

WELL NO : 31/4-3

OPERATOR: HYDRO

COORDINATES: 60 DEG. 35' 12.20" N  
03 DEG. 05' 38.10" E

SPUD CLASSIFICATION : WILDCAT

SEISM. LOC.: 954 231 SP 586

COMPL. CLASSIFICATION: P&A. OIL & GAS DISCOVERY

LICENSEE : STATOIL/HYDRO/ESSO

FORMATION AT TD : PERMIAN

LICENSE NO : 055

PRODUCING FORMATION : JURASSIC SANDSTONES

PERMIT NO : 236

TOTAL DEPTH (MSL) : 4956 M

RIG : TREASURE SEEKER

WATER DEPTH : 170 M

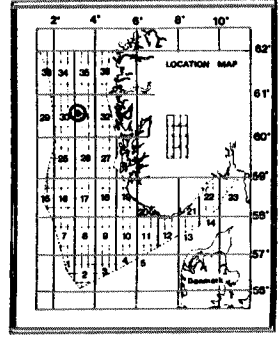
CONTRACTOR : WILHELMSSEN OFFSHORE SERVICES

ELEVATION KB : 25 M

BOTTOM HOLE TEMPERATURE: 143 °C

SPUD DATE : 24.12.79

COMPL. DATE: 11.05.80



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	256	36	256	
SURF. COND.	20	866	26	881	1.74
INTERM.	13 3/8	1899	17 1/2	1915	1.72
INTERM.	9 5/8	3669	12 1/4	3685	1.58
LINER	7		8 3/8	4981	

**CONVENTIONAL CORES**

CORE NO	INTERVALS CORED m	RECOVERY	
		m	%
1	2155.0 - 2171.0	16.0	100
2	2171.0 - 2188.0	15.7	93
3	2357.0 - 2366.3	8.8	95
4	2544.8 - 2562.8	16.7	93
5	2704.8 - 2721.7	13.7	81
6	4973.6 - 4977.8	0.0	0
7	4977.8 - 4981.0	3.2	100

**MUD PROPERTIES**

DEPTH BELOW KB m	WEIGHT g/cm3	FUNNEL VISC. sec	FILTRATE LOSS cm3	REMARKS
265	1.01	150		
907	1.30	49	14.0	
990	1.28	52	12.0	
1361	1.40	71	7.0	
1836	1.42	61	5.0	
1906	1.40	68	5.2	
2078	1.30	40	10.0	
2469	1.31	46	6.8	
2588	1.27	44	7.4	
2652	1.20	44	6.4	
3394	1.22	52	6.0	
3641	1.21	52	6.0	
3755	1.20	42	6.0	
4858	1.19	43	5.2	

**AVAILABLE LOGS**

LOG TYPE	INTERVALS	1/200	1/500
ISF/SONIC/GR	195 - 907	X	
ISF/SONIC/GR	891 - 1941	X	
ISF/SONIC/GR	1924 - 2440	X	
ISF/SONIC/GR	2440 - 3258	X	
ISF/SONIC/GR	3258 - 3712	X	
ISF/SONIC/GR	3692 - 4981	X	
ISF/SONIC/GR	195 - 4981		X
FDC/GR	891 - 1934	X	X
FDC/CNL/GR	1924 - 2441	X	X
FDC/CNL/GR	2441 - 3714	X	X
FDC/CNL/GR	3692 - 4982	X	X
DLL/MSFL	1924 - 2438	X	X
TEMP	225 - 1373		1:1000
CDM	1924 - 3713	X	
CDM	3692 - 4990	X	
CDM-AP	1927 - 3715	X	X
CDM-AP	3692 - 4988	X	X
CBL/VDL	1800 - 3692	X	
CBL	1800 - 3692		X
RFT	TESTS 1 - 37	X	1:40
RFT	TESTS 1 - 16	X	1:100
RFT	TEST 1	X	
Mud	282 - 4981		X
Velocity	283 - 4970	1:1000	X

DRILL STEM TESTS											
TEST NO	FLOW NO	DEPTH BELOW KB	CHOKE SIZE mm	RECOVERY						PRESS. (psi)	
				OIL Sm <sup>3</sup> /day	GAS M Sm <sup>3</sup> /day	OIL GRAV. g/cm <sup>3</sup>	GAS GRAV. rel. air	GOR m <sup>3</sup> /m <sup>3</sup>	OTHER FLUIDS/REMARKS	FSIP	FFP
1		2127.0-2142.0	19	170	11.120	0.851	0.730	64	170 Sm <sup>3</sup> Water		
2		1998.0-2015.0	19	245	152.820	0.825	0.674	641			

DRILL BIT CUTTINGS AND WET SAMPLES		
SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	290 - 4975	1230
WET SAMPLES	290 - 4975	1150

SHALLOW GAS	
DEPTH INTERVAL m KB	REMARKS
	NONE

**GEOLOGICAL TOPS**

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	Depth m (RKB)
Nordland Group	
Utsira Fm	726
Hordaland Group	906
Rogaland Group	1723
Balder Fm	1723
Sele Fm	1744
Lista Fm	1810
Shetland Group	1965
Viking Group	2010
Draupne Fm	2010
Heather Fm	2018
Brent Group	2327
Ness Fm	2327
Etive Fm	2352
Dunlin Group	2372
Drake Fm	2372
Cook Fm	2543
Amundsen Fm	2577
Statfjord Fm	2702
Hegre Group	2879

TD = 4981