

Well no :	7120/1-2	Operator :	SHELL
Coordinates :	71° 47' 29.04" N 20° 16' 42.98" E	UTM coord.	796603204 N 47483956 E
Licence no :	108	Permit no :	599
Rig :	ROSS RIG	Rig type :	SEMI-SUB.
Contractor :	TRANSNOR RIG AS		
Bottom hole temp:	73 °C	Elev. KB :	23,5 M
Spud. date :	89.01.01	Water depth	304,5 M
Compl. date :	89.03.28	Total depth :	2630 M
Spud. class :	WILDCAT	Form. at TD	TRIASSIC
Compl. class :	P&A. OIL SHOWS	Prod.form. :	
Seisloca :	86 - 107 / 7147 - 82 A		

LICENSEES

5,000000	NORSK HYDRO PRODUKSJON A.S
40,000000	A/S NORSKE SHELL
50,000000	DEN NORSKE STATS OLJESELSKAP A.S
5,000000	ELF PETROLEUM NORGE 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	401,0	36		
INTERM.	20	607,0	26	622,0	1,37
INTERM.	9 5/8	1544,0	12 1/2	1564,0	1,27
LINER	7	2144,0	8 1/2	2151,0	1,34
LINER	4 1/2	2625,0			

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		
		M	%	
1	1815,0 - 1825,0	10,0	100,0	
2	1957,0 - 1968,0	11,0	100,0	
3	2581,0 - 2582,0	1,0	100,0	
4	2582,0 - 2585,5	3,5	100,0	

MUD

Depth	Mud weight	Visc.	Mud type
366,000	1,04		WATER BASED
673,000	1,02	15,0	WATER BASED
827,000	1,20	19,0	WATER BASED
1100,000	1,02	17,0	WATER BASED
1781,000	1,20	24,0	WATER BASED
1830,000	1,18	20,0	WATER BASED
1950,000	1,20	22,0	WATER BASED
1990,000	1,02		WATER BASED

Depth	Mud weight	Visc.	Mud type
2040,000	1,18	22,0	WATER BASED
2050,000	1,03		WATER BASED
2140,000	1,18	20,0	WATER BASED
2585,000	1,20	21,0	WATER BASED
2600,000	1,03		WATER BASED
2630,000	1,20	21,0	WATER BASED
2630,000	1,03		WATER BASED
2630,000	1,20	21,0	WATER BASED

DRILL STEM TEST

INTERVALS AND PRESSURES

Test no.	Interval meter	Choke size	Pressure (PSI) WHP	BTHP	FFP
3,0	1879,000 - 1971,000	12,7			

Test temperature: N/A

RECOVERY

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3
3,0	70			0,673	62

DRILL BIT CUTTINGS AND WET SAMPLES

Sample type	Interval below KB	Number of samples
WET SAMPLES	630 - 2630	300
CUTTING	630 - 2630	240

SHALLOW GAS

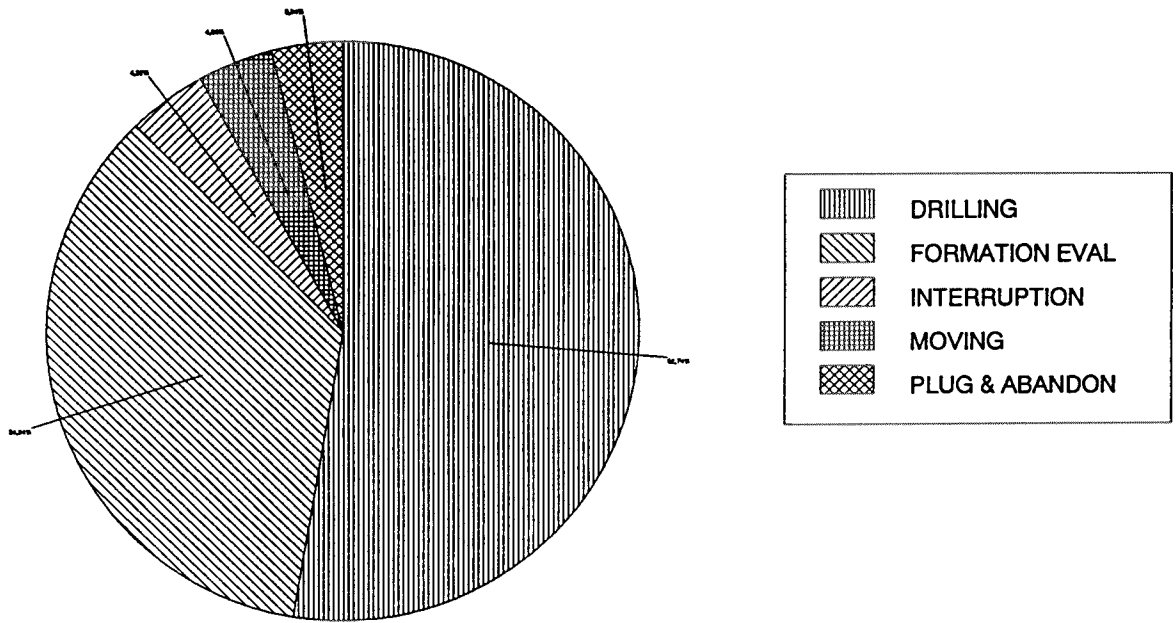
Interval below KB	Remarks

AVAILABLE LOGS

Log type	Intervals	1/200	1/500	Div.
CBL VDL GR	1164,0 - 1546,0	X		
CBL VDL GR CCL 7"	1440,0 - 2145,0	X		
DIL BHC GR	402,0 - 614,0	X	X	
DIL BHC GR	610,0 - 1550,0	X	X	
DIL BHC GR	1546,0 - 2144,0	X	X	
DIL BHC GR	2145,0 - 2564,0	X	X	
DIL BHC GR	2450,0 - 2629,0	X	X	

Log type	Intervals		1/200	1/500	Div.
DLL MSFL GR AMS	2145,0	- 2626,0	X	X	
DLL MSFL GR AMS SP	1546,0	- 2137,0	X	X	
MWD	342,0	- 2140,0		X	
LDL CNL AMS	402,0	- 615,0	X	X	
LDL CNL AMS	610,0	- 1552,0	X	X	
LDL CNL NGS AMS	1546,0	- 2144,0	X	X	
LDL CNL NGS AMS	2450,0	- 2629,0	X	X	
LDL CNL NGT AMS	2144,0	- 2564,0	X	X	
NGS RATIOS	1546,0	- 2144,0	X	X	
NGS SPECTRUM/RATIOS	2144,0	- 2557,0	X		
NGT SPECTRUM/RATIOS	2450,0	- 2629,0	X		
PRESS. EVALUATION	366,0	- 2630,0			1:1000
RFT HP	2508,0	- 2578,0			
RFT HP AMS	1591,0	- 2127,0			
RFT HP AMS	2153,0	- 2541,0			1:100
CDM AP	1550,0	- 2141,0	X	X	
CDM AP	2145,0	- 2630,0	X	X	
SHDT GR AMS	2145,0	- 2630,0	X		
SHDL GR AMS	1546,0	- 2142,0	X		
SHDT CALIPER LOG	1546,0	- 2142,0		X	
MUD	366,0	- 2630,0		X	
VELOCITY	410,0	- 2632,0		X	
GEOGRAM	10 cm/s	- 20 cm/s			4
SYNTH. SEISMOGRAM					
FREQUENCY TEST	10 cm/s	- 20 cm/s			9
VSP PLOT NO: 1-19	10 cm/s	- 20 cm/s			19
SEISMIC CHECKSHOT	415,0	- 2135,0			1

Daily Drilling Report System (DDRS)
Operations for well: 7120/1-2



Main operations	Minutes	Hours	% of total
DRILLING	69105	1151,75	52,74
FORMATION EVAL	45780	763,00	34,94
INTERRUPTION	5655	94,25	4,32
MOVING	5340	89,00	4,08
PLUG & ABANDON	5160	86,00	3,94
Total	131040	2184,00	100,00

Operations for well: 7120/1-2**Main operation: DRILLING**

Sub operations	Minutes	Hours	% of total
BOP ACTIVITIES	3825	63,75	5,54
BOP/WELLHEAD EQ	1875	31,25	2,71
CASING	15315	255,25	22,16
CIRC/COND	3920	65,33	5,67
DRILL	22065	367,75	31,93
HOLE OPEN	510	8,50	0,74
OTHER	645	10,75	0,93
PRESS DETECTION	270	4,50	0,39
REAM	2085	34,75	3,02
SURVEY	1245	20,75	1,80
TRIP	13150	219,17	19,03
WAIT	4200	70,00	6,08
Total	69105	1151,75	100,00

Main operation: FORMATION EVAL

Sub operations	Minutes	Hours	% of total
CIRC SAMPLES	270	4,50	0,59
CIRC/COND	1425	23,75	3,11
CORE	2610	43,50	5,70
DST	420	7,00	0,92
LOG	11325	188,75	24,74
OTHER	2970	49,50	6,49
PROD TEST	19725	328,75	43,09
TRIP	4845	80,75	10,58
WAIT	2190	36,50	4,78
Total	45780	763,00	100,00

Main operation: INTERRUPTION

Sub operations	Minutes	Hours	% of total
FISH	330	5,50	5,84
MAINTAIN/REP	2535	42,25	44,83
WAIT	2790	46,50	49,34
Total	5655	94,25	100,00

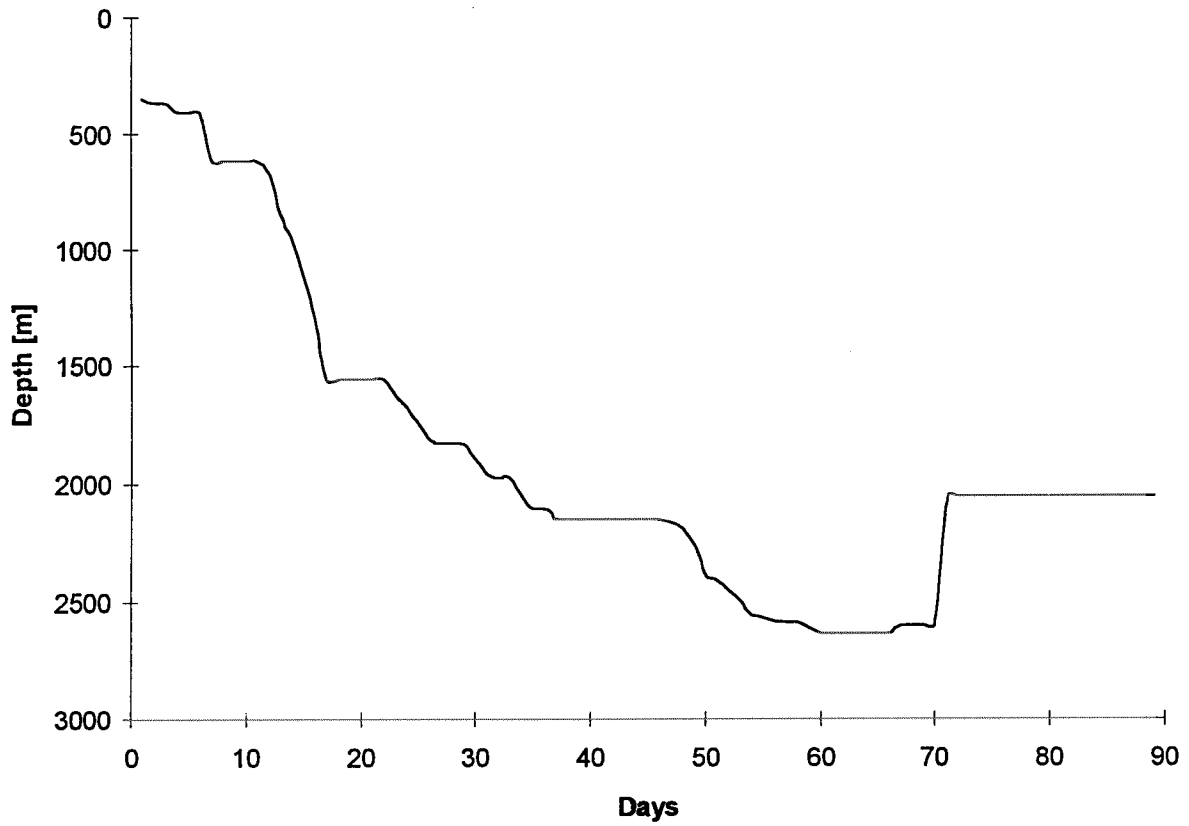
Main operation: MOVING

Sub operations	Minutes	Hours	% of total
ANCHOR	2010	33,50	37,64
POSITION	2100	35,00	39,33
TRANSIT	1230	20,50	23,03
Total	5340	89,00	100,00

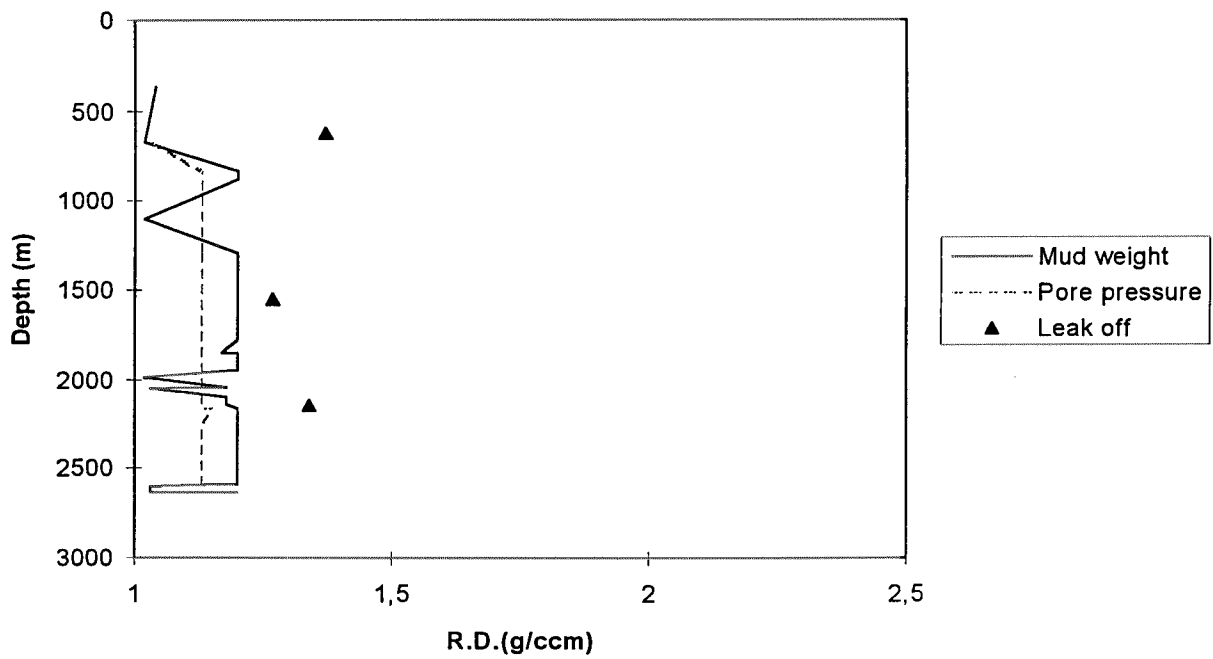
Main operation: PLUG & ABANDON

Sub operations	Minutes	Hours	% of total
CEMENT PLUG	1305	21,75	25,29
CUT	1170	19,50	22,67
EQUIP RECOVERY	1815	30,25	35,17
MECHANICAL PLUG	360	6,00	6,98
TRIP	510	8,50	9,88
Total	5160	86,00	100,00

Depth vs time for well: 7120/1-2



Composite plot for well: 7120/1-2



Well History 7120/1-2.

General:

Well 7120/1-2 was designed to test a Jurassic/Cretaceous wedge play on the souther margin of the Loppa High in the Troms I area of the Barents Shelf. The well was the second well to be drilled in lisenice 108 awarded in the nineth round. The primary objective of the well was to test the uppermost of two seismostratigraphically defined wedges in a large fault-bound closure against the Loppa High. Additional objectives were provided by a lower wedge of inferred Hauterivian age, and Early Jurassic/Late Triassic clastics truncated beneath the Base Cretaceous unconformity, both downdip from the structural culmination. There was a possibillity of gas charged sand at 377 m RKB.

Operations:

Wildcat well 7120/1-2 was spudded 1 January 1989 by the semi-submersibel rig Ross Rig, and completed 28 March 1989 at a depth of 2630 m RKB in Triassic rocks, the Fruholmen Formation clastics. No shallow gas was encountered at any depth. The rig had to be moved three times due to problems with boulders that increased the hole inclination to much. Rough weater conditions, with waves exeeding 16 m, delayed the drilling prosess with several days. A total of five cores were cut in the well, whereof cores four and five jammed. Small amount of hydrocarbon were encountered at several levels in the well. 7120/1-2 was plugged and abandoned with oil in Lower Cretaceous rocks..

Testing:

Three DST tests were performed in this well:

Test no 1, no flow.

Test no 2, flowed water.

Test no 3 flowed oil.

Geological Tops.

Well: 7120/1-2.

	Depth m (RKB)
Nordland Group	328.0
Sotbakken Group	408.0
Torsk Fm	408.0
Nygrunnen Group	1560.0
Kveite Fm	1560.0
Nordvestbanken Group	1585.0
Wedge I	1585.0
Kolje Fm	1826.0
Wedge IIa	1878.0
Teistengrunnen Group	1984.0
Wedge IIb	1984.0
Hekkingen Fm	2138.0
Fuglen Fm	2158.0
Realgrunnen Group	2211.0
Stø Fm	2211.0
Nordmela Fm	2365.0
Tubåen Fm	2452.0
Fruholmen Fm	2506.0
T.D.	2630.0