

Well no : 7119/ 9-01

Operator : ELF

Coordinates	: 71 24 53.19 N 19 49 43.26 E	UTM coord.	: 7924275 N
		UTM zone 34	: 458333 E
Licence no	: 096	Permit no	: 421
Rig	: BYFORD DOLPHIN	Rig type	: SEMI-SUB.
Contractor	: DOLPHIN SERVICES A/S		
Bottom hole temperature	: 117 deg.C	Elev. KB	: 25 M
Spud date	: 84.06.28	Water depth	: 201 M
Compl. date	: 84.09.25	Total depth	: 3243 M
Spud class.	: WILDCAT	Age at TD	: TRIASSIC
Compl. class.	: P&A. DRY HOLE		
Seis. loc.	: EL 8301 - 559 OG EL 8401 - 209		

## LICENSEES

35.000	ELF AQUITAINE NORGE A/S
5.000	NORSK HYDRO PRODUKSJON A.S
10.000	SAGA PETROLEUM A.S.
50.000	DEN NORSKE STATS OLJESELSKAP A.S

## CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm <sup>3</sup>
CONDUCTOR	30	296.0	36	297.0	1.10
SURF.COND.	20	756.0	26	770.0	1.70
INTERM.	13 3/8	1549.0	17 1/2	1563.0	1.73
INTERM.	9 5/8	2724.0	12 1/4	2732.0	2.04
OPEN HOLE			8 1/2	3243.0	

## CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	2745.0 - 2763.0	18.0	99.0	LOWER JURASSIC
2	2763.0 - 2779.0	16.0	99.9	LOWER JURASSIC

## MUD PROPERTIES

Depth below KB meter	Mud weight g/cm <sup>3</sup>	Plastic viscosity mPa.s	Mud type
230.0	1.07		WATER BASED
296.0	1.06		WATER BASED
299.0	1.04	24.0	WATER BASED
400.0	1.06	24.0	WATER BASED
530.0	1.07	11.0	WATER BASED
770.0	1.12	15.0	WATER BASED
773.0	1.15	27.0	WATER BASED
876.0	1.16	30.0	WATER BASED
1030.0	1.17	30.0	WATER BASED
1179.0	1.19	30.0	WATER BASED
1303.0	1.58		WATER BASED
1390.0	1.20	27.0	WATER BASED
1563.0	1.24	38.0	WATER BASED
1570.0	1.26	29.0	WATER BASED
1693.0	1.27	3.0	WATER BASED
1988.0	1.26	26.0	WATER BASED
2053.0	1.27	30.0	WATER BASED
2128.0	1.28	27.0	WATER BASED
2162.0	1.29	30.0	WATER BASED
2212.0	1.28	28.0	WATER BASED
2581.0	1.32	30.0	WATER BASED
2627.0	1.58		WATER BASED
2676.0	1.34	30.0	WATER BASED
2731.0	1.36	32.0	WATER BASED
2745.0	1.55	40.0	WATER BASED
2754.0	1.56	50.0	WATER BASED
2982.0	1.57	48.0	WATER BASED
3242.0	1.58	51.0	WATER BASED

## DRILL STEM TEST

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NO DST'S WERE PERFORMED IN THIS WELL

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## DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	299.5 - 3243	120
WET SAMPLES	299.5 - 3243	260

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## SHALLOW GAS

INTERVAL BELOW KB	REMARKS
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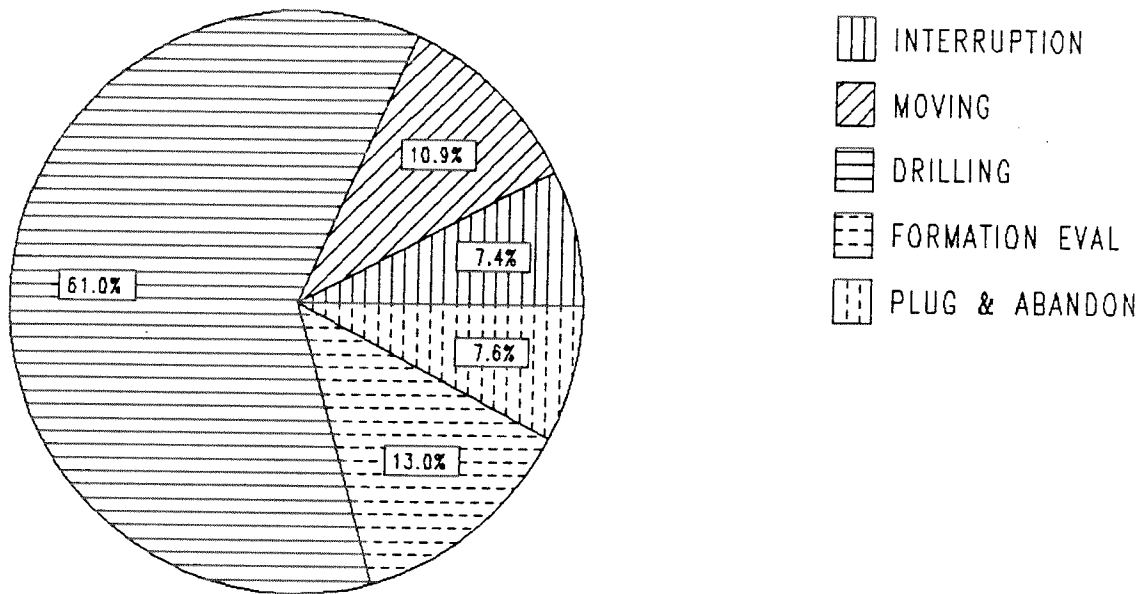
NONE

## AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF SONIC GR	295 - 768	X	
ISF SONIC	755 - 1560	X	
ISF SONIC	1549 - 2380	X	
ISF SONIC	2275 - 2720	X	
ISF SONIC	2725 - 2781	X	
ISF LSS MSFL SP	2725 - 3246	X	
ISF SONIC	218 - 3246		X
LDL CALI	295 - 769	X	X
LDL	755 - 2723	X	X
LDL NGL	1549 - 2723	X	X
LDL CNL NGL	2725 - 3247	X	X
COMPOSITE ISF SLS LDL CNL	296 - 3246	1:1000	X
CDM AP	1549 - 2723	X	
CDM AP	2725 - 3247	X	
SHDT	1549 - 2723	X	
SHDT	2725 - 3247	X	
NGS	1549 - 2723	X	X
NGL	2725 - 3238	X	X
TEMPERATURE	755 - 1558	X	X
TEMPERATURE	755 - 1553	X	X
TEMPERATURE	1549 - 2722	X	X
TEMPERATURE	1549 - 2718	X	X
TEMPERATURE	1549 - 2730	X	X
TEMPERATURE	2725 - 3248	X	X
TEMPERATURE	2725 - 3248	X	X
RFT	2749 - 3202	X	
CBL VDL	489 - 1549	X	
CBL VDL	1485 - 2725	X	X
MUD	230 - 2700		X
VELOCITY	295 - 3246		X
(+ Synthetic Seismogram, 10 cm/s,		2 stk)	
(+ V.S.P., 10 cm/s,		7 stk)	

## DAILY DRILLING REPORT SYSTEM

Main operation : 7119/09-01



Total : 2403.00 HRS

Main operation	Minutes	Hours	% of total
INTERRUPTION	10740	179.00	7.4
MOVING	15750	262.50	10.9
DRILLING	87960	1466.00	61.0
FORMATION EVAL	18780	313.00	13.0
PLUG & ABANDON	10950	182.50	7.5

## MAIN OPERATION: INTERRUPTION

Sub operations	Min	% of total
OTHER	360	3.35
MAINTAIN/REP	2760	25.70
FISH	6810	63.41
WELL CONTROL	690	6.42
WAIT	120	1.12
TOTAL	10740	100.00

## MAIN OPERATION: MOVING

Sub operations	Min	% of total
TRANSIT	13080	83.05
ANCHOR	2670	16.95
TOTAL	15750	100.00

## MAIN OPERATION: DRILLING

Sub operations	Min	% of total
DRILL	45363	51.57
SURVEY	627	0.71
TRIP	15390	17.50
HOLE OPEN	1530	1.74
CASING	10650	12.11
BOP/WELLHEAD EQ	6120	6.96
CIRC/COND	990	1.13
UNDERREAM	1560	1.77
REAM	2310	2.63
BOP ACTIVITIES	3300	3.75
PRESS DETECTION	120	0.14
TOTAL	87960	100.00

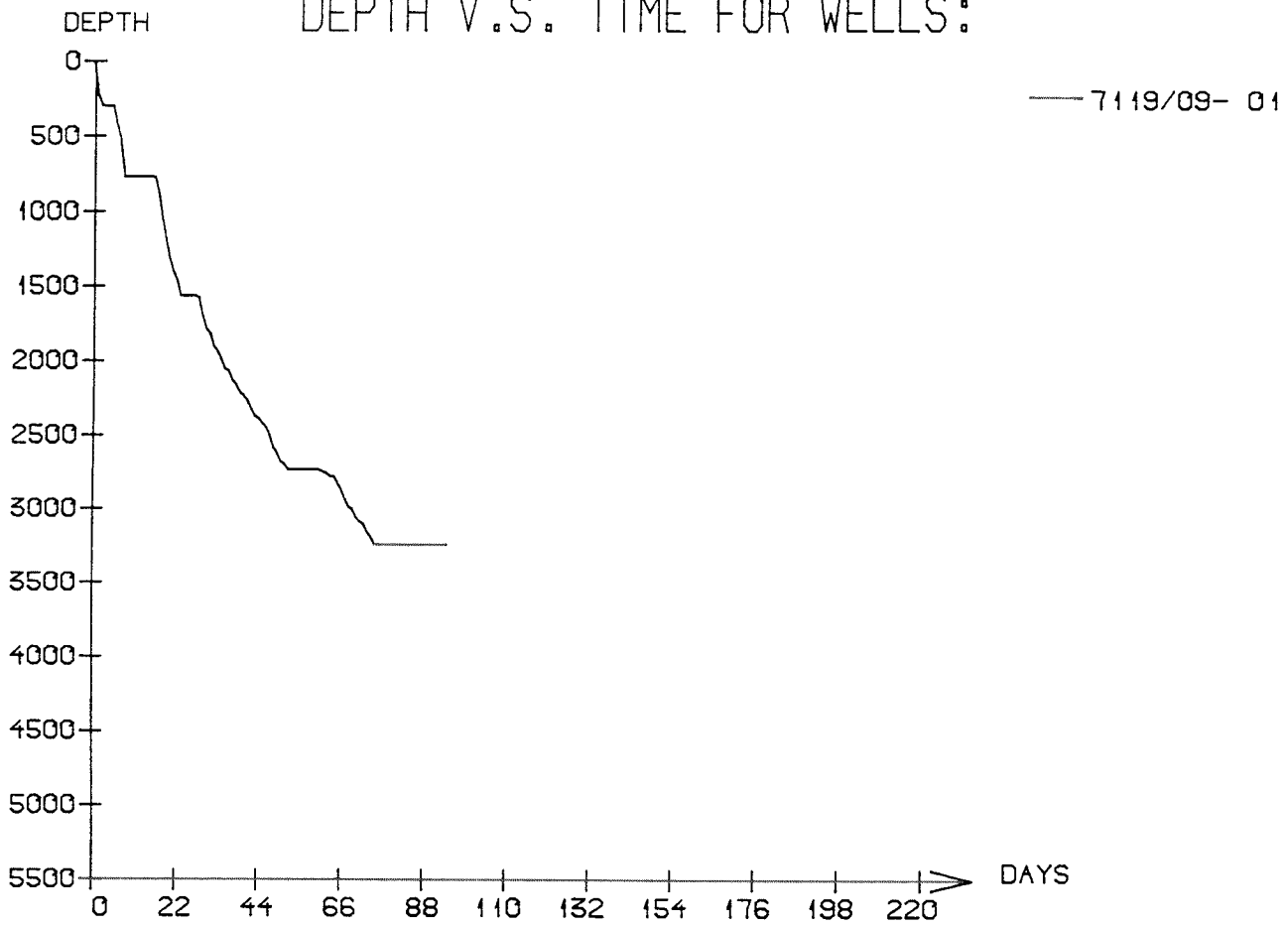
## MAIN OPERATION: FORMATION EVAL

Sub operations	Min	% of total
CIRC/COND	2610	13.90
TRIP	5990	31.90
LOG	8580	45.69
CORE	1510	8.04
RFT/FIT	90	0.48
TOTAL	18780	100.00

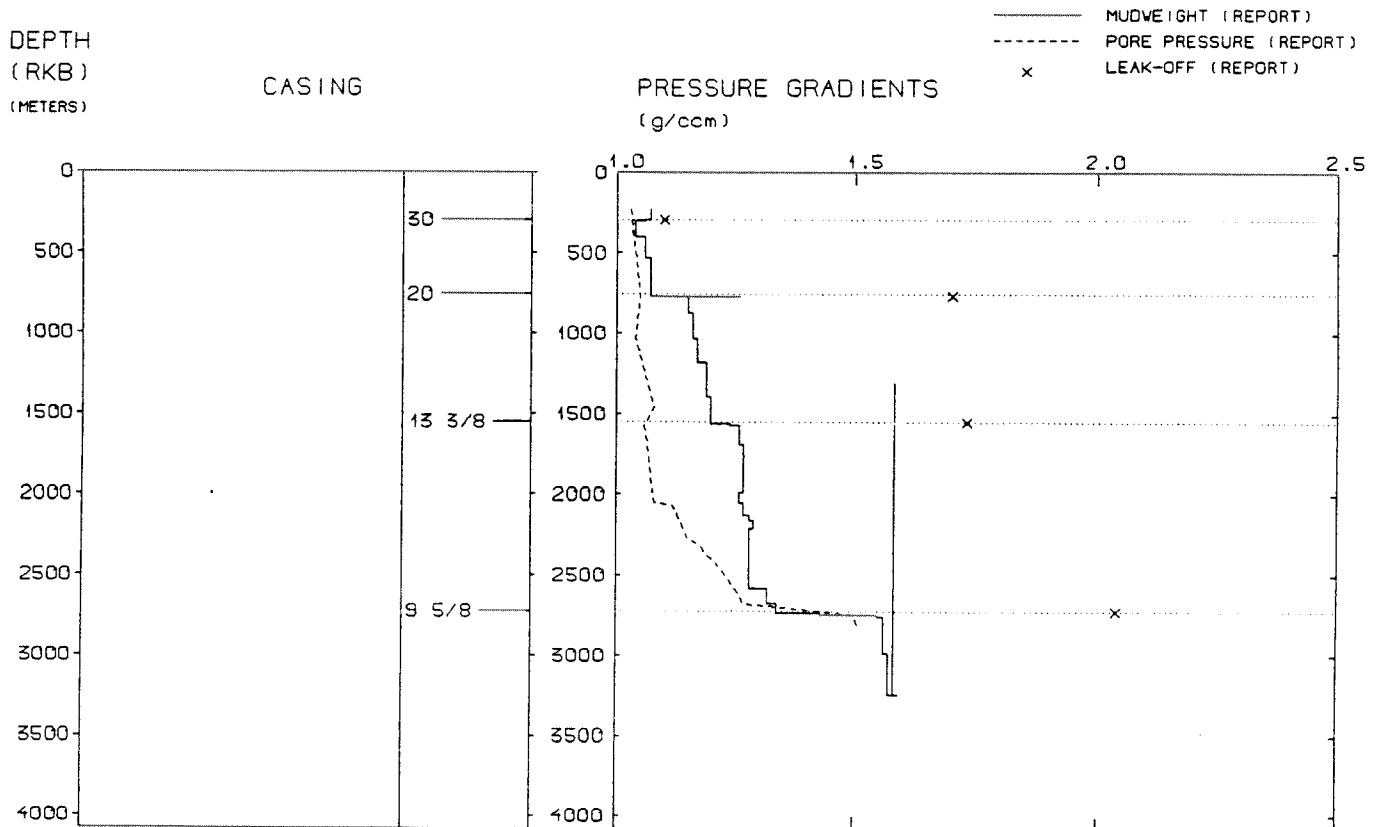
## MAIN OPERATION: PLUG &amp; ABANDON

Sub operations	Min	% of total
TRIP	3390	30.96
CIRC/COND	510	4.66
CEMENT PLUG	990	9.04
OTHER	360	3.29
MECHANICAL PLUG	420	3.84
PERFORATE	960	8.77
SQUEEZE	240	2.19
WAIT	1350	12.33
CUT	900	8.22
EQUIP RECOVERY	1830	16.71
TOTAL	10950	100.00

# DEPTH V.S. TIME FOR WELLS:



## WELL: 711909 01 PRESSURE COMPOSITE PLOT



## WELL HISTORY - 7119/9-1

### GENERAL:

The wildcat 7119/9-1 was designed to test Middle to Lower Jurassic sandstones in an elongated NE-SW stretching horst block. The well encountered water bearing sequences.

### OPERATIONS:

The well was spudded 28.06.84 by the semi-submersible rig Byford Dolphin. Two cores were cut in the Lower Jurassic sequence. The well took a kick at 2745 m, a pit gain of 2 m<sup>3</sup> was observed. Some technical problems occurred on the rig during a wiper trip before final logging of the 8 1/2" hole. During logging of the same sequence the RFT tool got stuck twice but was recovered in both cases. The well was drilled using water based mud.

### TESTING:

The well was not tested.



# GEOLOGICAL TOPS

WELL: 7119/ 9-01

	<i>Depth m (RKB)</i>
<i>Nordland Group</i>	<i>226.000</i>
<i>Sotbakken Group</i>	<i>385.000</i>
<i>Nygrunnen Group</i>	<i>1464.000</i>
<i>Nordvestbanken Group</i>	<i>1587.000</i>
<i>Kolmule Fm</i>	<i>1587.000</i>
<i>Kolje Fm</i>	<i>2294.000</i>
<i>Knurr Fm</i>	<i>2648.000</i>
<i>Teistengrunnen Group</i>	<i>2702.000</i>
<i>Hekkingen Fm</i>	<i>2702.000</i>
<i>Fuglen Fm</i>	<i>2719.000</i>
<i>Realgrunnen Group</i>	<i>2748.000</i>
<i>Stø Fm</i>	<i>2748.000</i>
<i>Nordmela Fm</i>	<i>2868.000</i>
<i>Tubåen Fm</i>	<i>3030.000</i>
<i>Fruholmen Fm</i>	<i>3185.000</i>
 <i>TD =</i>	 <i>3243.000</i>