

Well no : 7120/ 7-01 Operator : STATOIL

Coordinates : 71 18 36.29 N UTM coord. : 7912389 N
20 11 22.21 E 471011 E

Licence no : 077 Permit no : 0341

Rig : NORDRAUG

Contractor : GOLAR-NOR OFFSHORE A/S

Bottom hole temperature : 74 deg.C Elev. KB : 25 M

Spud. date : 82.07.31 Water depth : 236 M

Compl. date : 82.10.08 Total depth : 2842 M

Spud. class : WILDCAT Form. at TD : TRIASSIC

Compl. class : P&A. GAS DISCOVERY Prod. form :

Seisloca : 513 - 122 SP 826

LICENSEES

15,000 NORSK HYDRO PRODUKSJON A.S
10,000 PHILLIPS PETROLEUM CO NORWAY
5,000 SAGA PETROLEUM A.S
50,000 DEN NORSKE STATS OLJESELSKAP A.S
10,000 TEXACO EXPLORATION NORWAY A/S
10,000 TOTAL MARINE NORSK A.S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm
CONDUCTOR	30	319,0	36	319,0	
SURF.COND.	20	365,5	26	370,0	1,15
INTERM.	13 3/8	849,0	17 1/2	865,0	1,48
INTERM.	9 5/8	1904,0	12 1/4	1917,0	1,71
LINER	7	2838,0	8 1/2	2842,0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	2410.5 - 2429.2	18.7	100.0	M.JURASSIC
2	2429.2 - 2442.2	12.9	99.2	M.JURASSIC
3	2442.2 - 2461.0	18.3	97.3	M.JURASSIC
4	2461.0 - 2479.4	18.3	99.5	M.JURASSIC

DRILL STEM TEST									
TEST NO	DEPTH BELOW KB	CHOKE SIZE mm	RECOVERY					PRESS. (psi)	
			OIL Sm ³ /d	GAS M Sm ³ /d	OIL GRAV. g/cm ³	GAS GRAV. rel. air	GOR m ³ /m ³	BHP	WHP
1	2487 - 2505		NO FLOW						
2	2415 - 2435	19.05	18.8*	489	0.780*	0.680	26010	2766	1444

* = CONDENSAT

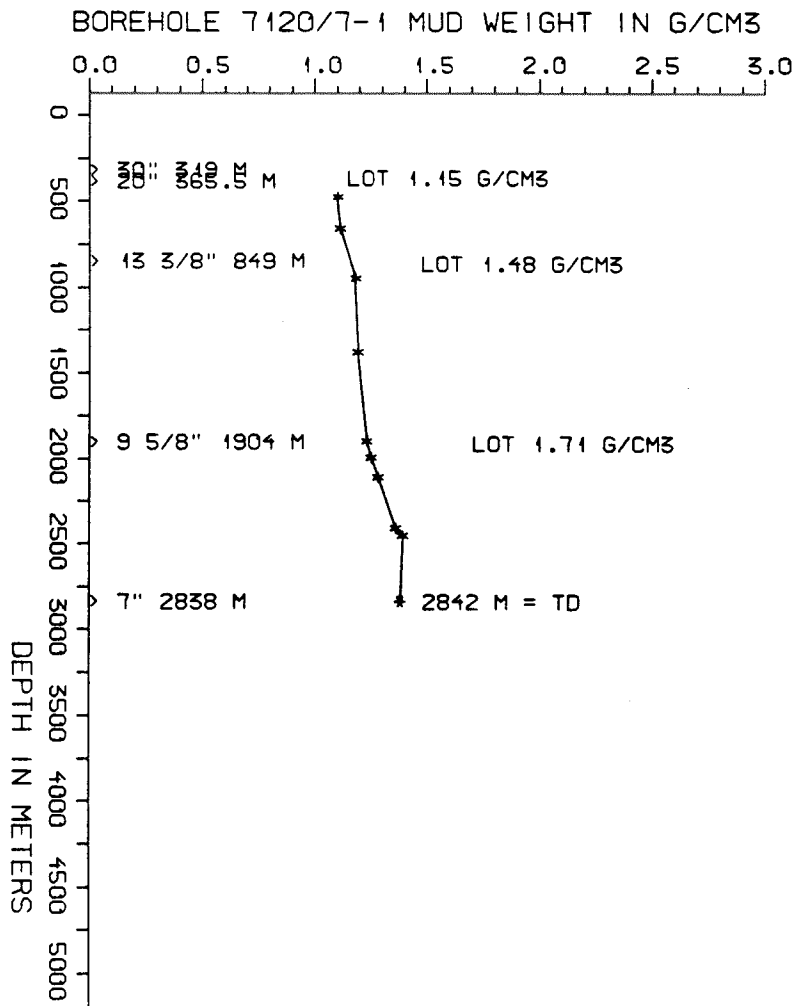
AVAILABLE LOGS			
LOG TYPE	INTERVALS	1/200	1/500
ISF BHC MSFL GR	257 - 750	x	x
ISF BHC	365 - 862	x	x
ISF BHC	849 - 1916	x	x
ISF MSFL	1904 - 2492	x	x
ISF BHC	2400 - 2840	x	x
LDL	319 - 751	x	x
LDL	694 - 863	x	x
LDL	849 - 1917	x	x
LDL CNL	1904 - 2493	x	x
LDL CNL NGS	2400 - 2841	x	x
DLL MSFL	2400 - 2841	x	x
CDM	1904 - 2837	x	
CDM AP	1906 - 2838	x	x
RFT	2400 - 2841	x	
CBL VDL	258 - 849	x	
CBL VDL	525 - 1904	x	
CBL VDL	1749 - 2795	x	
MUD	321 - 2839		x
VELOCITY (S.C.L.)	325 - 2833		x

(Geogram Synthetic Seismogram,
10 cm/s, n/r pol., 5 stk)

MUD PROPERTIES			
DEPTH BELOW KB m	WEIGHT g/cm ³	FUNNEL VISC. sec	FILTRATE LOSS cm ³
410	1.07		
590	1.08		
880	1.15		
1310	1.16		
1835	1.20		
1930	1.22		
2045	1.25		
2345	1.33		
2390	1.36		

DRILL BIT CUTTINGS AND WET SAMPLES		
SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	320 - 2840	780
WET SAMPLES	320 - 2840	560

SHALLOW GAS	
DEPTH INTERVAL m KB	REMARKS
375- 392	SHALLOW GAS IN DIFFERENT LAYERS



WELL HISTORY - 7120/7-1

GENERAL :

Well 7120/7-1 was drilled to test possible hydrocarbon accumulations in sandstones of Middle to Early Jurassic age in the Alpha structure. Hydrocarbons were discovered in these sandstones.

OPERATIONS :

Well 7120/7-1 was spudded by "Nordraug" 31.07.82. A gas bearing sand was detected between 375 and 392 m. Operations continued without any specific problems. During plugging back however, high gas readings occurred after cutting the 9 5/8" casing.

TESTING :

Two DSTs were performed in the Middle Jurassic sandstone. The first test was performed in the water zone. Due to technical problems formation water was not flowed to the surface before the well died. The second test was performed in the gas zone. A planned multi-rate test had to be cancelled due to a gas leak in the riser. Two sets of PVT-samples were obtained. One segregated sample was taken in the transition zone on a RFT run.

GEOLOGICAL TOPS

WELL: 7120/7-1

	<i>Depth m (RKB)</i>
<i>Quaternary</i>	<i>261 m</i>
<i>Tertiary</i>	<i>511 m</i>
<i>Cretaceous</i>	<i>922 m</i>
<i>Jurassic</i>	<i>2248 m</i>
<i>Triassic</i>	<i>2793 m</i>

TD = 2842 m