

Well no : 7121/ 7-01

Operator : STATOIL

Coordinates	: 71 28 20.78 N 21 05 15.18 E	UTM coord.	: 7930306 N
		UTM zone 34	: 503105 E
Licence no	: 100	Permit no	: 419
Rig	: WEST VANGUARD	Rig type	: SEMI-SUB.
Contractor	: A/S SMEDVIK DRILLING CO.		
Bottom hole temperature	: 56 deg.C	Elev. KB	: 22 M
Spud date	: 84.06.11	Water depth	: 329 M
Compl. date	: 84.08.05	Total depth	: 2160 M
Spud class.	: WILDCAT	Age at TD	: TRIASSIC
Compl. class.	: P&A. GAS/COND. DISC.		
Seis. loc.	: 8205 - 374 SP. 377		

LICENSEES

4.000	DEMINEX (NORGE) A/S
1.000	DET NORSKE OLJESELSKAP A/S
35.000	ELF AQUITAINE NORGE A/S
50.000	DEN NORSKE STATS OLJESELSKAP A.S
10.000	SVENSKA PETROLEUM EXPLORATION A/S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm ³
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CONDUCTOR	30	415.0	36	419.0	
SURF.COND.	20	752.0	26	770.0	1.52
INTERM.	13 5/8	1500.0	17 1/2	1517.0	1.53
INTERM.	9 5/8	2130.0	12 1/4	2160.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	1851.0 - 1868.0	16.0	94.0	MIDDLE JURASSIC
2	1868.0 - 1895.0	26.4	98.0	MIDDLE JURASSIC
3	1895.0 - 1922.0	27.8	99.9	MIDDLE JURASSIC
4	1922.0 - 1935.0	13.0	99.9	MIDDLE JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weighth g/cm ³	Plastic viscosity mPa.s	Mud type
430.0	1.05	3.0	WATER BASED
590.0	1.06		WATER BASED
706.0	1.07	5.0	WATER BASED
770.0	1.10	13.0	WATER BASED
1022.0	1.15	18.0	WATER BASED
1222.0	1.17	18.0	WATER BASED
1517.0	1.15	12.0	WATER BASED
1651.0	1.25	16.0	WATER BASED
1678.0	1.15	14.0	WATER BASED
1798.0	1.20	14.0	WATER BASED
1868.0	1.25	18.0	WATER BASED
2160.0	1.26	11.0	WATER BASED

DRILL STEM TEST

INTERVALS AND PRESSURES

Test no.	Interval meter	Choke size	FSIP	Pressure BTHP	WHP
1.0	1960.0 - 1947.0	67.5	3072.0	2954.0	431.0
2.0	1871.0 - 1866.0	19.1	3009.0	2026.0	1469.0

RECOVERY

Test no.	Oil Sm ³ /d	Gas M Sm ³ /d	Oil grav. g/cm ³	Gas grav. rel. air	GOR m ³ /m ³
1.0					
2.0	20*	501			18000

* - CONDENSATE

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	420 - 2160	320
WET SAMPLES	420 - 2157	400

SHALLOW GAS

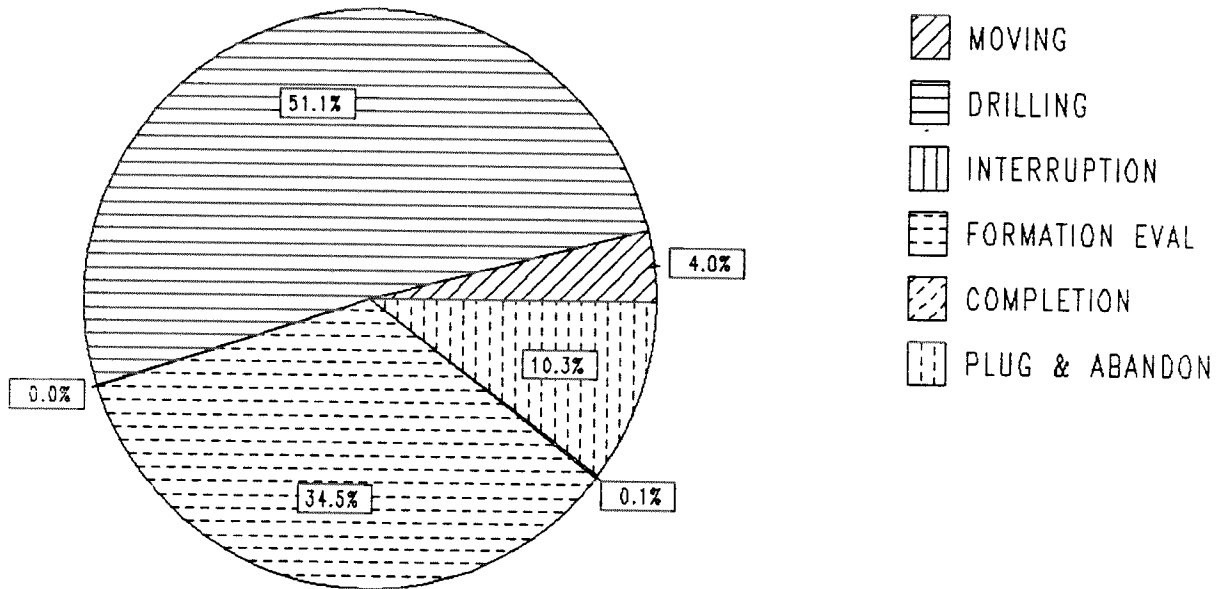
INTERVAL BELOW KB	REMARKS
	NONE

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF BHC GR	415 - 768	X	X
ISF BHC	752 - 1508	X	X
ISF BHC MSFL	1501 - 1941	X	X
ISF BHC	1824 - 2157	X	X
LDL	415 - 769	X	X
LDL	752 - 1505	X	X
LDL CNL NGS	1501 - 2158	X	X
DLL MSFL	1825 - 2154	X	X
SHDT	752 - 1506	X	
SHDT	1501 - 2158	X	
NGS	1774 - 2149	X	X
RFT	1850 - 1923		1:100
RFT	1851 - 2060		1:100
CBL VDL	520 - 1495	X	
CBL VDL CCL	1300 - 1975	X	
MUD	415 - 2160		X
VELOCITY	415 - 2157	1:1000	X
(+ Airgun Well Velocity Survey and Calibr. log data, 1 stk)			
(+ Synthetic Seismogram, 10 cm/s, 2 stk)			
(+ Synthetic Seismogram, Marine, 10 cm/s, 2 stk)			
(+ V.S.P., 10 cm/s, 9 stk)			

DAILY DRILLING REPORT SYSTEM

Main operation : 7121/07-01



Total : 1368.00 HRS

Main operation	Minutes	Hours	% of total
MOVING	3270	54.50	3.9
DRILLING	41910	698.50	51.0
INTERRUPTION	30	0.50	0.0
FORMATION EVAL	28290	471.50	34.4
COMPLETION	120	2.00	0.1
PLUG & ABANDON	8460	141.00	10.3

MAIN OPERATION: MOVING

Sub operations	Min	% of total
TRANSIT	810	24.77
ANCHOR	2460	75.23
TOTAL	3270	100.00

MAIN OPERATION: DRILLING

Sub operations	Min	% of total
TRIP	6420	15.32
OTHER	2753	6.57
DRILL	14319	34.17
CIRC/COND	2789	6.65
HOLE OPEN	1350	3.22
SURVEY	509	1.21
REAM	1170	2.79
CASING	5070	12.10
BOP/WELLHEAD EQ	3780	9.02
UNDERREAM	2850	6.80
WAIT	720	1.72
BOP ACTIVITIES	180	0.43
TOTAL	41910	100.00

MAIN OPERATION: INTERRUPTION

Sub operations	Min	% of total
MAINTAIN/REP	30	100.00
TOTAL	30	100.00

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	% of total
LOG	4800	16.97
TRIP	6900	24.39
CIRC/COND	2040	7.21
OTHER	8430	29.80
CORE	1440	5.09
DST	4680	16.54
TOTAL	28290	100.00

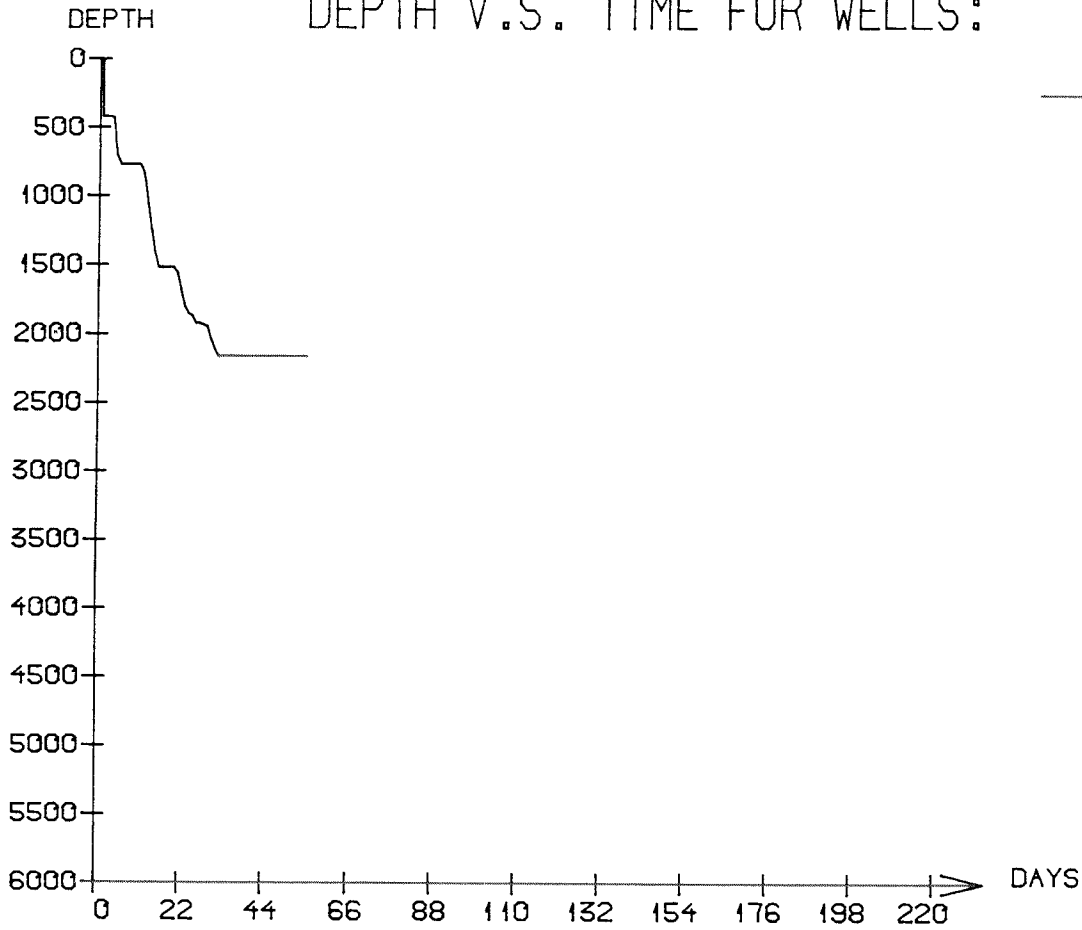
MAIN OPERATION: COMPLETION

Sub operations	Min	% of total
FLOW	120	100.00
TOTAL	120	100.00

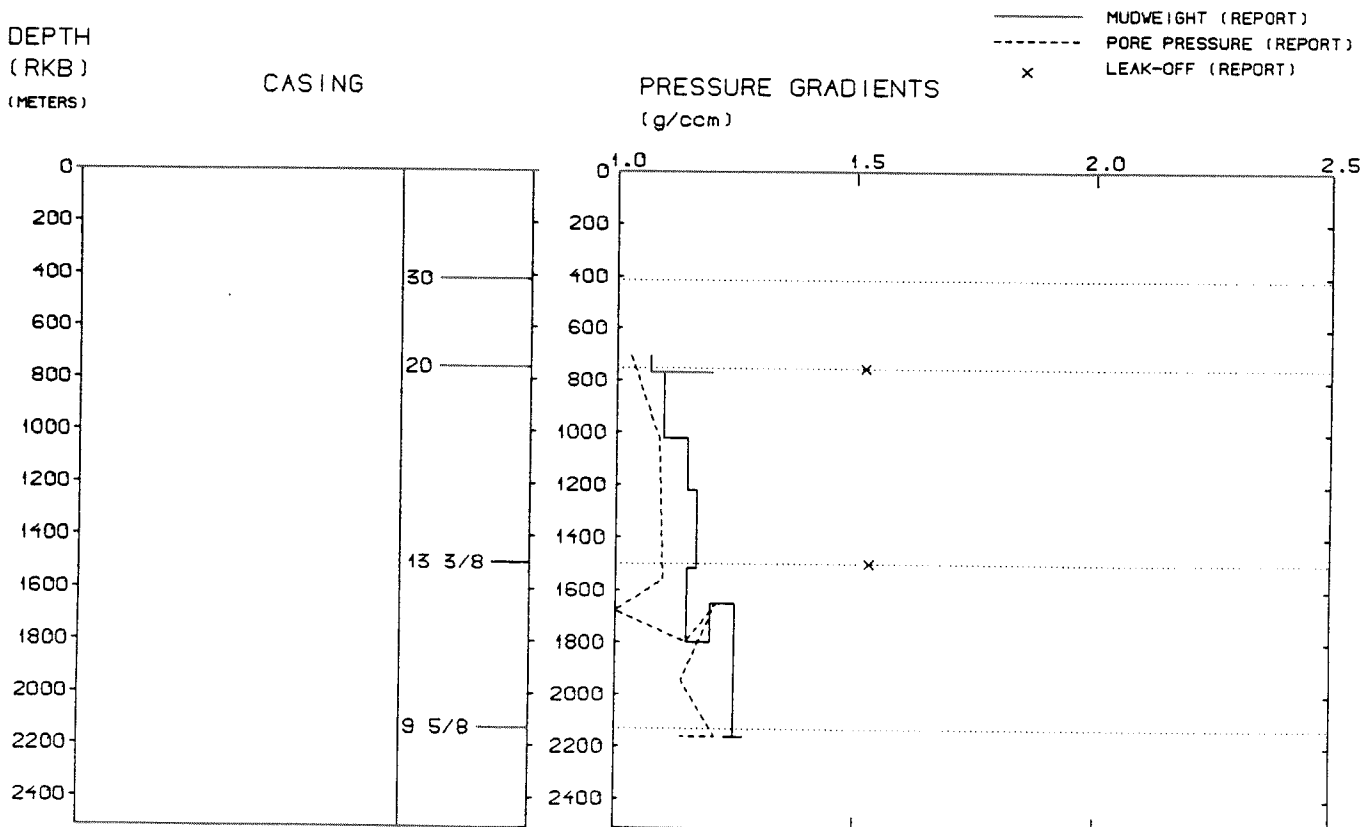
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	% of total
TRIP	3570	42.20
OTHER	2550	30.14
SQUEEZE	210	2.48
CIRC/COND	270	3.19
PERFORATE	150	1.77
MECHANICAL PLUG	360	4.26
CEMENT PLUG	330	3.90
CUT	540	6.38
EQUIP RECOVERY	480	5.67
TOTAL	8460	100.00

DEPTH V.S. TIME FOR WELLS:



WELL: 712107 01 PRESSURE COMPOSITE PLOT



WELL HISTORY - 7121/7-1

GENERAL:

The purpose of the wildcat 7121/7-1 was to test the hydrocarbon potential in the eastern part of the Albatross structure. The primary target was Middle to Lower Jurassic and Upper Triassic sandstones. Hydrocarbons were encountered in the Middle Jurassic sequence.

OPERATIONS:

The well was spudded 11.06.84 by the semi-submersible rig West Vanguard. Four cores were cut in the Middle Jurassic sequence. No major problems occurred during drilling of the well. The well was drilled using water based mud.

TESTING:

Two drill stem tests were performed in the Middle Jurassic sequence. DST no 1 was a water test, DST no 2 was a gas test.

GEOLOGICAL TOPS

WELL: 7121/ 7-01

	<i>Depth m (RKB)</i>
<i>Nordland Group</i>	<i>351.000</i>
<i>Sotbakken Group</i>	<i>442.000</i>
<i>Torsk Fm</i>	<i>442.000</i>
<i>Nygrunnen Group</i>	<i>894.000</i>
<i>Kviting Fm</i>	<i>894.000</i>
<i>Nordvestbanken Group</i>	<i>931.000</i>
<i>Kolmule Fm</i>	<i>931.000</i>
<i>Kolje Fm</i>	<i>1590.000</i>
<i>Knurr Fm</i>	<i>1723.000</i>
<i>Teistengrunnen Group</i>	<i>1790.000</i>
<i>Hekkingen Fm</i>	<i>1790.000</i>
<i>Realgrunnen Group</i>	<i>1850.000</i>
<i>Stø Fm</i>	<i>1850.000</i>
<i>Nordmela Fm</i>	<i>1909.000</i>
<i>Tubåen Fm</i>	<i>2000.000</i>
<i>Fruholmen Fm</i>	<i>2045.000</i>
 <i>TD =</i>	 <i>2160.000</i>