

WELL NO : 15/9-5

OPERATOR: STATOIL

COORDINATES: 58 DEG. 24'12.47" N
01 DEG. 42'29.20" E

SPUD CLASSIFICATION : APPRAISAL
COMPL. CLASSIFICATION: P&A. GAS DISCOVERY

SEISM. LOC.: 510-314 SP.735

FORMATION AT TD : TRIASSIC

LICENSEE : STATOIL/ESSO/HYDRO

PRODUCING FORMATION :

LICENSE NO : 046

TOTAL DEPTH (MSL) : 3921 M

PERMIT NO : 232

WATER DEPTH : 108 M

RIG : NORSKALD

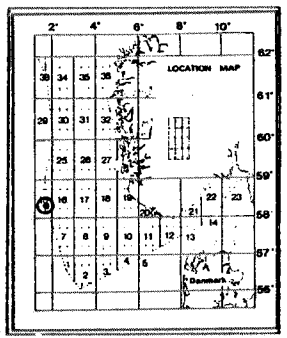
ELEVATION KB : 25 M

CONTRACTOR : GOLAR-NOR OFFSHORE A/S

SPUD DATE : 20.11.79

BOTTOM HOLE TEMPERATURE: 110 °C

COMPL. DATE: 09.04.80



REMARKS:

CASINGS AND LEAK-OFF TESTS

TYPE	CASING DIAM. inches	DEPTH BELOW KB m	HOLE DIAM. inches	DEPTH BELOW KB m	L.O.T MUD EQV. g/cm3
CONDUCTOR	30	158	36	158	
SURF. COND.	20	422	26	437	1.37
INTERM.	13 3/8	1232	17 1/2	1243	1.95
INTERM.	9 5/8	2792	12 1/4	2807	1.72
LINER	7	3663	8 1/2	3664	1.96
			6	3921	

CONVENTIONAL CORES

CORE NO	INTERVALS CORED m	RECOVERY	
		m	%
1	3525.0 - 3543.5	18.5	100
2	3543.5 - 3547.0	3.5	100
3	3547.0 - 3565.4	18.4	100
4 ¹	3565.4 - 3584.1	18.7	100
5	3584.1 - 3600.7	16.1	97
6	3600.7 - 3619.2	17.6	95
7	3619.2 - 3635.4	15.7	97
8	3635.4 - 3645.3	8.4	85
9	3645.3 - 3663.6	17.0	93

¹ NPD does not necessarily have total recovered interval in storage.

MUD PROPERTIES

DEPTH BELOW KB m	WEIGHT. g/cm3	FUNNEL VISC. sec	FILTRATE LOSS cm3	REMARKS
204	1.04	100		
308	1.07	29		
436	1.09	38		
627	1.10	36		
795	1.09	37		
1300	1.20	100	6.0	
1490	1.20	52	8.0	
1913	1.22	53	5.0	
3325	1.38	45	6.0	
3395	1.45	45	5.8	
3580	1.40	50	5.2	
3778	1.35	44	7.2	

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF/SONIC/GR	182 - 3949		X
ISF/SONIC/GR	182 - 461	X	
ISF/SONIC/GR	447 - 1266	X	
ISF/SONIC/GR	1256 - 2833	X	
ISF/SONIC/GR	2827 - 3691	X	
ISF/SONIC/GR	3689 - 3949	X	
FDC/CNL/GR	447 - 1266	X	
FDC/CNL/GR	1256 - 2833	X	
FDC/CNL/GR	2827 - 3691	X	
FDC/CNL/GR	3689 - 3950	X	
FDC/CNL/GR	447 - 3950		X
DLL/MSFL/GR	3475 - 3689	X	X
CDM	2827 - 3688	X	
CDM	3690 - 3950	X	
CDM-AP	2827 - 3689	X	X
CDM-AP	3690 - 3951	X	X
CBL/VDL/GR	1150 - 2825	X	
CBL/VDL/GR	2660 - 3700	X	
CBL/GR	1150 - 2825		X
CBL/GR	2660 - 3700		X
CCL/GR	0 - 2850		X
FMT	TESTS 1 - 1A		
FMT	TEST 3		
FMT	TESTS 3 - 4		
RFT	TESTS 1 - 23		
Mud	133 - 3946	X	1:100
Velocity	182 - 3949	1:1000	X

DRILL STEM TESTS												
TEST NO	FLOW NO	DEPTH BELOW KB	CHOKE SIZE mm	RECOVERY						PRESS. (psi)		
				OIL Sm ³ /day	GAS M Sm ³ /day	OIL GRAV. g/cm ³	GAS GRAV. rel. air	GOR m ³ /m ³	OTHER FLUIDS/REMARKS	FSIP	FFP	
1		3617-3647	25.0	218	0.768	0.799		3.5			6342	5874
2		3588-3593		229	0.865	0.811		3.8			6331	6142
3		3511-3521		206	0.813			3.9			6310	6107

DRILL BIT CUTTINGS AND WET SAMPLES		
SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	183 - 3946	750
WET SAMPLES	190 - 3946	778

SHALLOW GAS	
DEPTH INTERVAL m KB	REMARKS
	NONE

GEOLOGICAL TOPS

WELL : 15/9-5

	Depth m (RKB)
Nordland Group	
Utsira Fm	836
Hordaland Group	1093
Frigg Fm	1918
Rogaland Group	2288
Balder Fm	2288
Sele Fm	2340
Lista Fm	2395
Montrose Group	2448
Heimdal Fm	2448
Maureen Fm	2682
Chalk Group	2749
Ekofisk Fm	2749
Tor Fm	2805
Flounder Fm	2964
Plenus Marl Fm	3210
Hidra Fm	3253
Cromer Knoll Group	3315
Rødby Fm	3315
Viking Group	3432
Draupne Fm	3432
Vestland Group	3526
Hugin Fm	3526
Sleipner Fm	3693
Triassic	3769
Skagerak Fm	3769

TD = 3946