

## WDSS Report

Date: 03/03/98

PB/SKR

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<b>Well no:</b>	<b>Operator:</b>
<b>10/07-01</b>	<b>ESSO</b>

### Well

Coordinates :	57° 28' 23.30" N 05° 03' 33.21" E	UTM coord. :	6372070.68 N 623496.64 E
License no :	165	Permit no :	735
Rig :	ARCADE FRONTIER	Rig type :	SEMI-SUB.
Contractor :	ARCADE DRILLING A.S		
Bottom hole temp:	65 °C	Elev. KB :	25 M
Spud. date :	92.06.28	Water depth :	87 M
Compl. date :	92.07.30	Total depth :	1890 M
Spud. class :	WILDCAT	Form. at TD :	PERMIAN
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	SG 8726-409, SP. 3115		

### Licenses

25.000000 ESSO EXPL. & PROD. NORWAY A/S  
15.000000 MOBIL DEVELOPMENT NORWAY AS  
50.000000 DEN NORSKE STATS OLJESELSKAP A.S  
10.000000 ENTERPRISE OIL NORWEGIAN AS

### Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	145.0	36	147.0	
INTERM.	13 3/8	779.0	17 1/2	793.0	
OPEN HOLE		1890.0	12 1/4	1890.0	

### Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	1561.0 - 1565.2	4.2	100.0

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### Mud

Depth	Mud weight	Visc.	Mud type
115.0	1.04		WATER BASED
132.0	1.04		WATER BASED
147.0	1.04		WATER BASED
505.0	1.04		WATER BASED
666.0	1.20	38.0	WATER BASED
793.0	1.11		WATER BASED
804.0	1.11	10.0	WATER BASED
889.0	1.15	10.0	WATER BASED
987.0	1.15	10.0	WATER BASED
1070.0	1.15	10.0	WATER BASED
1230.0	1.17		WATER BASED
1288.0	1.26	36.0	WATER BASED
1379.0	1.29	42.0	WATER BASED
1541.0	1.33	41.0	WATER BASED
1565.0	1.38	44.0	WATER BASED
1681.0	1.38	45.0	WATER BASED
1842.0	1.38	43.0	WATER BASED
1890.0	1.38	43.0	WATER BASED

### Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP

### Drill Stem Test (recovery)

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3

### Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	800 - 1890	150

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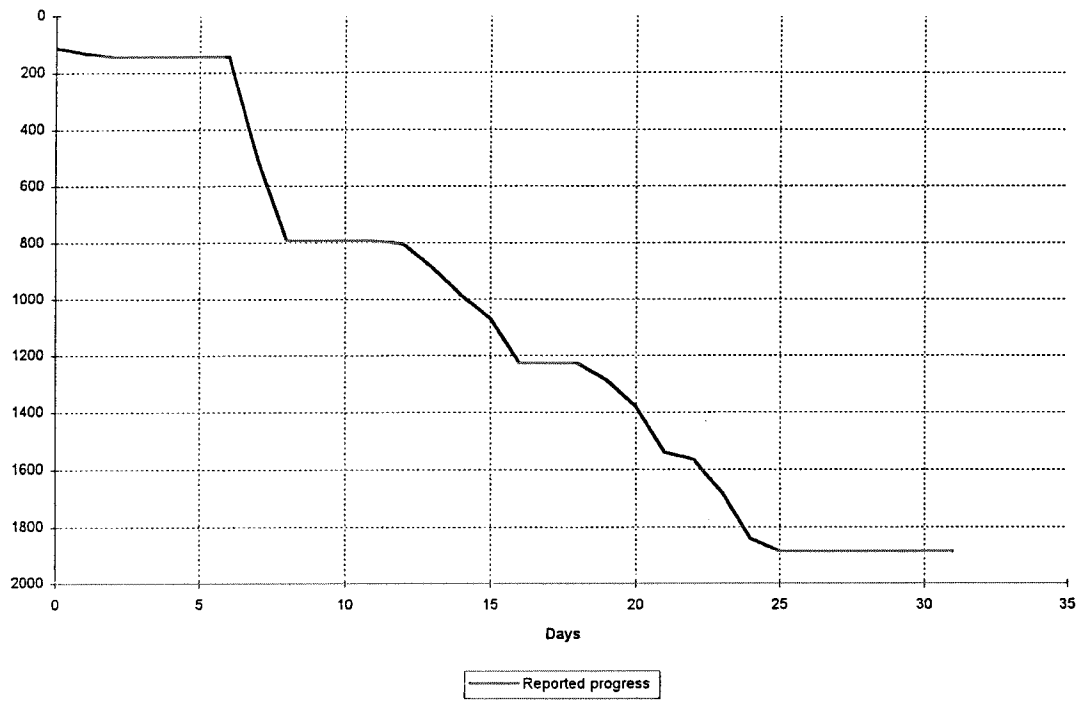
## Shallow Gas

Interval below KB	Remarks

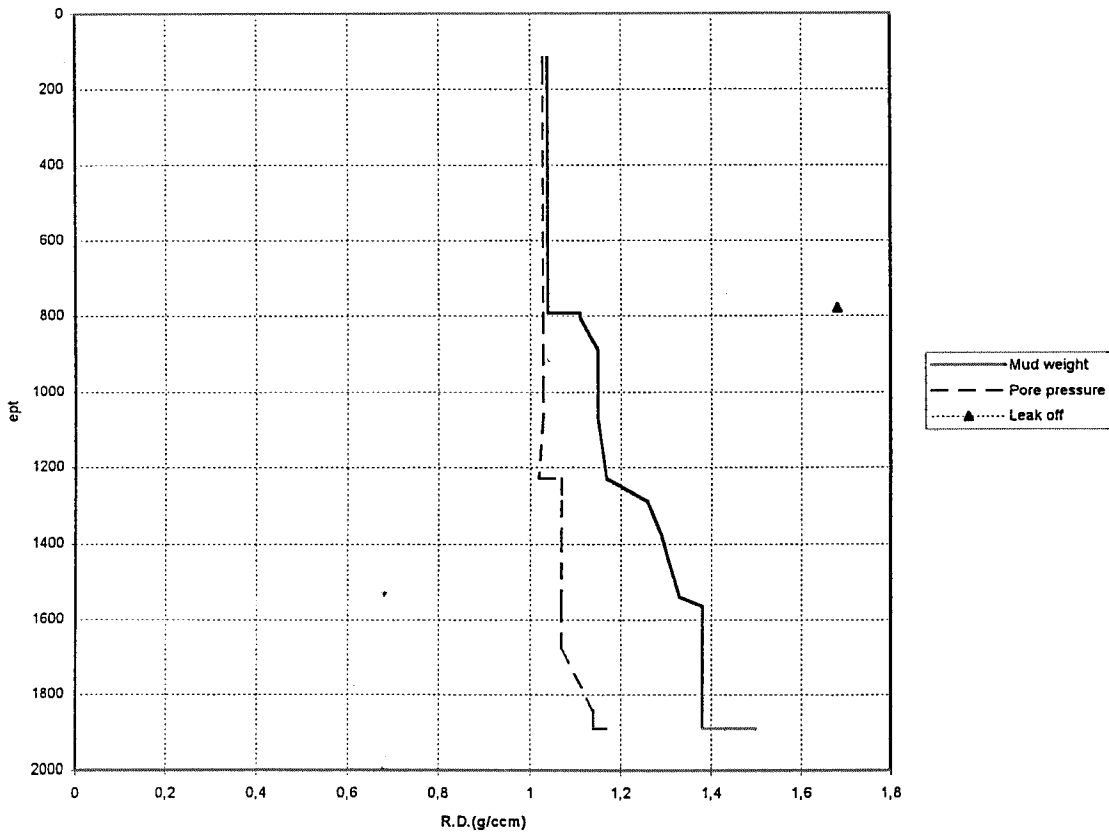
## Available Logs

Log type	Intervals logged	1/200	1/500	
ACOUSTIC CEMENT BOND	110.0 - 656.0			
DIPLOG	777.0 - 1888.0			
DUAL LATEROLOG BHC	777.0 - 1887.0			
FORMATION MULTI TEST	1542.0 - 1823.0			
MWD EQW LOG	150.0 - 786.0			
SYNTHETIC SEISMOGRAM				
TEMPERATURE LOG	110.0 - 665.0			
TWO WAY TRAVEL TIME				
VSP				
Z DENSILOG NEUTRON	777.0 - 1887.0			

Depth v.s. time plot for well: 10/7-1



Composite plot for well: 10/7-1



**Main operations for well: 10/7-1****Main operation: DRILLING**

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	90	1,5	0,29
BOP/WELLHEAD EQ	3150	52,5	9,99
CASING	5130	85,5	16,26
CIRC/COND	885	14,8	2,81
DRILL	12045	200,8	38,18
HOLE OPEN	1455	24,3	4,61
OTHER	90	1,5	0,29
REAM	1620	27,0	5,14
SURVEY	1260	21,0	3,99
TRIP	5760	96,0	18,26
WAIT	60	1,0	0,19
<b>Total</b>	<b>31545</b>	<b>525,8</b>	<b>100,00</b>

**Main operation: FORMATION EVAL**

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	210	3,5	5,38
CIRC/COND	120	2,0	3,08
CORE	420	7,0	10,77
LOG	2265	37,8	58,08
TRIP	885	14,8	22,69
<b>Total</b>	<b>3900</b>	<b>65,0</b>	<b>100,00</b>

**Main operation: INTERRUPTION**

Sub operation:	Minutes:	Hours:	% of total:
FISH	855	14,3	12,34
MAINTAIN/REP	6075	101,3	87,66
<b>Total</b>	<b>6930</b>	<b>115,5</b>	<b>100,00</b>

**Main operation: MOVING**

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	2805	46,8	70,30
POSITION	255	4,3	6,39
TRANSIT	930	15,5	23,31
<b>Total</b>	<b>3990</b>	<b>66,5</b>	<b>100,00</b>

**Main operation: PLUG & ABANDON**

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	225	3,8	8,67
CIRC/COND	375	6,3	14,45
CUT	15	0,3	0,58
EQUIP RECOVERY	285	4,8	10,98
MECHANICAL PLUG	255	4,3	9,83
TRIP	1185	19,8	45,66
WAIT	255	4,3	9,83
<b>Total</b>	<b>2595</b>	<b>43,3</b>	<b>100,00</b>

Total time used:  Hours

# WELL HISTORY 10/7 -1

## GENERAL:

Well 10/7 -1 was designated to test the "Tott" prospect, a faulted anticline over a salt wall. The middle Jurassic Bryne formation was the primary objective. Thin Sandnes Formation sandstone overlying the Bryne Formation was interpreted to be possible at the drilled location.

The primary risk of the "Tott" prospect was migration distance. The integrity of the top seal and fault seal were considered secondary risks.

## OPERATION:

Well 10/7 -1 was spudded on June 28 1992 with the semi submersible drilling rig "Sonat Arcade Frontier" and completed July 23 at a depth of 1890m RKB in rocks of Permian age.

Good reservoir quality sandstone was encountered in both the Sandnes and Bryne Formation of the Vestland Group. The top of the Sandnes was penetrated at 1538.5m RKB, the top of the Bryne Formation at 1632m RKB. Total thickness of the Vestland Group is 297m.

From drill cuttings, fair to good visible porosity was observed in fine to coarse-grained sandstone throughout the Vestland Group. Significant shows were not observed in drill cutting samples. The well was plugged and abandoned as a dry well.

## TESTING:

No DST tests were performed.

# Geological Tops.

## Well: 10/7-1.

	Depth m (RKB).
Nordland Group	110.0
Hordaland Group	451.0
Rogaland Group	652.0
Balder Fm	673.0
Shetland Group	781.0
Cromer Knoll Group	1022.0
Balder Fm	1022.0
Boknfjord Group	1295.0
Flekkefjord Fm	1295.0
Vestland Group	1538.5
Sandnes Fm	1538.5
Bryne Fm	1632.0
Perm	1835.5
T.D.	1890.0