4,40
CASING	5370	89,5	20,19
CIRC/COND	990	16,5	3,72
DRILL	10701	178,4	40,23
HOLE OPEN	1470	24,5	5,53
OTHER	240	4,0	0,90
REAM	60	1,0	0,23
TRIP	5820	97,0	21,88
Total	26601	443,4	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	120	2,0	1,51
CIRC/COND	180	3,0	2,26
CORE	2910	48,5	36,60
LOG	2070	34,5	26,04
OTHER	60	1,0	0,75
TRIP	2610	43,5	32,83
Total	7950	132,5	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	1772	29,5	21,30
MAINTAIN/REP	1389	23,2	16,70
OTHER	840	14,0	10,10
SIDETRACK	4108	68,5	49,38
WAIT	210	3,5	2,52
Total	8319	138,7	100,00

Main operation: MOVING

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	1650	27,5	41,98
TRANSIT	2280	38,0	58,02
Total	3930	65,5	100,00

Main operation: PLUG & ABANDON

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	630	10,5	17,50
CIRC/COND	240	4,0	6,67
CUT	360	6,0	10,00
EQUIP RECOVERY	1080	18,0	30,00
OTHER	240	4,0	6,67
TRIP	1050	17,5	29,17
Total	3600	60,0	100,00

Total time used: Hours

WELL HISTORY 7122/2-1

GENERAL:

The primary objective of well 7122/2-1 was to test the potential of Valanginian and Hauterivian stratigraphic prospect 7122/2, 3-A.

Additional objectives were:

- To undertake a coring and sampling programme necessary for evaluation of the hydrocarbon potential of the 7122/2, 3-A prospect, and the surrounding area.
- To obtain an improved understanding of the reservoir potential, source rock development and maturity of the area, as well as acquiring better stratigraphic and velocity control.

OPERATION:

Well 7122/2-1 was spudded on the 7th October 1992 by the semi submersible rig "Polar Pioneer" and was completed 11th November 1992.

The primary target, The Knurr Formation, was encountered from 1831.5m to 1954.5m and was water bearing. It consisted of massive sandstone sequence. The secondary target, the Stø Formation, was also water bearing. Top Stø Formation was penetrated at 2067.5m, and TD was set at 2120m, approximately 50m into the Stø Formation.

A total of 8 cores were cut in the well covering the intervals 1771-1783m and 1812-1825m in the Kolje Formation, and the interval 1833-1931.8m in the Knurr Formation

The well was plugged and abandoned as a dry hole.

TESTING:

No DST test was performed in this well.

Geological Tops.

Well: 7122/2-1.

	Depth m (RKB)
Nordland Group	386.0
Sotbakken Group	418.0
Torsk Fm	418.0
Nygrunnen Group	743.0
Kviting Fm	743.0
Nordvestbanken Group	764.0
Kolmule Fm	764.0
Kolje Fm	1765.0
Knurr Fm	1831.5
Teistengrunnen Group	1954.5
Hekkingen Fm	1954.5
Fuglen Fm	2025.0
Realgrunnen Group	2067.5
Stø Fm	2067.5
T.D.	2120.0