



MATERIAL CONSUMPTION BREAKDOWN BY INTERVAL

OPERATOR: Conoco Norway Inc.

WELL: 9/11-1

LOCATION: North Sea - Norway

36" Hole

INTERVAL 0 - 417'

<u>PRODUCT</u>	<u>UNIT</u>	<u>COST \$</u>
Magcobar Barite (100lb.sx.)	2.300 sx.	6.210.-
Magcogel Bentonite (25kos.sx.)	939 sx.	1.934.34
Salt Gel	257 sx.	1.285.-
Lime	11 sx.	23.43
Caustic Soda	6 sx.	67.20
Soda Ash	4 sx.	20.84
		<u>9.540.81</u>

26" Hole

INTERVAL 417' - 1.423'

<u>PRODUCT</u>	<u>UNIT</u>	<u>COST \$</u>
Magcobar Barite (100lb.sx.)	3.532 sx.	9.536.40
Magcogel Bentonite (25kos.sx.)	2.743 sx.	5.650.58
Spersene	204 sx.	1.989.-
Caustic Soda	66 sx.	739.20
Lime	27 sx.	57.51
Soda Ash	8 sx.	41.68
C.M.C. (L.V.)	10 sx.	145.60
Mica Fine	50 sx.	336.-
D.D.	1 dr.	255.-
		<u>18.750.97</u>



MATERIAL CONSUMPTION BREAKDOWN BY INTERVAL

OPERATOR: Conoco Norway Inc.

WELL: 9/11-1

LOCATION: North Sea - Norway

17½" Hole

INTERVAL 1.423' - 2.437'

<u>PRODUCT</u>	<u>UNIT</u>	<u>COST \$</u>
Magcoar Barite (100lb.sx.)	6.292 sx.	16.988.40
Magcogel Bentonite (25kos.sx.)	1.074 sx.	2.212.44
Spersene	409 sx.	3.987.75
Caustic Soda	55 sx.	616.-
Lime	54 sx.	115.02
Magcophos	6 sx.	83.16
Sod. Bicarbonate	15 sx.	88.20
Soda Ash	2 sx.	10.42
D.D.	7 dr.	1.785.-
Salinex	8 dr.	3.400.-
Magcogel Bentonite (100lb.sx.)	30 sx.	110.40
Magconol	1 dr.	375.-
		29.771.79

12 1/4" Hole

INTERVAL 2.437' - 5.214'

<u>PRODUCT</u>	<u>UNIT</u>	<u>COST \$</u>
Magcoar Barite (100lb.sx.)	5.280 sx.	14.256.-
Magcogel Bentonite (25kos.sx.)	141 sx.	290.46
Magcogel Bentonite (100lb.sx.)	197 sx.	724.96
Spersene	278 sx.	2.710.50
XP-20	35 sx.	341.25
Caustic Soda	38 sx.	425.60
Lime	4 sx.	8.52
Sod. Bicarbonate	3 sx.	17.64
Soda Ash	1 sx.	5.21
D.D.	4 dr.	1.020.-
Salinex	1 dr.	425.-
C.M.C. (L.V.)	6 sx.	87.36
		20.312.50



MATERIAL CONSUMPTION BREAKDOWN BY INTERVAL

OPERATOR: Conoco Norway Inc.

WELL: 9/11-1

8½" Hole

LOCATION: North Sea - Norway

INTERVAL 5.214' - 7.200'

<u>PRODUCT</u>	<u>UNIT</u>	<u>COST \$</u>
Magcobar Barite (100lb.sx.)	305 sx.	823.50
Magcogel Bentonite (100lb.sx.)	137 sx.	504.16
Spersene	239 sx.	2.330.25
XP-20	45 sx.	438.75
Caustic Soda	46 sx.	515.20
Lime	9 sx.	19.17
Magcophos	2 sx.	27.72
Sod. Bicarbonate	5 sx.	29.40
C.M.C. (L.V.)	5 sx.	72.80
D.D.	2 dr.	510.-
Salinex	2 dr.	850.-
Magconol	1 dr.	375.-
		<u>6.495.95</u>

INTERVAL

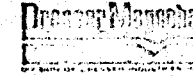
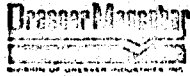


TOTAL MATERIAL CONSUMPTION

OPERATOR Conoco Norway Inc.
WELL 9/11-1
LOCATION North Sea - Norway

<u>PRODUCT</u>	<u>UNITS</u>	<u>COST \$</u>
Magcobar Barite (100lb.sx.)	17.709 sx.	47.814.30
Magcogel Bentonite (25kos.sx.)	4.897 sx.	10.087.82
Magcogel Bentonite (100lb.sx.)	364 sx.	1.339.52
Spersene	1.130 sx.	11.017.50
XP-20	80 sx.	780.-
Caustic Soda	211 sx.	2.363.20
Lime	105 sx.	223.65
Soda Ash	15 sx.	78.15
Sod. Bicarbonate	23 sx.	135.24
Magcophos	8 sx.	110.88
C.M.C. (L.V.)	21 sx.	305.76
Mica Fine	50 sx.	336.-
Salt Gel	257 sx.	1.285.-
D.D.	14 dr.	3.570.-
Salinex	11 dr.	4.675.-
Magconol	2 dr.	750.-
		<u>84.872.02</u>

TOTAL

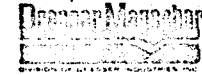


WELL DATA SHEET

OPERATOR <i>Conoco Norway</i>	SURVEY SEC. <i>T R</i>	CASING SIZE <i>30" @ 417'</i>	DEPTH <i>1423'</i>	DRLG. DAYS	BIT SIZE <i>26"-36"</i>
WELL <i>9/11-1</i>	FIELD <i>North Sea</i>	SURFACE <i>70" @ 1423'</i>	INTERMEDIATE <i>13 7/8" @ 2437'</i>	PRODUCTION <i>9 5/8" @ 5214'</i>	<i>17 1/2" - 26"</i> <i>12 1/2"</i> <i>8 1/2"</i>
CONTRACTOR <i>Trans-World</i>	COUNTY	STATE	COUNTRY <i>Norway</i>		
ENGINEER <i>Ball-Plumlee</i>					

DATE	DEPTH	WT.	VISCOSITY		CORR. 115°F	GELS		pH	FLUID LOSS		CL <input checked="" type="checkbox"/> CACL <input type="checkbox"/> NACL <input type="checkbox"/>	ALKALINITY			CA ppm	Mg ppm	RETORT			ACTIVITY		RATIO		# Bbl		
			SEC.	CPS.		PV	YP		0	10		100 PSI API	500 PSI 300 °F HT-HP	PF			PM	MF	% OIL	% SOL	% WATER	As	Am		OIL	H2O
3-7	-	10.0	150					10.0																		
4-7	417	11.0	50					10.0																		
5-7	417	11.0	50					10.0																		
6-7	417	11.0	50					10.0																		
7-7	826	11.0	45	35	25	20	15	40	9.0	52	27000	.1			880										15	
8-7	1351	11.0	44	30	11	38	15	30	9.0	48	27000	.3			840										15	
9-7	1351	11.0	45	35	25	20	15	35	9.0	49	27000	.3			800										14	
10-7	1351	11.0	48	35	25	20	15	35	9.0	48	27000	.5			660										12	
11-7	1351	9.6	44					9.0																		
12-7	1351	9.0	40					10.5			25000	1.0			120										10	
13-7	1351	9.7	44					10.5		64	25000	1.0			120										10	
14-7	1351	10.0	44					11.5			19000	2.0	3.6		480										11	
15-7	1351	10.1	47	28	19	18	6	12	11.5	45	19000	2.1	4.0		320										10.5	
16-7	1351	11.5	43	20.5	18	5	3	6	10.5	21.5	21000	.7	3.0		480										11.5	
17-7	1351	11.5	43	22	18	8	6	5	11.0	18	20000	1.0	4.0		440										11.5	
18-7	1351	11.5	43	22	18	8	6	9	11.0	21	20000	1.0	3.0		440										11.5	
19-7	1351	11.6	47	28.5	15	20	9	18	11.0	40	21000	2.0	5.2		460										11.0	
20-7	1351	11.6	47	28.5	15	20	9	18	11.0	40	21000	2.0	5.2		460										11.0	
21-7	1450	11.5	45	23.5	22	10	3	5	11.5	16.4	26000	1.3			360										6 13	
22-7	1829	11.6	47	20	14	12	2	15	11.5	15.2	27000	1.5			240										6 14	
23-7	2662	12.0	50	31	29	8	2	12	11.5	12.9	35000	1.0			260										4 14	
24-7	3050	12.0	48	28	24	8	2	13	11.5	11.4	26000	1.0			360										4 14	
25-7	3050	12.0	48	28	24	10	2	12	11.5	10.0	26000	1.5			200										4 13	
26-7	3050	12.0	46	27	22	12	2	14	11.5	12.7	26000	1.4			320										4 15	
27-7	3050	12.0	48	28	22	12	2	14	11.5	10.9	26000	1.4	8.0	3.8	280										4 15	
28-7	2437	11.9	46	27	22	10	2	12	11.0	8.8	21000	1.5	6.8		240										5 14	
29-7	3682	12.1	50	32	24	13	4	12	11.0	8.0	21000	1.8	5.2		320										4 15	

DATE SPUD: <i>3-7-71</i>	DATE T.D.: <i>12-8-71</i>	B.H.T.	COMPLETION FLUID TYPE:	COST:
			PACKER MUD TYPE:	COST:



WELL DATA SHEET

MAG-545-1-A

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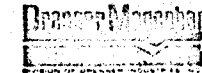
EQUIPMENT	MAKE	CHOKE (L.P.)	PVT
DESANDER	<input checked="" type="checkbox"/> Demco	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Pit a Graph
DESILTER	<input type="checkbox"/> Demco	CHOKE (SUPER)	FLOW SENSOR
		<input checked="" type="checkbox"/> Cameron	<input type="checkbox"/>
CENTRIFUGE	<input checked="" type="checkbox"/> Baroid	CLAYJECTOR	ROP
		<input type="checkbox"/>	<input type="checkbox"/>
DEGASSER	<input checked="" type="checkbox"/>	FINE SCREEN	OTHER
		<input checked="" type="checkbox"/> Baroid	<input checked="" type="checkbox"/> Trip Guard Swaco

MAGCOBAR	MAGCOGEL	SPERSENE	XP-20	CAUSTIC	LIME	Soda Ash	L-V. CMC	F. Mica	D-D	Bica-6	Soda	Magnephos	Sclinet	MAGCONOL	COST	TOTAL MUD COST	REMARKS
	618			3	9										2420	2420	Mud up - Spud and drill to 417'
2200	321			3	2										6639	9059	Set and cement conductor - Build weighted reserve mud
225	64	4		2											901	9860	Dropped jt. tubing in hole - fished out - rig flowline - bit contains water
1275	50	15		1		4									3724	13584	Slip up - Drld. cement - Del. to 578'
525	90	18		5		2									1745	15328	Drld. to 1351' - trip - Opening hole to 26"
525	169	13		6	2										1959	17288	Finished opening hole - Trip - pulled riser
457	404			10	14										2207	19496	Pump 300 bbl. mud away w/ coming w/ on riser
	416			10											968	20465	Lost circ. - lost 400 bbls. mud
	820			12	3	17	20	50							2310	22795	Lost circ. - lost 200 bbls. mud - mixing mud.
	461			9	6										1063	23839	mud leaking around 30" pipe
	125	23		2											639	24498	Leamed to 570' w/ seawater - Switched to mud - reamed to 1351'
30	135	83		4	2			0	1						1590	26068	Under - reamed hole to 26"
																	lay down riser - displace riser mud to pits
400	13	48		5	2										1646	27714	run 20" csg. - weight pits to 11.5 spp. - cemented
																	used most of active and 200 bbl. reserve to fill pipe - displace
																	Building active volume
																	Slipping up - Seawater run into system - rebuilding
600	580	15		5	4	2									3035	30750	Drld. out shoe
700	20	115		5	13	9									4293	35043	Drly. gumbo - Flowline stopping up.
100	107	80	15	17				3				2			3107	39151	Drld. to 2862' - Logged - Drld. to 3050'
1500	215	64	17	11					10	4	2				5450	43601	Opening hole to 17 1/2" to 1804'
1234	20	40		3											3154	46156	Reamed to 1920' - Trip - Building volume
1958	140	40		6								1	1		5853	52009	Reamed to 2470' - Trip - Reamity POOH
200	20	30		6	12			1				1			1345	53355	RH - ream to 2528' - Circ. Logging
		20		2	10										238	53595	run 13 3/8" csg.
100	60	20		2	2				2						724	54319	reamed 13 3/8" - WOC
400	8	75		5				1							2158	56478	Drld. out - Trip bit - weight up to 12.5 spp.

TOTAL MUD COST: _____ TOTAL DEPTH: _____

FINAL COST

57
00



WELL DATA SHEET

MAG-545-A

OPERATOR	SURVEY SEC.	T	R	CASING SIZE	DEPTH	DRLG. DAYS	BIT SIZE
WELL	FIELD			SURFACE			
CONTRACTOR	COUNTY			INTERMEDIATE			
ENGINEER	STATE	COUNTRY		PRODUCTION			

DATE	DEPTH	WT.	VISCOSITY		CORR. 115°F		GELS		pH	FLUID LOSS		CL <input checked="" type="checkbox"/> CACL <input type="checkbox"/> NACL <input type="checkbox"/>	ALKALINITY			CA ppm	Mg ppm	RETORT			ACTIVITY		RATIO		# Bbl CEC	
			SEC.	CPS.	PV	YP	0	10		100 PSI API	500 PSI 300 °F HT-HP		BECK STRIP <input type="checkbox"/>	PF	PM			MF	% OIL	% SOL	% WATER	As	Am	OIL		H2O
30.7	4305	12.7	66	31	28	15	9	14	10.5	12		21000	1.2	3.0		750		3.5	15							
31.7	4925	13.5	67	38	29	20	4	12	11.0	10		21000	.5	1.5		920		4	17							
1.8	5199	13.5	50	34	30	8	1	7	11.0	8		20000	.6	4.6		610		4	18							
2.8	5264	13.5	51	32	29	8	2	14	11.0	9.8		21000	1.4	.5		360		7	15							
3.8	5264	11.5	36	25	27	10	0	4	11.0	16		21000	1.0	2.5		360		2	15							
4.8	5264	13.5	46	27	22	12	2	4	11.0	8.8		21000	1.0	2.5		360		4	14							
5.8	5264	13.5	53	27	22	10	2	4	11.0	8.8		21000	1.0	2.5		360		4	14							
6.8	5536	12.5	44	39.5	28	13	3	28	10.5	11.9		22000	.8	1.9		330		4	16							
7.8	5750	12.6	50	34	29	10	3	14	11.5	10.1		23000	2.2	6.0		220		6	17							
8.8	6235	12.6	52	32	26	12	3	18	11.0	12.1		24000	1.1	5.0		280		4	15							
9.8	6500	12.6	48	31	26	10	2	25	10.5	12.4		26000	.6	2.5		310		4	15							
10.8	6611	12.6	48	28	24	8	2	22	10.5	12.2		25000	.7	4.2		300		5	15							
11.8	6762	12.6	44	26	23	6	2	9	12.0	5.9		32000	1.4	1.0		320		7	17							
12.8	7090	12.6	52	36	32	14	2	12	11.5	5.7		20000	1.0	.4		280		7	20							
13.8	7200	12.6	48	39.5	29	9	2	9	11.0	5.8		20000	1.3	3.5		240		7	16							
14.8	7200	12.6	49	33	28	10	4	16	11.0	5.9		20000	1.3	3.0		240		7	16							
15.8	7200	12.6	52	33	28	10	4	16	11.0	6.1		20000	1.3	3.0		240		7	16							
16.8	7200	12.6	52	33	28	10	4	16	11.0	6.1		20000	1.3	3.0		240		7	16							
17.8	7200	12.6	52	33	28	10	4	16	11.0	6.1		20000	1.3	3.0		240		7	16							

DATE SPUD: _____ DATE T.D.: _____ B.H.T. _____ COMPLETION FLUID TYPE: _____ COST: _____
 PACKER MUD TYPE: _____ COST: _____

WELL DATA SHEET

MAG 547-1-A

EQUIPMENT		MAKE		CHOKE (L.P.)		PVT											
DESANDER	<input type="checkbox"/>			CHOKE (SUPER)	<input type="checkbox"/>	FLOW SENSOR	<input type="checkbox"/>										
DESILTER	<input type="checkbox"/>			CLAYJECTOR	<input type="checkbox"/>	ROP	<input type="checkbox"/>										
CENTRIFUGE	<input type="checkbox"/>			FINE SCREEN	<input type="checkbox"/>	OTHER	<input type="checkbox"/>										
DEGASSER	<input type="checkbox"/>					TOTAL MUD COST:	TOTAL DEPTH:										
MAGCOBAR	MAGCOGEL	SPERSENE	XP-20	CAUSTIC	LIME	Soda Ash	L.H. CMC	F. MICR	D-D	Bicarb	Sulf	Miscellaneous	SALINEX	MAGCOBOL	COST	TOTAL MUD COST	REMARKS
950	14	70		8					1						35.91	60070	Lost 300 hrs. mud due to flowline plugging. Will be use reserve
2200	8	40		5					1	1					644.7	66517	Rebuild reserve vol. to 15 sps. active to 18.5 sps. for cementation
300	36	32	16	4					1						126.2	67779	170 bbls. lost due to balled bit. Trip for bit change.
350		15	10	8					1						15.44	64323	Last 200 bbls due to balled bit. Logging
	220	10		2		1	4								6.71	69994	Logging - building surface volume.
980		16	9	4	2								1		27.4	72740	Finished logging - R/W circ. for csg. cementation. 19 3/4" csg @ 5214'
	40	70	35	6						5	2	1			17.81	71521	Delq. to 5536'
	35	45	13	12											166.7	75189	Delq. Trip - Delq. to 5684'
200	10	40		8											104.7	76236	Delq. Trip - Del. to 6140'
	5	20		4											25.3	76489	Delq. Trip - delq. core #1
		20		4	8										25.7	76746	cut core #1. Trip - delq. w/ bit
35	30	15	5	3			4						1		100.6	77753	R/W where bbl. - lower water loss
35	11	14	5	5			1								52.2	78276	R/W lay down core bbl. R/W delq. ahead
35	6	15		4	1								1		70.2	78978	Trip for bit change - delq. w/ bit 5519 to 7200 TD
								2							505	79483	Logging - no prod.
																79483	Logging - Tool and over velocity survey and formation test
																79483	R/W speared set plug 6554' R/W - Pipe comes wet
																79483	29 Joints pipe cemented. R/W to 5115' set bridge plug.
																79483	Cutting casing to abandon hole - pulling riser.

FINAL COST