

MAGMA ELECTRIC CO.

P.O. Box 56
 HOLTVILLE, CALIFORNIA 92250
 (619) 356-4635

July 2, 1986

EAST MESA PLANT

A. W. Hoch, President
 Magma Power Co.
 P.O. Box 17760
 Los Angeles, CA 90017

SUBJECT: East Mesa Operations for June 1986

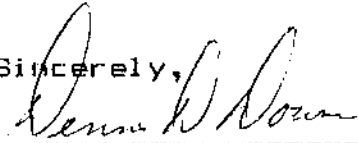
Dear Andy:

PLANT OPERATIONS HIGHLIGHTS: The plant had an on line percentage of 100% with gross generation of 7,532,000 KWHS and sales of 4,452,000 KWHS. We had 103% net capacity factor for our peak period this month.

WELL OPERATIONS HIGHLIGHTS: Average brine flow for the month was 1,324,567 lb/hr (2980 gpm).

On June 20th Well #44-7B was put back into service with a 300 gpm pump, average flow of 148,273 lb/hrs (333 gpm)

Sincerely,



 DENNIS D. DOWNS
 East Mesa Superintendent

cc: B.C. McCabe
 J.W. Aidlin
 T.C. Hinrichs
 R.L. Tenney
 Buck McCabe
 E. Zajac
 G.K. Crane
 S. Hagerty
 A. Taylor
 J. Shepard
 A.L. Johnson
 P.M. Pankratz
 J.M. Leathers
 R.L. Walzel
 Fred Teeters
 S.G. Stiger
 P.M. Wright
 M. Lipmann

PLANT JUN 86	BRINE FLOW LBS/HR	TEMP IN DEGREES	TEMP OUT DEGREES F	GROSS MW DAY	NET MW DAY	HOURS DAY	COOLING H2O DEGREES F	COND PRESS	WET BULB DEGREES F	HEAT RATE LBS/KW	PLANT EFF.	TURBINE IN DEGREES F	TURBINE OUT DEGREES F
1	1274000	348	162	238	143	24.0	76.0	56.3	70.7	128.5	14.3	300	160
2	1280667	348	162	252	144	24.0	76.7	56.7	70.0	122.0	15.0	300	161
3	1284667	348	163	238	142	24.0	77.0	56.7	70.3	129.5	14.2	300	161
4	1288667	348	163	238	142	24.0	77.0	56.6	70.7	129.9	14.2	300	162
5	1291666	348	163	252	144	24.0	76.8	56.3	71.0	123.0	15.0	301	161
6	1290000	348	162	252	148	24.0	74.3	54.0	71.0	122.9	14.9	301	157
7	1286000	348	160	252	150	24.0	74.3	54.0	71.3	122.5	14.8	300	161
8	1287667	348	157	252	154	24.0	71.3	51.6	71.7	122.6	14.6	300	149
9	1288667	348	159	266	152	24.0	73.3	53.3	72.3	116.3	15.5	300	150
10	1289667	348	161	238	147	24.0	75.0	55.0	73.3	130.1	14.0	300	153
11	1287333	348	161	252	144	24.0	74.7	55.3	72.7	122.6	14.9	300	152
12	1290333	348	162	238	142	24.0	74.3	57.0	70.3	130.1	14.1	300	158
13	1287333	348	162	252	146	24.0	72.7	54.7	65.0	122.6	15.0	300	155
14	1287333	348	162	238	144	24.0	73.3	55.7	67.7	129.8	14.1	300	155
15	1287000	348	162	252	147	24.0	72.7	54.3	64.7	122.6	15.0	300	156
16	1288333	348	162	252	148	24.0	72.0	54.7	63.7	122.7	15.0	300	156
17	1284333	348	161	252	144	24.0	73.3	56.0	66.0	122.3	14.9	300	157
18	1283000	348	160	252	147	24.0	72.0	54.3	62.7	122.2	14.9	300	154
19	1284333	348	160	238	148	24.0	71.5	54.0	64.7	129.5	14.0	300	153
20	1384333	348	163	266	160	24.0	71.5	54.8	65.3	124.9	14.8	300	156
21	1390333	348	164	266	159	24.0	73.0	57.0	65.3	125.4	14.8	300	157
22	1385667	348	163	266	159	24.0	73.3	57.0	67.7	125.0	14.8	300	156
23	1384667	348	164	266	158	24.0	74.5	57.3	70.3	124.9	14.8	300	158
24	1382000	348	165	252	150	24.0	76.0	61.0	70.3	131.6	14.2	300	158
25	1388000	348	166	252	150	24.0	76.3	61.3	70.3	132.2	14.2	300	159
26	1401333	348	165	252	147	24.0	76.7	62.3	70.3	133.5	14.0	300	157
27	1399333	348	166	238	145	24.0	77.0	63.0	72.7	141.1	13.3	300	166
28	1398333	348	166	252	145	24.0	78.3	63.3	74.0	133.2	14.1	300	166
29	1392000	348	165	252	149	24.0	78.3	61.3	70.3	132.6	14.1	300	165
30	1390000	348	165	266	154	24.0	77.7	55.7	73.0	125.4	14.9	300	161
AVERAGE	1324567	348	163	251	148		74.7	56.8	69.3	126.7	14.5	300	157
TOTAL	953687952			7532	4452	720.0							

ON LINE PERCENTAGE = 100.0%
PEAK PERIOD AVERAGE = 6.71
MID PEAK AVERAGE = 5.99
OFF PEAK AVERAGE = 6.03

POWER DATE JUN 86	SPRAYS PANEL 201	WELLS PANEL 202	TOSHIBA PANEL 203	KVA PANEL 204	ELEC BFP PANEL 206	GROSS MW PANEL 207	MW BOUGHT 31 DK METER	MW SOLD 31 K METER	DEMAND METER
1	14.0	25.2	33.6	2.8	24.5	238.0	0.0	143.0	0.0
2	11.2	25.2	33.6	4.2	24.5	252.0	0.0	144.0	0.0
3	14.0	25.2	33.6	2.8	21.0	238.0	0.0	142.0	0.0
4	14.0	29.4	33.6	4.2	21.0	238.0	0.0	142.0	0.0
5	15.4	25.2	33.6	2.8	24.5	252.0	0.0	144.0	0.0
6	14.0	25.2	33.6	2.8	21.0	252.0	0.0	148.0	0.0
7	15.4	25.2	33.6	4.2	24.5	252.0	0.0	150.0	0.0
8	15.4	29.4	33.6	2.8	24.5	252.0	0.0	154.0	0.0
9	12.6	25.2	33.6	2.8	24.5	266.0	0.0	152.0	0.0
10	14.0	25.2	33.6	2.8	24.5	238.0	0.0	147.0	0.0
11	14.0	29.4	33.6	4.2	17.5	252.0	0.0	144.0	0.0
12	14.0	25.2	33.6	2.8	24.5	238.0	0.0	142.0	0.0
13	14.0	25.2	33.6	2.8	24.5	252.0	0.0	146.0	0.0
14	15.4	25.2	33.6	4.2	21.0	238.0	0.0	144.0	0.0
15	14.0	25.2	33.6	2.8	24.5	252.0	0.0	147.0	0.0
16	14.0	29.4	33.6	2.8	24.5	252.0	0.0	148.0	0.0
17	14.0	25.2	33.6	4.2	21.0	252.0	0.0	144.0	0.0
18	14.0	25.2	33.6	2.8	24.5	252.0	0.0	147.0	0.0
19	14.0	25.2	33.6	2.8	21.0	238.0	0.0	148.0	0.0
20	14.0	29.4	33.6	4.2	24.5	266.0	0.0	160.0	0.0
21	15.4	29.4	33.6	2.8	24.5	266.0	0.0	159.0	0.0
22	14.0	29.4	33.6	2.8	21.0	266.0	0.0	159.0	0.0
23	14.0	25.2	33.6	4.2	24.5	266.0	0.0	158.0	0.0
24	14.0	29.4	33.6	2.8	21.0	252.0	0.0	150.0	0.0
25	14.0	29.4	33.6	4.2	24.5	252.0	0.0	150.0	0.0
26	14.0	29.4	33.6	2.8	21.0	252.0	0.0	147.0	0.0
27	12.6	25.2	33.6	4.2	24.5	238.0	0.0	145.0	0.0
28	19.6	29.4	33.6	2.8	24.5	252.0	0.0	145.0	0.0
29	14.0	29.4	33.6	2.8	21.0	252.0	0.0	149.0	0.0
30	12.6	29.4	33.6	4.2	24.5	266.0	0.0	154.0	0.0
AVERAGE	14.2	27.0	33.6	3.3	23.1	251.1		148.4	
TOTAL	425.6	810.6	1008	99.4	693.0	7532	0.0	4452	

METER DIFFERENCE = 43.4

WELLS	WELL #1	WELL #2	WELL #3	WELL #4	WELL #5	WELL #6	WELL #7	WELL #8	WELL #9	WELL #10	TOTAL
DATE	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	BRINE FLOW
JUN 86	44-7A	44-7	44-7B	4B-7A	4B-7	8B-7	63-7	61-7	81-7	83-7	
1	1437000			228000	234000			145000	137000	134000	1315000
2	1440000			228000	237000			145000	138000	134000	1322000
3	1435000			228000	239000			145000	136000	135000	1318000
4	1435000			228000	241000			144000	135000	137000	1320000
5	1437000			228000	245000			144000	135000	137000	1326000
6	1437000			228000	242000			145000	134000	136000	1327000
7	1435000			228000	247000			145000	134000	136000	1325000
8	1437000			228000	245000			145000	134000	136000	1325000
9	1439000			228000	243000			145000	134000	135000	1324000
10	1439000			228000	243000			144000	135000	135000	1324000
11	1438000			228000	241000			145000	134000	135000	1321000
12	1437000			228000	240000			147000	135000	136000	1323000
13	1434000			228000	242000			149000	134000	136000	1323000
14	1432000			225000	240000			147000	135000	136000	1315000
15	1436000			225000	242000			147000	136000	136000	1322000
16	1435000			225000	244000			147000	135000	137000	1323000
17	1437000			225000	244000			147000	134000	135000	1322000
18	1436000			220000	244000			148000	133000	134000	1315000
19	1436000			220000	242000			148000	132000	134000	1312000
20	1415000		149000	220000	237000			145000	132000	133000	1431000
21	1408000		146000	220000	236000			144000	131000	132000	1417000
22	1404000		145000	220000	237000			144000	131000	131600	1412000
23	1405000		148000	220000	236000			143000	130000	131000	1413000
24	1406000		146000	220000	234000			143000	131000	130000	1410000
25	1409000		147000	220000	236000			144000	131000	132000	1419000
26	1414000		150000	220000	240000			145000	132000	134000	1435000
27	1413000		149000	220000	240000			145000	132000	134000	1433000
28	1411000		152000	220000	235000			145000	130000	134000	1427000
29	1410000		150000	220000	243000			145000	131000	133000	1432000
30	1413000		149000	220000	238000			144000	130000	133000	1427000
AVG	426667		148273	224133	240233			145300	133367	134367	1358433

INJECTION:	46-7B	WELL 46-7B	46-7	WELL 46-7	84-7	WELL 84-7	TOTAL
WELLS	#1	#1	#3	#3	#4	#4	BRINE
JUN 86	PSIG	FLOW	PSIG	FLOW	PSIG	FLOW	FLOW
1	424	830000	470	90000	448	378000	1298000
2	427	840000	473	90000	450	372000	1302000
3	429	840000	475	84000	451	378000	1302000
4	433	840000	469	78000	446	366000	1284000
5	439	880000	459	79000	438	366000	1325000
6	437	870000	459	72000	436	354000	1296000
7	435	870000	458	72000	435	360000	1302000
8	434	880000	454	72000	433	360000	1312000
9	435	870000	457	66000	434	360000	1296000
10	436	880000	457	72000	434	360000	1312000
11	437	880000	456	66000	435	360000	1306000
12	436	870000	458	66000	437	360000	1296000
13	436	880000	458	72000	436	360000	1312000
14	437	880000	458	66000	437	360000	1306000
15	437	870000	459	66000	438	360000	1296000
16	436	880000	459	66000	437	360000	1306000
17	437	880000	459	66000	438	360000	1306000
18	435	870000	458	66000	435	360000	1296000
19	435	870000	456	72000	434	360000	1302000
20	459	960000	462	72000	441	372000	1404000
21	462	960000	465	72000	443	372000	1404000
22	463	960000	465	72000	443	372000	1404000
23	464	960000	466	72000	445	372000	1404000
24	465	960000	468	72000	446	372000	1404000
25	466	950000	469	66000	446	372000	1388000
26	470	960000	475	72000	451	372000	1404000
27	470	960000	472	72000	450	372000	1404000
28	471	960000	473	72000	452	378000	1410000
29	471	960000	473	66000	450	372000	1398000
30	470	960000	473	66000	451	372000	1398000
AVERAGE	446	901000	464	71833	442	366400	1339233
TOTAL		648720000		51720000		263808000	964248000

WELL NUMBER	WELLHEAD	TEMPERATURE	NITROGEN	ANNULUS	FLOW	HOURS	AMPS	NPSH	NPSH	FLOW	POWER CONSUMPTION
JUN 86	PSIG	DEGREES F.	PSIG	PSIG	LBS/HR			FEET	PSIG	GPM	KW/1,000,000LBS
1	285	340	310	100	437000	24	290	535.5	306.2	983.3	551.1
2	284	340	310	100	440000	24	290	535.5	306.2	990.0	547.3
3	281	340	310	100	435000	24	290	535.5	306.2	978.8	553.6
4	276	340	309	100	435000	24	291	533.0	305.2	978.8	555.5
5	275	340	309	99	437000	24	290	535.5	305.2	983.3	551.1
6	275	340	308	100	437000	24	290	530.4	304.2	983.3	551.1
7	274	340	306	100	435000	24	291	525.3	302.2	978.8	555.5
8	275	340	306	100	437000	24	291	525.3	302.2	983.3	553.9
9	275	340	306	100	439000	24	291	525.3	302.2	987.8	550.4
10	275	340	306	99	439000	24	293	527.9	302.2	987.8	554.2
11	277	340	308	91	438000	24	294	553.4	304.0	985.5	557.4
12	276	340	307	84	437000	24	293	568.7	302.9	983.3	556.8
13	276	340	307	84	434000	24	293	568.7	302.9	976.5	560.6
14	278	340	308	84	432000	24	293	571.2	303.9	972.0	563.2
15	276	340	308	83	436000	24	291	573.8	303.9	981.0	554.2
16	277	340	309	85	435000	24	293	571.2	304.9	978.8	559.3
17	278	340	309	84	437000	24	296	573.8	304.9	983.3	562.5
18	279	342	309	84	436000	24	297	573.8	304.9	981.0	565.7
19	279	340	309	84	436000	24	297	573.8	304.9	981.0	565.7
20	285	338	293	79	415000	24	296	545.7	289.1	933.8	592.3
21	286	337	287	77	408000	24	295	535.5	283.2	918.0	600.4
22	288	337	282	78	404000	24	294	520.2	278.3	909.0	604.3
23	291	337	286	79	405000	24	292	527.9	282.2	911.3	598.7
24	290	336	285	79	406000	24	294	525.3	281.2	913.5	601.3
25	290	336	285	79	409000	24	296	525.3	281.2	920.3	601.9
26	282	337	282	76	414000	24	299	525.3	278.2	931.5	597.7
27	280	337	282	76	413000	24	300	525.3	278.2	929.3	603.2
28	282	336	283	77	411000	24	300	525.3	279.2	924.8	606.1
29	280	336	282	77	410000	24	300	522.8	278.3	922.5	607.6
30	281	336	281	77	413000	24	298	520.2	277.3	929.3	599.2
AVERAGE	280	339	299	87	426667	24	294	541.2	295.5	960.0	572.7
TOTAL					30720000	720.0					

WELL NUMBER 3 JUN 86	WELLHEAD PSIG	TEMPERATURE DEGREES F.	NITROGEN PSIG	ANNULUS PSIG	FLOW LBS/HR	HOURS	AMPS	NPSH FEET	NPSH PSIG	FLOW GPH	POWER CONSUMPTION KW/1,000,000LBS
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20	292	345	277	80	149000	21.5	105	502.4	273.4	335.3	585.2
21	293	350	247	89	146000	24.0	100	402.9	244.1	328.5	568.8
22	293	350	262	92	145000	24.0	100	433.5	258.9	326.3	572.7
23	294	350	250	94	148000	24.0	100	397.8	247.2	333.0	561.1
24	295	350	254	95	146000	24.0	101	405.5	251.1	328.5	574.5
25	295	351	258	96	147000	24.0	101	413.1	255.0	330.8	570.5
26	286	350	260	96	150000	24.0	101	418.2	257.0	337.5	559.1
27	286	351	243	96	149000	24.0	101	374.9	240.3	335.3	562.9
28	288	351	265	96	152000	24.0	103	431.0	261.9	342.0	562.7
29	287	351	256	96	150000	24.0	104	408.0	253.1	337.5	575.7
30	288	351	255	96	149000	24.0	104	405.5	252.1	335.3	579.6
AVERAGE	291	350	257	93	148273		102	417.5	254.0	333.6	570.3
TOTAL					38773318	261.5					

WELL NUMBER 4 JUN 86	WELLHEAD PSIG	TEMPERATURE DEGREES F.	NITROGEN PSIG	ANNULUS PSIG	FLOW LBS/HR	HOURS	ANPS	NPSH FEET	KPSH PSIG	FLOW GPH	POWER CONSUMPTION KW/1,000,000LBS
1	345	347	238	94	228000	24	274	367.2	235.4	513.0	997.9
2	344	347	239	94	228000	24	274	369.8	236.4	513.0	997.9
3	345	347	240	94	228000	24	274	372.3	237.3	513.0	997.9
4	345	347	240	92	228000	24	275	377.4	237.3	513.0	1001.6
5	345	348	240	92	228000	24	274	377.4	237.3	513.0	997.9
6	345	348	240	92	228000	24	274	377.4	237.3	513.0	997.9
7	345	347	240	92	228000	24	273	377.4	237.3	513.0	994.3
8	345	347	240	92	228000	24	273	377.4	237.3	513.0	994.3
9	345	347	240	91	228000	24	274	380.0	237.3	513.0	997.9
10	345	347	240	90	228000	24	274	382.5	237.3	513.0	997.9
11	345	347	240	90	228000	24	274	382.5	237.3	513.0	997.9
12	345	347	240	89	228000	24	275	385.1	237.2	513.0	1001.6
13	345	347	240	89	228000	24	275	385.1	237.2	513.0	1001.6
14	345	348	240	89	225000	24	274	385.1	237.2	506.3	1011.2
15	345	347	240	90	225000	24	274	382.5	237.3	506.3	1011.2
16	345	348	240	90	225000	24	274	382.5	237.3	506.3	1011.7
17	345	348	239	88	225000	24	276	385.1	236.2	506.3	1010.6
18	345	348	240	88	220000	24	276	387.6	237.2	495.0	1041.8
19	345	348	240	89	220000	24	276	385.1	237.2	495.0	1041.8
20	348	348	241	89	220000	24	275	387.6	238.2	495.0	1038.0
21	348	347	240	88	220000	24	275	387.6	237.2	495.0	1038.0
22	350	348	240	88	220000	24	275	387.6	237.2	495.0	1038.0
23	349	348	240	85	220000	24	274	395.3	237.2	495.0	1034.2
24	346	348	239	85	220000	24	275	392.7	236.2	495.0	1038.0
25	348	348	240	84	220000	24	274	397.8	237.2	495.0	1034.2
26	345	347	240	84	220000	24	274	397.8	237.2	495.0	1034.2
27	346	347	240	94	220000	24	274	397.8	237.2	495.0	1034.2
28	346	348	240	83	220000	24	276	400.4	237.1	495.0	1041.8
29	346	348	240	84	220000	24	277	397.8	237.2	495.0	1045.5
30	349	348	241	83	220000	24	275	402.9	238.1	495.0	1038.0
AVERAGE TOTAL	346	348	240	89	224133		275	385.5	237.1	504.3	1017.6
					1613/6000	720.0					

WELL NUMBER 5 JUN 86	WELLHEAD PSIG	TEMPERATURE DEGREES F.	NITROGEN PSIG	ANNULUS PSIG	FLOW LBS/HR	HOURS	AMPS	NPSH FEET	NPSH PSIG	FLOW GPM	POWER CONSUMPTION KW/1,000,000LBS
1	312	350	324	169	234000	24	240	395.3	321.2	526.5	851.7
2	312	350	322	186	237000	24	241	346.8	319.5	533.3	844.4
3	310	350	318	203	239000	24	242	293.3	315.9	537.8	840.9
4	305	350	335	207	241000	24	242	326.4	332.7	542.3	833.8
5	301	350	345	209	245000	24	242	346.8	342.5	551.3	820.2
6	302	350	324	221	242000	24	241	262.7	322.1	544.5	827.0
7	302	350	317	230	247000	24	241	221.9	315.4	555.8	810.2
8	302	350	326	235	245000	24	241	232.1	324.3	551.3	816.8
9	302	350	308	241	243000	24	241	170.9	306.8	546.8	823.6
10	302	350	329	251	243000	24	241	198.9	327.6	546.8	823.6
11	302	350	341	256	241000	24	241	216.8	339.4	542.3	830.4
12	302	350	338	262	240000	24	240	193.8	336.6	540.0	830.4
13	302	350	345	268	242000	24	240	196.4	343.6	544.5	823.5
14	302	350	323	279	240000	24	239	112.2	322.2	540.0	826.7
15	302	350	343	283	242000	24	239	153.0	341.9	544.5	820.1
16	302	350	346	286	244000	24	238	153.0	344.9	549.0	819.0
17	301	350	322	288	244000	24	239	86.7	321.4	549.0	813.4
18	301	350	358	286	244000	24	239	163.6	356.7	549.0	813.4
19	301	350	372	287	242000	24	237	216.8	370.4	544.5	813.2
20	305	350	385	268	237000	24	235	247.4	383.2	533.3	823.4
21	306	350	399	289	236000	24	236	280.5	397.0	531.0	830.4
22	305	350	405	287	237000	24	236	300.9	402.8	533.3	826.9
23	306	350	407	289	236000	24	236	300.9	404.8	531.0	830.4
24	305	350	408	292	234000	24	236	295.8	405.9	526.5	837.5
25	304	350	392	290	236000	24	236	260.1	390.1	531.0	830.4
26	300	350	371	289	240000	24	238	209.1	369.5	540.0	823.5
27	300	350	411	289	240000	24	235	311.1	408.8	540.0	813.1
28	300	350	388	285	235000	24	235	262.7	386.1	528.6	830.4
29	298	350	351	284	243000	24	235	170.9	349.8	546.8	803.1
30	300	350	379	283	238000	24	234	244.8	377.2	535.5	816.4
AVERAGE TOTAL	303	350	354	260	240233		239	239.7	352.7	540.5	824.6
					172968000	720.0					

WELL NUMBER & JUN 86	WELLHEAD PSIG	TEMPERATURE DEGREES F.	NITROGEN PSIG	ANNULUS PSIG	FLOW LBS/HR	HOURS	AMPS	NPSH FEET	NPSH PSIG	FLOW GPM	POWER CONSUMPTION KW/1,000,000LBS
1	285	350	258	101	145000	24	114	400.4	255.1	326.3	652.9
2	287	350	248	100	145000	24	115	377.4	245.3	326.3	658.6
3	286	350	250	99	145000	24	115	385.1	247.2	326.3	658.6
4	285	350	246	98	144000	24	115	377.4	243.3	324.0	663.2
5	285	350	258	98	144000	24	115	408.0	255.1	324.0	663.2
6	288	350	253	98	145000	24	115	395.3	250.2	326.3	658.6
7	284	350	251	91	145000	24	115	408.0	248.1	326.3	658.6
8	285	350	246	91	145000	24	115	395.3	243.2	326.3	658.6
9	285	350	262	91	145000	24	115	436.1	258.9	326.3	658.6
10	284	350	259	86	144000	24	115	436.1	255.9	324.0	663.2
11	285	350	236	91	145000	24	115	369.8	233.4	326.3	658.6
12	285	350	248	92	147000	24	115	397.8	245.2	330.8	649.6
13	285	350	236	91	149000	24	115	369.8	233.4	335.3	640.9
14	285	350	248	90	147000	24	115	402.9	245.1	330.8	649.6
15	285	350	278	90	147000	24	115	479.4	274.6	330.8	649.6
16	284	353	264	90	147000	24	115	443.7	260.8	330.8	649.6
17	285	357	272	87	147000	24	115	471.8	268.6	330.8	649.6
18	285	357	259	86	148000	24	114	441.2	255.8	333.0	639.6
19	285	357	262	86	148000	24	115	448.8	258.8	333.0	645.2
20	291	357	241	85	145000	24	115	397.8	238.2	326.3	658.6
21	293	357	245	84	144000	24	115	410.6	242.1	324.0	663.2
22	294	357	266	82	144000	24	115	469.2	262.6	324.0	663.2
23	294	357	253	81	143000	24	115	438.6	249.9	321.8	667.8
24	295	357	255	80	143000	24	115	446.3	251.8	321.8	667.8
25	293	357	256	80	144000	24	115	448.8	252.8	324.0	663.2
26	288	357	269	79	145000	24	116	484.5	265.5	326.3	664.3
27	286	357	258	76	145000	24	115	464.1	254.7	326.3	658.6
28	288	357	264	75	145000	24	115	482.0	260.6	326.3	658.6
29	286	357	272	80	145000	24	115	489.6	268.5	326.3	658.6
30	287	357	273	75	144000	24	115	504.9	269.4	324.0	663.2
AVERAGE	287	353	256	88	145300		115	429.3	253.1	326.9	657.1
TOTAL					104616000	720.0					

WELL NUMBER 9 JUN 86	WELLHEAD PSIG	TEMPERATURE DEGREES F.	NITROGEN PSIG	ANNULUS PSIG	FLOW LBS/HR	HOURS	AMPS	NFSH FEET	NPSH PSIG	FLOW GPM	POWER CONSUMPTION KW/1,000,000LBS
1	325	346	235	42	137000	24	126	492.2	231.5	308.3	763.7
2	328	346	225	40	138000	24	127	471.8	221.6	310.5	764.2
3	330	346	225	40	136000	24	127	471.8	221.6	306.0	775.4
4	331	346	229	56	135000	24	127	441.2	225.8	303.8	781.2
5	331	346	231	51	135000	24	127	459.0	227.7	303.8	781.2
6	331	346	232	51	134000	24	127	461.6	228.7	301.5	787.0
7	330	346	224	52	134000	24	126	438.6	220.9	301.5	780.8
8	330	346	227	50	134000	24	126	451.4	223.8	301.5	789.8
9	331	346	234	48	134000	24	127	474.3	230.6	301.5	787.0
10	331	346	229	52	135000	24	127	451.4	225.8	303.8	781.2
11	331	346	221	50	134000	24	126	436.1	217.9	301.5	780.8
12	330	346	228	51	135000	24	127	451.4	224.8	303.8	781.2
13	330	346	225	50	134000	24	127	446.3	221.8	301.5	787.0
14	330	346	233	50	135000	24	127	466.7	229.7	303.8	781.2
15	330	346	228	50	136000	24	127	453.9	224.8	306.0	775.4
16	331	346	232	50	135000	24	127	464.1	228.7	303.8	781.2
17	330	347	232	54	134000	24	127	453.9	228.8	301.5	787.0
18	331	348	234	60	133000	24	127	443.7	230.8	299.3	792.9
19	332	348	229	58	132000	24	126	436.1	225.9	297.0	792.7
20	334	348	228	52	132000	24	127	448.8	224.8	297.0	798.9
21	332	349	238	51	131000	24	127	476.9	234.6	294.8	805.0
22	332	348	235	53	131000	24	126	464.1	231.7	294.8	798.7
23	332	349	231	56	130000	24	127	446.3	227.8	292.5	811.2
24	332	349	234	52	131000	24	127	464.1	230.7	294.8	805.0
25	332	349	235	50	131000	24	127	471.8	231.6	294.8	805.0
26	328	349	235	49	132000	24	127	474.3	231.6	297.0	798.9
27	330	349	232	50	132000	24	127	464.1	228.7	297.0	798.9
28	332	348	232	50	130000	24	127	464.1	228.7	292.5	811.2
29	330	348	229	52	131000	24	126	451.4	225.8	294.8	798.7
30	330	348	230	56	130000	24	127	443.7	226.8	292.5	811.2
AVERAGE	331	347	230	51	133367		127	457.8	227.1	300.1	789.5
TOTAL					9602400	720.0					

WELL NUMBER 10 JUN 86	WELLHEAD PSIG	TEMPERATURE DEGREES F.	NITROGEN PSIG	ANNULUS PSIG	FLOW LBS/HR	HOURS	AMPS	NPSH FEET	NPSH PSIG	FLOW GPM	POWER CONSUMPTION KW/1,000,000LBS
1	290	345	260	92	134000	24	117	428.4	256.9	301.5	725.1
2	290	345	267	92	134000	24	117	446.3	263.8	301.5	725.1
3	288	345	260	92	135000	24	117	428.4	256.9	303.8	719.7
4	280	345	252	93	137000	24	117	405.5	249.1	308.3	709.2
5	280	345	256	93	137000	24	118	415.7	253.0	308.3	715.2
6	280	345	250	93	136000	24	118	400.4	247.1	306.0	720.5
7	280	345	254	93	136000	24	118	410.6	251.1	306.0	720.5
8	280	345	258	92	136000	24	117	423.3	255.0	306.0	714.4
9	280	345	258	92	135000	24	117	423.3	255.0	303.8	719.7
10	280	346	250	91	135000	24	118	405.5	247.1	303.8	725.8
11	281	346	269	92	135000	24	118	451.4	265.8	303.8	725.8
12	281	346	255	92	136000	24	118	415.7	252.0	306.0	720.5
13	280	345	256	94	136000	24	118	413.1	253.0	306.0	720.5
14	281	346	254	94	136000	24	117	408.0	251.1	306.0	714.4
15	281	346	258	94	136000	24	117	418.2	255.0	306.0	714.4
16	282	346	251	94	137000	24	118	400.4	248.1	308.3	715.2
17	281	347	249	92	135000	24	118	400.4	246.1	303.8	725.8
18	280	347	250	93	134000	24	118	400.4	247.1	301.5	731.2
19	281	347	260	93	134000	24	118	425.9	257.0	301.5	731.2
20	287	347	267	93	133000	24	118	443.7	263.8	299.3	726.7
21	290	347	251	93	132000	24	118	402.9	248.1	297.0	742.3
22	290	347	253	93	131000	24	118	408.0	250.1	294.8	748.0
23	291	347	250	93	131000	24	118	400.4	247.1	294.8	748.0
24	291	347	256	92	130000	24	118	418.2	253.0	292.5	753.7
25	290	347	260	92	132000	24	118	428.4	256.9	297.0	742.3
26	283	347	250	91	134000	24	119	405.5	247.1	301.5	737.4
27	280	347	260	91	134000	24	119	431.0	256.9	301.5	737.4
28	286	347	265	92	134000	24	119	441.2	261.8	301.5	737.4
29	285	347	264	92	133000	24	118	438.6	260.9	299.3	736.7
30	286	347	263	92	133000	24	119	436.1	259.9	299.3	743.0
AVERAGE	284	346	257	93	134367		118	419.1	253.9	302.3	728.6
TOTAL					96744000	720.0					