GL0486L.19

October 1,1986

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

SUBJECT: East Mesa Operations for September 1986

Dear Andy:

PLANT OPERATIONS HIGHLIGHTS: The plant had an on line percentage of 72.54 with gross generation of 5,698,000 KWHs and sales of 3,514,000 KWHs. Down time was contributed to a failure of the main generator stator windings, on September 22.

The generator stator is at a repair facility for a complete winding change and inspection. The estimated repair time for the stator is four weeks.

The main turbine rotating element and bearing housing were removed so that the new type seal and thrust bearing assembly which were installed during the last turbine rebuild can be inspected. A complete new rotating element and bearing housing will be installed.

WELL OPERATIONS HIGHLIGHTS: Average brine flow for the month was 1,350349 lb/hr (3,038 gpm).

Work has begun on production well 63-7. A cement plug is going to be installed at 4,085 feet and the well will be gun perforated from 4,056 up to 3,000 feet.

The pump in production well 48-7A had a total running time of 10,887 rotating hours. A new pump is scheduled to be ran into the well as soon as work is completed on 63-7.

Sincerely,

M.B. Pierce

MICHAEL B.PIERCE
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

MBP/jfb

GL04164-20

PLANT SEPT 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	1358333	348	166	252	152	24.0	79.7	61.0	66.0	129.4	14.5	300	139
2	1360333	348	166	252	153	24.0	77.7	59.7	67.0	129.6	14.5	300	139
3	1358333	348	166	252	153	24.0	77.0	59.7	68.7	129.4	14.5	300	136
4	1363333	348	166	252	149	24.0	78.3	61.0	71.7	129.8	14.4	300	141
5	1363333	348	166	238	150	24.0	78.7	60.7	72.0	137.5	13.6	300	141
6	1362000	348	166	252	149	24.0	78.7	61.0	70.7	129.7	14.5	300	141
7	1362333	348	166	252	149	24.0	79.0	61.7	72.3	129.7	14.4	300	141
8	1360000	348	168	252	146	24.0	81.0	63.3	75.7	129.5	14.4	300	143
9	1358667	348	167	252	150	24.0	79.7	62.0	64.3	129.4	14.4	300	139
10	1359667	347	162	252	165	24.0	72.3	54.3	62.0	129.5	14.2	300	151
11	1362667	348	163	266	165	24.0	73.3	54.7	66.0	122.9	15.0	300	153
12	1362333	348	164	266	163	24.0	74.7	55.7	67.0	122.9	15.1	300	152
13	1362000	348	162	280	166	24.0	72.7	53.7	63.0	116.7	15.7	300	150
14	1359667	348	160	266	169	24.0	70.3	52.7	62.7	122.7	14.8	300	150
15	1360667	348	161	266	171	24.0	70.0	52.7	61.0	122.8	14.9	300	150
16	1364333	348	162	266	172	24.0	69.3	51.3	62.7	123.1	14.9	300	149
17	1362000	348	169	280	171	24.0	70.3	52.7	63.0	116.7	16.3	300	150
18	1339667	348	169	266	160	24.0	70.3	52.0	63.3	120.9	15.9	300	151
19	1362667	348	168	266	172	24.0	68.0	50.0	59.0	122.9	15.4	300	149
20	1358667	348	167	280	175	24.0	66.0	48.0	59.0	116.5	16.2	300	148
21	1355667	348	167	280	177	24.0	66.3	47.7	60.3	116.2	16.2	300	149
22	1151000	348	167	210	137	18.3	67.0	48.5	59.0	100.3	18.8	300	149
23				0	0	0.0							
24				0	0	0.0							
25				0	0	0.0							
26				0	0	0.0							
27				0	0	0.0							
28				0	0	0.0							
29				0	0	0.0							
30				0	0	0.0							
31													
AVERAGE	1350349	348	165	190	117		73.7	55.6	65.6	124.0	15.1	300	134.0
TOTAL	705287022			5698	3514	522.3							

ON LINE PERCENTAGE = 72.54%
PEAK PERIOD AVERAGE = 5.20
MID PEAK AVERAGE = 4.53
OFF PEAK AVERAGE = 4.78

MEGAWATTS SEPT 86	PEAK PER DAY	MID PEAK PER DAY	OFF PEAK PER DAY	PEAK AVERAGE	MID PEAK AVERAGE	OFF PEAK AVERAGE	TOTAL PER DAY	AVERAGE PER HOUR
1			152	0.00	0.00	6.33	152	6.33
2	42	57	54	7.00	6.33	6.00	153	6.38
3	42	56	55	7.00	6.22	6.11	153	6.38
4	41	54	54	6.83	6.00	6.00	149	6.21
5	40	56	54	6.67	6.22	6.00	150	6.25
6			149	0.00	0.00	6.21	149	6.21
7			149	0.00	0.00	6.21	149	6.21
8	40	53	53	6.67	5.89	5.89	146	6.08
9	41	55	54	6.83	6.11	6.00	150	6.25
10	46	61	58	7.67	6.78	6.44	165	6.88
11	45	61	59	7.50	6.78	6.56	165	6.88
12	43	61	59	7.17	6.78	6.56	163	6.79
13			166	0.00	0.00	6.92	166	6.92
14			169	0.00	0.00	7.04	169	7.04
15	46	64	61	7.67	7.11	6.78	171	7.13
16	46	63	63	7.67	7.00	7.00	172	7.17
17	46	63	62	7.67	7.00	6.89	171	7.13
18	44	57	59	7.33	6.33	6.56	160	6.67
19	46	64	62	7.67	7.11	6.89	172	7.17
20			175	0.00	0.00	7.29	175	7.29
21			177	0.00	0.00	7.38	177	7.38
22	47	32	58	7.83	3.56	6.44	137	5.71
23	0	0	0	0.00	0.00	0.00	0	0.00
24	0	0	0	0.00	0.00	0.00	0	0.00
25	0	0	0	0.00	0.00	0.00	0	0.00
26	0	0	0	0.00	0.00	0.00	0	0.00
27			0	0.00	0.00	0.00	0	0.00
28			0	0.00	0.00	0.00	0	0.00
29	0	0	0	0.00	0.00	0.00	0	0.00
30	0	0	0	0.00	0.00	0.00	0	0.00
31				0.00	0.00	0.00	0	0.00
TOTAL	655	857	2002				3514	
AVERAGE	31.2	40.8	66.7	5.20	4.53	4.78	117.1	4.88

PEAK EARNINGS =$214,553.20

MID PEAK = $59,823.70

OFF PEAK =$111,706.00

BONUS PAYMENT = $1,348.25

TOTAL $387,431.15

POWER DATE SEPT 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	12.6	25.2	37.8	2.8	24.5	252.0	0.0	152.0	0.0
2	12.6	25.2	33.6	4.2	21.0	252.0	0.0	153.0	0.0
3	14.0	21.0	33.6	4.2	24.5	252.0	0.0	153.0	0.0
4	14.0	25.2	29.4	2.8	24.5	252.0	0.0	149.0	0.0
5	14.0	25.2	37.8	2.8	21.0	238.0	0.0	150.0	0.0
6	15.4	21.0	33.6	2.8	24.5	252.0	0.0	149.0	0.0
7	12.6	25.2	33.6	4.2	24.5	252.0	0.0	149.0	0.0
8	14.0	25.2	33.6	2.8	21.0	252.0	0.0	146.0	0.0
9	14.0	25.2	33.6	4.2	24.5	252.0	0.0	150.0	0.0
10	14.0	25.2	33.6	2.8	24.5	252.0	0.0	165.0	0.0
11	14.0	21.0	33.6	2.8	21.0	266.0	0.0	165.0	0.0
12	14.0	25.2	33.6	4.2	24.5	266.0	0.0	163.0	0.0
13	14.0	25.2	33.6	2.8	24.5	280.0	0.0	166.0	0.0
14	15.4	25.2	33.6	4.2	24.5	266.0	0.0	169.0	0.0
15	12.6	25.2	37.8	2.8	21.0	266.0	0.0	171.0	0.0
16	12.6	25.2	33.6	2.8	24.5	266.0	0.0	172.0	0.0
17	14.0	25.2	33.6	2.8	24.5	280.0	0.0	171.0	0.0
18	14.0	21.0	33.6	4.2	21.0	266.0	0.0	160.0	0.0
19	14.0	25.2	33.6	2.8	24.5	266.0	0.0	172.0	0.0
20	16.8	25.2	33.6	2.8	24.5	280.0	0.0	175.0	0.0
21	12.6	25.2	33.6	2.8	24.5	280.0	0.0	177.0	0.0
22	9.8	21.0	33.6	4.2	17.5	210.0	17.0	137.0	3.5
23	9.8	12.6	16.8	1.4			46.0		3.5
24				1.4			1.0		3.5
25				1.4			1.0		3.5
26				1.4			1.0		3.5
27				0.0			0.0		0.0
28				1.4			1.0		0.0
29				1.4			1.0		0.0
30				1.4			1.0		0.0
31									
AVERAGE	13.5	23.7	33.2	2.8	23.2	259.0		159.7	
TOTAL	310.8	546.0	764.4	82.6	511.0	5698.0	69.0	3514.0	

METER DIFFERENCE = 38.2

INJECTION WELLS SEPT 86	46-7B #1 PSIG	WELL 46-7B #1 FLOW	46-7 #3 PSIG	WELL 46-7 #3 FLOW	84-7 #4 PSIG	WELL 84-7 #4 FLOW	TOTAL BRINE FLOW
1	472	950000	477	96000	457	354000	1400000
2	472	960000	425	96000	456	354000	1410000
3	472	960000	475	96000	455	354000	1410000
4	474	960000	477	108000	457	354000	1422000
5	474	960000	478	102000	459	354000	1416000
6	475	960000	480	102000	460	354000	1416000
7	476	960000	480	102000	460	354000	1416000
8	475	960000	479	102000	459	360000	1422000
9	474	960000	478	102000	446	360000	1422000
10	472	960000	474	102000	453	354000	1416000
11	470	960000	472	102000	452	354000	1416000
12	470	960000	472	102000	452	360000	1422000
13	468	960000	470	102000	451	354000	1416000
14	466	950000	470	102000	450	354000	1406000
15	465	960000	469	102000	448	354000	1416000
16	467	960000	470	102000	450	360000	1422000
17	467	960000	471	102000	450	360000	1422000
18	468	970000	473	108000	453	366000	1444000
19	465	970000	472	102000	450	360000	1432000
20	462	950000	470	102000	448	360000	1412000
21	463	950000	469	102000	448	360000	1412000
22	461	950000	470	96000	450	360000	1406000
23							0
24							0
25							0
26							0
27							0
28							0
29							0
30							0
31							0
AVERAGE	469	958636	471	101455	453	357000	1417071
TOTAL		506160000		53568000		188476000	748224000

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	PRIME
SEPT 86	44-7A	44-7	44-7B	48-7A	48-7	88-7	63-7	61-7	81-7	83-7	FLOW
1	411000		155000	220000		198000		144000	128000	129000	1385000
2	413000		157000	220000		198000		145000	128000	128000	1389000
3	414000		158000	220000		198000		145000	128000	128000	1391000
4	410000		158000	220000		197000		145000	127000	128000	1385000
5	410000		158000	220000		198000		144000	128000	129000	1387000
6	412000		162000	220000		195000		145000	128000	129000	1391000
7	408000		162000	220000		198000		145000	128000	129000	1390000
8	409000		162000	220000		198000		145000	127000	129000	1390000
9	409000		163000	220000		197000		145000	128000	129000	1391000
10	410000		163000	220000		201000		145000	128000	129000	1396000
11	411000		163000	220000		198000		145000	128000	129000	1394000
12	412000		165000	220000		197000		145000	128000	128000	1395000
13	411000		163000	220000		198000		145000	128000	129000	1394000
14	409000		166000	220000		199000		145000	128000	129000	1396000
15	410000		162000	220000		198000		145000	128000	128000	1391000
16	413000		163000	220000		200000		145000	127000	129000	1397000
17	410000		161000	220000		197000		145000	127000	129000	1389000
18	413000		165000	220000		217000		144000	129000	129000	1417000
19	408000		165000	220000		200000		145000	129000	129000	1396000
20	408000		168000	220000		200000		145000	128000	129000	1398000
21	406000		164000	220000		200000		145000	128000	129000	1392000
22	408000		162000	220000		199000		145000	128000	129000	1391000
23											0
24											0
25											0
26											0
27											0
28											0
29											0
30											0
31											0
AVERAGE	410227		162045	220000		199136		144864	127909	128773	1392965

WELL NUMBER) SEPTEMBER 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	287	335	285	68	411000	24	265	553.4	281.0	924.8	535.4
2	285	335	285	66	413000	24	265	558.5	281.0	929.3	532.9
3	286	335	284	66	414000	24	266	555.9	280.0	931.5	533.9
4	287	335	284	66	410000	24	264	555.9	280.0	922.5	534.7
5	288	335	288	66	410000	24	264	566.1	283.9	922.5	534.7
6	290	335	288	65	412000	24	264	568.7	283.9	927.0	532.1
7	290	335	288	66	408000	24	264	566.1	283.9	918.0	537.7
8	289	335	287	66	409000	24	264	563.6	283.0	920.3	536.0
9	288	335	287	66	409000	24	264	563.6	283.0	920.3	536.0
10	286	335	286	66	410000	24	267	561.0	282.0	922.5	540.8
11	285	335	285	66	411000	24	268	558.5	281.0	924.8	541.5
12	284	335	285	66	412000	24	268	558.5	281.0	927.0	540.2
13	284	335	283	65	411000	24	269	555.9	279.0	924.8	543.5
14	284	335	283	66	409000	24	269	553.4	279.0	920.3	546.2
15	281	335	283	65	410000	24	268	555.9	279.0	922.5	542.8
16	278	335	283	65	413000	24	268	555.9	279.0	929.3	538.9
17	280	335	283	65	410000	24	268	555.9	279.0	922.5	542.8
18	283	335	282	64	413000	24	268	555.9	279.0	929.3	538.9
19	285	335	282	64	408000	24	268	555.9	279.0	918.0	545.5
20	283	335	283	64	408000	24	267	558.5	279.0	918.0	543.4
21	284	335	283	64	406000	24	268	558.5	279.0	913.5	548.1
22	283	335	283	63	408000	24	267	561.0	279.0	918.0	543.4
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	285	335	285	65	410227		267	559	281	923	539
TOTAL					216600000	528					

WELL NUMBER 3 SEPTEMBER 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	289	353	263	82	155000	24	105	461.6	259.7	348.8	562.5
2	287	353	270	82	157000	24	106	479.4	266.6	353.3	560.7
3	287	353	273	82	158000	24	106	487.1	269.5	355.5	557.1
4	289	353	271	82	158000	24	106	482.0	267.6	355.5	557.1
5	290	353	265	81	158000	24	106	469.2	261.6	355.5	557.1
6	290	353	265	80	162000	24	106	471.8	261.6	364.5	543.3
7	290	353	265	79	162000	24	106	474.3	261.6	364.5	543.3
8	289	353	267	79	162000	24	106	479.4	263.6	364.5	543.3
9	289	353	266	78	163000	24	106	479.4	262.6	366.8	540.0
10	288	353	268	78	163000	24	106	484.5	264.5	366.8	540.0
11	286	353	264	78	163000	24	107	474.3	260.6	366.8	545.1
12	286	353	266	77	165000	24	107	482.0	262.6	371.3	538.5
13	286	353	270	77	163000	24	107	492.2	266.5	366.8	545.1
14	285	353	270	77	166000	24	107	492.2	266.5	373.5	533.3
15	286	353	270	75	162000	24	107	497.3	266.4	364.5	549.5
16	286	353	262	75	163000	24	107	476.9	258.6	366.8	545.1
17	285	353	264	75	161000	24	108	482.0	260.6	362.3	557.0
18	284	353	272	74	165000	24	108	504.9	268.4	371.3	543.5
19	285	353	265	74	165000	24	108	487.1	261.5	371.3	543.5
20	284	353	262	74	168000	24	108	479.4	258.6	378.0	533.3
21	283	353	250	73	164000	24	107	451.4	246.8	369.0	541.9
22	284	353	265	73	162000	24	107	489.6	261.5	364.5	549.5
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	287	353	266	78	162945		107	481	263	365	547
TOTAL					85560000	528					

WELL NUMBER 4 SEPTEMBER 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	344	348	243	75	220000	24	289	428.4	239.9	495.0	1090.8
2	346	348	245	75	220000	24	290	433.5	241.9	495.0	1094.6
3	346	348	247	74	220000	24	291	441.2	243.8	495.0	1098.4
4	344	348	244	74	220000	24	289	433.5	240.9	495.0	1090.8
5	345	348	240	74	220000	24	290	423.3	237.0	495.0	1094.6
6	345	348	240	74	220000	24	290	423.3	237.0	495.0	1094.6
7	340	348	240	73	220000	24	289	425.9	237.0	495.0	1090.8
8	341	348	240	73	220000	24	289	425.9	237.0	495.0	1090.8
9	341	348	240	73	220000	24	290	425.9	237.0	495.0	1094.6
10	344	348	241	73	220000	24	290	428.4	237.9	495.0	1094.6
11	344	348	242	73	220000	24	289	431.0	238.9	495.0	1090.8
12	342	348	241	73	220000	24	290	428.4	237.9	495.0	1094.6
13	344	348	242	74	220000	24	291	428.4	238.9	495.0	1098.4
14	343	348	242	73	220000	24	290	431.0	238.9	495.0	1094.6
15	344	348	242	73	220000	24	291	431.0	238.9	495.0	1098.4
16	341	348	240	72	220000	24	290	428.4	236.9	495.0	1094.6
17	342	348	242	71	220000	24	293	436.1	238.9	495.0	1105.9
18	342	348	242	71	220000	24	292	436.1	238.9	495.0	1102.7
19	340	348	240	72	220000	24	294	428.4	236.9	495.0	1109.7
20	344	348	240	72	220000	24	294	428.4	236.9	495.0	1109.7
21	347	348	247	70	220000	24	290	451.4	243.8	495.0	1094.6
22	346	348	249	70	220000	24	289	456.5	245.7	495.0	1090.8
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	343	348	242	73	220000		290	432	239	495	1095
TOTAL					116160000	528					

WELL NUMBER 6 SEPTEMBER 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	344	350	240	96	198000	24	195	367.2	237.4	445.5	817.8
2	343	350	239	96	198000	24	196	364.7	236.4	445.5	822.0
3	342	350	238	96	198000	24	195	362.1	235.4	445.5	817.8
4	343	350	239	96	197000	24	195	364.7	236.4	443.3	822.0
5	343	350	239	96	198000	24	196	364.7	236.4	445.5	822.0
6	345	350	238	96	195000	24	196	362.1	235.4	438.8	834.7
7	345	350	239	96	198000	24	196	364.7	236.4	445.5	822.0
8	344	350	239	96	198000	24	196	364.7	236.4	445.5	822.0
9	344	350	239	96	197000	24	196	364.7	236.4	443.3	826.2
10	342	350	239	95	201000	24	196	367.2	236.4	452.3	809.7
11	343	350	238	95	198000	24	196	364.7	235.4	445.5	822.0
12	343	350	239	96	197000	24	196	364.7	236.4	443.3	826.2
13	342	350	239	95	198000	24	196	367.2	236.4	445.5	822.0
14	342	350	239	95	199000	24	194	367.2	236.4	447.8	809.5
15	342	350	239	94	198000	24	195	369.8	236.4	445.5	817.8
16	343	350	238	94	200000	24	194	367.2	235.4	450.0	805.5
17	343	350	238	95	197000	24	195	364.7	235.4	443.3	822.0
18	341	350	239	94	217000	19	273	369.8	236.4	488.3	1044.7
19	343	350	240	93	200000	24	269	374.9	237.3	450.0	1116.9
20	340	350	240	95	200000	24	270	369.8	237.4	450.0	1121.9
21	342	350	240	95	200000	24	270	369.8	237.4	450.0	1121.9
22	344	350	242	95	199000	24	270	374.9	239.3	447.8	1126.7
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	343	350	239	95	199136		213	367	236	448	885
TOTAL					10414B318	523					

WELL NUMBER B SEPTEMBER 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	355	283	20	144000	24	115	670.7	278.2	324.0	663.2
2	290	355	290	20	145000	24	115	688.5	285.1	326.3	658.6
3	290	355	298	26	145000	24	115	693.6	293.0	326.3	658.6
4	290	355	286	20	145000	24	115	678.3	281.1	326.3	658.6
5	290	355	290	19	144000	24	115	691.1	285.1	324.0	663.2
6	290	355	295	18	145000	24	115	706.4	289.9	326.3	658.6
7	290	355	291	20	145000	24	115	691.1	286.1	326.3	658.6
8	291	355	310	21	145000	24	115	737.0	304.7	326.3	658.6
9	290	355	295	18	145000	24	115	706.4	289.9	326.3	658.6
10	288	355	283	16	145000	24	115	680.9	278.1	326.3	658.6
11	287	355	300	16	145000	24	115	724.2	294.8	326.3	658.6
12	286	355	330	16	145000	24	116	800.7	324.3	326.3	664.3
13	286	355	281	15	145000	24	116	678.3	276.1	326.3	664.3
14	286	355	310	14	145000	24	116	754.8	304.6	326.3	664.3
15	286	355	340	11	145000	24	116	839.0	334.0	326.3	664.3
16	286	355	336	11	145000	24	116	828.8	330.1	326.3	664.3
17	285	355	403	10	145000	24	116	1002.2	395.8	326.3	664.3
18	288	355	373	10	144000	24	116	925.7	366.4	324.0	668.9
19	286	355	388	5	145000	24	116	976.7	381.0	326.3	664.3
20	284	355	357	5	145000	24	116	897.6	350.6	326.3	664.3
21	286	355	338	5	145000	24	115	849.2	331.9	326.3	658.6
22	285	355	365	4	145000	24	115	920.6	358.4	326.3	658.6
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	288	355	320	15	144864		115	779	315	326	662
TOTAL					76488000	528					

WELL NUMBER 9 SEPTEMBER 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	331	349	239	37	128000	24	129	515.1	235.3	288.0	836.9
2	332	349	238	35	128000	24	130	517.7	234.3	288.0	843.4
3	333	349	240	37	128000	24	129	517.7	236.3	288.0	836.9
4	333	349	240	35	127000	24	130	522.8	236.3	285.8	850.0
5	333	349	240	35	128000	24	130	522.8	236.3	288.0	843.4
6	335	349	240	35	128000	24	129	522.8	236.3	288.0	836.9
7	335	349	240	35	128000	24	130	522.8	236.3	288.0	843.4
8	334	349	240	38	127000	24	129	515.1	236.3	285.8	843.5
9	333	349	240	38	128000	24	129	515.1	236.3	288.0	836.9
10	331	349	240	40	128000	24	129	510.0	236.4	288.0	836.9
11	333	349	240	35	128000	24	129	522.8	236.3	288.0	836.9
12	330	349	240	35	128000	24	129	522.8	236.3	288.0	836.9
13	331	349	240	40	128000	24	129	510.0	236.4	288.0	836.9
14	331	349	239	40	128000	24	129	507.5	235.4	288.0	836.9
15	331	349	240	37	128000	24	129	517.7	236.3	288.0	836.9
16	330	349	239	34	127000	24	129	522.8	235.3	285.8	843.5
17	330	349	240	39	127000	24	129	512.6	236.3	285.8	843.5
18	333	349	240	39	129000	24	129	512.6	236.3	290.3	830.4
19	330	349	240	40	129000	24	129	510.0	236.4	290.3	830.4
20	329	349	238	42	128000	24	129	499.8	234.4	288.0	836.9
21	330	349	238	35	128000	24	129	517.7	234.3	288.0	836.9
22	329	349	237	38	128000	24	128	507.5	233.4	288.0	830.4
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	332	349	239	37	127909		129	516	236	288	838
TOTAL					67536000	528					

WELL NUMBER 10 SEPTEMBER 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	280	347	280	90	128000	24	120	484.5	276.5	288.0	778.5
2	282	347	276	92	129000	24	120	469.2	272.6	290.3	772.5
3	281	347	281	90	128000	24	120	487.1	277.5	288.0	778.5
4	282	347	275	91	128000	24	120	469.2	271.6	288.0	778.5
5	282	347	260	92	129000	24	120	428.4	256.9	290.3	772.5
6	285	347	265	92	129000	24	120	441.2	261.8	290.3	772.5
7	285	347	269	95	129000	24	120	443.7	265.8	290.3	772.5
8	283	347	272	93	129000	24	120	456.5	268.7	290.3	772.5
9	282	347	274	92	129000	24	120	464.1	270.7	290.3	772.5
10	280	347	276	92	129000	24	120	469.2	272.6	290.3	772.5
11	282	347	279	92	129000	24	120	476.9	275.6	290.3	772.5
12	283	347	279	94	128000	24	120	471.8	275.6	288.0	778.5
13	284	347	277	93	129000	24	120	469.2	273.6	290.3	772.5
14	283	347	275	93	129000	24	120	464.1	271.7	290.3	772.5
15	282	347	262	93	128000	24	120	431.0	258.9	288.0	778.5
16	279	347	270	95	129000	24	121	446.3	266.8	290.3	778.9
17	280	347	276	95	129000	24	121	461.6	272.7	290.3	778.9
18	283	347	270	94	129000	24	121	448.8	266.8	290.3	778.9
19	280	347	265	95	129000	24	121	433.5	261.9	290.3	778.9
20	278	347	272	95	129000	24	121	451.4	268.8	290.3	778.9
21	280	347	279	92	129000	24	120	476.9	275.6	290.3	772.5
22	279	347	280	93	129000	24	120	476.9	276.6	290.3	772.5
23											
24											
25											
26											
27											
28											
29											
30											
31											
AVERAGE	282	347	273	93	128773		120	460	270	290	775
TOTAL					67992000	528					