



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor  
**Betty Rivera**  
Cabinet Secretary

August 23, 2002

**Lori Wrotenbery**  
Director  
Oil Conservation Division

New Mexico Oil Conservation Commission  
Hon. Lori Wrotenbery, Chairman  
1220 South Saint Francis Drive  
Santa Fe, NM 87505

**Re: Case No. 12757; Application of the NMOCD to Require Marks and Garner  
Production Limited Co. to Plug Certain Wells, Etc.**

Dear Chairman Wrotenbery and Honorable Commissioners:

At the hearing held in this matter on July 19, 2002, the Commission requested Marks and Garner Production Limited Co. ("Marks and Garner") to submit as additional evidence copies of the log books of their pumper. Copies of some purported log book entries were submitted by counsel for Marks and Ganer on August 8, 2002 pursuant to the Commission's directive.

The Commission directed the Division to respond to the additional evidence by August 15, 2002. Due to the incompleteness of the submitted log and the difficulty of deciphering the copies furnished, the Division has twice requested additional time to respond. Inasmuch as the evidence has not been further supplemented, we now submit the following comments on the material received.

First, we would point out that the purported log book covers less than half of the time period at issue in this case. The Division brought this case initially contending that production was improperly reported from seventeen (17) wells over a period of twelve reporting months commencing with September 2000 and continuing through August 2001. The last entry in the purported log book is December 21, 2000. In addition, the log book contains, so far as we can determine (It is difficult to read), no reference to four of the wells that are the subject of this case. The wells not referenced in the log entries are the Red Twelve Levers #8Q, the Red Twelve Levers #12, the Red Twelve State #6 and the Theos State.

Second, we would object to consideration of the log book as evidence in this case because there is no authenticating testimony. No witness stated under oath that the particular document tendered to the Commission as a copy of the pumper's log is a true copy of a log maintained in the ordinary course of business of Marks and Garner in which entries were made at or about the time of the events recorded by a person who then had

actual knowledge of the matter recorded. New Mexico Rules of Evidence 11-803.F and 11-901 require such evidence, as follows:

**Rule 11-803. Hearsay exceptions; availability of declarant immaterial.**

The following are not excluded by the hearsay rule, even though the declarant is available as a witness:

**F Records of regularly conducted activity.** A memorandum, report, record or data compilation, in any form, of acts events, conditions, opinions or diagnoses, made at or near the time by, or from information transmitted by, a person with knowledge, if kept in the course of a regularly conducted business activity, and if it was the regular practice of that business activity to make the memorandum, report or data compilation, *all as shown by the testimony of the custodian or other qualified witness, unless the source of information or the method or circumstances of preparation indicate lack of trustworthiness.* [Emphasis Added.]

**Rule 11-901. Requirement of authentication or identification.**

**A. General provision.** The requirement of authentication or identification as a condition precedent to admissibility is satisfied by evidence to support a finding that the matter in question is what its proponent claims.

Evidence to support the hearsay exception or to authenticate the document is lacking in this case. Although Devon Garner testified that he kept a log, there is no evidence that the document submitted is a true copy of the log he kept, nor is there any evidence or testimony to support a finding that the specific entries submitted were actually made on or about the dates indicated or by Devon Garner or any other person with actual knowledge. Even if the purported log is a reconstructed document prepared to support the volumes previously reported on the C-115s, no one has necessarily committed perjury.

Third, the lack of authentication is more than a technical concern. Several factors tend to undermine the credibility of the log. (a) The highly uniform writing style, for example, would seem more consistent with all or substantial portions of the document were written at one time than it would with a sequence of daily entries each made separately. (b) The existence of a number of writeovers of production quantities suggests the possibility that the log may have been doctored to correspond with the C-115s. These writeovers mostly occur in the early part of the log. It is possible that the early part of the log was a legitimate historical document which has been both doctored and supplemented. None of these possibilities can be verified, at least not without sophisticated scientific

analysis that is beyond the Division's means, but we believe all should be considered if the Commission determines that the log is admissible.

Fourth, we respectfully remind the Commission that the credibility of respondent's evidence in this case is already undermined by several factors. (a) Most telling is the persistent reporting of production from two plugged and abandoned wells. (b) A review of the production reports indicates that for several wells identical production volumes were reported for several successive months. (c) Finally, the Division's witnesses testified to the absence of physical evidence one would have expected to find at the well sites if the testimony of the respondents' witnesses were accurate.

Fifth, we call the Commission's attention to certain entries in the log that appear to refer to the Cave Pool Unit Well No. 17, a well that, according to undisputed evidence, was plugged and abandoned prior to the time that of inquiry. These entries, which appear opposite the dates 10-4-00, 10-5-00 and 11-10-00 are difficult to read, and may refer to the Cave Pool Unit Well No. 19. However, we invite the Commissioners to scrutinized the entries and form their own conclusions.

In connection with this response, we offer the following supplemental exhibits:

<u>Exhibit No.</u>	<u>Description</u>
S-1	Transcription of the alleged log, prepared by the Division staff
S-2	Excel spreadsheet comparing the production volumes reported on Marks and Garner C-115s already in evidence with the information contained in the purported log
S-3 through S-18	Tables of production volumes reported by Marks and Garner on C-115s already in evidence, highlighting duplicated volumes for successive months

Inasmuch as these supplemental exhibits do not include new evidence, but only summarize or analyze evidence already in the record with which the entries on the new

exhibits may be compared, we respectfully suggest that no authentication of the supplemental exhibits should be required.

Respectfully submitted,

A handwritten signature in cursive script, reading "David K. Brooks". The signature is written in dark ink and is positioned above a horizontal line.

David K. Brooks  
Assistant General Counsel  
Energy, Minerals and Natural  
Resources Department of the State of  
New Mexico  
1220 S. St. Francis Drive  
Santa Fe, NM 87505  
(505)-476-3450

Attorney for The New Mexico Oil  
Conservation Division

cc:

Mr. Steve Ross  
Counsel to the Commission

Mr. James G. Bruce  
P.O.Box 1056  
Santa Fe, NM 87504

Mr. Tim Gum  
Oil Conservation Division  
1300 West Grand Ave.  
Artesia, NM 88210

9-1-00 Rig up PU on Red 12 Lev 2. Pull pads [rods?] & tubing. 'SD

9-4-00 Find hole in tubing. Run tubing Back in hole. [illeg] tubing. OK P[illeg] Rods Put Back on SD

9-5-00 RD & go to CPU #32 Rig UP [deletion] mond[?] on a Rod[?] 4 1/2" swabin hole to 2400' Made 1 run recovered [illeg number, possible 2 written over 8] Bbls oil & 4 BBl's water with gas kick. RD pulling unit move to CPU #14. Rig up pulling. Run in hole with 4 1/2 swab. Run to 2400. Came out of hole recovered 2 BBl's oil & 5 BBl's water. SD

9-6-00 RD pulling unit and go to CPU#3. RUPU. Run in hole with swab. Run to 2400' COH[?] & recovered [illeg number, possible 1 written over 3] BBl's oil & 3 BBl's water. RD pulling unit & go to CPU #16. RUPU & go in hole[?] with swab to 2400' COH & [illeg] 3[overwrite] Bbls oil & 4[overwrite] BBl's water. RDPU & go to CPU #41 RUPU & go in hole with swab to 2400' COH with swab & [illeg] 3 BBl's oil & 5[overwrite] BBl's water. SD

#41  
#51  
#53

Thurs 9-7-00 RD PU go to CPU #51[?] run swab in hole to 2400 & rec 2[overwrite] BBl's oil & 3[overwrite] BBl's water. RDPU go to CPU #53 & RUPU run in hole with swab to 2400' COH with rec. 2 BBl's oil & 2[overwrite] BBl's water. RD PU & go to [deletion] CPU # 52. RU PU SD

Fri 9-8-00 Pull Rod & tubing find holes in tubing replace tubing & Run Back in hole go in 1 [illeg] [illeg] Rods & Pu/g Back on. RD SD

Mon. 9-11-00 Go to Lev S[could be 8] & Pull Rods [illeg] a Pos Part go in hole & fished Rods Hang back on & started pumping. RD PU SD

Tue. 9-12-00 RU PU on Lev [number illeg] Pull Rods & fished Rod [illeg] . go in hole with fish & rec. Rods Put Back on & started pumping. RD PU [deletion] Go to CPU #19 & & start [illeg].

Wed 9-13-00 Move to CPU 62 & Pull Rods & tubing. Found numerous holes in tubing. Replace tubing & run in hole. Run Rods in hole & started pumping. SD

Thur 9-14-00 RD Pulling unit & move to CPU#52. RU PU & Pull Rods. Find Rods Parted [illeg] go Back in hole & Fish Rod come back out of hole w/ [illeg] & replace Broken rod go in hole & put Back to pumping. SD.

12758	S-1
OCD	
8/30/02	

Fri 9-15-00 RD PU move to CPU Battery & [deletion] Begin to replace water leg[?] & remove water from Bottom of oil rec 7 [1?] BBl water on Bottom of tank. Replace pump packing. Check rest of wells SD.

Mon 9-18-00 Move PU to Double K go to Han[?] B #2 & RU PU Pull rods & pump. Replace pump & run back in hole. Put Back to pumping. SD.

Tue. 9-19-00 RD PU & move to Han B #1 Pulled Rods & find Deep rod part. Put on fish & [illeg] [illeg] [illeg] Fish Pull Pump & replaced fish[?] - go Back in hole. Started Pumping. SD.

Wed 9-20-00 RD PU & move to [illeg] & RU & Pull Pump. Find Pump is Bad wait on Pump to be delivered. Pump arrived & GIH with Pump. Put Back to Pumping & Pumping good. SD

Thur 9-21-00 RD PU & go to Bradley RU PU & Pull Rods. Find that Rods Parted go in hole with fish & rec. Rods Pull & replace Rod & go in hole & Put Back to pumping. SD

Fri 9-22-00 RD PU & move to G 11. RU PU find that rods parted. GIH & fish Rods Replace Rod & put Back [deletion] pumping. RD SD.

Mon 9-25-00 Move PU to Han[?] D & RU PU. Find that rods parted go in hole & fish [illeg] rod & put Back to Pumping. RD SD.

Tue 9-26-00 Move PU to Dog Canyon 26. RU SD.

Wed 9-27-00 Go in hole with [illeg]" swab & rec 9[?] BBls water [deletion] First run & 5 BBls sec. run & [illeg] fo in third time & rec. 3 BBls. Well started to show more Blow. Make one more run & rec. [illeg] BBls water & well kicked off. SD.

Thur 9-28-00 RD PU & move to Dog Canyon 31 [or #1?]. RU PU & make a swabb run & rec 6 BBls water. Go in again & rec. 6 BBls water. SD.

Fri 9-29-00 GIH w/ swab & rec 5 BBls water GIH again & rec 4[?] BBls water well started to kick. Let well flow & flowed 3 BBls water & kicked off. RD PU. SD.

Mon 10-2-00 Move PU to CPU & Rig up on [deletion] CPU # 53. Run swab in hole & rec. 1 BBl oil & 2 BBls water. RD PU & move to CPU #51. RU PU & swab. Rec 1 BBl ["1BBl" may have been inserted in margin.] oil & 3 BBl water. RD PU SD.

Tue 10-3-00 Move to CPU # 41 swab well & rec. 1 BBls ["1BBls" may have been inserted in margin.] oil & 2 BBls water. RD PU & move to CPU #14. RU

PU & swab rec 1 BBl oil & 3 BBl water. RD PU & move to CPU # 16 & RU PU & swab 2[?] BBl oil & 2 BBl water. BD.

Wed 10-4-00 RD PU & move[?] to CPU # 17[?] swab & rec. 1 BBl oil & 2 BBl water. RD PU & move to CPU #32 RU PU & swab 1 BBl oil & 3 BBl water. RD SD.

Thur 10-5-00 Move PU to CPU # 3 & swab rec 1 BBl ["1BBl" may have been inserted in margin.] oil & 2 BBl water. RD PU. Take elec motor to CPU # 1 [aggressive deletion] Turned on started to pump. [deletion. Apparently said "pumping unit"] Portable Pumping Unit to CPU 17[?] & start Ajax[?] pumping. SD

Fri 10-6-00 Move Portable Pumping Unit to Cave St. # 4 & Started Ajax.[?] Move elec motor off CPU #1 to CPU #30. Started Pumping. SD

Mon 10-9-00 Move PU to Levers #6. Run Rods & Pump. Started Ajax [?] & well started pumping. SD.

Tues 10-10-00 RDPU & move to Cave St #5. RUPU & Pull Rods & Pump. Replace pump U Rod. Put well back on Production. RDPU. Move to Levers #7. RUPU. SD.

Wed 10-11-00 Pull Rods on Lev 7 Find that Rods Parted. GIH w. Fish & rec. rods Replace Broken Rod & Hang Back on. Started pumping. RD PU & move to Red 12 Fed # 1. RUPU SD.

Thurs 10-12-00 Pull Rods & Find Parted rods. Run in hole with Fish & rec. Broken Rod Replace rod & Hang Back on. RDPU. SD

Fri 10-13-00 PU SD Check wells SD.

Mon 10-16-00 Motor in PU gone Bad. Working on engine. Motor was out of oil & water. SD

Tue 10-17-00 Pull motor on PU. SD.

Wed 10-18-00 Working on motor for PU. Checking wells [or wires?] looking OK. SD.

Thurs 10-19-00 Still working on motor for PU.

Fri 10-20-00 No motor. Dchek wells find that Cave St #5 not pumping. [illeg] of wells OK. Move elec motor from Cave [illeg] [Well name is a correction. Original entry aggressively deleted.] to State #2. Started to pump. SD

Mon 10-23-00 Turn State #2 OFF. Still waiting on motor for PU. SD

Tue 10-24-00 Get motor for PU. Put motor in. SD.

Wed 10-25-00 Finish putting motor in PU. Everything sounds & looks OK. Move PU to Red 12 Fed # 2. SD.

Thurs 10-26-00 Ru Pu on Red 12 Fed 2 & Pull Rods & tubing. Find that tubing has a hole. Replace tubing & rods. Started pumping. RD PU SD.

Fri 10-27-00 Move PU to CPU #12. RU PU & Pull Rods & tubing. Have about 10 jts Bad Replace jts & Rods Started Pumping. RD PU SD.

Mon 10-30-00 no Floor board[?] for PU SD.

Tues 10-31-00 no Floor board[?] for PU SD.

Wed 11-1-00 Find Floorboard move PU to CPU # 3[?] RUPU & swab 4 [or 11?] BBls oil & 5 BBl water. RDPU & move to CPU #12 RU PU & swab 6 BBls oil & 10 BBl water. RD Pu SD.

Thurs 11-2-00 move PU to CPU # 14 RU PU & swab 7[?] BBls oil & 18 BBl water. RD Pu move to CPU [illeg] Ru Pu & swab 5 BBl oil & 11 BBls water. RDPU & SD.

Fri 11-3-00 move PU to CPU # 32 RU PU & swab 4[or 11?] BBls oil & 12 BBls water RDPU & move to CPU [illeg]. RU PU & swab 4 BBl oil & 17 BBls water. RD PU & SD.

Mon 11-6-00 move to CPU 51 & RU PU. Swab 4 BBl oil & 14 BBl water. RD PU & move to CPU #[illeg]. RU PU & swab 3 BBls oil & 9[?] BBls water RD PU & move Portable Pumping Unit to [illeg] started Ajax[?] & started pumping. SD

Tue 11-7-00 Go to CPU 30 [illeg insertion] & turn on started pump to check first[?] of wells OK [deletion]. Turn off

Wed 11-8-00 Go to CPU 30 & turn off. take circ[elec?] [illeg] to CPU #1 & started pumping. SD

Thurs 11-9-00 CPU 1 pump [illeg] off. Turn off & move [illeg] Cave St #3. [deletion] Check rest of wells. SD

Fri 11-10-00 Move Portable Pumping From CPU 17 to Cave [illeg] & move elec motor to State #2 [insertion "from Cave No. 3"]. Started pumping. SD.

Sat 11-11-02 Check State #2. Not pumping. Turned off. Check rest of wells OK SD.

Mon 11-13-00 Move elec motor to Hodges Fed. Move PU to Kemnitz. [illeg] RUPU SD.

Tue 11-14-00 Pull rods on Kemnitz. take pump in to [illeg] checked SD.

Wed 11-15-00 [deletion] Drop SV & attempt to press. up on tubing never taken press.  
Start to come out of hole with tubing. Get around 50 stands out. SD.

Thur 11-16-00 Pull rest of pipe. Find [illeg] hole in [illeg] jts. SD.

Fri 11-17-00 Run 2 new jts & GIH with tubing. Sd.

Mon 11-20-00 no floorboard or Derrick [illeg]. SD PU.

Tue 11-21-00 no floorboard or Derrick [illeg]. SD PU.

Wed 11-22-00 Fund floorboard & Derrick [illeg]. Run rest of pipe in hole & Drop SV.  
Press. up on tubing. [Illeg press up to 600 psi hold for 10 min. Sd.

Thur 11-23-00 Pull SV & GIH with rods. SD.

Fri 11-24-00 Finish GIH with rods. Started pumping RD PU SD.

Mon 11-27-00 Move PU to Baum Field & Rig up on Baum E #2. Sd.

Tue 11-28-00 Pull rods on Baum E #2 7& find that pump was bad. Send pump in & Sd.

Wed 11-29-00 Got new pump. RIH with pump & Hang Gack on started pumping.  
RDPU. Move to Baum E #1. SD.

Thur 11-30-00 Pull rods. Find shallow rod parted[?] & fish rod. Replace rod & put back  
on production. RD PU & move PU to [illeg]

Fri 12-1-00 SD

Mon 12-4-00 RU PU on CPU #3. Run Swab 2 BBls of [illeg] BBls water. Leave PU  
RU & move [illeg] pump jack from Cave St 4 to CPU 11[?]. Ajax & left  
pumping. Move elec motor [illeg] Hodges to CPU #1. Started pumping  
[illeg]

Tue 12-5-00 Run swab on CPU #3. rec[illeg] BBls [illeg] water SD PU.

12-6-00 Swab CPU #3[?] 7 rec 4 [written over] BBls oil & 4 BBls water & move  
elec motor from CPU #11[?] to CPU # 30[?] & left pumping. RD PU &  
move to CPU # 12 RU PU & swab swab 4 BBls oil & [illeg] BBls water.  
SD.

12-7-00 Swab CPU #12 & rec. 5 BBls oil & 8 BBls water. RD PU & move to CPU #14. RU PU & swab 4 BBls oil & 7[?] BBls water. SD

12-8-00 Swab CPU #14 & rec 9[or 4?] BBls oil & 7 BBls water . Weather got bad. SD.

12-9-00 Swab CPU #14 & rec. 3 BBls oil & 11 BBls water. RD PU & move to CPU 16. RU PU & swab 3 BBls oil & 6[or 5?] BBls water. SD

12-11-00 Swab CPU #16 & rec 3BBls oil & 5 BBls water. SD

12-12-00 Move pumpjack off CPU #16 to Cave St 4 & swab CPU #16 & rec 3 BBls oil & 5 BBls water. SD

12-13-00 Swab CPU 16 rec 4 BBl oil & 9 BBls water. RD PU & move to CPU #53 RUPU & rec 3 BBls oil & 8 BBls water. SD

12-14-00 Swab CPU 53 & rec 3BBls oil & 10 BBls water. RDPu & move to CPU #51. Ru Pu & swab rec 3 BBls oil & 9 BBls water. RDPU & SD

12-15-00 Move to CPU #32[?]. RU PU & swab 4 BBls oil & 4[or 9?] BBls water. RDPU & move to CPU 41[?] RUPU & swab 4 BBls oil & [illeg] BBls water. Sd.

12-18-00 RDPU & move to CPU 12 [or 62 - original entry deleted] & RU PU & [deletion] pull rods. Replace broken rod & hang back on. Started pumping. SD RDPU

12-19-00 move motor ["motor" is a correction. Original entry deleted.] off CPU #30[written over] to Cave [illeg]. Started to pump.

12-20-00 move elec motor to State 2. Started pumping. Move PU to CPU tank batter. Sd

12-21-00 Move electric motor to Cave St #2. [illeg]

[END OF LOGUE]



## MARKS AND GARNER

WELL NAME :		CAVE POOL UNIT NO.1 SWAB DATA			
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	T	0	0		0
Sep-00	P	2	5	0	1
Oct-00	P	1	3	0	1
Nov-00	P	3	5	0	1
Dec-00	P	8	15	0	2
Jan-01	P	10	16	0	3
Feb-01	P	5	6	0	2
Mar-01	P	2	5	0	2
Apr-01	P	3	9	0	5
May-01	P	2	8	0	5
Jun-01	P	1	3	0	1
Jul-01	P	2	3	0	1
Aug-01	P	4	9	0	5
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758 OCP 8-30-02 S-3

MARKS AND GARNER

WELL NAME :	CAVE POOL UNIT NO.3			
DATE:	CODE	SWAB DATA		
		BO	BW	MCF
				DAYS
Aug-00	T	0	0	0
Sep-00	P	1	3	0
Oct-00	P	1	2	0
Nov-00	P	4	5	0
Dec-00	P	7	10	0
Jan-01	P	10	16	0
Feb-01	P	4	8	0
Mar-01	P	4	4	0
Apr-01	P	7	18	0
May-01	P	7	18	0
Jun-01	P	3	5	0
Jul-01	P	3	5	0
Aug-01	P	4	11	0
Sep-01				
Oct-01				
Nov-01				
Dec-01				

12758 S-4  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME :	CAVE POOL UNIT NO.12 SWAB DATA				
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	T	0	0	0	0
Sep-00	P	2	4	0	1
Oct-00	P	1	2	0	1
Nov-00	P	6	10	0	1
Dec-00	P	9	15	0	2
Jan-01	P	11	19	0	3
Feb-01	P	6	12	0	8
Mar-01	P	3	5	0	8
Apr-01	P	6	23	0	8
May-01	P	6	23	0	8
Jun-01	P	2	6	0	3
Jul-01	P	2	6	0	3
Aug-01	P	5	12	0	3
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758 5-5  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME :		CAVE POOL UNIT NO.14 SWAB DATA				
DATE:	CODE	BO	BW	MCF	DAYS	
Aug-00	T	0	0	0	0	
Sep-00	P	3	5	0	1	
Oct-00	P	1	3	0	1	
Nov-00	P	7	18	0	1	
Dec-00	P	11	25	0	3	
Jan-01	P	14	34	0	8	
Feb-01	P	4	18	0	6	
Mar-01	P	3	8	0	6	
Apr-01	P	4	12	0	6	
May-01	P	3	11	0	6	
Jun-01	P	2	8	0	3	
Jul-01	P	3	8	0	3	
Aug-01	P	3	7	0	5	
Sep-01						
Oct-01						
Nov-01						
Dec-01						

12758 5-6  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME :		CAVE POOL UNIT NO.16			
		SWAB DATA			
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	T	0	0	0	0
Sep-00	P	3	4	0	1
Oct-00	P	2	2	0	1
Nov-00	P	5	11	0	1
Dec-00	P	13	24	0	5
Jan-01	P	18	39	0	9
Feb-01	P	5	11	0	6
Mar-01	P	3	7	0	6
Apr-01	P	8	14	0	6
May-01	P	8	14	0	6
Jun-01	P	1	1	0	1
Jul-01	P	2	6	0	1
Aug-01	P	5	9	0	5
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758 S-7  
OED 8-30-02

MARKS AND GARNER

WELL NAME :		CAVE POOL UNIT NO.19			
		SWAB DATA			
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	T	0	0	0	0
Sep-00	P	4	6	0	1
Oct-00	P	2	2	0	1
Nov-00	P	11	25	0	1
Dec-00	P	8	22	0	8
Jan-01	P	11	28	0	10
Feb-01	P	8	16	0	13
Mar-01	P	2	8	0	13
Apr-01	P	11	32	0	13
May-01	P	11	32	0	13
Jun-01	P	3	5	0	2
Jul-01	P	3	5	0	2
Aug-01	P	3	18	0	2
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758 5-8  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME :	CAVE POOL UNIT NO.30			
DATE:	CODE	BO	BW	MCF
Aug-00	T	0	0	0
Sep-00	P	2	3	0
Oct-00	P	1	2	0
Nov-00	P	3	9	0
Dec-00	P	3	12	0
Jan-01	P	7	23	0
Feb-01	P	4	19	0
Mar-01	P	3	11	0
Apr-01	P	4	19	0
May-01	P	3	18	0
Jun-01	P	1	3	0
Jul-01	P	2	3	0
Aug-01	P	6	13	0
Sep-01				
Oct-01				
Nov-01				
Dec-01				

12758 5-9  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME :	CAVE POOL UNIT NO.32 SWAB DATA				MCF	DAYS
	DATE:	CODE	BO	BW		
Aug-00	T		0	0	0	0
Sep-00	P		2	4	0	1
Oct-00	P		1	3	0	1
Nov-00	P		4	12	0	1
Dec-00	P		4	9	0	12
Jan-01	P		10	34	0	12
Feb-01	P		6	19	0	5
Mar-01	P		3	2	0	5
Apr-01	P		5	12	0	5
May-01	P		5	12	0	5
Jun-01	P		2	5	0	5
Jul-01	P		2	5	0	5
Aug-01	P		4	11	0	5
Sep-01						
Oct-01						
Nov-01						
Dec-01						

12758  
5-10-  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME :		CAVE POOL UNIT NO.41 SWAB DATA			
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	T	0	0	0	0
Sep-00	P	3	5	0	1
Oct-00	P	1	2	0	1
Nov-00	P	4	18	0	1
Dec-00	P	4	14	0	13
Jan-01	P	10	42	0	13
Feb-01	P	4	9	0	6
Mar-01	P	3	1	0	6
Apr-01	P	6	23	0	6
May-01	P	6	23	0	6
Jun-01	P	2	7	0	6
Jul-01	P	2	7	0	6
Aug-01	P	8	10	0	6
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758  
5-11  
000  
8-30-02

MARKS AND GARNER

WELL NAME	CAVE POOL UNIT NO.51 SWAB DATA					
DATE:	CODE	BO	BW	MCF	DAYS	
Aug-00	T	0	0	0	0	
Sep-00	P	2	3	0	1	
Oct-00	P	1	3	0	1	
Nov-00	P	4	14	0	1	
Dec-00	P	3	19	0	8	
Jan-01	P	11	22	0	8	
Feb-01	P	5	11	0	11	
Mar-01	?	?	?	?	?	
Apr-01	?	?	?	?	?	
May-01	?	?	?	?	?	
Jun-01	?	?	?	?	?	
Jul-01	?	?	?	?	?	
Aug-01	?	?	?	?	?	
Sep-01						
Oct-01						
Nov-01						
Dec-01						

12758  
5-12  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME	CAVE POOL UNIT NO.53			
	SWAB DATA			
DATE:	CODE	BO	BW	MCF
Aug-00	T	0	0	0
Sep-00	P	2	2	0
Oct-00	P	1	2	0
Nov-00	P	3	9	0
Dec-00	P	6	19	0
Jan-01	P	7	28	0
Feb-01	P	4	15	0
Mar-01	P	3	11	0
Apr-01	P	8	22	0
May-01	P	8	22	0
Jun-01	P	2	6	0
Jul-01	P	3	6	0
Aug-01	P	4	11	0
Sep-01				
Oct-01				
Nov-01				
Dec-01				

12758 5-13  
OCD  
Holding time 8:30 02

WELL NAME	RED TWELVE LEVERS NO. 6				
	SWAB DATA				
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	S	0	0	0	0
Sep-00	P	1	2	0	1
Oct-00	P	1	1	0	1
Nov-00	P	9	23	0	2
Dec-00	P	12	22	0	11
Jan-01	P	4	11	0	2
Feb-01	?	?	?	?	?
Mar-01	?	?	?	?	?
Apr-01	P	1	1	0	1
May-01	P	1	1	0	1
Jun-01	P	1	1	0	1
Jul-01	P	1	1	0	1
Aug-01	P	1	1	0	1
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758 S-14  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME	RED TWELVE LEVERS 8Q SWAB DATA				
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	T	0	0	0	0
Sep-00	P	2	6	0	2
Oct-00	P	1	2	0	1
Nov-00	P	9	34	0	5
Dec-00	P	12	28	0	4
Jan-01	P	4	1	0	2
Feb-01	P	2	2	0	1
Mar-01	P	3	2	0	1
Apr-01	P	3	2	0	1
May-01	P	3	2	0	1
Jun-01	P	1	0	0	1
Jul-01	P	1	0	0	1
Aug-01	P	1	0	0	1
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758

5-15

OCD

8-30-02

MARKS AND GARNER

WELL NAME	RED TWELVE LEVERS 12	SWAB DATA			MCF	DAYS
DATE:	CODE	BO	BW			
Aug-00	T	0	0		0	0
Sep-00	P	2	5		0	1
Oct-00	T	1	3		0	1
Nov-00	P	6	17		0	5
Dec-00	P	10	19		0	3
Jan-01	P	3	4		0	3
Feb-01	P	2	3		0	1
Mar-01	P	2	3		0	1
Apr-01	P	2	3		0	1
May-01	P	2	3		0	1
Jun-01	P	1	0		0	1
Jul-01	P	1	0		0	1
Aug-01	P	1	0		0	1
Sep-01						
Oct-01						
Nov-01						
Dec-01						

12758 5-16  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME	STATE NO.2				
	SWAB DATA				
DATE:	CODE	BO	BW	MCF	DAYS
Aug-00	S	0	0	0	0
Sep-00	P	2	0	0	2
Oct-00	P	2	0	0	2
Nov-00	P	2	0	0	5
Dec-00	P	1	22	0	1
Jan-01	P	1	0	0	1
Feb-01	P	2	0	0	2
Mar-01	P	4	0	0	2
Apr-01	P	3	0	0	3
May-01	P	3	0	0	3
Jun-01	P	1	0	0	1
Jul-01	P	1	0	0	1
Aug-01	P	1	0	0	1
Sep-01					
Oct-01					
Nov-01					
Dec-01					

12758 S-17  
OCD  
8-30-02

MARKS AND GARNER

WELL NAME	THEOS STATE NO.1			
	DATE:	CODE	SWAB DATA	
			BO	BW
				MCF
				DAYS
Aug-00	T	0	0	0
Sep-00	P	2	1	0
Oct-00	P	1	1	0
Nov-00	P	9	19	0
Dec-00	P	7	15	0
Jan-01	P	3	5	0
Feb-01	P	1	1	0
Mar-01	P	1	1	0
Apr-01	P	2	1	0
May-01	P	5	2	0
Jun-01	P	1	0	0
Jul-01	P	1	0	0
Aug-01	P	1	0	0
Sep-01				
Oct-01				
Nov-01				
Dec-01				

12758 5-18  
OCD 8-30-02