DAILY MATERIALS CONSUMPTION

WELL 30/3-1 PAGE 1

DATE June	DEPTH Meters	Barite	Bentonite	Caustic Soda	Soda Ash	Magcogel 6%	Spersene	CMC LV	Lime	Nut Plug	Lime	Drilling Detergent	Magcomet	Bicarbonate	Drispac(SL) Mica (F)	DAILY MUD COST	REMARKS
10	207		4.33	6	2						6					1480.63	Mix up initial spud mud
11	212		9.14	5	1											2881.01	
12	511		9.14	6	2											2910.13	Drlg 17 1/2" Pilot Hole
13	915	2.03mt	18.29	10	3											6021.63	
14	987	7.11"		4	1	180										3526.49	Finish Drill pilot hole Run E log
15	1001		4.06	5	1	335										6192.39	Open hole to 26"
16	1001	41.65"	7.11	4	1					67						8283.61	
17	1001	14.22"	6.10	2												3582.32	Run 20" Csg.
18	1001		6.10	8	2											2000.60	
19	1001	23.37"														2776.36	WT mud in Pits to 1 lbsg
20	1001	2.03 "	4.06													1487.76	Work on Bops
21	1001	2 "														237.60	Work and testing BOP's
22	1006	13 "	6	63	49		22							22		6482.01	Drlg cmt. 12 hrs
23	1324			3		94	43									2086.56	Prehydrated 316 bbls of gel
24	1557	7 "		40		90	77					2				5113.51	Prehydrated 317 bbls of gel
25	1800	36 "		79		86	106		1			1				9403.99	" " 297 " " "
26	1800	18 "		9		80	6		1							3607.70	" " 260 " " "
27		57 "		47		90	92		10			5 2				14637.38	" " 258 " open hole to 193'
28	1800	48 "		61		241	162		9			5				15347.83	" " 640 "
29	1800	69 "		12			10	2		47						9501.30	
30	1800	5 "		20			13			40	3					1925.56	
1	1800	7 "		25			10					1		3		2510.17	Drilling cmt
2	1800	10 "		10		90	125							3		4673.93	" "
3	1807	43 "					73	7						1		6622.44	" "
4	2095	104 "				120	122	65								19577.41	Lowering F.L
5	2187	50 "				280	130	51	2							14842.85	Lowering F.L
6	2246	50.7 "		6			63	2		50				1	4	8554.39	Ream to bottom L/F/loss
7	2417	13.9 "				80	60	26	16							20159.86	Raising md wt
8	2468	114.79		3	1	80	38	25		66						17898.62	Raising md wt
9	2468	73.14		8			35	19	6	77					13 9	12200.11	Raising md wt
10	2468	9.14								9						1398.31	Circ out gas

DAILY MATERIALS CONSUMPTION

WELL 30/3-1 PAGE 2

	DATE	DEPTH Meters	M.T. BARITE	BENTONITE	CAUSTIC SODA	SODA ASH	LIME	BENTONITE SX	SPERSENE	CMC L.V.	NUT PLUG	D. DETERGENT	MAGCONOL	DIESEL	BICARBONATE	DRISPAC R	MICA F	AL STEARATE	DRISPAC SL	DAILY MUD COST US $	REMARKS
July	11	2468	62.9								42						42			8856.75	Circ out Chsg. raise m/weight
	12	2468	48.7		8		12	7	40	25	49						20	1		9267.18	" "
	13	2468	40.63		8			72												5822.75	Set cement plugs
	14	2468	19.3						6	30										4059.91	Finish circ out casing.
	15	2468	33.52						12		10						5	2	12	6234.13	Open hole to 17 1/2"
	16	2468	20.3				6		20	3	39								12	5339.24	Open hole to 17 1/2"
	17	2468	28.44						1		89								6	5728.46	Open hole to 17 1/2"
	18	2468	18.29				3		25		56	4	100						3	6958.98	Open hole to 17 1/2"
	19	2408	62		8					3	56		70							9510.33	" " increase MW to 1.66 13.8 pp
	20	2430	12						11		32				2					2149.27	Logging
	21	2430	19						12		14		80			2				3447.64	Reaming
	22	2430	1				5				16									417.41	" Rig up to run csg
	23	2430	34				4		5		13									4356.99	Increase wt of 432 in reserve to 13.
	24	2423	140		9	1		120	43							2				19426.95	Cmt. 13 3/8" casing
	25	2469	13			9				25										2883.81	RIH drill float collar pressure tes
	26	2536	64			7				19						2				9127.10	Dlrg 12 1/4" hole F 2469 to 2536m
	27	2589	62						51	2										8248.97	Dlrg 12 1/4" hole F 2536 to 2589m
	28	2657	106		33		20	58	133	24										17232.91	" " F 2559 to 2657m
	29	2703	77		24		16		85	10										11951.05	" " F 2657 to 2703m
	30	2787	58		9		16	90	67											9439.61	" " 2703 to 2787m
	31	2825	102		10		11		50	13										13800.40	" " 2787 to 2825m
	1	2905	63		13			50	88	15										10550.91	" " 2825 to 2905m
	2	2923	9.14MT				12		6											1269.23	" "
	3	2944	21.33MT			2		60	4											3490.00	" "
	4	3000	37.59MT			8	10		43	25						1				404466.19	" "
	5	3051	88.28MT			8	2		45	20									1	417019.72	Loose returns at 3051m
	6	3052	72.13MT			6		65	73	8	65						30			12633.79	Regain returns drill 1m
	7	3110	-		16					40	41						78			5338 .88	Drlg 12 1/4" hole
	8	3128	16.25MT			5		40	2										3	3024.57	" "
	9	3174	28.44MT		8	5			20											3812.04	" "
	10	3181	9.14MT																	1086.17	Run E logs

DAILY MATERIALS CONSUMPTION

WELL _____ PAGE 3

DATE Aug	DEPTH Meters	Barite	Bentonite	Caustic Soda	Soda Ash	Lime	Bentonite SX	Spersene	CMC (LV)	Nut Plug	Detergent Magconol	Diesel	Bicarbonate	Drispac(R)	Mica (F)	Al Stearate	Drispac($L)	DAILY MUD COST	REMARKS
11	3225	16.25mt		8	1	5	89	30	20									4945.56	Drlg 12 1/2 hole
12	3284	13.21mt		8				23										2009.22	Drlg 12 1/4 hole
13	3312	23.37mt		20		10		40	20									4806.07	Drlg 12 1/4 hole
14	3359	22.35mt		2				24										3041.29	Drlg 12 1/4 hole
15	3394			10		6		15	10									946.89	Drlg 12 1/4 hole
16	3409	4mt		5		3		25	5									1213.42	POOH to change bit
17	3460	16mt		5		21		66	5									3397.77	Drlg 12 1/4 hole
18	3515	20mt		6		24		53	6									3766.73	Drlg 12 1/4 hole
19	3519	2mt				4		9										404.53	POOH to change bit
20	3564	28mt		10		14		54	10									4925.18	Drlg 12 1/4 hole
21	3607	13mt		6		7		54										2484.49	Drlg 12 1/4 hole
22	3635	24mt		6		0		16	10									3721.22	POOH to change bit
23	3664	16mt	49	7		0		26	3									3255.03	Drlg 12 1/4 hole
24	3709	14mt		6		3		30										2209.41	Drlg 12 1/4 hole
25	3711	7mt						10										982.90	POOH to change bit
26	3718.8	27mt		6				10										3428.40	Drlg 12 1/2 hole
27	3718.8	31mt		6				7		15					15			4378.75	Circulating
28	3718.8	19mt		3				21		2					9			2808.21	Losing mud
29	3718.8	76mt		12				24	4									10975.24	
30	3718.8			10			84	1		75					86			3531.55	
31	3718	5.08																603.43	Run 9 5/8 csg
1	3718	2.03			1		20											543.50	Cement Csg. Run seal ass.
2	3708	4																475.20	Attempt run seal ass.
3	3708	15.24					26											2188.33	Run seal ass
4	3708	11.17		4														1373.70	Plug Csg.
5	3708																	-	Dump mud pull riser

DRESSER

DAILY MUD PROPERTIES

DATE	Meters DEPTH	SG WT	VIS SEC	CORR 115°F PV	CORR 115°F YP	GELS 0 10	pH BECK ☐ STRIP ☐	FLUID LOSS 100 PSI API	FLUID LOSS 500 PSI 300 °F HT HP	CL ☐ CACL ☐ NACL ☐	ALKALINITY PF	ALKALINITY PM	ALKALINITY MF	CA ppm	RETORT % OIL	RETORT % SOL	RETORT % WATER	V.G. METER READING @ 115° 600 R P M.	300 R P.M.	200 R P.M.	100 R P.M.	6 R P.M.	3 R P.M.	Bbl CEC		US Dlrs TOTAL MUD COST
June 10	207	1.03	120																							1480.63
11	212	1.03	58																							4361.64
12	511	1.06	37																							7271.77
13	915	1.06	38																							13293.40
14	987	1.06	44																							16819.89
15	987	1.13	40																							23012.48
16	1001	1.15	40																							31296.09
17	1001	1.15	56																							34878.41
18	1001	1.02	43																							36879.01
19	1001	1.10	39																							39655.37
20	1001	1.10	39																							41143.13
21	1001	1-10	39																							4143.13
22	1006	1.1	43	9	14	13 29	12.5	18		500	4.6	5.6		0	0	4	96	32	23	18	14	7	6	12.5		47862.74
23	1006	1.1	42	10	10	15 42	12	18		750	1.0	3.2	1.2	0	0	3	97	30	20	16	10	4	4	22.5		49949.30
24	1557	1.12	43	11	9	7 45	11	15		7000	1	1.6	1.4	0	0	4	96	31	20	15	10	3	2	32.5		55062.81
25	1800	1.1	43	7	10	7 34	12	14		1000	0.8	2	1.1	0	0	6	94	24	17					35		64466.80
26	1800	1.1	45	6	10	7 45	12	13		11000	0.8	1.6	1.2	0	0	5	95	22	16					35		68074.50
27	1466	1.2	45	8	9	6 46	12	12		11000	1.2	2.3	1.6	0	0	8	92	25	17					37		82711.88
28	1800	1.2	45	10	10	6 40	12	9		11000	0.8	4.5	1.6	0	0	9	91	30	20					37.5		98059.71
29	1800	1.25	45	11	9	9 32	10.8	9		11000	0.9	1.8	1.4	0	0	10	90							37.5		107561.01
30	1800	1.25	46	10	10	7 35	11.2	8		11000	0.9	2.5	1.6	0	0	10	90	30	20					37.5		109485.57
1	1800	1.25	49	5	8	4 36	11.8	13		11000	1.3	7.2	2.0	0	0	8	92	18	13					37.5		111996.76
2	1800	1.25	65	9	11	16 46	11.6	28		11000	2.8	32	3.4	0	0	8	92	30	21					37.5		116670.67
3	1807	1.25	60	6	10	11 26	11.9	26		16500	1.6	16	2.0	0	0	8	92	22	16					20		123293.11
4	2095	1.29	49	7	10	8 25	11.7	19		16000	1.3	13.7	1.7	0	0	11	89	25	17					27		42870.52
5	2187	1.29	49	12	16	8 52	10.6	11		16000	0.6	5.9	1.0	0	0	14	89	40	28					32.5		157713.27
6	2187	1.29	49	12	18	6 60	10.5	9.3		15000	0.5	6.0	1.2	0	0	17	83	48	33					30.0		166267.76
7	2417	1.40	47	10	14	4 38	10.0	8.8		15000	0.5	4.6	1.0	30		17	83	34	24					30.0		186427.62

DATE SPUD | DATE T D | B H T. | COMPLETION FLUID TYPE | COST

PACKER MUD TYPE | COST

DRESSER

DAILY MUD PROPERTIES

PAGE 2

July DATE	DEPTH m	WT SG	VIS SEC.	CORR. 122°F PV	YP	GELS 0	10	pH BECK ☒ STRIP ☐	FLUID LOSS 100 PSI API	500 PSI 300 °F HT-HP	CL ☒ CACL ☐ NACL ☐	ALKALINITY PF	PM	MF	CA ppm	RETORT % OIL	% SOL	% WATER	V.G. METER READING @ 115° 122° 600 R.P.M.	300 R.P.M.	200 R.P.M.	100 R.P.M.	6 R.P.M.	3 R.P.M.	Bbl CEC		TOTAL MUD COST
8	2468	1.48	49	13	8	3	30	10.2	9.2		15000	0.5	3.0	1.2	20		18	82	34	21					28		204326.24
9	2468	1.54	45	13	9	2	18	10.5	7.4		14000	0.6	3.0	1.2	20	0.5	18		35	22					25		216606.35
10	2468	1.57	40	11	9	2	20	10.7	7.6		13000	0.6	2.3	1.4	20	1	18	81	31	20					25		218004.66
11	2468	1.62	45	13	9	2	28	10.1	8.2		12000	0.5	2.6	1.2	20	tr	23	77	35	22					28		226861.41
12	2468	1.66	43	12	9	2	22	10.2	8.0		12000	0.5	2.5	1.3	20	tr	23	77	33	21					25		236128.59
13	2468	1.66	44	13	10	2	29	11.0	8.8		12000	0.6	3.0	1.4	30	tr	23	77	36	23					28		241951.34
14	2468	1.66	39	12	9	2	26	10.4	8.8		12000	0.6	2.6	1.3	30	tr	22	78	33	21					30		246011.25
15	2468	1.65	47	12	18	4	36	10.8	7.6		13000	0.7	3.6	1.5	60	-	21	79	42	30					25		252245.38
16	2468	1.65	45	15	12	4	30	11.0	7.0		12500	0.5	3.8	1.7	30	tr	22	78	42	27					25		257584.62
17	2468	1.65	48	15	15	4	29	10.8	6.5		13000	0.5	3.0	1.3	30	tr	22	78	45	20					25		263313.08
18	2468	1.65	55	17	14	4	32	10.0	5.8		14000	0.3	2.8	0.9	30	tr	21	79	48	21					23		270272.06
19	2408	1.66	55	18	15	4	32	11.4	6		12000	0.5	2.6	1.4	30	7	22	71	51	22					25		279782.39
20	2430	1.66	47	15	15	3	33	11.6	6.2		12000	0.5	3.8	1.6	tr	6	22	72	45	20					26		281931.66
21	2430	1.66	58	15	18	5	33	11.2	6		13000	0.35	3.9	1.6	tr	7.5	22.5	70	48	22					27.5		285379.30
22	2430	1.66	54	15	18	4	29	11.3	6.1		13000	0.6	3.9	1.6	tr	7	22	71	48	22					25		285796.71
23	2430	1.66	47	16	17	4	32	11.3	7.1		13000	0.6	3.8	1.7	tr	7	22	71	49	22					25		290153.70
24	2423	1.66	48	16	14	4	19	10.6	12.8		10500	0.2	2.7	0.9	850	tr	27	71	36	20					25		309580.65
25	2469	1.66	43	13	12	3	22	11.5	8.2		11000	0.4	1.2	1.5	320	3	23	74	38	25					25		312464.46
26	2536	1.75	53	15	14	3	35	12.1	6		11000	0.5	1.6	1.1	400	2	24	74	44	29					22.5		321591.56
27	2559	1.79	42	11	10	3	19	11.1	6		13000	0.4	0.5	0.6	0	2	24	74	32	21					20		329840.53
28	2657	1.80	47	14	13	3	18	11.8	7		11000	0.6	1.8	1.6	tr	1	25	75	41	27					20		347164.41
29	2703	1.85	45	12	11	3	18	12.2	6		12000	1.6	3.8	3.6	tr	0.5	27	72.5	35	23					20		359115.49
30	2787	1.85	53	13	14	3	26	12.1	5		13000	0.8	1.5	1.5	320	0.5	27	72.5	40	27					20		368555.10
31	2825	1.85	47	14	14	3	26	12.0	6		14000	0.6	1.8	1.8	tr	0.5	27	72.5	42	28					22.5		382355.50
1	2905	1.85	47	12	12	3	23	11.5	6		14000	0.2	1.0	0.5	tr	-	28	72	36	24					26.0		392886.41
2	2923	1.85	46	10	10	3	27	11.2	6.2	17.4	14000	0.4	1.6	0.9	20	-	28	72	30	20					25.0		394155.64
3	2944	1.85	47	9	10	3	30	10.7	6.4	17.0	14000	0.4	1.6	0.9	tr	-	29	71	28	19					27.5		397645.64
4	3000	1.85	46	10	13	3	32	11.2	6.0	16.0	14000	0.5	2.5	1.0	tr	tr	29	71	33	23					25.0		404466.19

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

PACKER MUD TYPE: COST:

DRESSER

DAILY MUD PROPERTIES

Aug DATE	Meters DEPTH	SQ WT.	VIS SEC.	CORR. 115°F PV	CORR. 115°F YP	GELS 0	GELS 10	pH BECK ☐ STRIP ☐	FLUID LOSS 100 PSI API	FLUID LOSS 500 PSI 300 °F HT-HP	CL ☐ CACL ☐ NACL ☐	ALKALINITY PF	ALKALINITY PM	ALKALINITY MF	CA ppm	RETORT % OIL	RETORT % SOL	RETORT % WATER	V.G. METER READING @ ~~115~~ XXX122°F 600 R.P.M.	300 R.P.M.	200 R.P.M.	100 R.P.M.	6 R.P.M.	3 R.P.M.	Bbl CEC		US Dollar TOTAL MUD COST
5	3051	1.85	45	10	11	3	32	10.4	7.0		140000	0.3	1.7	0.9	TR	TR	28	72	31	21					27		417019.72
6	3052	1.80	42	9	9	2	6	10.0	6.8	16.4	140000	0.2	1.7	0.8	TR	TR	27	73	27	18					22.5		429653.51
7	3110	1.80	47	9	11	2	32	11.0	5.8	15.6	140000	0.4	1.9	0.8	TR	TR	28	72	29	20					25		434992.49
8	3128	1.80	50	10	10	2	32	11.5	4.8	15.4	140000	0.5	2.2	1.0	TR	TR	28	72	30	20					25		438017.06
9	3174	1.80	46	10	13	3	24	11.0	4.4	11.0	140000	0.5	2.7	0.9	TR	TR	28	72	33	23					25		441829.10
10	3181	1.80	47	9	14	2	22	10.8	4.4	10.8	140000	0.4	2.4	0.9	TR	TR	28	72	32	23					25		442915.27
11	3225	1.80	50	13	15	3	20	10.5	3.7	11.0	120000	0.5	3.0	1.0	TR	-	28	72	41	28					25		447860.83
12	3284	1.80	49	27	15	4	25	10.6	3.8	10.7	125000	0.4	2.7	0.8	TR	-	28	72	69	42					25		449870.65
13	3312	1.80	50	27	k4	4	22	11.3	4.0	11.3	125000	0.5	2.8	1.1	TR	TR	28	72	68	41					27.5		454676.12
14	3359	1.78	50	26	12	3	20	10.6	4.4	11.8	130000	0.5	2.0	1.7	TR	-	27	73	64	38					27.5		457717.41
15	3394	1.78	50	28	12	3	19	11.2	4.2	10.3	130000	0.8	2.5	1.6	TR	-	28	72	68	40					25		458664.30
16	3409	1.78	52	29	14	4	17	11.4	3.8	10	140000	0.9	2.0	3.1	TR	-	27	73	72	43					25		459877.72
17	3460	1.78	51	27	14	4	17	11.5	4.0	9.6	145000	0.8	2.4	2.4	TR	-	26	74	68	41					25		463275.49
18	3515	1.78	49	25	15	4	22	11.4	4.0	11	145000	1.0	3.2	3.0	350	-	26	74	65	40					27		467042.27
19	3519	1.78	50	30	15	4	23	11.1	5.6	13	140000	0.9	2.4	2.6	TR	-	28	72	75	45					25		467446.75
20	3564	1.78	51	28	14	3	20	11.7	3.8	12	135000	0.5	1.3	2.8	400	-	26	74	70	42					25		472371.93
21	3607	1.78	49	24	12	3	19	10.8	4.2	10	145000	0.3	0.9	1.4	400	-	26	74	60	36					25		474856.42
22	3635	1.78	48	27	13	3	19	11.1	4.2	10	145000	0.4	1.6	1.6	400	-	26	74	67	40					25		478577.64
23	3664	1.78	49	26	14	3	22	10.5	4.0	9	150000	0.5	0.6	1.1	300	0	28	72	66	40					25		811832.67
24	3709	1.79	49	28	14	3	23	10.3	4.2	9	150000	0.4	1.1	1.0	320	-	28	72	70	42					25		484042.07
25	3711	1.80	49	26	13	3	24	10	3.8	9	150000	0.3	0.5	0.9	480	-	30	70	65	39					25		485024.95
26	3718.8	1.80	53	25	15	4	23	10.7	3.8	9	150000	0.5	0.8	2.0	480	-	29	71	65	40					25		488453.11
27	3718.8	1.82	49	25	14	4	23	10.5	4.0	9	155000	0.3	0.8	1.1	400	-	31	69	64	39					25		492831.81
28	3718.8	1.81	46	21	11	3	17	10.9	4.8	11	155000	0.1	0.8	0.9	320	-	30	70	53	32					25		491261.35
29	3718.8	1.81	52	23	11	3	17	10.5	4.4	11	155000	0.2	0.3	0.4	480	-	31	69	57	34					25		502236.57
30	3718	1.81	46	21	11	3	15	11.6	4.0	11	140000	0.35	0.4	0.9	280		31	69	53	32					25		
31	3718	1.81																									

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

PACKER MUD TYPE: COST: