Well no : 15/12-05 Operator : STATOIL

Coordinates	: 58 04 53.36 N 01 54 53.24 E	UTM coord.	: 6438443 N 435998 E
Licence no	: 38	Permit no	: 507
Rig	: ROSS ISLE	Rig type	: SEMI-SUB.
Contractor	: ROSS DRILLING CO. A/S		
Bottom hole temperature	: deg.C	Elev. KB	: 22 M
Spud. date	: 86.03.12	Water depth	: 84 M
Compl. date	: 86.05.04	Total depth	: 3105 M
Spud. class	: WILDCAT	Form. at TD	: TRIASSIC
Compl. class	: P&A. OIL DISCOVERY	Prod. form	: E.JURASSIC
Seisloca	: ST 8503 - 109 SP. 306		

LICENSEES

50.000000	ESSO NORGE A.S
50.000000	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/cm3
CONDUCTOR	30	217.0	36	217.0	.
SURF.COND.	20	597.0	26	618.0	1.37
INTERM.	13 3/8	1608.0	17 1/2	1625.0	1.72
INTERM.	9 5/8	2875.0	12 1/4	2892.0	2.18
LINER	7	3149.0	8 1/2	3150.0	.

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery M	Recovery %	Series
1	2892.0 - 2904.0	12.0	100.0	
2	2910.5 - 2938.5	27.0	100.0	
3	2939.0 - 2967.0	28.0	100.0	

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Viscosity	Mud type
217.000	1.10	6.0	WATER BASED
618.000	1.16	7.0	WATER BASED
1068.000	1.10	54.0	WATER BASED
1337.000	1.11	52.0	WATER BASED
1600.000	1.57	20.0	WATER BASED
1622.000	1.18	52.0	WATER BASED
1768.000	1.22	60.0	WATER BASED
2223.000	1.27	65.0	WATER BASED
2876.000	1.57	30.0	WATER BASED
2885.000	1.35	19.0	WATER BASED

2889.000	1.57	30.0	WATER BASED
3150.000	1.35	19.0	WATER BASED

DRILL STEM TEST

INTERVALS AND PRESSURES

Test no	interval meter	Choke size	Pressure (PSI) WHP	BTHP	FFP
1.0	2926.000 - 2936.000	15.9	652.7	4804.8	3822.1
	Test temperature: 127 °C				

RECOVERY

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3
1.0	504	35700	0.909	0.795	71

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	220-3496	450
Wet Samples	240-3150	400

SHALLOW GAS

Interval below KB	REMARKS

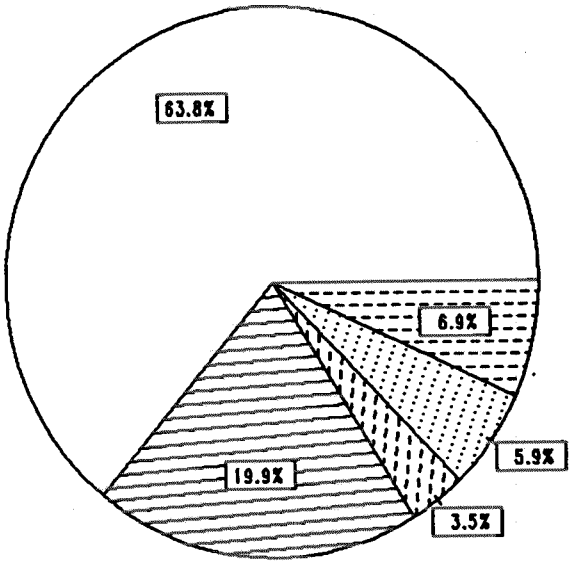
AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500	Div.
DIFL LS BHC AC GR CAL	217.000 - 617.000	X	X	
DIFL LS BHC AC GR CAL	597.200 - 1619.000	X	X	
DIFL LS BHC AC GR CAL	1607.000 - 2888.000	X	X	
DIFL LS BHC AC GR CAL	2875.000 - 3150.500	X	X	
CDL	217.000 - 1600.000	X	X	
CDL CNL GR	2875.000 - 3150.000	X	X	
MLL	2875.000 - 3174.000	X	X	
SHDT/COMPUTED 4-ARM	2876.000 - 3149.500	X		
CDM/SHDT	2876.000 - 3149.000	X		
CDM AP/SHDT STRATADIP	2876.000 - 3149.000	1:40		
FMT HP CRYSTAL GAUGE	2119.000 - 3009.000	X	X	
FMT	2933.000 - 2950.000	X	X	
ACBL VDL	100.000 - 3100.000	X		
PRESS. EVAL. LOG	105.500 - 3150.000	1:5000		

MUD LOG	*105.500 - 3150.000*	
VEOCITY	*228.000 - 2877.000*	*X*
(VSP.Synthetic seismogram 10-20cm/s		*15 stk.)*
(Two-way travel time, 10-20 cm/s		*2 stk.)*

DAILY DRILLING REPORT SYSTEM

Main operations for well : 0015/12 - 05



DRILLING
FORMATION EVAL
INTERRUPTION
MOVING
PLUG & ABANDON

Total : 1344.00 hours

Main operation	Minutes	Hours	% of total
DRILLING	51450	857.50	63.80
FORMATION EVAL	16050	267.50	19.90
INTERRUPTION	2790	46.50	3.46
MOVING	4770	79.50	5.92
PLUG & ABANDON	5580	93.00	6.92

MAIN OPERATIONS FOR WELL : 0015 / 12 - 05

MAIN OPERATION : DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	1140	19.00	2.22
BOP/WELLHEAD EQ	3150	52.50	6.12
CASING	8760	146.00	17.03
CIRC/COND	3180	53.00	6.18
DRILL	19950	332.50	38.78
OTHER	210	3.50	0.41
REAM	1890	31.50	3.67
SURVEY	390	6.50	0.76
TRIP	10320	172.00	20.06
UNDERREAM	1680	28.00	3.27
WAIT	780	13.00	1.52
Total	51450	857.50	100.00

MAIN OPERATION : FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CIRC SAMPLES	270	4.50	1.68
CIRC/COND	270	4.50	1.68
CORE	870	14.50	5.42
DST	6030	100.50	37.57
LOG	5460	91.00	34.02
TRIP	3150	52.50	19.63
Total	16050	267.50	100.00

MAIN OPERATION : INTERRUPTION

Sub operations	Minutes	Hrs	% of total
FISH	1080	18.00	38.71
MAINTAIN/REP	390	6.50	13.98
WAIT	1320	22.00	47.31
Total	2790	46.50	100.00

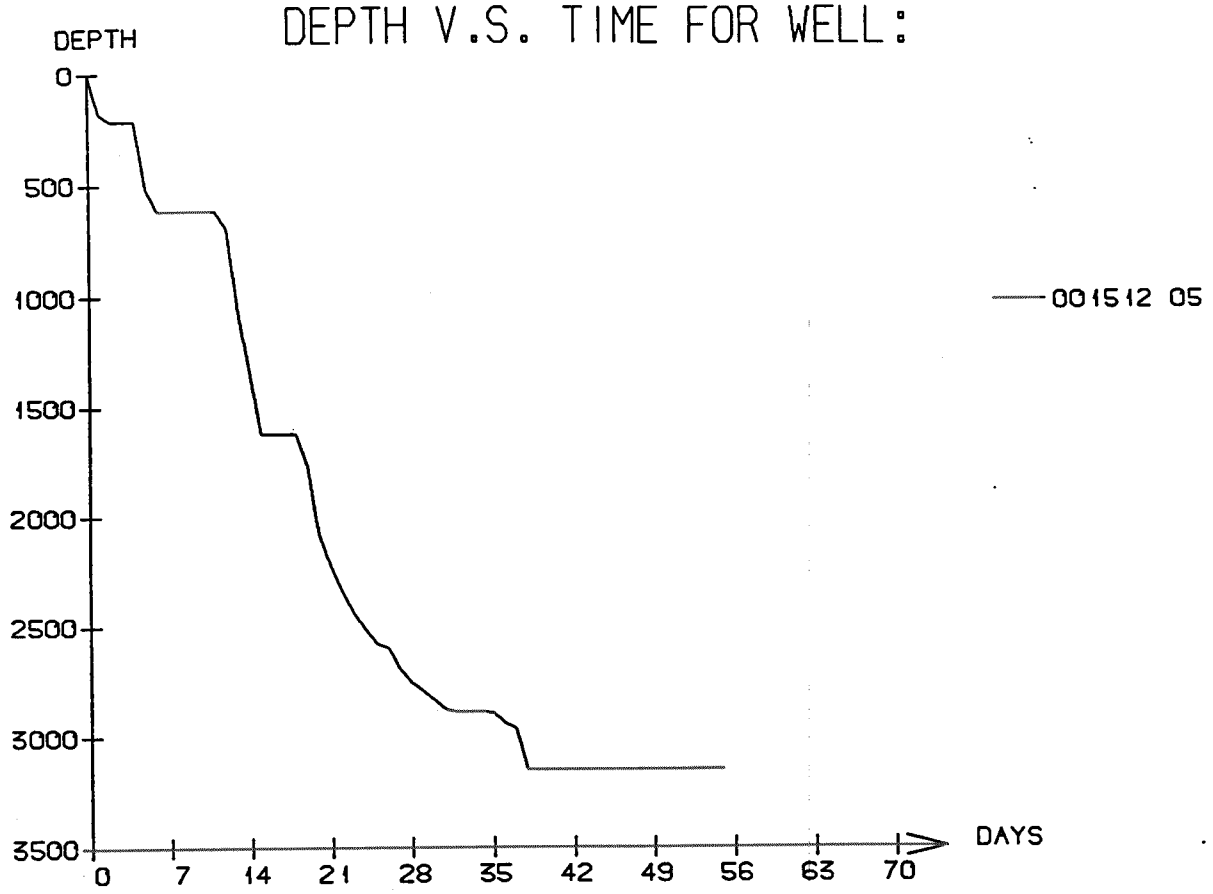
MAIN OPERATION : MOVING

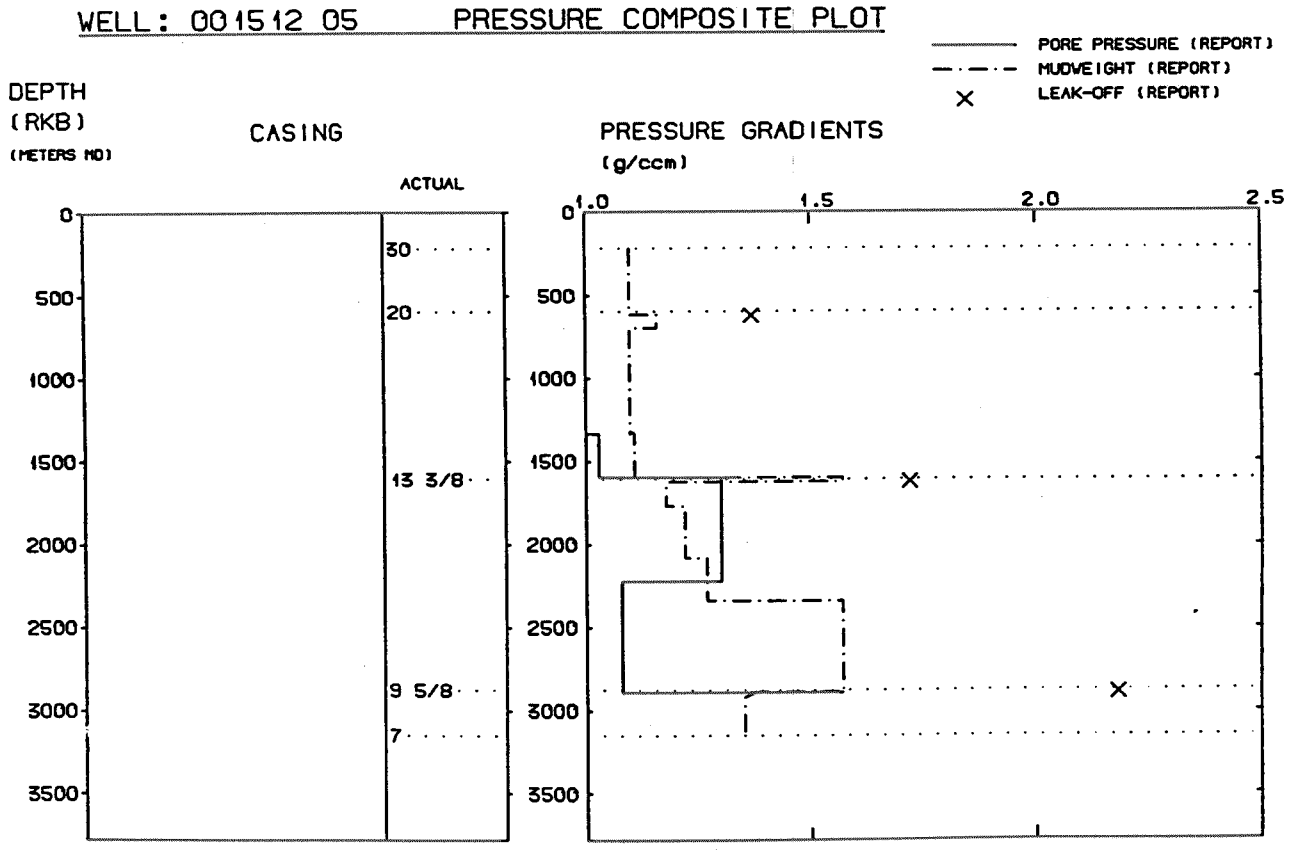
Sub operations	Minutes	Hrs	% of total
ANCHOR	3030	50.50	63.52
TRANSIT	1740	29.00	36.48
Total	4770	79.50	100.00

MAIN OPERATION : PLUG & ABANDON

Sub operations	Minutes	Hrs	% of total
CEMENT PLUG	240	4.00	4.30
CIRC/COND	240	4.00	4.30
CUT	510	8.50	9.14
EQUIP RECOVERY	1080	18.00	19.35
MECHANICAL PLUG	270	4.50	4.84
OTHER	90	1.50	1.61
PERFORATE	300	5.00	5.38
SQUEEZE	30	0.50	0.54
TRIP	2820	47.00	50.54
Total	5580	93.00	100.00

Total time used 1344.00 hrs


DEPTH V.S. TIME FOR WELL:
DEPTH
0
500
1000
1500
2000
2500
3000
3500
0
7
14
21
28
35
42
49
56
63
70
DAYS
001512 05


WELL: 001512 05 PRESSURE COMPOSITE PLOT
PORE PRESSURE (REPORT)
MUDWEIGHT (REPORT)
LEAK-OFF (REPORT)
DEPTH
(RKB)
(METERS MD)
CASING
ACTUAL
30
20
13 3/8
9 5/8
7
PRESSURE GRADIENTS
(g/ccm)
1.0
1.5
2.0
2.5
0
500
1000
1500
2000
2500
3000
3500

WEll History 15/12-5.

GENERAL:

Well 15/12-5 was drilled on the Beta-Central structure on block 15/12, and was designed to test the hydrocarbon accumulation in different levels. Primary objective was the Jurassic Sst. Secondary objective was the Frigg Fm sand and fractured Sst of Cretaceous age. Seismic anomalies indicated shallow gas.

The Upper Jurassic Sst, Ula Fm, was expected to come in at 2830 m, and the Upper Cretaceous Hod Fm at 2590 m.

Prognosed TD: was 3100 m RKB in Sst of Triassic age.

OPERATIONS:

Wildcat well 15/12-5 was spudded 12 March 1986 by Ross Offshore semi-submersibel rig Ross Isle, and completed 4 May 1986 at a depth of 3150 m RKB in Triassic rocks. Drilling proceeded without significant problems. Indications of shallow gas was not encountered.

Top Cretaceous came in at 2457 m RKB, and Jurassic at 2842 m RKB. Top reservoir was encountered at 2817 m RKB with good shows. The OWC came in at 2941 m RKB, 28 m below that of well 15/12-4. This is probably due to a flow barrier caused by the fault system with a maximum throw of apprx. 100 m, that separates the Bete-West and Beta-Central structures. Due to RFT measurements and FIT tests, Statoil decided to go for"sole risk" testing, since Esso denied to partisipate in the testing program.

TESTING:

One DST-test was performed in the interval 2927 - 2937 m RKB.

GEOLOGICAL TOPS

WELL: 15/12-5

	Depth m (RKB)
Nordland Group	*105.5*
Utsira Fm.	*1024.0*
Hordaland Group	*1247.0*
Rogaland Group	*2276.0*
Balder Fm.	*2276.0*
Sele Fm.	*2291.0*
Lista Fm.	*2325.0*
Maureen Fm.	*2418.0*
Shetland Group	*2439.0*
Ekofisk Fm.	*2439.0*
Tor Fm.	*2457.0*
Hod Fm.	*2615.0*
Blodøks Fm.	*2740.0*
Cromer Knoll Group	*2792.0*
Rødby Fm.	*2792.0*
Sola Fm.	*2827.0*
Viking Group	*2841.0*
Draupne Fm.	*2841.0*
Heather Fm.	*2888.0*
Vestland Group	*2918.0*
Hugin Fm.	*2918.0*
Triassic Group	*3077.0*
Skagerak Fm.	*3077.0*
T.D.	*3150.0*