

## WDSS Report

Date: 26/09/96

PB/SKR

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Well no:	Operator:
<b>34/07-17 A</b>	<b>SAGA</b>

### Well

<p>Coordinates : 61° 20' 50.69" N 02° 05' 42.31" E</p> <p>License no : 89</p> <p>Rig : TREASURE SAGA</p> <p>Contractor : TRANSOCEAN AS</p> <p>Bottom hole temp: 76°C</p> <p>Spud. date : 91.04.07</p> <p>Compl. date : 91.05.04</p> <p>Spud. class : APPRAISAL</p> <p>Compl. class : P&amp;A. OIL/GAS</p> <p>Seisloca : GE-83 ROW 341 COL 1025</p>	<p>UTM coord. : 6801982.38 N 451591.07 E</p> <p>Permit no : 677</p> <p>Rig type : SEMI-SUB.</p> <p>Elev. KB : 26 M</p> <p>Water depth : 259 M</p> <p>Total depth : 2650 M</p> <p>Form. at TD : M.JURASSIC</p> <p>Prod.form. :</p>
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### Licenseses

.700000 DNO OLJE A/S

5.600000 ELF PETROLEUM NORGE AS

10.500000 ESSO EXPL. & PROD. NORWAY A/S

8.400000 NORSK HYDRO PRODUKSJON AS

9.600000 IDEMITSU PETROLEUM NORGE AS

7.000000 SAGA PETROLEUM A.S.

55.400000 DEN NORSKE STATS OLJESELSKAP A.S

2.800000 DEMINEX NORGE AS

### Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
INTERM.	9 5/8	2633.0	12 1/4	2650.0	

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### Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	2497.0 - 2517.0	20.0	100.0

### Mud

Depth	Mud weight	Visc.	Mud type
2460.0	1.65	28.0	WATER BASED
2493.0	1.70	33.0	WATER BASED

### Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
1.0	2495.0 - 2499.0	15.6	710.6	3669.3	

### Drill Stem Test (recovery)

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3
1.0	719	36000	0.850	0.800	50

### Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	1995 - 2649	120
CUTTINGS	1995 - 2649	60

### Shallow Gas

Interval	Remarks
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<b>below KB</b>	

**Available Logs**

Log type	Intervals logged	1/200	1/500	
CDM AP/SHDT MSD	1954.0 - 2644.0			
CDM AP/SHDT MSD	1954.0 - 3117.0			
CPI ELAN	2490.0 - 2647.0			
HP RFT GR	2496.0 - 2518.0			
LDL CNL GR	1954.0 - 2651.0			
MUDLOG/MASTERLOG	1955.0 - 2650.0			
MWD MD+TVD	1994.0 - 2650.0			
PI MSFL SDT SP GR	1954.0 - 2647.0			
REPEAT FMT	2496.0 - 2652.0			
SHDT GR	1954.0 - 2651.0			

## Main operations for well: 34/7-17 A

### Main operation: DRILLING

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	420	7,0	3,02
BOP/WELLHEAD EQ	360	6,0	2,59
CASING	1770	29,5	12,72
CIRC/COND	990	16,5	7,11
DRILL	6870	114,5	49,35
REAM	180	3,0	1,29
TRIP	3330	55,5	23,92
<b>Total</b>	<b>13920</b>	<b>232,0</b>	<b>100,00</b>

### Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	120	2,0	0,90
CIRC/COND	240	4,0	1,81
CORE	300	5,0	2,26
DST	8130	135,5	61,31
LOG	2730	45,5	20,59
TRIP	1740	29,0	13,12
<b>Total</b>	<b>13260</b>	<b>221,0</b>	<b>100,00</b>

### Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	450	7,5	5,70
MAINTAIN/REP	5430	90,5	68,82
OTHER	390	6,5	4,94
WAIT	1620	27,0	20,53
<b>Total</b>	<b>7890</b>	<b>131,5</b>	<b>100,00</b>

### Main operation: MOVING

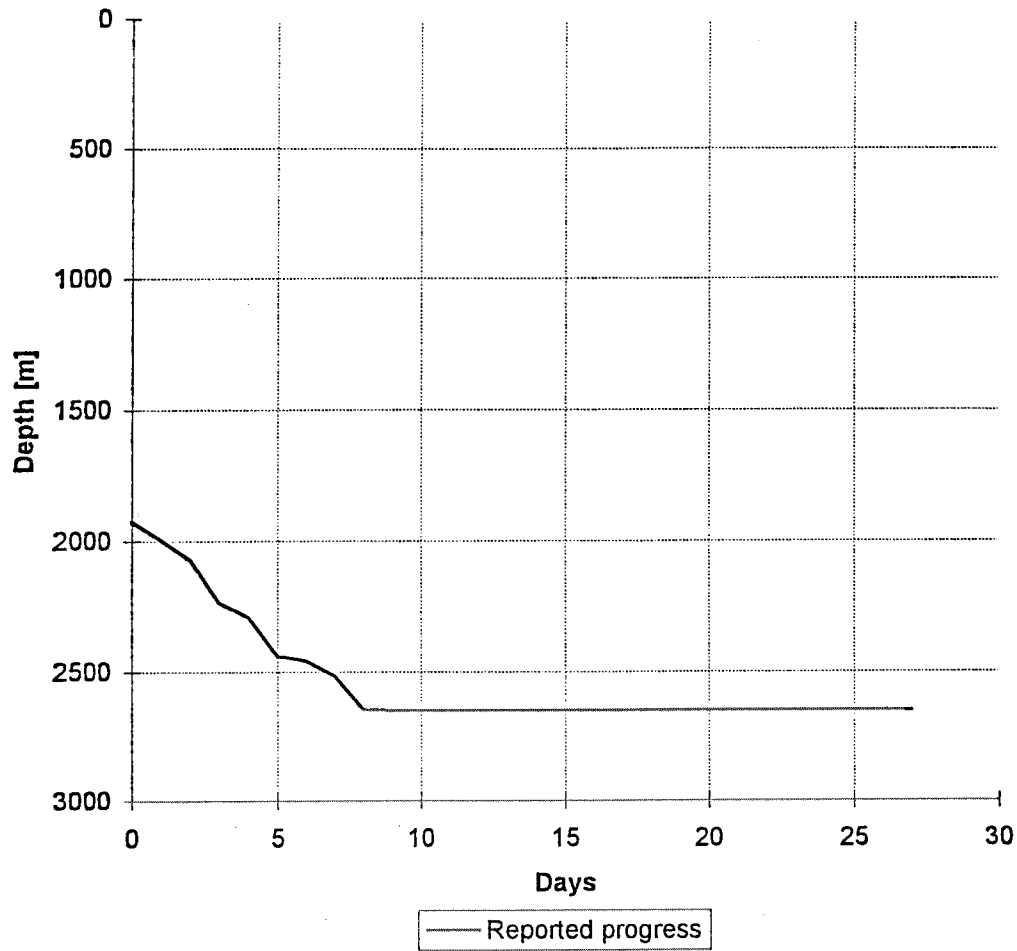
Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	1110	18,5	100,00
<b>Total</b>	<b>1110</b>	<b>18,5</b>	<b>100,00</b>

### Main operation: PLUG & ABANDON

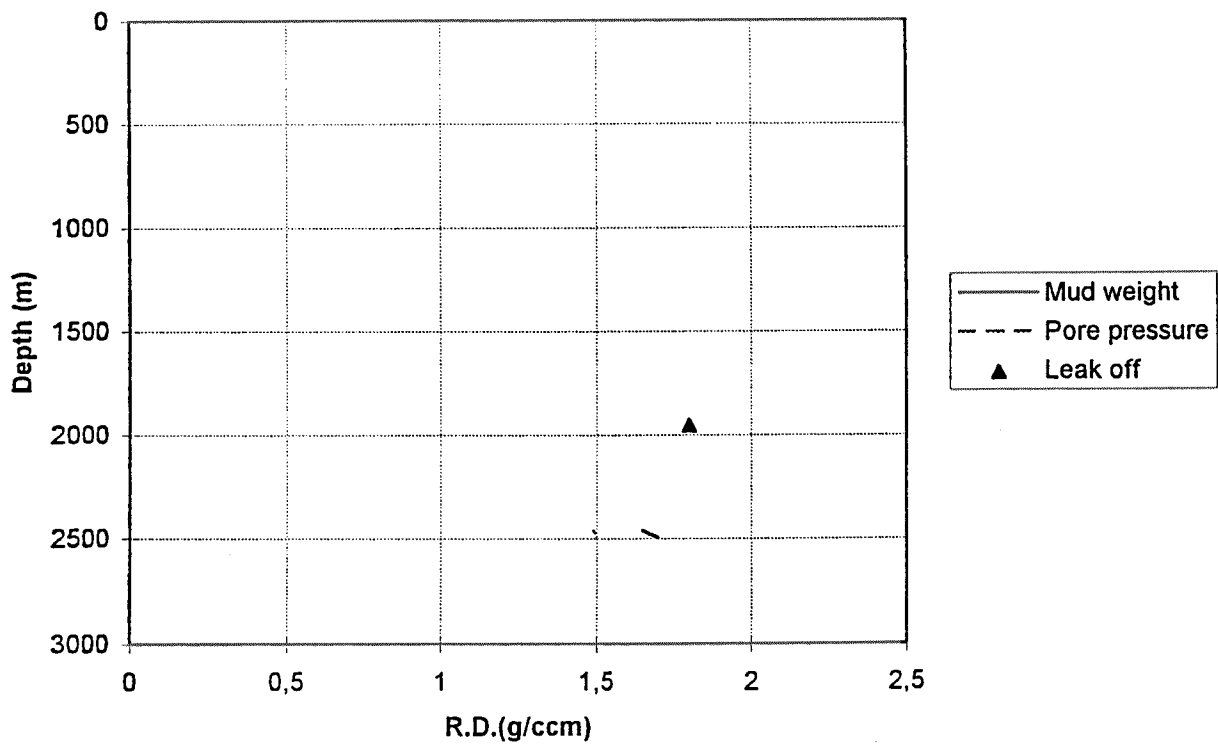
Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	1110	18,5	27,21
CIRC/COND	240	4,0	5,88
CUT	330	5,5	8,09
EQUIP RECOVERY	1530	25,5	37,50
TRIP	870	14,5	21,32
<b>Total</b>	<b>4080</b>	<b>68,0</b>	<b>100,00</b>

Total time used:  Hours

Depth vs time for well: 34/7-17 A



Composite plot for well: 34/7-17 A



# Well History 34/7-17A.

## General:

Well 34/7-17A is located west of the Snorre and "Snorre West" Fields in the north and the Tordis Field in the south. The C-Plus structure is intersected by several E-W trending faults that may serve as sealing barriers. Thus, it was uncertain which of these that acted as a seal of the discovery to the south. The main objective of the well was to sidetrack well 34/7-17 from the 13 3/8" shoe, with target located further updip in a southeasterly direction.

## Operations:

On 9 April 1991, the 34/7-17A side-track was kicked off from the 13 3/8" shoe in well 34/7-17 on top of the Shetland Group. The target was located further updip in a south-easterly direction. Top Brent Group was penetrated at 2494.5 m RKB MD, and truncation was confirmed by the absence of the Viking Group and erosion into the top of the Brent Group. One core was cut in the interval 2597-2617 m RKB MD. The Brent Group proved to be oil bearing in the uppermost 6.5 m TVD. The well reached its total depth at 2650 m RKB MD within the Middle Jurassic Etive Formation.. The rig Treasure Saga left the location on 4 May 1991. The well 34/7-17A was permanently plugged back and abandoned as a minor oil discovery.

## Testing:

One DST tests were performed over the interval 2495 to 2499 m RKB MD yielding 719 Sm<sup>3</sup>/d oil and 36000 Sm<sup>3</sup>/d gas through a 15.6 mm choke.

# Geological Tops.

## Well:34/7-17 A.

	Depth m (RKB).
Shetland Group	2020,0
Cromer Knoll Group	2487,0
Mime Fm	2487,0
Brent Group	2494,0
Tarbert Fm	2494,0
Ness Fm	2521,0
Etiv Fm	2601,0
T.D.	2650,0