

WELL NO : 31/2-2 AND 31/2-2 R

OPERATOR: SHELL

COORDINATES: 60 DEG. 46'47.80" N
03 DEG. 37'23.50" E

SPUD CLASSIFICATION : WILDCAT

SEISM. LOC.: 79416 SP 200

COMPL. CLASSIFICATION: SUSPENDED
RE-ENTRY : P&A OIL AND GAS DISCOVERY
FORMATION AT TD : JURASSIC
RE-ENTRY : TRIASSIC
PRODUCING FORMATION :

LICENSEE : STATOIL/SHELL GR.

LICENSE NO : 054

PERMIT NO : 241

TOTAL DEPTH (MSL) : 1858 M
RE-ENTRY (MSL) : 2568 M
WATER DEPTH : 323 M

RIG : WEST VENTURE

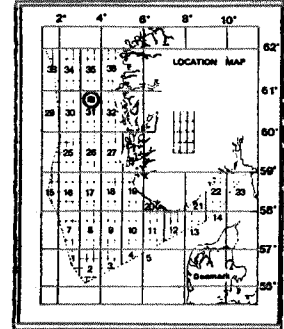
ELEVATION KB : 32 M

CONTRACTOR : A/S SMEDVIG DRILLING

SPUD DATE : 27.02.80
RE-ENTRY: 28.05.80
COMPL. DATE: 23.04.80
RE-ENTRY: 30.09.80

BOTTOM HOLE TEMPERATURE: 43° C/68° C

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	398	36	400	
SURF. COND.	20	768	26	780	1.72
INTERM.	13 3/8	1438	17 1/2	1448	1.64
INTERM.	9 5/8	1817	12 1/4	1826	1.65
RE-ENTRY					
			8 1/2	2568	

CONVENTIONAL CORES

CORE NO	INTERVALS CORED m	RECOVERY	
		m	%
1	1515 - 1525	6.0	60
2	1525 - 1535	2.0	20
3	1535 - 1553	12.6	70
4	1553 - 1560	7.0	100
5	1560 - 1569	9.0	100
6	1569 - 1578	9.0	100
7	1578 - 1585	2.9	42
8	1585 - 1598	13.0	100
9	1598 - 1604	5.6	93
10	1604 - 1608	2.4	59
11	1608 - 1617	4.0	44
12	1617 - 1626	7.0	78
13	1626 - 1635	6.5	72

MUD PROPERTIES

DEPTH BELOW KB m	WEIGHT g/cm3	FUNNEL VISC. sec	FILTRATE LOSS cm3	REMARKS
708	1.22	41	5.8	
840	1.20	45	8.1	
1000	1.22	49	8.9	
1058	1.21	55	9.5	
1408	1.22	50	9.0	
1624	1.26	45	4.9	
RE-ENTRY				
1817	1.16	48	5.2	
1919	1.15	52	4.0	
2225	1.17	52		
2348	1.18	48	5.0	

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF/SONIC/GR	430 - 810	X ¹	X ¹
ISF/SONIC/GR	770 - 1480	X ¹	X ¹
ISF/SONIC/GR	1442 - 1857	X ¹	X ¹
ISF/SONIC/GR ₂	1800 - 2590	X ¹	X ¹
DDBHC/LSS/GR ²	350 - 750	X ¹	X ¹
LSS	795 - 1343	X ¹	X ¹
LSS	1469 - 1855	X ¹	X ¹
LSS	1845 - 2590	X	X
GR	1350 - 1588	X ¹	X ¹
FDC/CNL/GR	430 - 797	X ¹	X ¹
FDC/CNL/GR	795 - 1480	X ¹	X ¹
FDC/CNL/GR	795 - 1343	X ¹	X ¹
FDC/CNL/GR	1442 - 1855	X ¹	X ¹
FDC/CNL/GR	1800 - 2590	X ¹	X ¹
DLL/MSFL	1469 - 1855	X ¹	X ¹
CDM	1469 - 1855	X ¹	X ¹
CDM	1845 - 2590	X	X
CDM-AP	1469 - 2595	X	X
CDM-PP	1545 - 2071		
RFT	TESTS 1 - 15	X	
FIT	1596 - 1606	X ¹	
CBL/VDL	350 - 1825	X ¹	X ¹
CBL/VDL	354 - 1844	X	X
Mud	432 - 2600		X
Velocity	770 - 2590	1:1000	X

¹ Both scales on same log.
² The DDBHC/LSS log was not run above 430 m.

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	THP
1	1 2	1554.5-1556.5	12.7	128.2		0.904			45.8	N.B. WITH GAS LIFT	157
			25.4	298.1		0.904		221.8	590		
		1538.0-1543.0	25.4	33.7	1500.801	ca. 0.79			1015		
3		1521.0-1530.0	25.4		1407.354					865	

DRILL BIT CUTTINGS AND WET SAMPLES		
SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	470 - 1858	250
RE-ENTRY	1858 - 2568	230
WET SAMPLES	490 - 1858	250
RE-ENTRY	1858 - 2568	230

SHALLOW GAS	
DEPTH INTERVAL m KB	REMARKS
	NONE

GEOLOGICAL TOPS

WELL : 31/2-2

	Depth m (RKB)
Nordland Group	355
Hordaland Group	704
Rogaland Group	1124
Balder Fm	1124
Sele Fm	1205
Lista Fm	1226
Shetland Group	1374
Maureen Fm	1374 ?
Cromer Knoll Group	1424
Viking Group	1469.5
Draupne Fm	1469.5
Sognefjord Fm	1545
Heather	1664
Fensfjord	1703
Krossfjord	1848
Heather Fm	1961.5
Brent Group	1985
Ness Fm	1985
Etive Fm	2030
Rannoch Fm	2060
Dunlin Group	2105
Drake Fm	2105
Cook Fm	2162
Amundsen Fm	2202
Johansen Fm	2232.5
Amundsen Fm	2304
Statfjord Fm	2360
Hegre Group	2415

TD = 2600