



TOTAL MUD MATERIALS USED FOR WELL

COMPANY STATOIL A/S WELL NO. 8/3-2 PAGE 1 of 1

Quantity	Material	Unit/Weight	Unit Cost	Total Cost
538,5	Barite	MT	148.60	80,021.10
55	Wyoming Bentonite	MT	391.00	21,505.00
498	Wyoming Bentonite	50 kg	18.80	9,362.40
422	Caustic Soda	25 kg	21.40	9,030.80
37	Soda Ash	50 kg	21.70	802.90
30	Bicarbonate of Soda	50 kg	25.30	759.00
242	Gypsum	40 kg	10.30	2,492.60
166	Milpolymer 302	25 kg	240.60	39,939.60
140	Drispac Superlo	50 lb	208.00	29,120.00
3	Drispac Regular	50 lb	199.00	597.00
2	W.O. 21	25 kg	260.25	520.50
607	Unical	25 kg	22.60	13,718.20
112	Ligcon	50 lb	27.22	3,048.64
26	Pro Defoam	20 l	68.75	1,787.50
1	MD	55 gal	570.00	570.00
30	Nut Plug Fine	25 kg	20.50	615.00
27	Mica Fine	25 kg	20.50	553.50

TOTAL COST FOR WELL \$ 214,443.74

DEPTH AT T.D. 2,658 m.

AVERAGE COST per METER for WELL \$ 80.68



COMPLETION INTERVAL

COMPANY STATOIL A/S Well No. 8/3-2 Page 1 of 4

Casing Size 30 " from 100 m to 165 m (Bit Size) 36 " hole from 100 m to 165 m

Material Consumption for Interval:

Product	Units	Size	Cost/Unit	Total Cost
Barite	21	MT	148.60	3,120.60
Wyoming Bentonite	31	MT	391.00	12,121.00
Caustic Soda	10	25 kg	21.40	214.00
Soda Ash	9	50 kg	21.70	195.30

Material Cost for Interval \$ 15,650.90 Average Cost per meter \$ 240.78

Number of Days 3 Average Cost per Day \$ 5,216.97

Comments



COMPLETION INTERVAL

COMPANY STATOIL A/S Well No. 8/3-2 Page 2 of 4

Casing Size 20 " from 100 m to 485 m (Bit Size) 26 " hole from 165 m to 501 m Meters

Material Consumption for Interval:

Product	Units	Size	Cost/Unit	Total Cost
Barite	314	MT	148.60	46,660.40
Wyoming Bentonite	24	MT	391.00	9,384.00
Wyoming Bentonite	275	50 kg	18.80	5,170.00
Caustic Soda	52	25 kg	21.40	1,112.80
Soda Ash	19	50 kg	21.70	412.30
Bicarbonate of Soda	1	50 kg	25.30	25.30

Material Cost for Interval \$ 62,764.80 Average Cost per meter \$ 186.80

Number of Days 8 Average Cost per Day \$ 7,845.60

Comments



COMPLETION INTERVAL

COMPANY STATOIL A/S Well No. 8/3-2 Page 3 of 4

Casing Size 13 3/8 " from 100 m to 1135 m (Bit Size) 17 1/2 " hole from 485 m to 1151 m Meters

Material Consumption for Interval:

Product	Units	Size	Cost/Unit	Total Cost
Barite	43	MT	148.60	6,389.80
Wyoming Bentonite	93	50 kg	18.80	1,748.40
Caustic Soda	124	25 kg	21.40	2,653.60
Soda Ash	6	50 kg	21.70	130.20
Gypsum	242	40 kg	10.30	2,492.60
Milpolymer 302	166	25 kg	240.60	39,939.60
Drispac Superlo	19	50 lb	208.00	3,952.00
W.O. 21	2	25 kg	260.25	520.50
Unical	13	25 kg	22.60	293.80
Pro Defoam	6	20 l	68.75	412.50
Nut Plug Fine	30	25 kg	20.50	615.00
Mica Fine	27	25 kg	20.50	553.50

Material Cost for Interval \$ 59,701.50 Average Cost per meter \$ 89.64

Number of Days 15 Average Cost per Day \$ 3,980.10

Comments



COMPLETION INTERVAL

COMPANY STATOIL A/S Well No. 8/3-2 Page 4 of 4

Casing Size P & A " from to (Bit Size) 12 1/4 " hole from 1135 m to 2658 m Meters

Material Consumption for Interval:

Product	Units	Size	Cost/Unit	Total Cost
Barite	160.5	MT	148.60	23,850.30
Wyoming Bentonite	130	50 kg	18.80	2,444.00
Caustic Soda	236	25 kg	21.40	5,050.40
Soda Ash	3	50 kg	21.70	65.10
Bicarbonate of Soda	29	50 kg	25.30	733.70
Unical	594	25 kg	22.60	13,424.40
Ligcon	112	50 lb	27.22	3,048.64
Drispac Superlo	121	50 lb	208.00	25,168.00
Drispac Regular	3	50 lb	199.00	597.00
Pro Defoam	20	20 l	68.75	1,375.00
MD	1	55 gal	570.00	570.00

Material Cost for Interval \$ 76,326.54 Average Cost per meter \$ 1,523.00

Number of Days 33 Average Cost per Day \$ 2,312.93

Comments



DAILY DRILLING MUD ADDITIONS

Contractor SMEDVIG OPERATOR STATOIL A/S LEGAL DESCRIPTION _____
 Rig No. WEST VANGUARD Well Name And No. 8/3-2 Field 8/3 COUNTRY NORWAY
 Promud a/s Warehouse TANANGER Spud Date 5/10/82 No. Drilling Days To T.D. 35 DATE T.D. REACHED 28/11/82 TOTAL DEPTH 2,658 m TOTAL COST \$ 214,443.70

DATE (1982)	DEPTH meters	Barite		Wyoming Bentonite		Caustic Soda		Soda Ash		Bicarbonate of Soda												DAILY COST	CUMULATIVE COST
		Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost		
5/10	160		20			7	6															8,100.00	8,100.00
6/10	165	20	6			1	1															5,361.10	13,461.10
7/10	165	1	5			2	2															2,189.90	15,650.90
		21	31			10	9															15,650.90	
								30" CASING SET AT 165 M															
8/10	170	11																				1,634.60	17,285.50
9/10	442	4	8			11	7	1														4,135.00	21,420.50
10/10	501					9																192.60	21,613.10
11/10	410	7	4.2			8	2															2,897.00	24,510.10
12/10	501	106	2.3			6	1															16,801.00	41,311.10
13/10	501	45	6			4																9,118.60	50,429.70
14/10	501	87	3.5	160		8	6															17,606.10	68,035.80
15/10	501	54		115		6	3															10,379.90	78,415.70
		314	24	275		52	19	1														62,764.80	78,415.70
PAGE TOTALS:		335	55	275	62	28	1																78,415.70



DAILY DRILLING MUD ADDITIONS

Contractor SMEDVIG OPERATOR STATOIL A/S LEGAL DESCRIPTION _____
 Rig No. WEST VANGUARD Well Name And No. 8/3-2 Field 8/3 COUNTRY NORWAY
 Promud a/s Warehouse TANANGER Spud Date 5/10/82 No. Drilling Days To T.D. 35 DATE T.D. REACHED 28/11/82 TOTAL DEPTH 2,658 m TOTAL COST \$ 214,443.74

DATE (1982)	DEPTH meters	Barite		Wyoming Bentonite		Caustic Soda		Soda Ash		Gypsum		Millipolymer 302		Drispac Superlo		W.O. 27		Unical		Pro-Defoam		Nut Plug P		Mica P		DAILY COST	CUMULATIVE COST	
		Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost			
16/10	485			10	6	52	18																			5,210.60	83,626.30	
17/10	485			2		10	16																			3,995.40	87,621.70	
18/10	485			2		10	14																			3,514.20	91,135.90	
19/10	485													1												68.75	91,204.65	
20/10	485																										91,204.65	
21/10	485																										91,204.65	
22/10	485																										91,204.65	
23/10	506			2		7	4																			1,077.30	92,281.95	
24/10	613	17.5	34	8		29	23							1												9,312.15	101,594.10	
25/10	754	12.5	59	33		65	30							1												11,629.15	113,223.25	
26/10	880	5		21		36	30																			8,781.20	122,004.45	
27/10	1037	1.5		17		28	7	6																		3,807.30	125,811.75	
28/10	1151	3.9		13		2	3	13						1		12										4,644.09	130,455.84	
29/10	1151	2.6		11		3	21							2		2	30	27								7,531.76	137,987.60	
30/10	1151			5										1												129.60	138,117.20	
		43.0	93	124	6	242	166	19	2	13	6	30	27													59,701.50	138,117.20	
CUMULATIVE:		378	368	186	34	242	166	19	2	13	6	30	27															138,117.20



DAILY DRILLING MUD ADDITIONS

Contractor SMEDVIC OPERATOR STATOIL A/S LEGAL DESCRIPTION _____
 Rig No. WEST VANGUARD Well Name And No. 8/3-2 Field 8/3 COUNTRY NORWAY
 Promud a/s Warehouse TANANGER Spud Date 5/10/82 No. Drilling Days To T.D. 35 DATE T.D. REACHED 28/11/82 TOTAL DEPTH 2,658 m TOTAL COST \$ 214,443.74

DATE (1982)	DEPTH meters	Barite		Wyoming Bentonite		Caustic Soda		Soda Ash		Bicarbonate of Soda		Unical		Lagoon		Drispac Super-lo		Drispac Regular		Pro-Defoam		MD												DAILY COST	CUMULATIVE COST		
		Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost				
31/10	1151																																			795.10	138,912.30
1/11	1135	15.5																																		2,303.30	141,215.60
2/11	1135																																				141,215.60
3/11	1135																																				141,215.60
4/11	1135															3	3																			1,221.00	142,436.60
5/11	1156		40		7		1		15							2																				1,719.00	144,155.60
6/11	1295				5				5		43					16																				4,533.30	148,688.90
7/11	1398				7				4		40					4																				1,987.00	150,675.90
8/11	1503		9		7						24					2				2																2,583.10	153,259.90
9/11	1600		3		12						19					8				1																2,864.75	156,123.75
10/11	1795				29						59					6				1																3,270.75	159,394.50
11/11	1912				14						47					8					1															3,595.80	162,990.30
12/11	2030		9		24						60					6				1																4,523.75	167,514.05
13/11	2144		10		12						18																									2,149.60	169,663.65
14/11	2155																																				169,663.65
15/11	2255		24		18						42					11				3																7,395.05	177,058.70
16/11	2320		22		23						97					16				1																9,350.35	186,409.05
17/11	2375		11		8											6				1																3,122.55	189,531.60
18/11	2375		12																																	1,783.20	191,314.80
19/11	2386				5						8					2																				703.80	192,018.60
PAGE TOTAL:		115.5	80	172	2	24	457				90				3				10			1													53,901.40		
CUMULATIVE:		493.5	448	358	36	25	470				109				3				16			1														192,018.60	



DAILY DRILLING MUD ADDITIONS

Contractor SMEIVIG OPERATOR STATOIL A/S LEGAL DESCRIPTION _____

Rig No. WEST VANGUARD Well Name And No. 8/3-2 Field 8/3 COUNTRY NORWAY

Promud a/s Warehouse TANANGER Spud Date 5/10/82 No. Drilling Days To T.D. 35 DATE T.D. REACHED 28/11/82 TOTAL DEPTH 2,658 m TOTAL COST \$ 214,443.74

DATE (1982)	DEPTH meters	Barite		Wyoming Bentonite		Caustic Soda		Soda Ash		Bicarbonate of Soda		Unical		Ligcon		Drispac Superlo		Drispac Regular		Pro-Defoam		MD						DAILY COST	CUMULATIVE COST	
		Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost	Unit	Cost			Unit
20/11	2389																												1,190.00	193,208.60
21/11	2395			35	5																							1,519.10	194,727.70	
22/11	2431	8		5	12																							6,176.80	200,904.50	
23/11	2462	16		10	3																							6,054.17	206,958.67	
24/11	2501	4			12																							1,858.74	208,817.41	
25/11	2524	3			4																							1,430.06	210,247.47	
26/11	2565	7			9																							1,464.87	211,712.34	
27/11	2622				9																							849.90	212,277.04	
28/11	2657				7																							714.80	213,277.04	
29/11	2658																												213,277.04	
30/11	2658																												213,277.04	
17/12	2658																												213,277.04	
2/12	1010	7						5																				1,166.70	214,443.74	
		160.5	130	236	3	29	594	112	121	3	20	1																76,326.54	214,443.74	
							TD AT 2658 M. NO CASING.																							
PAGE TOTAL:		45	50	64	1	5	137	112	31		10																		22,425.14	
CUMULATIVE:		538.5	49	422	37	30	607	112	140	3	26	1																	214,443.74	