

WDSS Report

Date: 27/09/96

PB/SKR

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Well no:	Operator:
6201/11-02	STATOIL

Well

Coordinates :	62° 01' 07.62" N 01° 25' 16.78" E	UTM coord. :	6877443.35 N 417366.03 E
License no :	130	Permit no :	664
Rig :	DEEPSEA BERGEN	Rig type :	SEMI-SUB.
Contractor :	ODFJELL DRILLING	Elev. KB :	23 M
Bottom hole temp:	111 °C	Water depth :	373 M
Spud. date :	91.01.12	Total depth :	3778 M
Compl. date :	91.03.11	Form. at TD :	TRIASSIC
Spud. class :	WILDCAT	Prod.form. :	
Compl. class :	P&A. DRY HOLE		
Seisloca :	ST 8810 - 403 SP 385		

Licensees

15.000000 A/S NORSKE SHELL
 57.500000 DEN NORSKE STATS OLJESELSKAP A.S
 27.500000 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/cm ³
CONDUCTOR	30	454.0	36	455.0	
INTERM.	20	774.0	26	775.0	1.30
INTERM.	13 3/8	1731.0	17 1/2	1732.0	1.70
INTERM.	9 5/8	3326.0	12 1/4	3327.0	1.94
OPEN HOLE			8 1/2	3778.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	3697.0 - 3710.9	13.9	100.0

Mud

Depth	Mud weight	Visc.	Mud type
1030.0	1.20	14.0	WATER BASED
1100.0	1.20	14.0	WATER BASED
1214.0	1.20	14.0	WATER BASED
1697.0	1.25	21.0	WATER BASED
1715.0	1.25	20.0	WATER BASED
1746.0	1.27	20.0	WATER BASED
1749.0	1.30	20.0	WATER BASED
2060.0	1.55	27.0	WATER BASED
2104.0	1.55	28.0	WATER BASED
2120.0	1.55	36.0	WATER BASED
2354.0	1.55	24.0	WATER BASED
2542.0	1.55	22.0	WATER BASED
2585.0	1.55	27.0	WATER BASED
2760.0	1.55		DUMMY
2963.0	1.55	26.0	WATER BASED
3053.0	1.55		DUMMY
3080.0	1.55		DUMMY
3335.0	1.55	28.0	WATER BASED
3365.0	1.54	21.0	WATER BASED
3378.0	1.50	18.0	WATER BASED
3459.0	1.50	20.0	WATER BASED
3483.0	1.50	18.0	WATER BASED
3677.0	1.54	23.0	WATER BASED
3697.0	1.54	21.0	WATER BASED
3778.0	1.54	22.0	WATER BASED

Drill Stem Test (intervals and pressures)

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

Test no.	Oil Sm ³ /d	Gas Sm ³ /d	Oil grav. g/cm ³	Gas grav. rel. air	GOR m ³ /m ³

Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	790 - 3776	360
CUTTINGS	790 - 3788	360

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500
ACBL VDL GR	381.0 - 3319.0		
ACBL VDL GR	550.0 - 1727.0		
CDL	351.0 - 1723.0		
CDL	1727.0 - 3332.0		
CDL CN CAL GR	3319.0 - 3766.0		
CDL CN GR	351.0 - 3766.0		
CDM AP/COMP. DIPLOG	3319.0 - 3763.0		
DIFL BHC AC GR	351.0 - 1723.0		
DIFL BHC AC GR	351.0 - 3766.0		
DIFL BHC AC GR	1727.0 - 3332.0		
FMT	3360.0 - 3738.0		
LS ACL DIFL CAL GR	3319.0 - 3766.0		

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MUD	295.0 - 3778.0			
MWD	458.0 - 3778.0			
PRESSURE EVALUATION	395.0 - 3778.0			
SHDT/4-ARM SS DIPLOG	3319.0 - 3762.0			
SYNTHETIC SEISMOGRAM				
WSC	600.0 - 3750.0			
ZERO OFFSET VSP	600.0 - 3750.0			

Main operations for well: 6201/11-2

Main operation: DRILLING

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	1320	22,0	2,43
BOP/WELLHEAD EQ	3690	61,5	6,80
CASING	9600	160,0	17,69
CIRC/COND	1950	32,5	3,59
DRILL	22830	380,5	42,07
OTHER	1440	24,0	2,65
PRESS DETECTION	180	3,0	0,33
REAM	1140	19,0	2,10
SURVEY	60	1,0	0,11
TRIP	7560	126,0	13,93
WAIT	4500	75,0	8,29
Total	54270	904,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC/COND	660	11,0	6,61
CORE	60	1,0	0,60
LOG	6180	103,0	61,86
OTHER	660	11,0	6,61
TRIP	2430	40,5	24,32
Total	9990	166,5	100,00

Main operation: MOVING

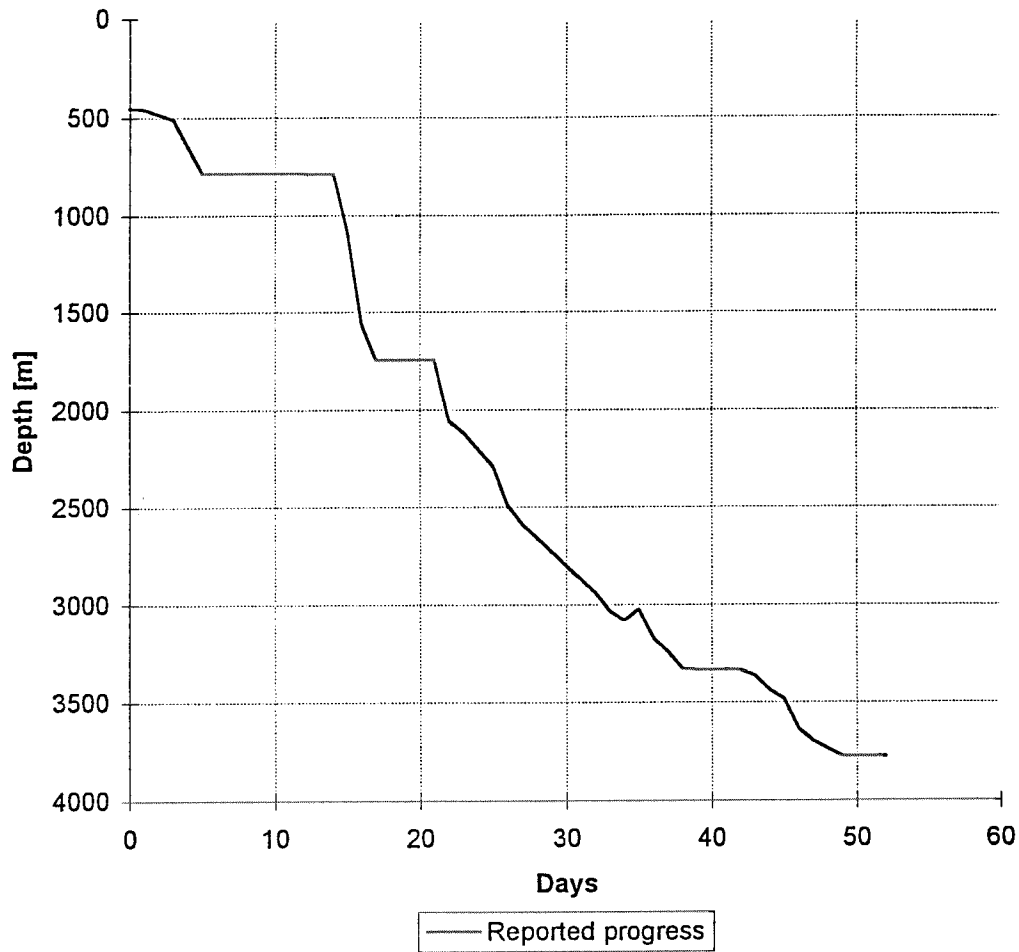
Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	1080	18,0	100,00
Total	1080	18,0	100,00

Main operation: PLUG & ABANDON

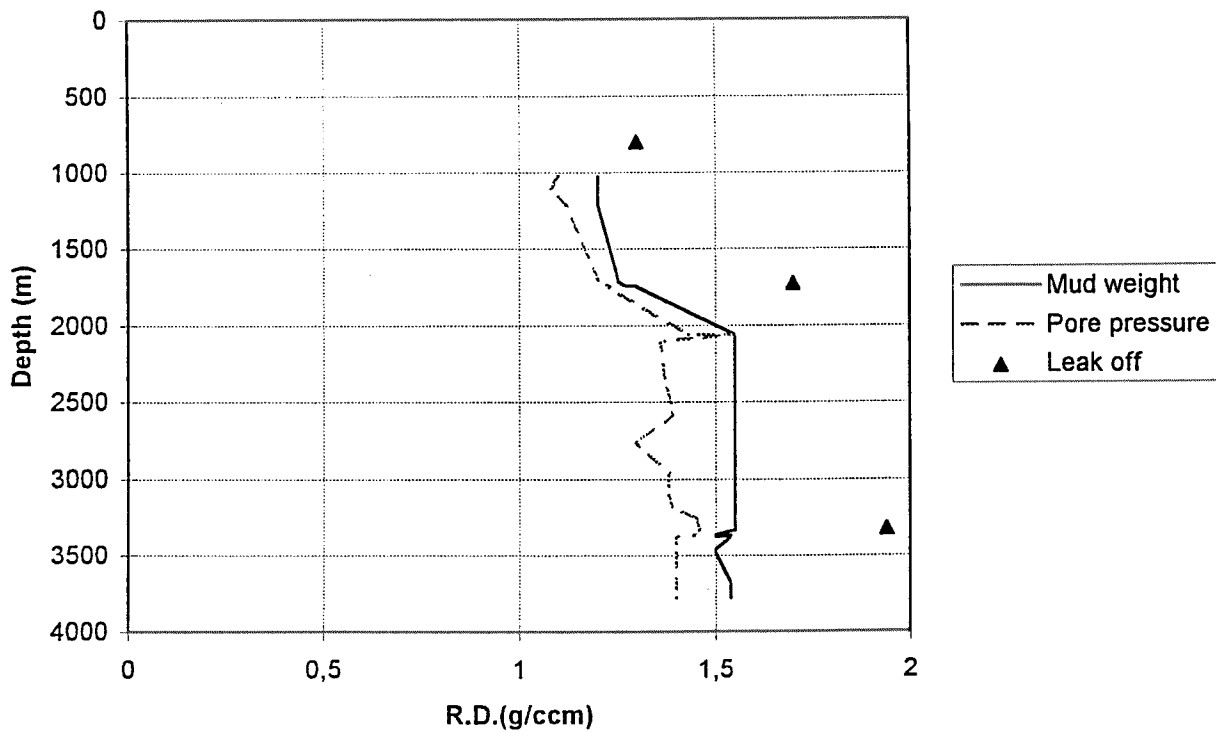
Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	360	6,0	4,14
CIRC/COND	960	16,0	11,03
EQUIP RECOVERY	1590	26,5	18,28
MECHANICAL PLUG	450	7,5	5,17
OTHER	2700	45,0	31,03
TRIP	2640	44,0	30,34
Total	8700	145,0	100,00

Total time used: Hours

Depth vs time for well: 6201/11-2



Composite plot for well: 6201/11-2



Well History 6201/11-02

General:

Well 6201/11-02 was designed to drill the Oksen prospect in the south-western corner of block 6201/11. A prominent NE-SW trending ridge complex occupies the southern part of this block, separating the More Basin from the northern North Sea along the More Trondelag fault complex. The reservoir rocks of the Oksen prospect were interpreted as synrift submarine fan deposits of Kimmeridge age located in a half graben between two Triassic Highs. Trapping mechanism were stratigraphically dependant on sealing faults towards rotated Triassic rocks in south-east. The objectives of the well were:

- 1) to test the hydrocarbon and reservoir potential of the Upper Jurassic play concept (Magnus Sand)
- 2) to test the geophysical and structural interpretation of the area and give valuable information on palaeontology and geochemistry.

Shallow gas warnings were given for two levels.

Operations:

Wildcat well 6201/11-02 was spudded 8 January 1991 by the semi-submersible rig Deepsea Bergen and completed 12 Mars 1991 at a total depth of 3778 m MD RKB, within the Jurassic Heather Formation. Top Upper Jurassic was encountered at 3343 m RKB, which is 28 m lower than prognosed. One conventional core was cut in this well in the interval 3697-3712 m RKB. A total of 100 sidewall cores were attempted, and 77 were recovered. No potential reservoir rocks were encountered in the Upper/Middle Jurassic. The biostratigraphic breakdown is difficult to interpret from approximately 3650m RKB and to TD, where both Jurassic and Triassic deposits have been dated. The well was drilled without any major problems, except for 3 days lost rig-time due to low leak-off value at the 20" casing shoe. The well was permanently plugged and abandoned as a dry well.

Testing:

No DST tests were performed

Geological Tops.

Well: 6201/11-2.

	Depth m (RKB).
Nordland Group	395.5
Utsira Fm	1200.0
Hordaland Group	1223.5
Rogaland Group	1815.0
Balder Fm	1815.0
Sele Fm	1909.0
Lista Fm	1986.0
Shetland Group	2042.0
Viking Group	3338.5
Draupne Fm	3338.5
Heather Fm	3543.5
T.D	3778.0