APPENDIX P

AQUIFER TEST LOGS

380
- 82
238

AQUIFER TEST AFTER
LAYNE SWITCHED FROM CHART RECORDER
TO MANUAL READINGS

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-21-01

JOB NO. 5567
PAGE 1

SERVICE CENTER

CUSTOMER San Bernardino Well #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12 ORIFICE DIA STATIC LEVEL 166. BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Electric ~~ENGINE~~ R.P.M.	S.C.	REMARKS
7:00	A.m. 0	3405	238.0		1775		
7:15	0	3406	238.0		1775		
7:30	0	3406	238.0		1775		
7:45	0	3406	238.0		1775		
8:00	0	3408	237.9		1775		
8:15	0	3407	238.0		1775		
8:30	0	3406	238.0		1775		
8:45	0	3408	238.0		1775		
9:00	0	3406	238.0		1775		
9:15	0	3404	237.9		1775		
[illegible]30	0	3400	238.0		1775		
9:45	0	3400	238.0		1775		
10:00	0	3400	238.0		1775		
10:15	0	3400	238.0		1775		
10:30	0	3400	238.0		1775		
10:45	0	3401	238.0		1775		
11:00	0	3400	238.0		1775		
11:15	0	3400	238.0		1775		
11:30	0	3398	238.0		1775		
11:45	0	3400	237.8		1775		
12:00	P.m. 0	3400	237.9		1775		
12:15	0	3400	237.5		1775		
12:30	0	3397	238.0		1775		
12:45	0	3400	237.4		1775		
1:00	0	3400	238.0		1775		
1:15	0	3400	237.8		1775		
1:30	0	3400	237.7		1775		
1:45	0	3400	237.6		1775		
2:00	0	3400	237.0		1775		
2:15	0	3400	236.5		1775		
2:30	0	3397	236.7		1775		
2:45	0	3400	237.8		1775		
3:00	0	3403	237.0		1775		
3:15	0	3400	235.8		1775		
3:30	0	3400	237.1		1775		
[illegible]:45	0	3400	236.9		1775		
[illegible]:00	0	3400	236.3		1775		
4:15	0	3400	236.0		1775		
4:30	0	3400	236.0		1775		

Jim Slack

5:00, 44,228,380 TOTALIZER

319.7
-82
237.7

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE 2

DATE 5-21-01

SERVICE CENTER

CUSTOMER SAN BERNARDINO well # 16

HOURS PUMP DAY
TOTAL HOURS
TESTED BY James BARCANO

DISCH PIPE 16 ORIFICE DIA STATIC LEVEL 166 BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Elect. ENGINE R.P.M.	S.C.	REMARKS
4:45 pm	0	3400	237.7		[illegible]		
5:00	0	3400			[illegible]		
5:15	0	3400			1775		
5:30	0	3405			1775		
5:45	0	3410			1775		
6:00	0	3410			1775		
6:15	0	3405			1775		
6:30	0	3420			1775		
6:45	0	3405			1775		
7:00	0	3405			1775		
[illegible]	0	3410			1775		
7:30	0	3400	237.7		1775		
7:45	0	3405	237.6		1775		
8:00	0	3405	237.6		1775		
8:15	0	3410	237.5		1775		
8:30	0	3420	237.6		1775		
8:45	0	3405	237.7		1775		
9:00	0	3410	237.6		1775		
9:15	0	3420	237.7		1775		
9:30	0	3405	237.7		1775		
9:45	0	3410	237.8		1775		
10:00	0	3405	237.7		1775		
10:15	0	3405	237.7		1775		
10:30	0	3415	237.6		1775		
10:45	0	3410	237.7		1775		
11:00	0	3415	237.8		1775		
11:15	0	3425	237.7		1775		
11:30	0	3420	237.8		1775		
11:45	0	3425	237.7		1775		
12:00	mid night 0	3410	237.7		1775		

12 am

4564690

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-22-01 JOB NO. 5567

PAGE 3

SERVICE CENTER

CUSTOMER San Bernardino Well #12 HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.9 BOWL USED

TIME	P.F.M	G.P.M.	PMPING LEVEL	DRAW DOWN	~~ENGINE~~ ELECTRIC R.P.M.	S.C.	REMARKS
4:15	AM 0	3400	237.7		1775		
4:30	0	3404	237.7		1775		
4:45	0	3400	237.7		1775		
5:00	0	3400	237.7		1775		
5:15	0	3405	237.7		1775		
5:30	0	3405	237.8		1775		
5:45	0	3400	237.8		1775		
6:00	0	3400	237.8		1775		
6:15	0	3400	237.8		1775		
6:30	0	3400	237.8		1775		
6:45	0	3400	237.8		1775		
7:00	0	3400	237.8		1775		
7:15	0	3400	237.8		1775		
7:30	0	3400	237.8		1775		
7:45	0	3400	237.8		1775		
8:00	0	3400	237.8		1775		
8:15	0	3400	237.8		1775		
8:30	0	3400	237.8		1775		
8:45	0	3400	237.8		1775		
9:00	0	3400	237.8		1775		
9:15	0	3400	237.8		1775		
9:30	0	3400	237.8		1775		
9:45	0	3405	237.8		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-22-81

JOB NO. #5567
PAGE 4

SERVICE CENTER

CUSTOMER San Bernardino #1 Well 112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	~~ENGINE~~ ELECTRIC R.P.M.	S.C.	REMARKS
[illegible]	0	3400	237.8		1775		
[illegible]	0	3400	237.8		1775		
[illegible]	0	3410	237.8		1775		
[illegible]	0	3400	237.8		1775		
	0	3412	237.9		1775		
[illegible]	0	3410	237.9		[illegible]		
[illegible]	0	3400	237.8		1775		
11:45	0	3410	237.8		1775		
12:00	P.M. 0	3405	237.8		1775		

J. S. Slack 12:00 P.M.

TOTALIZER - 48108920

-82

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-22-01

JOB NO. 5567

PAGE 3

SERVICE CENTER

CUSTOMER SAN Bernardino Well #112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY JAMES BARNARD

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 1600 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ELECTRIC ~~ENGINE~~ R.P.M.	S.C.	REMARKS
12:15 am	0	3405	237.8		1775		
12:30		3390	237.8				
12:45		3400	237.7				
1:00		3405	237.7				
1:15		3400	237.6				
1:30		3410	237.6				
1:45		3405	237.5				
2:00		3405	237.7				
2:15		3405	237.6				
2:30		3410	237.5				
2:45		3410	237.5				
3:00		3410	237.6				
3:15		3415	237.5				
3:30		3405	237.6				
3:45		3400	237.5				
4:00		3405	237.5				
4:15		3415	237.5				
4:30		3410	237.6				
4:45		3405	237.5				
5:00		3400	237.4				
5:15		3415	237.5				
5:30		3410	237.5				
5:45		3415	237.6				
6:00		3410	237.4				
6:15		3410	237.5				
6:30		3410	237.6				
6:45		3415	237.7				
7:00		3410	237.7				
7:15		3410	237.6				
7:30		3400	237.5				
7:45		3405	237.6				
8:00		3410	237.5				
8:15		3410	237.6				
8:30		3405	237.5				
8:45		3400	237.5				
9:00		3400	237.6				
9:15		3405	237.6				
9:30		3400	237.5				
9:45	0	3400	237.5		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-22-01

PAGE 6

SERVICE CENTER

CUSTOMER: San Bernardino Well # 112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Baldaro

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00 pm	0	3410	237.4		1775		
10:15	0	3405	237.3				
10:30	0	3400	237.4				
10:45	0	3415	237.5				
11:00	0	3415	237.5				
11:15	0	3410	237.5				
11:30	0	3410	237.4				
11:45	0	3405	237.5				
12:00 am midnight	0	3405	237.5		1775		

12 AM
mid-night total = 5056920

(82)

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-23-01

JOB NO. 5567
PAGE 7

SERVICE CENTER

CUSTOMER SAN BERNARDINO #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166-0 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	Electric [redacted] R.F.M.	S.C.	REMARKS
12:15	A.M. 0	3415	237.7		1775		
12:30		3410	237.7				
12:45		3410	237.6				
1:00		3410	237.6				
1:15		3405	237.6				
1:30		3400	237.6				
1:45		3400	237.6				
2:00		3400	237.6				
2:15		3410	237.6				
2:30		3400	237.6				
:45		3400	237.6				
:00		3400	237.6				
:15		3400	237.6				
3:30		3410	237.5				
3:45		3400	237.5				
4:00		3400	237.6				
4:15		3405	237.5				
4:30		3400	237.6				
4:45		3408	237.6				
5:00		3400	237.6				
5:15		3400	237.6				
5:30		3410	237.6				
5:45		3400	237.7				
6:00		3410	237.8				
6:15		3410	237.7				
6:30		3410	237.6				
6:45		3400	237.7				
7:00		3410	237.7				
7:15		3410	237.7				
7:30		3410	237.6				
7:45		3400	237.7				
8:00		3400	237.7				
8:15		3410	237.7				
8:30		3410	237.8				
8:45		3410	237.7				
:00		3410	237.8				
:15		3410	237.7				
9:30		3410	237.7				
9:45	0	3410	237.6		1775		

-(82)

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. #5567
PAGE 8

DATE 5-23-01

SERVICE CENTER

CUSTOMER San Bernardino #Well 112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	~~ENGINE~~ Electric R.P.M.	S.C.	REMARKS
10:00	0	3415	237.7		1775		
10:15		3415	237.7				
10:30		3410	237.7				
10:45		3413	237.8				
11:00		3405	237.8				
11:15		3410	237.7				
11:30		3410	237.7				
11:45		3405	237.7				
12:00	Noon	3410	237.7				
	0				1775		

Jim Slack TOTAL - 53,006,650

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-23-01

PAGE 1

SERVICE CENTER

CUSTOMER San Bernardino well # 112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Barcard

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	P.F.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15 PM	0	3410	237.6		1775		
12:30		3405	237.7				
12:45		3405	237.7				
1:00		3405	237.6				
1:15		3410	237.6				
1:30		3415	237.5				
1:45		3410	237.5				
2:00		3405	237.5				
2:15		3405	237.5				
2:30		3400	237.7				
2:45		3405	237.7				
3:00		3400	237.7				
3:15		3400	237.7				
3:30		3410	237.7				
3:45		3410	237.8				
4:00		3415	237.8				
4:15		3410	237.8				
4:30		3410	237.7				
4:45		3405	237.6				
5:00		3405	237.6				
5:15		3405	237.6				
5:30		3410	237.7				
5:45		3405	237.7				
6:00		3405	237.7				
6:15		3405	237.6				
6:30		3400	237.7				
6:45		3400	237.7				
7:00		3405	237.7				
7:15		3405	237.7				
7:30		3405	237.7				
7:45		3405	237.6				
8:00		3405	237.6				
8:15		3410	237.5				
8:30		3415	237.5				
8:45		3415	237.5				
9:00		3405	237.7				
9:15		3410	237.7				
9:30		3420	237.8				
9:45	0	3420	237.8		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE 10

DATE 5-23-01

SERVICE CENTER

CUSTOMER SAN BERNARDINO Well # 112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY JAMES BARDARO

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00 pm	0	3415	237.8		1775		
10:15	0	3415	237.8		1775		
10:30	0	3415	237.7		1775		
10:45	0	3410	237.7		1775		
11:00	0	3410	237.7		1775		
11:15	0	3410	237.7		1775		
11:30	0	3410	237.7		1775		
11:45	0	3410	237.8		1775		
12:00 am	0	3410	237.8				

12 am total - 55496300

(-82)

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-24-01 JOB NO. 5567

PAGE 11

SERVICE CENTER

CUSTOMER: SAN Bernardino Well #112 HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ELECTRIC ~~ENGINE~~ R.P.M.	S.C.	REMARKS
12:15	A.M.	3410	237.8		1775		
12:30		3410	237.9				
12:45		3400	237.9				
1:00		3410	237.9				
1:15		3410	237.9				
1:30		3400	237.9				
1:45		3400	237.9				
2:00		3400	237.9				
2:15		3400	237.9				
2:30		3400	237.9				
2:45		3400	238.0				
3:00		3400	238.0				
3:15		3410	238.0				
3:30		3400	238.0				
3:45		3400	238.0				
4:00		3400	238.0				
4:15		3400	238.0				
4:30		3410	238.0				
4:45		3410	238.0				
5:00		3400	238.0				
5:15		3400	238.0				
5:30		3405	237.9				
5:45		3406	238.0				
6:00		3400	238.1				
6:15		3410	238.1				
6:30		3410	238.1				
6:45		3410	238.0				
7:00		3410	238.1				
7:15		3400	238.1				
7:30		3405	238.1				
7:45		3400	238.0				
8:00		3400	238.1				
8:15		3400	238.1				
8:30		3400	238.1				
8:45		3400	238.1				
9:00		3400	238.1				
9:15		3400	238.1				
9:30		3400	238.1				
9:45	P.M.	3400	238.1		1775		

-82

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-24-01

PAGE 12

SERVICE CENTER

CUSTOMER SAN Bernardino Ickell #12

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim Scott

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	Electric R.P.M.	S.C.	REMARKS
10:00	∞	3400	238.0		1775		
10:15		3410	238.2				
10:30		3400	238.2				
10:45		3400	238.2				
11:00		3410	238.2				
11:15		3410	238.3				
11:30		3400	238.2				
11:45		3400	238.2				
12:00	NOW ∞	3400	238.1		1775		

TOTAL - 57939290

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-24-01 PAGE 13

SERVICE CENTER

CUSTOMER: San Bernardino well #112 HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Barcarz

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166-0 BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Electric Motor ~~ENGINE~~ R.P.M.	S.C.	REMARKS
12:15 pm	0	3410	238		1775		
12:30		3410	238				
12:45		3410	238.1				
1:00		3405	238				
1:15		3405	238				
1:30		3405	238				
1:45		3405	238.1				
2:00		3405	238				
2:15		3400	238				
2:30		3405	238				
2:45		3410	238				
3:00		3410	238				
:15		3410	238				
3:30		3405	238				
3:45		3405	238				
4:00		3405	238				
4:15		3405	238.1				
4:30		3405	238				
4:45		3410	238				
5:00		3400	238.1				
5:15		3405	238.1				
5:30		3405	238				
5:45		3405	238				
6:00		3405	238				
6:15		3405	238				
6:30		3405	238				
6:45		3410	238				
7:00		3410	238				
7:15		3405	238				
7:30		3405	238				
7:45		3405	238				
8:00		3405	238				
8:15		3410	238.1				
8:30		3410	238				
8:45		3405	238.1				
9:00		3405	238.1				
9:15		3405	238.1				
:30		3405	238.1				
9:45	0	3410	238.2		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-24-01

PAGE 14

SERVICE CENTER

CUSTOMER: SAN BERNARDINO well #112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Barbaro

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00PM	0	3405	238.1		1775		
10:15	0	3410	238.2		1775		
10:30	0	3410	238.2		1775		
10:45	0	3415	238.2		1775		
11:00	0	3420	238.2		1775		
11:15	0	3415	238.2		1775		
11:30	0	3415	238.2		1775		
11:45	0	3410	238.3		1775		
12:00Am	0	3416	238.3		1775		

12Am Total = 603 92830

-82

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-25-01 JOB NO. 5567 PAGE 13

SERVICE CENTER

CUSTOMER: San Bernardino Well #112 HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 1660' BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Electric F.P.M	S.C.	REMARKS
12:15	A.M. Ø	3410	238.3		1773		
12:30		3400	238.3				
12:45		3400	238.3				
1:00		3400	238.2				
1:15		3410	238.3				
1:30		3400	238.3				
1:45		3410	238.2				
2:00		3410	238.2				
2:15		3405	238.2				
2:30		3415	238.2				
:45		3410	238.2				
:00		3410	238.2				
3:15		3410	238.2				
3:30		3410	238.3				
3:45		3410	238.3				
4:00		3415	238.3				
4:15		3415	238.3				
4:30		3400	238.2				
4:45		3410	238.2				
5:00		3410	238.2				
5:15		3415	238.2				
5:30		3410	238.3				
5:45		3406	238.3				
6:00		3400	238.4				
6:15		3405	238.3				
6:30		3410	238.3				
6:45		3415	238.3				
7:00		3410	238.3				
7:15		3415	238.3				
7:30		3400	238.3				
7:45		3420	238.3				
8:00		3400	238.3				
8:15		3415	238.3				
8:30		3400	238.3				
8:45		3410	238.3				
9:00		3400	238.3				
9:15		3410	238.3				
9:30		3400	238.3				
9:45	Ø	3410	238.3		1775		

-82

Fri.

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE 16

DATE 5-25-01

SERVICE CENTER

CUSTOMER San Bernardino Well #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ELECTRIC ~~ENGINE~~ R.P.M.	S.C.	REMARKS
10:00	0	3400	238.3		1775		
10:15		3400	238.3				
10:30		3400	238.4				
10:45		3400	238.4				
11:00		3400	238.4				
11:15		3400	238.4				
11:30		3400	238.4				
11:45		3420	238.4				
12:00	Noon 0	3410	238.4		1775		

Noon
TOTAL = 62850170

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-25-01

PAGE 17

SERVICE CENTER

CUSTOMER: SAN BERNARDINO - WELL # 12

HOURS PUMP DAY

TOTAL HOURS

TESTED BY JAMES PARDARO

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	0	3405	238.4		1775		
12:30		3410	238.4				
12:45		3410	238.4				
1:00		3410	238.4				
1:15		3405	238.3				
1:30		3405	238.3				
1:45		3400	238.3				
2:00		3400	238.3				
2:15		3405	238.3				
2:30		3405	238.4				
2:45		3405	238.4				
3:00		3405	238.3				
3:15		3405	238.3				
3:30		3405	238.3				
3:45		3410	238.4				
4:00		3410	238.4				
4:15		3410	238.3				
4:30		3405	238.3				
4:45		3405	238.3				
5:00		3410	238.3				
5:15		3410	238.3				
5:30		3405	238.3				
5:45		3405	238.3				
6:00		3410	239.3				
6:15		3405	238.3				
6:30		3400	238.3				
6:45		3400	238.3				
7:00		3400	238.4				
7:15		3400	238.4				
7:30		3405	238.3				
7:45		3405	238.3				
8:00		3405	238.3				
8:15		3405	238.3				
8:30		3405	238.3				
8:45		3400	238.3				
9:00		3400	238.3				
9:15		3400	238.3				
9:30		3400	238.3				
9:45		3400	238.3		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE 18

DATE 5-25-01

SERVICE CENTER

CUSTOMER San Bernardino well # 18

HOURS PUMP DAY
TOTAL HOURS
TESTED BY James Baldado

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
1000am	0	3400	238.4		1775		
10:15		3405	238.4				
10:30		3405	238.4				
10:45		3405	238.4				
11:00		3405	238.4				
11:15		3410	238.4				
11:30		3410	238.4				
11:45		3410	238.5				
1200	0	3410	238.5		1775		

12am total = 65304820

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 556
PAGE 19

DATE 5-20-01

SERVICE CENTER

CUSTOMER San Bernardino Well #12

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Ricky Inc.

DISCH PIPE 16" ORIFICE DIA STATIC LEVEL 166.00 BOWL USED

TIME AM	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	0	3395	236.4		1775		
12:30		3400	236.5				
12:45		3415	238.5				
1:00		3410	238.6				
1:15		3400	236.3				
1:30		3395	236.5				
1:45		3390	236.4				
2:00		3410	238.4				
2:15		3405	237.9				
2:30		3400	236.3				
2:45		3415	238.5				
3:00		3410	238.5				
3:15		3390	238.6				
3:30		3400	238.5				
3:45		3410	238.5				
4:00		3395	238.4				
4:15		3415	238.5				
4:30		3410	238.5				
4:45		3410	238.5				
5:00		3415	238.6				
5:15		3405	238.4				
5:30		3405	238.5				
5:45		3425	238.6				
6:00		3410	238.4				
6:15		3410	238.5				
6:30		3415	238.4				
6:45		3405	238.5				
7:00		3410	238.5				
7:15		3415	238.5				
7:30		3405	238.4				
7:45		3405	238.6				
8:00		3395	238.7				
8:15		3395	238.7				
8:30		3385	238.5				
8:45		3420	238.5				
9:00		3405	238.4				
9:15		3400	238.5				
9:30	V	3410	238.4				
9:45	0	3405	295.5		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE 20

DATE 5-26-01

SERVICE CENTER

CUSTOMER San Bernardino well #12

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Ricky Tag. II

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME A.M.	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	0	3415	236.4		1775		
10:15	"	3410	236.4				
10:30	"	3415	236.5				
10:45	"	3410	238.4				
11:00	"	3410	240.5				
11:15	"	3400	238.6				
11:30	"	3400	236.4				
11:45	"	3405	238.6				
12:00	"	3415	238.5		1775		

12:00 p.m. total 67,740,730

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-26-01

PAGE 1

SERVICE CENTER

CUSTOMER San Bernardino well #12

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Chad Darcy

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.F.M.	S.C.	REMARKS
12:15PM	N/A	3415	238.7		1775		IN LINE Flow meter
12:30		3420	238.6				IS BROKEN SAW
12:45		3415	238.6				IT WAS BROKEN AT
1:00		3380	238.6				1130 AM. CD
1:15		3415	238.6				
1:30		3420	238.6				
1:45		3425	238.6				
2:00		3400	238.6				
2:15		3415	238.6				
2:30		3430	238.6				
:45		3410	238.6				
:00		3405	238.6				
3:15		3410	238.6				
3:30		3390	238.7				
3:45		3410	238.7				
4:00		3405	238.7				
4:15		3390	238.6				
4:30		3395	238.7				
4:45		3400	238.6				
5:00		3400	238.6				
5:15		3400	238.7				
5:30		3415	238.6				
5:45		3415	238.6				
6:00		3400	238.6				
6:15		3415	238.6				
6:30		3420	238.7				
6:45		3400	238.6				
7:00		3415	238.6				
7:15		3420	238.6				
7:30		3405	238.6				
7:45		3415	238.6				
8:00		3405	238.6				
8:15		3420	238.6				
8:30		3350	238.6				
8:45		3425	238.7				
:00		3405	238.7				
15		3410	238.6				
9:30		3390	238.7				
9:45	N/A	3430	238.7		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-26-01

PAGE 2

SERVICE CENTER

CUSTOMER SAN BERNARDINO EPA well #12

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Chad Darcy

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	N/A	3400	238.7		1775		METER STILL
10:15	"	3410	238.6		"		BROKEN!
10:30	"	3410	238.6		"		
10:45	"	3400	238.7		"		
11:00	"	3415	238.7		"		
11:15	"	3400	238.6		"		
11:30	"	3410	238.7		"		
11:45	"	3410	238.7		"		
12:00 AM	N/A	3390	238.7		1775		

Total 12 AM

7020590

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5507

DATE 5-27-01

PAGE 23

SERVICE CENTER

CUSTOMER San Bernardino Well #10

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Rocky Davis II

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME a.m.	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	0	3400	236.6		1775		
12:30		3405	236.5				
12:45		3410	236.5				
1:00		3395	236.6				
1:15		3400	236.6				
1:30		3410	236.7				
1:45		3410	236.5				
2:00		3400	236.7				
2:15		3400	236.6				
2:30		3395	236.7				
2:45		3405	236.7				
3:00		3410	236.7				
3:15		3395	236.7				
3:30		3410	236.6				
3:45		3410	236.5				
4:00		3410	236.7				
4:15		3420	236.6				
4:30		3415	236.5				
4:45		3410	236.7				
5:00		3420	236.7				
5:15		3395	236.6				
5:30		3395	236.7				
5:45		3410	236.7				
6:00		3415	236.6				
6:15		3400	236.6				
6:30		3405	236.7				
6:45		3415	@ 236.6				
7:00		3405	@ 236.7				
7:15		3415	236.7				
7:30		3420	236.7				
7:45		3415	@ 236.6				
8:00		3405	236.7				
8:15		3415	236.7				
8:30		3395	236.6				
8:45		3400	236.7				
9:00		3400	236.6				
9:15		3395	236.7				
9:30	V	3410	236.7		V		
9:45		3420	@ 236.6		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE 24

DATE 5-27-01

SERVICE CENTER

CUSTOMER [illegible]

HOURS PUMP DAY
TOTAL HOURS
TESTED BY [illegible] Tingilly

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL [illegible] BOWL USED

TIME am	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	0	3400	238.7		1778		
10:15		3395	238.7				
10:30		3405	238.7				
10:45		3405	238.10				
11:00		3390	238.7				
11:15		3410	238.7				
11:30		3410	238.7				
11:45		3415	238.7		1775		
12:00	1/3	3405	238.7				

12:00 p.m total 72,657,260

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-27-01

PAGE 35

SERVICE CENTER

CUSTOMER San Bernardino Well #3

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Chad Bailey

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME P.M.	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	C	3400	238.7		1775		
12:30		3410	238.7				
12:45		3405	238.7				
1:00		3420	238.7				
1:15		3410	238.7				
1:30		3420	238.7				
1:45		3380	238.8				
2:00		3410	238.8				
2:15		3410	238.7				
2:30		3400	238.7				
2:45		3420	238.7				
3:00		3395	238.7				
3:15		3415	238.7				
3:30		3410	238.7				
3:45		3420	238.7				
4:00		3410	238.7				
4:15		3420	238.7				
4:30		3420	238.7				
4:45		3400	238.7				
5:00		3390	238.6				
5:15		3390	238.6				
5:30		3410	238.6				
5:45		3415	238.7				
6:00		3410	238.7				
6:15		3385	238.6				
6:30		3400	238.7				
6:45		3420	238.7				
7:00		3410	238.6				
7:15		3410	238.7				
7:30		3405	238.7				
7:45		3410	238.6				
8:00		3420	238.6				
8:15		3410	238.6				
8:30		3420	238.6				
8:45		3420	238.6				
9:00		3400	238.6				
9:15		3410	238.6				
9:30		3410	238.6				
9:45	6	3415	238.6				

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-
PAGE 26

DATE 5-27-01

SERVICE CENTER

CUSTOMER City of SB well #12 (EPA)

HOURS PUMP DAY
TOTAL HOURS
TESTED BY CHAD DARCY

DISCH PIPE 12" ORIFICE DIA NONE STATIC LEVEL 166. BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	N/A	3390	238.6		1775		IN LINE Meter
10:15		3410	238.6				IS BROKEN!
10:30		3405	238.6				
10:45		3400	238.7				
11:00		3416	238.7				
11:15		3410	238.6				
11:30		3395	238.6				
11:45		3430	238.6				
12:00AM	N/A	3400	238.6		1775		

12:00 AM
Total 75,116,630

(82)

(Mon)

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-28-01

JOB NO. 5567
PAGE 27

SERVICE CENTER

CUSTOMER San Bernardino #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim SLACK

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Electric ~~ENGINE~~ R.P.M.	S.C.	REMARKS 12"
12:15	A.M. 0	3400	238.6		1775		IN Line meter
12:30		3400	238.6				IS broken
2:45		3410	238.5				
1:00		3400	238.6				
1:15		3410	238.6				
1:30		3415	238.6				
1:45		3415	238.6				
2:00		3410	238.6				
2:15		3410	238.6				
2:30		3410	238.6				
2:45		3410	238.6				
3:00		3390	238.6				
3:15		3410	238.6				
3:30		3410	238.6				
3:45		3400	238.6				
4:00		3390	238.6				
4:15		3400	238.6				
4:30		3400	238.6				
4:45		3410	238.5				
5:00		3410	238.6				
5:15		3400	238.6				
5:30		3410	238.5				
5:45		3415	238.5				
6:00		3410	238.5				
6:15		3410	238.6				
6:30		3400	238.5				
6:45		3410	238.5				
7:00		3410	238.5				
7:15		3390	238.5				
7:30		3410	238.5				
7:45		3400	238.6				
8:00		3410	238.5				
8:15		3410	238.5				
8:30		3410	238.6				
8:45		3410	238.5				
9:00		3400	238.5				
9:15		3415	238.5				
9:30		3410	238.5				
9:45	0	3420	238.5		1775		SAME

-22 (Mon.)

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-28-01

PAGE 28

FONTANA SERVICE CENTER

CUSTOMER: San Bernardino Well #112 VIRGINIA ST.

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim SLACK

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 160.9' BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	@	3400	238.5		1775		12" In Line, meter to discharge
10:15		3410	238.5				
10:30		3400	238.5				
10:45		3420	238.5				
11:00		3420	238.5				
11:15		3415	238.5				
11:30		3410	238.5				
11:45		3400	238.5				
12:00	NOON @	3410	238.6		1775		Same

@ 12:00 NOON

Jim Slack TOTAL = 79559790

-82 Mow.

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-28-01

JOB NO. 5567

PAGE 4

SERVICE CENTER

CUSTOMER SAN Bernardino Well #112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Baldwin

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	F.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15 pm	0	3400	238.5		1775		
12:30	"	3405	238.5		"		
12:45	"	3405	238.5		"		
1:00	"	3400	238.5				
1:15	"	3400	238.5				
1:30	"	3400	238.4				
1:45	"	3400	238.4				
2:00	"	3405	238.4				
2:15	"	3405	238.5				
2:30	"	3410	238.5				
2:45	"	3410	238.5				
3:00	"	3410	238.5				
3:15	"	3410	238.5				
3:30	"	3410	238.5				
3:45	"	3410	238.5				
4:00	"	3410	238.5				
4:15	"	3410	238.5				
4:30	"	3410	238.5				
4:45	"	3410	238.5				
5:00	"	3405	238.4				"
5:15	"	3405	238.4				
5:30	"	3405	238.4				
5:45	"	3400	238.4				
6:00	"	3400	238.4				
6:15	"	3400	238.4				
6:30	"	3400	238.4				
6:45	"	3400	238.4				
7:00	"	3400	238.4				
7:15	"	3405	238.4				
7:30	"	3405	238.4				
7:45	"	3405	238.4				
8:00	"	3405	238.4				
8:15	"	3400	238.4				
8:30	"	3400	238.4				
8:45	"	3400	238.4				
9:00	"	3400	238.4				
9:15	"	3400	238.4				
9:30	"	3400	238.4				
9:45 pm	0	3400	238.4		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 5-28-01

JOB NO. 5567
PAGE 30

SERVICE CENTER

CUSTOMER San Bernardino well #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY James BARBARO

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0 BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00am	0	3400	239.3		1775		
10:15		3405	238.2				
10:30		3405	238.3				
10:45		3405	238.3				
11:00		3405	239.3				
11:15		3400	238.3				
11:30		3400	238.3				
11:45		3400	238.3				
12:00am	0	3405	238.3		1775		

12:00 Am Total = 8000 9210

-82

TUS.

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567

DATE 5-29-01

PAGE 3.1

SERVICE CENTER

CUSTOMER SAN BERNARDINO WELL # 112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim SCOTT

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	~~ENGINE~~ Electric R.P.M.	S.C.	REMARKS
12.15	4.00	3410	238.5		1775		
12.30	↑	3410	238.2				
12.45		3420	238.2				
1.00		3420	238.2				
1.15		3410	238.1				
1.30		3420	238.1				
1.45		3420	238.1				
2.00		3420	238.2				
2.15		3420	238.1				
2.30		3420	238.1				
2.45		3415	238.1				
3.00		3420	238.0				
3.15		3410	238.0				
3.30		3415	238.0				
3.45		3415	238.0				
4.00		3410	238.0				
4.15		3415	238.0				
4.30		3420	237.9				
4.45		3410	237.9				
5.00		3410	237.9				
5.15		3410	237.9				
5.30		3410	237.9				
5.45		3415	237.9				
6.00		3420	238.0				
6.15		3420	238.0				
6.30		3415	237.9				
6.45		3415	237.9				
7.00		3410	237.8				
7.15		3410	237.9				
7.30		3410	237.9				
7.45		3415	237.9				
8.00		3415	237.9				
8.15		3418	237.9				
8.30		3415	237.8				
8.45		3420	237.8				
9.00		3415	237.8				
9.15		3415	237.8				
9.30	↓	3415	237.7				↓
9.45	0	2415	237.8		1775		Same.

[illegible]
82
182

-82 (Tues)

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 5567
PAGE [illegible]

DATE 5-29-01

SERVICE CENTER

CUSTOMER SAN Bernardino Well = 112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 166.0' BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Electric ~~ENGINE~~ R.P.M.	S.C.	REMARKS 12" Turbine
10:00	0	3415	237.7		1775		[illegible]
10:15		3415	237.8				
10:30		3415	237.7				
10:45		3415	237.7				
11:00		3420	237.8				
11:15		3420	237.8				
11:30		3410	237.8				
11:45		3400	237.9				
12:00	Now 0	3400	237.9		1775		SHUT pump off
15		Static	Level	181.8			

263
82
181.8

Jim Slack

5-29-01 Now TOTAL = 8,247,770

RESTART OF AQUIFER TEST

-82

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567

DATE 6-7-01

PAGE 1

START up After 1 wk Recovery SERVICE CENTER

CUSTOMER San Bernardino Well #112.

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim Slack

DISCH PIPE 12 ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

START UP TOTALIZER 82,479,770

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	~~ENGINE~~ Elec. R.P.M.	S.C.	REMARKS
12:00	NOON	0-6PM SWL	169.6		1775	-	START UP.
12:05	0	3491	222.0				
12:10		3479	224.7				
12:15		3493	225.0				
12:20		3480	226.8				
12:25		3474	227.5				
12:30		3470	228.0				
12:35		3465	228.5				
12:40		3470	228.9				
12:45		3465	229.3				
[illegible]:50		3470	229.5				
12:55		3455	229.8				
1:00		3445	230.1				
1:05		3450	230.4				
1:10		3445	230.6				
1:15		3450	230.7				
1:20		3440	230.9				
1:25		3446	231.1				
1:30		3450	231.2				
1:35		3455	231.4				
1:40		3448	231.6				
1:45		3440	231.7				
1:50		3435	231.8				
1:55		3425	232.0				
2:00		3428	232.0				
2:05		3420	232.1				
2:10		3425	232.3				
2:15		3420	232.4				
2:20		3428	232.5				
2:25		3418	232.6				
2:30		3437	232.7				
2:35		3435	232.8				
2:40		3425	232.9				
2:45		3418	232.9				
2:50		3435	233.0				
[illegible]:55		3427	233.1				
[illegible]:00		3425	233.1				
3:15		3427	233.3				
3:30	0	3420	233.6		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567
PAGE 2

DATE 6-7-01

SERVICE CENTER

CUSTOMER San Bernardino Well #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Scock

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Elec ~~ENGINE~~ R.P.M.	S.C.	REMARKS
3:45	0	3418	233.7		1775		
4:00		3405	233.9				
4:15		3415	234.1				
4:30		3454	234.2				
4:45		3438	234.4				
5:00		3421	234.5				
5:15		3440	234.6				
5:30		3428	234.8				
5:45		3432	234.7				
6:00		3448	234.9				
6:15		3436	235.0				
6:30		3410	235.0				
6:45		3435	235.2				
7:00		3427	235.1				
7:15		3425	235.3				
7:30		3437	235.3				
7:45		3427	235.4				
8:00		3418	235.5				
8:15		3438	235.5				
8:30		3440	235.6				
8:45		3435	235.7				
9:00		3428	235.6				
9:15		3425	235.6				
9:30		3428	235.8				
9:45		3436	235.9				
10:00		3434	235.9				
10:15		3428	235.9				
10:30		3425	235.9				
10:45		3436	235.9				
11:00		3435	236.0				
11:15		3412	236.0				
11:00		3410	236.1				
11:45		3415	236.1				
12:00	Midnight	3420	236.1				
	0				1775		

J. S. Scock To be planned on 6-7-01 = 84929848

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 6-8-51

JOB NO. 27-557

PAGE 3

SERVICE CENTER

CUSTOMER SAN BERNARDINO well #12

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Bardin

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	P.M. 0	3410	236.1		1775		
12:30		3415	236.2				
12:45		3415	236.2				
1:00		3420	236.3				
1:15		3420	236.3				
1:30		3420	236.3				
1:45		3410	236.3				
2:00		3420	236.4				
2:15		3420	236.4				
2:30		3420	236.5				
2:45		3425	236.5				
3:00		3420	236.5				
3:15		3415	236.5				
3:30		3420	236.6				
3:45		3420	236.5				
4:00		3420	236.6				
4:15		3425	236.6				
4:30		3420	236.7				
4:45		3415	236.7				
5:00		3415	236.7				
5:15		3410	236.7				
5:30		3410	236.8				
5:45		3410	236.8				
6:00		3420	236.9				
6:15		3420	236.9				
6:30		3410	236.9				
6:45		3410	236.9				
7:00		3410	236.9				
7:15		3410	236.9				
7:30		3405	236.9				
7:45		3410	236.9				
8:00		3410	236.9				
8:15		3410	237.0				
8:30		3410	237.0				
8:45		3410	237.0				
9:00		3410	237.1				
9:15		3415	237.2				
9:30		3415	237.2				
9:45	0	3415	237.2		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 6-8-01

JOB NO. 27-5567
PAGE 4

SERVICE CENTER

CUSTOMER San Bernardino well #112

HOURS PUMP DAY

TOTAL HOURS 12

TESTED BY James Barbaro

DISCH PIPE 12"　ORIFICE DIA　STATIC LEVEL 169.6　BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	am 0	3410	237.2		1775		
10:15		3420	237.3				
10:30		3415	237.3				
10:45		3415	237.3				
11:00		3415	237.3				
11:15		3415	237.3				
11:30		3420	237.3				
11:45		3420	237.3				
12:00	noon 0	3420	237.3		1775		

12 noon total pumped = 87419400

319
-82
237

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 6-8-01

JOB NO 27-5567
PAGE 5

SERVICE CENTER

CUSTOMER San Bernardino well #12

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 68.6 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	~~ENGINE~~ Elec. R.F.M.	S.C.	REMARKS
12:15	@	3435	237.5		1775		
12:30		3445	237.5				
12:45		3427	237.5				
1:00		3415	237.5				
1:15		3427	237.5				
1:30		3419	237.5				
1:45		3400	237.5				
2:00		3426	237.5				
2:15		3417	237.5				
2:30		3423	237.5				
2:45		3425	237.5				
3:00		3413	237.6				
3:15		3415	237.5				
3:30		3419	237.6				
3:45		3408	237.6				
4:00		3417	237.6				
4:15		3410	237.6				
4:30		3413	237.6				
4:45		3424	237.6				
5:00		3412	237.6				
5:15		3422	237.6				
5:30		3417	237.6				
5:45		3423	237.6				
6:00		3428	237.7				
6:15		3405	237.7				
6:30		3410	237.7				
6:45		3408	237.7				
7:00		3412	237.7				
7:15		3427	237.7				
7:30		3410	237.7				
7:45		3405	237.7				
8:00		3426	237.7				
8:15		3419	237.7				
8:30		3428	237.7				
8:45		3414	237.5				
9:00		3424	237.7				
9:15		3400	237.7				
9:30		3405	237.5				
9:45	@	3405	237.7		1775		

319
-82
237

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567
PAGE 6

D 6-3-01

SERVICE CENTER

CUSTOMER San Bernardino Water Dept

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 167.6 BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ELEC. ~~ENGINE~~ R.P.M.	S.C.	REMARKS
10:00	0	3408	237.8		1775		
10:15		3412	237.5				
10:30		3405	237.5				
10:45		3415	237.5				
11:00		3400	237.5				
11:15		3415	237.4				
11:30		3420	237.9				
11:45	0	3430	237.9				
12:00	MIDNIGHT	3428	237.7		1775		

J. Slack 6-3-01 Total Pumped = 89829460

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 6-9-01

JOB NO. 27-5567
PAGE 1

SERVICE CENTER

CUSTOMER San Bernardino #Well 182

HOURS PUMP DAY
TOTAL HOURS
TESTED BY

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	A.M.	3420	237.8		1775		
12:30		3415	237.8				
12:45		3410	237.9				
1:00		3412	237.8				
1:15		3425	237.9				
1:29		3420	237.8				
1:45		3410	237.8				
2:00		3412	237.9				
2:15		3413	237.9				
2:30		3410	237.9				
2:45		3409	237.9				
:00		3412	237.9				
:15		3409	237.9				
3:30		3410	237.9				
3:45		3408	237.9				
4:00		3410	237.9				
4:15		3412	237.9				
4:30		3409	237.9				
4:45		3411	237.9				
5:00		3413	237.9				
5:15		3409	238.0				
5:30		3408	238.0				
5:45		3415	238.0				
6:00		3410	238.0				
6:15		3411	238.0				
6:30		3412	238.0				
6:45		3418	238.0				
7:00		3416	238.0				
7:15		3422	238.0				
7:30		3420	238.0				
7:45		3415	238.0				
8:00		3418	238.0				
8:15		3419	238.0				
8:30		3413	[illegible]				
8:45		3410	238.1				
9:00		3417	238.1				
9:15		3421	238.1				
:30		3415	238.1				
9:45		3417	238.1				

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567

PAGE 8

DATE 6-9-01

SERVICE CENTER

CUSTOMER SAN BERNARDINO well # 112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James Pedro

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	am Ø	3412	238.1				
10:15		3416	238.1				
10:30		3415	238.1				
10:45		3421	238.1				
11:00		3416	238.1				
11:15		3419	238.1				
11:30		3415	238.2				
11:45		3411	238.2				
12:00	NOON Ø	3403	238.2				

Total = 92283280

320
-82
238

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 6-9-01

JOB NO. 27-5567
PAGE 9

SERVICE CENTER

CUSTOMER SAV Bee Madera #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	Electric ~~ENGINE~~ R.P.M.	S.C.	REMARKS
12:15 P.M.	0	3415	238.2		1775		
12:30		3408	238.2				
12:45		3417	238.1				
1:00		3402	238.1				
1:15		3410	238.2				
1:30		3414	238.2				
1:45		3412	238.2				
2:00		3431	238.2				
2:15		3422	238.2				
2:30		3423	238.2				
2:45		3419	238.2				
3:00		3412	238.2				
3:15		3410	238.2				
3:30		3421	238.2				
3:45		3417	238.2				
4:00		3415	238.2				
4:15		3409	238.2				
4:30		3414	238.2				
4:45		3418	238.2				
5:00		3416	238.2				
5:15		3410	238.3				
5:30		3407	238.3				
5:45		3414	238.3				
6:00		3400	238.3				
6:15		3415	238.3				
6:30		3410	238.3				
6:45		3425	238.3				
7:00		3418	238.3				
7:15		3415	238.3				
7:30		3412	238.3				
7:45		3427	238.3				
8:00		3426	238.3				
8:15		3417	238.3				
8:30		3428	238.3				
8:45		3410	238.3				
9:00		3413	238.3				
9:15		3417	238.2				
9:30		3410	238.2				
9:45	0	3427	238.3		1775		

320
-82
338.4

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567

DATE 6-9-01

PAGE 10

SERVICE CENTER

CUSTOMER SAN BERNARDINO Valley #112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY Jim Slack

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	Elec. ~~ENGINE~~ R.P.M.	S.C.	REMARKS
10:00	0	3422	238.4		1775		
10:15		3421	238.4				
10:30		3418	238.4				
10:45		3425	238.4				
11:00		3423	238.4				
11:15		3412	238.4				
11:30		3421	238.4				
11:45	0	3409	238.4				
12:00	Midnight	3420	238.4		1775		

J Slack 6-9-01 TOTAL Pumped = 95743950

MCCALLA BROS. PUMP AND DRILLING INC.

DATE 6-10-01

JOB NO. 27-5567
PAGE 11

SERVICE CENTER

CUSTOMER SAN BERNARDINO well # 112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY JAMES BARBARO

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	F.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	AM 0	3416	238.4		1775		
12:30		3419	238.4				
12:45		3420	238.4				
1:00		3420	238.4				
1:15		3409	238.4				
1:30		3405	[illegible]				
1:45		3411	[illegible]				
2:00		3415	[illegible]				
2:15		3415	238.4				
2:30		3422	238.4				
45		3409	238.4				
:00		3410	238.4				
3:15		3410	238.4				
3:30		3423	238.4				
3:45		3425	238.4				
4:00		3420	238.4				
4:15		3415	238.5				
4:30		3409	238.5				
4:45		3405	238.5				
5:00		3400	238.5				
5:15		3405	238.6				
5:30		3410	238.5				
5:45		3419	238.6				
6:00		3422	238.6				
6:15		3415	238.6				
6:30		3410	238.6				
6:45		3410	238.6				
7:00		3419	238.6				
7:15		3415	238.6				
7:30		3421	238.6				
7:45		3415	238.6				
8:00		3416	238.6				
8:15		3410	238.6				
8:30		3412	238.6				
8:45		3409	238.6				
:00		3409	238.6				
:15		3410	238.6				
:30		3415	238.6				
:45	AM 0	3419	238.6		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567

DATE 6-10-01

PAGE 12

SERVICE CENTER

CUSTOMER SAN BERNARDINO well #112

HOURS PUMP DAY

TOTAL HOURS

TESTED BY James BARNARD

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	AM 0	3405	238.6		1775		
10:15		3409	238.6				
10:30		3408	238.6				
10:45		3405	238.7				
11:00		3400	238.7				
11:15		3400	238.7				
11:30		3406	238.7				
11:45		3404	238.7				
12:00	NOON 0	3405	238.7		1775		

12 NOON TOTAL = 97183340

320.6
-82
238.6

~~MCCALLA BROS.~~ PUMP AND DRILLING INC.

JOB NO. 27-5567
PAGE 13

DATE 6-10-01

FONTANA — SERVICE CENTER

CUSTOMER: SAN BERNARDINO WELL #112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim SLACK

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.F.M	G.P.M.	PMPING LEVEL	DRAW DOWN	Elec. ~~ENGINE~~ R.P.M.	S.C.	REMARKS
12:15	P.M.D	3400	238.6		1775		
12:30		3417	238.7				
12:45		3407	238.7				
1:00		3427	238.7				
1:15		3419	238.7				
1:30		3426	238.6				
1:45		3419	238.6				
2:00		3400	238.7				
2:15		3407	238.6				
2:30		3410	238.7				
2:45		3418	238.7				
3:00		3412	238.6				
3:15		3427	238.6				
3:30		3409	238.6				
3:45		3410	238.6				
4:00		3405	238.7				
4:15		3423	238.7				
4:30		3420	238.7				
4:45		3410	238.7				
5:00		3400	238.7				
5:15		3417	238.7				
5:30		3405	238.7				
5:45		3406	238.8				
6:00		3412	238.8				
6:15		3415	238.8				
6:30		3423	238.9				
6:45		3410	238.7				
7:00		3418	238.8				
7:15		3405	238.7				
7:30		3412	238.7				
7:45		3415	238.7				
8:00		3412	238.7				
8:15		3400	238.7				
8:30		3410	238.7				
8:45		3400	238.8				
9:00		3410	238.7				
9:15		3408	238.8				
9:30		3417	238.7				
9:45	D	3412	238.7		1775		

3207
-82
3388.7

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO 27-5567
PAGE 14

DATE 6-10-01

Fontana — SERVICE CENTER

CUSTOMER San Bernardino Well #12

HOURS PUMP DAY
TOTAL HOURS
TESTED BY Jim Shook

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.F.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	0	3415	238.7		1775		
10:15		3426	238.8				
10:30		3407	238.7				
10:45		3427	238.8				
11:00		3410	238.7				
11:15		3421	238.8				
11:30		3402	238.8				
11:45	0	3407	238.7				
12:00	Midnight	3408	238.8		1775		

J Kallock Totalizer 6-5-01 = 79667930
Midnight

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567
PAGE 15

DATE 6-11-01

SERVICE CENTER

CUSTOMER: San Bernardino well # 112

HOURS PUMP DAY
TOTAL HOURS
TESTED BY James Barbaro

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.6 BOWL USED

TIME	P.F.M	G.F.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
12:15	am 0	3410	232.8		1775		
12:30		3416	238.8				
12:45		3420	238.8				
1:00		3407	238.8				
1:15		3409	238.8				
1:30		3420	238.8				
1:45		3417	238.8				
2:00		3415	238.8				
2:15		3409	238.7				
2:30		3410	238.7				
2:45		3419	238.7				
3:00		3420	238.8				
3:15		3417	238.8				
3:30		3411	238.8				
3:45		3410	238.8				
4:00		3405	238.8				
4:15		3405	238.8				
4:30		3407	238.8				
4:45		3400	238.8				
5:00		3410	238.8				
5:15		3410	238.8				
5:30		3405	238.8				
5:45		3409	238.8				
6:00		3410	238.8				
6:15		3400	238.8				
6:30		3415	238.8				
6:45		3409	238.8				
7:00		3409	238.9				
7:15		3415	238.9				
7:30		3411	238.9				
7:45		3405	238.9				
8:00		3400	238.9				
8:15		3400	238.8				
8:30		3405	238.9				
8:45		3409	238.8				
9:00		3413	238.8				
9:15		3426	238.9				
9:30		3422	238.9				
9:45	am 0	3419	238.9		1775		

MCCALLA BROS. PUMP AND DRILLING INC.

JOB NO. 27-5567
PAGE 16

DATE 6-11-01

SERVICE CENTER

CUSTOMER San Bernardino well # 11A

HOURS PUMP DAY
TOTAL HOURS
TESTED BY James Barbaro

DISCH PIPE 12" ORIFICE DIA STATIC LEVEL 169.9 BOWL USED

TIME	F.P.M	G.P.M.	PMPING LEVEL	DRAW DOWN	ENGINE R.P.M.	S.C.	REMARKS
10:00	am Ø	3414	238.9		1775		
10:15		3416	238.9				
10:30		3421	238.9				
10:45		3410	238.9				
11:00		3412	238.9				
11:15		3409	238.9				
11:30		3411	238.9				
11:45		3406	238.9				
12:00	noon Ø	3410	238.9		1775		
12:05			189.0				
12:10			185.2				
12:15			184.0				
12:20	pm Ø						

Total - 12 noon = 213335