



DRESSER NORWAY A.S.
MAGCOBAR

Statoil, 6609/5-1

DAILY MUD PROPERTIES



DAILY MUD PROPERTIES

Well : 6609/5-1

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DATE	DEPTH	WT.	VIS		CORR. 115°F		GELS		pH		FLUID LOSS		CL	<input checked="" type="checkbox"/>	ALKALINITY		RETORT			V.G. METER READING @ 115°						Bbl	EXCESS GYP	TOTAL MUD COST								
			SEC.	PV	YP	0	10	BECK STRIP	100 PSI API	500 PSI 300 °F HT-HP	CACL	NAACL			PF	PM	MF	CA ppm	% OIL	% SOL	% WATER	600 R.P.M.	300 R.P.M.	200 R.P.M.	100 R.P.M.				6 R.P.M.	3 R.P.M.	CEC					
3.11	380	1.03	100+							SPUD	MUD																								5001.30	
4.11	380	1.03	100+							SPUD	MUD																								7073.96	
5.11	389	1.03	100+							SPUD	MUD																								11219.28	
5.11	389	1.03	100+							SPUD	MUD																								14508.62	
6.11	389	1.03	100+							SPUD	MUD																								16531.08	
7.11	628	1.07	45	7	30					9.5																									18886.20	
8.11	820	1.07	51	8	30					9.3																									22895.47	
9.11	820	1.08	39	6	31					9.4																									27193.32	
10.11	820	1.10	38	5	31					9.7																									32101.32	
11.11	820	1.20	100+																																	41869.09
12.11	820	1.10	60	7	33																															63648.45
13.11	823	1.10	68	16	21	3	3	10.8	5.8	-	2800	0	.25	.6	1880	0	4	76	53	37	30	20	4	3	0	4.71							77645.50			
14.11	1126	1.13	70	19	25	5	11	10.1	3.8	-	2800	TR	.35	.3	2000	0	7	83	63	44	36	26	6	4	3	3.33							99188.15			
15.11	1412	1.13	68	18	24	4	8	9.5	3.8	-	3100	0	.25	.55	1880	0	6	94	60	42	34	24	6	4	8.5	3.38							116699.95			
16.11	1550	1.12	70	18	24	4	15	9.6	3.5		3000	TR	.25	.3	1920	0	7	93	60	42	34	23	4	3	10	3.2							129127.50			
17.11	1676	1.25	70	23	25	4	13	9.9	3.6		3500	TR	.3	.4	1800	0	10	90	71	48	39	27	5	4	12	3.2							148224.50			
18.11	1676	1.25	70	21	24	4	14	9.8	3.8		3500	TR	.3	.4	1940	0	10	90	66	45	36	25	5	4	12	3.0							153603.15			
19.11	1660	1.25	47	14	10	2	2	9.8	5.2		3000	TR	.2	.2	1600	0	9	91	38	24	19	11	2	1	9	2.1							156812.31			
20.11	1761	1.30	67	19	19	2	8	11.8	5.0		3200	.3	2.0	.9	1800	0	11	89	57	38	26	17	3	2	9	3.2							167635.11			
21.11	1974	1.55	71	28	19	2	12	11.0	4.0		3200	.3	1.3	.7	1720	0	20	80	75	47	36	22	3	2	12	2.0							184345.11			
22.11	2139	1.70	64	28	18	3	30	9.8	4.6		6000	TR	.6	.3	1960	0	25	75	74	46	35	22	3	2	16	2.2							210460.11			
23.11	2271	1.70	65	24	16	3	28	10.4	4.8		4700	.1	.4	.4	1600	0	25	75	64	40	32	20	4	3	17	2.0							224256.06			
24.11	2335	1.70	63	27	19	3	29	10.0	4.9		5200	.1	.5	.6	1800	0	25	75	73	46	37	25	4	3	18	2.2							230324.51			
25.11	2426	1.70	66	27	20	4	33	9.8	4.4	18	5500	.1	.6	.7	1760	0	25	75	74	47	39	26	5	4	19	2.2							238336.81			
26.11	2493	1.70	53	22	16	3	24	9.8	4.6	19	5200	.1	.4	.6	1800	0	25	75	60	38	30	30	20	4	3	20	2.3							245577.06		

DATE SPUD: DATE T.O.: COST:



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DATE	DEPTH	WT.	VIS		CORR. 115°F	GELS		pH	FLUID LOSS			CL <input checked="" type="checkbox"/> CACL <input type="checkbox"/> NACL <input type="checkbox"/>	ALKALINITY				RETORT			V.G. METER READING @ 115°						Bbl CEC	EXCESS GYP	TOTAL MUD COST
			SEC.	PV		0	10		100 PSI API	500 PSI 200 °F HT-HP	PF		PM	MF	CA ppm	% OIL	% SOL	% WATER	600 R.P.M.	300 R.P.M.	200 R.P.M.	100 R.P.M.	6 R.P.M.	3 R.P.M.				
			YP	BECK <input checked="" type="checkbox"/> STRIP <input type="checkbox"/>		18	18		20	21	21		21	22	21	21	21	21	21	21	21	21	21	21	21			
27.11	2497	1.70	54	21	16	3	25	10.1	4.6	18	5400	.1	.3	.5	1800	25	75	58	37	29	20	4	3	19	2.0	251061.36		
28.11	2564	1.70	55	20	18	3	19	10.2	4.8	18	5900	.1	.5	.7	1760	25	75	58	38	29	19	4	3	19	2.3	255843.61		
29.11	2615	1.70	54	20	17	3	16	10.0	4.8	20	5600	.0	.4	.8	1760	25	75	57	37	28	18	3	2	18	2.0	264012.81		
30.11	2700	1.70	56	22	19	5	24	10.2	4.9	21	5300	.1	.3	.7	1800	23	77	63	41	30	21	4	3	17	1.2	272615.00		
01.12	2726	1.70	57	24	20	5	24	10.6	5.2	21	5300	.25	.4	.7	1600	23	77	68	44	33	22	4	3	18	1.4	275035.80		
02.12	2767	1.70	55	22	20	4	25	10.6	5.3	21	5400	.1	.9	1.0	1620	23	77	64	42	33	21	4	3	18	1.5	275339.05		
03.12	2804	1.70	58	22	20	4	25	10.8	5.5	22	5200	.1	1.0	.9	1480	23	77	66	44	35	24	4	3	18	1.6	276833.50		
04.12	2823	1.70	57	23	21	4	24	10.9	5.3	21	5300	.1	1.0	.8	1200	23	77	71	46	36	27	5	4	18	1.7	278974.00		
05.12	2865	1.70	49	21	17	3	21	10.6	5.5	21	5700	.35	1.1	.8	920	23	77	59	38	30	21	4	3	17	2.5	281273.20		
06.12	2909	1.70	47	22	18	3	21	11.0	5.2	21	5900	.5	1.8	1.2	820	24	76	62	40	28	19	4	3	19	2.5	281670.10		
07.12	2978	1.7	44	20	17	3	21	10.5	4.8	20.5	6100	.35	1.8	0.9	820	24	76	57	37	27	17	4	3	22		286349.00		
08.12	3007	1.7	52	21	18	4	23	10.5	5.2	20.6	5300	.35	1.5	0.9	800	24	76	60	39	29	18	4	3	21		294888.00		
09.12	3016	1.7	47	21	17	3	24	10.3	4.3	19	5900	.25	1.6	1.0	960	24	76	59	38	28	17	4	3	21		297972.00		
10.12	3041	1.7	44	17	15	2	19	10.6	4.8	18	5800	.4	2.1	1.3	860	24	76	49	32	25	16	4	3	18		301767.00		
11.12	3099	1.7	48	20	15	3	24	10.7	5.2	20	5900	.45	2.1	1.1	800	24	76	55	35	26	17	4	3	21		302586.00		
12.12	3115	1.7	47	20	15	3	24	10.7	5.1	20	5900	.45	2.3	1.1	800	24	76	55	35	26	17	4	3	21		302674.00		
13.12	3115	1.7	47	20	15	3	24	10.7	5.1	20	5900	.4	2.2	1.0	800	24	76	55	35	26	17	4	3	-1		320674.00		
14.12	3115	1.7	48	20	15	4	22	10.6	5.2	20	6000	.35	2.0	1.0	800	24	76	55	35	26	17	4	3	20		302674.00		
15.12	3115	1.7	49	20	14	3	25	10.9	4.9	21	6000	.4	2.2	1.0	840	24	76	54	34	25	17	4	3	19		308311.00		
16.12	3115	1.7	50	19	13	3	20	10.5	5.3	21	6000	.3	1.9	1.0	960	24	76	51	32	23	16	4	3	18		309200.00		
17.12	3115	1.7	47	18	12	3	19	10.5	5.6	23	5800	.2	1.5	0.9	1000	24	76	48	30	21	14	4	3	20		309200.00		
18.12	3115	1.4	43	14	10	4	30	11.0	8.4	30	3300	.1	1.1	0.8	440	14	86	38	24	16	12	3	2	18		312850.00		
19.12	3123	1.4	44	14	10	2	23	11.2	7.2	31	5800	.1	1.9	0.9	880	14	86	38	24	16	12	2	1	18		312850.00		
20.12	3202	1.4	54	15	12	2	9	10.8	4.4	7	6000	.1	1.3	0.9	880	14	86	42	27	18	13	2	1	18		325988.00		
21.12	3282	1.4	59	20	14	2	12	10.4	3.8	8	7600	.1	.9	0.8	920	14	86	54	34	22	14	2	1	19		328689.00		
22.12	3317	1.4	52	19	12	2	9	10.5	3.9	6	7500	.1	.8	0.9	760	15	85	50	31	21	13	2	1	19		330409.00		
23.12	3401	1.4	56	19	14	2	12	10.6	3.8	17	8500	.1	.7	0.9	920	15	85	52	33	23	13	2	1	19		335077.00		
DATE SPUD:			DATE D.:												COST:													



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DATE	DEPTH	WT.	VIS		CORR. 115°F		GELS		pH		FLUID LOSS		CL <input checked="" type="checkbox"/>		ALKALINITY			RETORT			V.G. METER READING @ 115°						Lbs Bbl		TOTAL MUD COST
			SEC.	PV	YP	0	10	BECK <input checked="" type="checkbox"/>	100 PSI API	500 PSI 200°F HT-HP	CACL <input type="checkbox"/>	NACL <input type="checkbox"/>	PF	PM	MF	CA ppm	% OIL	% SOL	% WATER	800 R.P.M.	300 R.P.M.	200 R.P.M.	100 R.P.M.	6 R.P.M.	3 R.P.M.	CEC			
24.12	3475	1.40	54	19	13	2	11	10.5	4.0	16	8200	.1	.9	.9	840		15	85	51	32	22	13	2	1	17	335143.54			
25.12	3498	1.40	54	18	14	2	11	10.4	4.0	16	8800	.1	.8	.8	840		15	85	50	32	21	13	2	1	18	336731.74			
26.12	3530	1.40	57	19	14	2	10	10.6	3.9	17	9000	.1	.8	.8	820		15	85	52	33	22	13	2	1	17	337436.09			
27.12	3595	1.40	59	19	14	2	12	10.2	4.0	17	9000	.1	.8	.7	800		15	85	52	33	22	13	2	1	17	338933.99			
28.12	3600	1.40	55	20	14	2	11	10.4	3.8	17	9000	.1	.8	.7	760		15	85	54	34	21	13	2	1	17	339772.00			
29.12	3600	1.40	55	20	14	2	11	10.4	3.8	17	9000	.1	.8	.7	760		15	85	54	34	21	13	2	1	17	339772.00			
30.12	3600	1.40	56																							"			
31.12	3600	1.40	55																								"		
01.01	3600	1.40	59																								"		
02.01	3600	1.40	59																								"		
03.01	3600	1.40	58																								"		
04.01	3600	1.40	55																								"		
DATE SPUD:			DATE T.D.:												COST:														



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DAILY MATERIALS CONSUMPTION

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DATE	DEPTH	BARITE	BENTONITE	CAUSTIC	SODA ASH	CaCl ₂	CELPOL Reg.	CELPOL S/LO	XCD POLYMER	MILPOL 302	GYPSUM	SPERSENE	DESCO	DRILLING DETERGENT	DAILY MUD COST \$	REMARKS
3.11	380		12	3	3										5001.30	Built Hi-VIS
4.11	380		5	1	1										2072.66	" "
5.11	389		10	2	2										4145.32	" "
Interval total		0	79	6	6										11219.28	
5.11	389		8	1	1										3289.34	Built Gel
6.11	628	15		3	1										2322.46	Built Gel and WT up kill mud to 1.23
7.11	820	9	1	13	1										2055.12	Dilute/Build seawater-Gel mud
8.11	820	10	6	2	1										3989.27	Dilute/maintain WT and Vis
9.11	820	25		27											4317.85	Dilute/maintain WT and Vis
10.11	820	30		20											4908.00	Dilute
11.11	820	41	7	7		20									9767.77	WT up for displacements, build new mud
Interval Total		130	22	73	4	20										
12.11	820	37	6	4			25	20	10		60				21779.36	Build new Gel & Gyp/Poly mud
13.11	823	10		1			26	19	7		69				14047.05	Build new Gyp/Poly mud & Premix
14.11	1126	27		5			19	19	11	21	101				21492.65	Dilute/maintain WT & Visc & Vol
15.11	1412	10		4			20	29		15	89				17511.80	Dilute/maintain WT, Visc & Volume
16.11	1568			3			13	25		20	56				12427.05	Drilled/Diluted
17.11	1676	62		6			10	20		15	56				19097.00	Drilled to csg.depth WT.-ed up
18.11	1676	28		5						3		23			5378.65	Logged.Prepared for drlg. cmt.
19.11	1660	10	1	4								56			3209.16	Ran/cmt.-ed 13 3/8" casing
Interval		187	7	32			113	132	28	84	421	79			114943.22	
20.11	1761	33					29				14				10822.80	Drilled cmt./flot/shoe/new hole
21.11	1974	74						26			26				16710.00	Raised MW. Drilled
22.11	2139	152		6			2	3		3	30	47	9		26115.00	" " "
23.11	2271	55		19			7	8			25	85			13795.95	Drilled.Added Premix/Spersene
24.11	2335	14		7			3	4			48	34	2		6068.45	Bit tripped/Drilled
25.11	2426	20		10			8	7			36	37	1		8012.30	Drilled. Wiper tripped
26.11	2493	33		11			3	3			11	34			7240.25	" Circ. for trip.

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DATE	DEPTH	BARITE	BENTONITE	CAUSTIC	SODA ASH	CELPOL RRS.	CELPOL SUPERLO	XCD-POLYMER	MILPOL 302	GYPSUM	SPERSENE	DESCO	XP-20	DRILLING DETERGENT	DAILY MUD COST	REMARKS
27.11	2497	33		8							18				5484.30	Tripped. Drilled WOW.
28.11	2564	18		9		4	3			19	15				4832.25	WOW. RIH. Drilled
29.11	2515	37		8		4	3			11	15			1	8119.20	Drilled, tripped
30.11	2700	11		12		18	6			62	55				8603.00	DRilled
1.12	2726	13		22											2420.80	Drilled, bit trip
2.12	2767	1		7											303.25	" "
3.12	2904	9		8			3								1494.45	" "
4.12	2823	9		28							36				2140.50	" "
5.12	2865	6		18											2299.20	Drilled
6.12	2909	0													396.90	DRilled, bit trip
7.12	2978	22		17						22	36				4680.00	Drlg.
8.12	3007	34		9		4	8			25	25				8539.00	Make Premix
9.12	3016	16		11											3084.00	Coring
10.12	3041	21		5						17	17				3795.00	Core. Drlg.
11.12	3099	1		8						3	21				818.00	Drlg
13.12	3115			4											88.00	Logging
14.12	3115	14		2												Logging
15.12	3115															Log. Stuc RFT
16.12	3115	9		9						11	37				3509.00	Wiper trip. Make Premix
17.12	3115	6													309.00	Logging. Wiper trip.
18.12	3115	5	7	2	1										3650.00	Run Csq. make gel slurry
INTERVAL		646	7	240	1	82				860	533	9		4		
19.12	3123		2			4					32		24		6640.00	Drlg.
20.12	3202	4		4		3					40		48		7312.00	Drlg. Reduce HPHT
21.12	3282	2		4		3					12				2700.00	Drlg
22.12	3317	3		6							12		26		1720.00	Reduce HPHT
23.12	3401	17		6		9					10				4559.00	Reduce gels and F.L.
24.12	3458			3											66.00	Drlg.
25.12	3498	8		3		2									1588.00	Drlg.



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MATERIALS CONSUMPTION BY INTERVAL

DRESSER

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MATERIALS CONSUMPTION BY INTERVAL

Interval 36" hole for 30" Casing.

Seabed - 389 m

<u>PRODUCT</u>	<u>UNIT SIZE</u>	<u>UNITS</u>	<u>UNIT COST</u>	<u>TOTALS</u>
Bentonite	M/T	27	\$ 405.56	\$ 10950.12
Caustic	25 kg/sxs	6	22.05	132.30
Soda Ash	50 kg/sxs	6	22.81	<u>136.86</u>
Interval total:				<u>\$ 11219.28</u>

Meters drilled : 74 m (Not including original pilot hole)
Average cost/m : \$ 151.61
Volume mud built : 285 m³
Average cost/m³ : \$ 39.37

Please note that this is price-list prices and not tender/actual prices!



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MATERIALS CONSUMPTION BY INTERVAL

Interval 26" Hole for 20" Casing.

389 m - 820 m

<u>PRODUCT</u>	<u>UNIT SIZE</u>	<u>UNITS</u>	<u>UNIT COST \$</u>	<u>TOTALS \$</u>
Magcobar	M/T	130	\$ 148.90	\$ 19357.00
Mabcogel	M/T	22	405.56	8922.32
Soda Ash	50 kg/sxs	4	22.81	91.24
Caustic	25 kg/sxs	73	22.05	1609.65
CaCl ₂	50 kg/sxs	20	33.48	<u>669.60</u>
			Interval Total	<u>\$ 30649.81</u>

Meters drilled : 431 m
Average cost/m : \$ 71.11
Volume mud utilized: 979 m³
Average cost/m³ : \$ 31.31

Please note that this is price-list prices and not tender/actual prices!



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MATERIALS CONSUMPTION BY INTERVAL

Interval 17 1/2" Hole for 13 3/8" Casing

820 m - 1676 m

<u>PRODUCT</u>	<u>UNIT SIZE</u>	<u>UNITS</u>	<u>UNIT COST</u>	<u>TOTALS</u>
Barite	M/T	184	\$ 148.90	\$ 27397.60
Bentonite	M/T	7	405.56	2838.92
Caustic	25 kg/sxs	32	22.05	705.60
Celpol reg.	25 kg/sxs	113	198.50	22430.50
Celpol SL	25 kg/sxs	132	208.00	27456.00
XCD-Polymer	50 lbs	28	397.20	11121.60
Milpol 302	50 lbs	84	198.50	16674.00
Gypsum	40 kg/sxs	421	10.90	4588.90
Spersene	25 kg/sxs	79	21.90	<u>1730.10</u>

Interval Total \$ 114943.22

Meters drilled : 856 m
Average cost/m : \$ 134.28
Mud volume built : 821 m³
Cost/m³ : \$ 140.00

Please note that this is price-list prices and not tender/actual prices!

DRESSER

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MATERIALS CONSUMPTION BY INTERVAL

Interval 12 1/4" Hole for 9 5/8" Casing

1676 m - 3115 m

<u>PRODUCT</u>	<u>UNIT SIZE</u>	<u>UNITS</u>	<u>UNIT COST</u>	<u>TOTALS</u>
MagcoBAR	M/T	646	\$ 148.90	\$ 96,189.40
Bentonite	M/T	7	405.56	2,838.92
Caustic	25 kg/sxs	240	22.05	5,292.00
Soda Ash	50 kg/sxs	1	22.81	22.81
Celpol Reg.	25 kg/sxs	82	198.50	16,277.00
Celpol S/L	25 kg/sxs	74	208.00	15,392.00
Milpol 302	50 lbs/sxs	3	198.50	595.50
Gypsum	40 kg/sxs	360	10.90	3,924.00
Spersene	25 kg/sxs	533	21.90	11,672.70
Desco	25 kg/sxs	9	41.90	377.10
Drlg. Deterg.	55 gal/drum	4	567.10	<u>2,268.40</u>
				<u>\$ 154,849.83</u>

Meters drilled: 1439 m
Average Cost/m: \$ 107.61
Mud Volume Built: 675
Cost/m³: \$ 229.41

Please note that this is price-list prices and not tender/actual prices!

DRESSER

DRESSER NORWAY A.S.

MAGCOBAR

Statoil, 6609/5-1

MATERIALS CONSUMPTION BY INTERVAL

Interval 8 ½" Hole

3115 m - 3600 m

<u>PRODUCT</u>	<u>UNIT SIZE</u>	<u>UNITS</u>	<u>UNIT COST</u>	<u>TOTALS</u>
Magcobar	MT	39	\$ 148.90	\$ 5807.10
Bentonite	MT	2	405.56	811.12
Caustic	25 kg/sxs	35	22.05	771.75
Celpol Reg.	25 kg/sxs	29	198.50	5756.50
Celpol S/L	25 kg/sxs	37	208.00	7696.00
Spersene	25 kg/sxs	127	21.90	2781.30
XP-20	50 lbs/sxs	98	33.76	<u>3308.48</u>
				<u>\$ 26932.25</u>

Meters Drilled: 485 m
Average cost/m: \$ 55.53
Mud Volume Built: 149 m
Cost/m³: \$ 180.75

Please note that this is price-list prices and not tender/actual prices!