Date: 25/09/96

PB/SKR

Page: 1 / 4

13	Vell no:	Operator:
	34/07-17	SAGA

Well

Coordinates:

61° 20' 50.69" N

UTM coord.:

6801982.38 N

02° 05' 42.31" E

451591.07 E 668

License no:

89

Permit no:

Rig:

TREASURE SAGA

Rig type:

SEMI-SUB.

Contractor: Bottom hole temp: TRANSOCEAN AS 91 °C

Elev. KB:

26 M

Spud. date:

91.02.25

Water depth: Total depth:

259 M 3115 M

Compl. date:

91.04.07 **APPRAISAL**

Form. at TD:

TRIASSIC

Spud. class: Compl. class:

P&A. DRY HOLE

Prod.form.:

Seisloca:

GE-83, ROW 341- COL. 1025

Licensees

.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
CONDUCTOR	30	371.0	36	372.0	1.83
INTERM.	20	881.0	26	902.0 1974.0	1.80
INTERM.	13 3/8	1955.0	17 1/2	1974.0	

Date: 25/09/96

PB/SKR

Page: 2 / 4

Well no:	Operator:
34/07-17	SAGA

Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	2460.0 - 2478.5	18.5	100.0
2	2478.5 - 2496.9	18.4	100.0
3	2498.0 - 2507.5	9.5	100.0
A	2508.0 - 2531.6	23.6	100.0
5	2534.0 - 2542.0	8.0	100.0
6	2545.0 - 2552.5	7.5	100.0
7	2554.0 - 2570.2	16.2	100.0
8	2571.0 - 2586.0	15.0	100.0

Mud

Depth	Mud	Visc.	Mud type
	weight		
390.0	1.20		WATER BASED
390.0	1.04		WATER BASED
815.0	1.04	***************************************	WATER BASED
897.0	1.30	20.0	WATER BASED
897.0	1.04		WATER BASED
1268.0	1.30	25.0	WATER BASED
1509.0	1.40	31.0	WATER BASED
1807.0	1,49	36.0	WATER BASED
1879.0	1.49	33.0	WATER BASED
1969.0	1.49	32.0	WATER BASED
1974.0	1.49	27.0	WATER BASED
2036.0	1.51	31.0	WATER BASED
2272.0	1.60	34.0	WATER BASED
2460.0	1.65	40.0	WATER BASED

Drill Stem Test (intervals and pressures)

1	Toot	Test interval	Choke	Pressure (psi)	BTHP	FFP
- 1	Test	16st mici vai	0			l i
1	110.	meter	size	WHP	ACCOMPANY OF THE PARTY OF THE P	

WDSS Report

Date: 25/09/96

PB/SKR

Page: 3 / 4

K	Vell no:	Operator:
		CACA
-	34/07-17	SAGA
ı	J4/V/~1/	

Drill Stem Test (recovery)

					***************************************	COD
ì		Oil	Gas	Oil grav.	Gas grav.	GOR
1	Test	Մուլ	-		1	m3/m3
-	no.	Sm3/d	Sm3/d	g/cm3	rel. air	IIIO/IIIO
	200	The same of the sa	Whole committee and other			

Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	900 - 3114	300
CUTTINGS	900 - 3114	150

Shallow Gas

Interval	Remarks
below KB	

Available Logs

	Intervals logged	1/200	1/500	***************************************
Log type	1954.0 - 3103.0			*****
AMS		AND RECOVER THE PROPERTY OF TH		
CBL VDL CCL GR	750.0 - 1942.0			
	1954.0 - 3119.0	ng aryund and control of the second of the second of the second second second second second of the second of the second second of the second second of the second s		
CDM AP/SHDT GR				
DIL LSS SP GR	880.0 - 1948.0			
DIL LSS SP GR	880.0 - 1948.0			
DIL MSFL DSI SP GR	1954.0 - 3116.0			
FORMATION PRESSURE	300.0 - 3115.0			
FORMATION TESTER	1879.0 - 1914.0			
	2462.0 - 3074.0	- CONTRACTOR OF THE PROPERTY O		
HP RFT GR	2402.0 - 3074.0			
LDL CNL GR	1954.0 - 3103.0			
LDL GR	880.0 - 1948.0			and the second s
			CONTRACTOR OF THE PROPERTY OF	***************************************

WDSS Report

Date: 25/09/96

PB/SKR

Page: 4 / 4

Well no:	Operator:
34/07-17	SAGA

MSD	1954.0 - 3119.0	
MUDLOG/MASTERLOG	26.0 - 3115.0	
MWD MD+TVD	1994.0 - 2650.0	
RWD	286.0 - 3115.0	
SWS GR	2000.0 - 3097.0	
SYNTHETIC SEISMOGRAM		
TWO-WAY TRAVEL TIME	900.0 - 3114.0	
WELLSITE LITHOLOGY	285.0 - 3115.0	
VELOCITY LOG		
VSP		

Main operations for well: 34/7-17

Main operation: DRILLING

Miziti operation	Minutes:	Hours:	% of total:
Sub operation:		11.0	1,80
BOP ACTIVITIES	660	•	5,07
BOPWELLHEAD EQ	1860	31,0	12,58
CASING	4620	77,0	
CIRC/COND	1350	22,5	3,68
	19980	333,0	54,41
DRILL	990	16,5	2,70
HOLE OPEN	60	1,0	0,16
OTHER	30	0,5	0,08
PRESS DETECTION	= :	7,5	1,23
REAM	450	105.5	17,24
TRIP	6330	•	1,06
WAIT	390	6,5	
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	36720	612,0	100,00
Total	VV. = -		

Main operation: FORMATION EVAL

man operation		Hours:	% of total:
Sub operation:	Minutes:	CONTRACTOR OF THE PROPERTY OF	3.70
CIRC/COND	540	9,0	- •
	3360	56,0	23,05
CORE	4560	76,0	31,28
LOG		9,0	3,70
RFT/FIT	540	•	37.45
TRIP	5460	91,0	•
*****	120	2,0	0,82
WAIT		043.0	100,00
Total	14580	243,0	100,00
Diai			

Main operation: INTERRUPTION

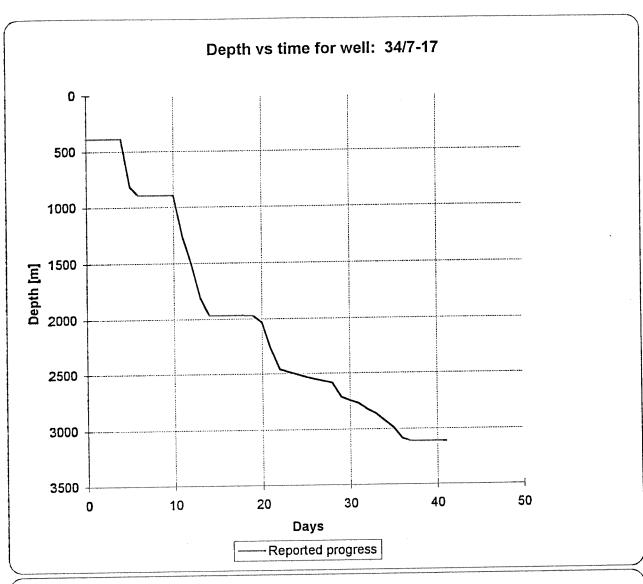
Och exerction:	Minutes:	Hours:	% of total:
Sub operation:	2580	43.0	40,19
FISH	2700	45.0	42,06
MAINTAIN/REP	60	1,0	0,93
OTHER WAIT	1080	18,0	16,82
Total	6420	107,0	100,00
lotai			***************************************

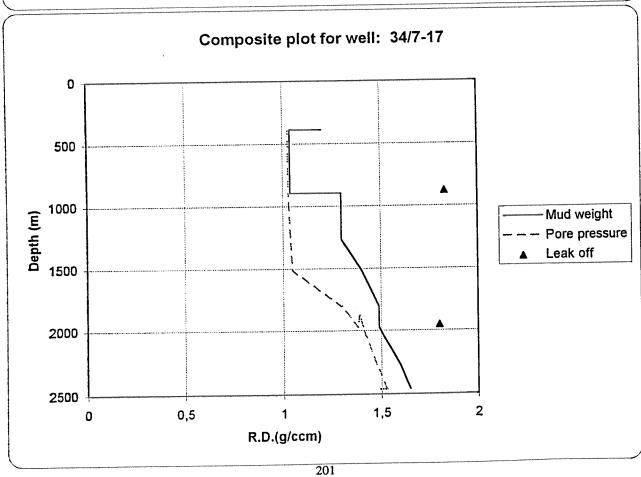
Main operation: MOVING

o to a securition:	Minutes:	Hours:	% of total:
Sub operation: ANCHOR	990	16,5	23,57
TRANSIT	3210	53,5	76,43
Total	4200	70,0	100,00

Main operation: PLUG & ABANDON

Out appretion:	Minutes:	Hours:	% of total:
Sub operation:	780	13,0	54,17
CIRC/COND	240 60	4,0 1.0	16,67 4,17
MECHANICAL PLUG	360	6,0	25,00
Total	1440	24,0	100,00
Total time used:	1056,0 Hours		





Well History 34/7-17.

General:

Well 34/7-17 was planned to test the southern extension of the 34/7-16 discovery, which 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 objectives of the well were:

- 1) to test the southern extension of the 34/7-16 discovery.
- 2) to test the presence and reservoir quality of the Brent sequence, especially upper Brent which was not present in well 34/7-16 (primary target).
- 3) to test the presence of Upper Jurassic sandstones
- 4) to test the quality of the Cook Formation
- 5) to test the seismic marker Top Statfjord Formation
- 6) to test the reservoir quality and the pressure regime of the Statfjord Formation The well was drilled in an updip position where the top of the Brent Group, is becoming progressively truncated to the east. No special shallow gas warnings were given.

Operations:

Wildcat well 34/7-17 was spudded 25 February 1991 by the semi-submersible rig Treasure Saga and completed 3 April at a total depth of 3115 m RKB MD within the sandy claystones of the Triassic Hegre Group (Lunde Formation). The top of the Brent Group was reached at 2461 m RKB MD (38 m TVD deeper than prognoses). The Jurassic section comprised a minor interval of the Viking Group, and a complete section of the Middle Jurassic Brent Group, the Lower Jurassic Dunlin Group and the Statfjord Formation. A total of 8 conventional cores were cut in this well. A total of 150 sidewall cores were attempted, and 96 were recovered. The main reservoir targets, the Brent Group and Statfjord Formation, proved to be water bearing. The open hole was plugged back for a new reservoir target.

Testing:

No DST tests were performed in this well.

Geological Tops.

Well: 34/7-17.

N # 10	Depth m (RKB).
Nordland Group	285.0
Utsira Fm	942.0
Hordaland Group	1098.0
Rogaland Group	1697.0
Balder Fm	1697.0
Lista/Sele Fm	1772.0
Shetland Group	1911.0
Jorsalsfare Fm	1911.0
Brent Group	2444.0
Mime Fm	2444.0
Tarbert Fm	2458.0
Ness Fm	2506.0
Etive Fm	2572.0
Rannoch Fm	2625.0
Dunlin Craun	2692.0
Dunlin Group Drake Fm	2692.0
	2692.0 2785.0
Cook Fm	
Amundsen Fm	2810.0
Statfjord Fm	2938.0
Hegre Group	3081.0
Lunde Fm	3081.0
TD	2115 ^
T.D.	3115.0