

1 STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
2 OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
3 SANTA FE, NEW MEXICO

4 3 October 1984

5 EXAMINER HEARING

6  
7 IN THE MATTER OF:

8 Application of Doyle Hartman for  
reinstatement of cancelled under-  
9 production, Lea County, New  
Mexico.

CASE  
8360

10  
11 BEFORE: Gilbert P. Quintana, Examiner

12  
13 TRANSCRIPT OF HEARING

14  
15  
16 A P P E A R A N C E S

17  
18 For the Oil Conservation  
19 Division:

Jeff Taylor  
Attorney at Law  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

20  
21  
22 For the Applicant:  
23  
24  
25

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

MR. QUINTANA: We'll call next  
Case 8360.

MR. TAYLOR: The application of  
Doyle Hartman for the reinstatement of cancelled  
underproduction, Lea County, New Mexico.

The applicant has asked that  
this case be continued until October 17th.

MR. QUINTANA: Case 8360 will  
so be continued until October 17th, 1984.

(Hearing concluded.)

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 8360 heard by me on Oct. 3 1984.

Gilbert P. Quintana, Examiner  
Oil Conservation Division

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO

17 October 1984

EXAMINER HEARING

IN THE MATTER OF:

Application of Doyle Hartman for  
the reinstatement of cancelled  
underproduction Lea County, New  
Mexico.

CASE  
8361

BEFORE: Gilbert P. Quintana, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Jeff Taylor  
Attorney at Law  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

MR. QUINTANA: We'll call next Case 8361.

MR. TAYLOR: The application of Doyle Hartman for the reinstatement of cancelled underproduction, Lea County, New Mexico.

Applicant has also requested that this case be continued.

MR. QUINTANA: Case 8361 will be continued until October 31, 1984.

(Hearing concluded.)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 8361, heard by me on Oct. 17 1984.

Gilbert P. Quintana Examiner  
Oil Conservation Division

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO

31 October 1984

EXAMINER HEARING

IN THE MATTER OF:

Application of Doyle Hartman for                   CASE  
the reinstatement of cancelled                   8361  
underproduction, Lea County, New  
Mexico.

BEFORE: Michael E. Stogner, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation                   Jeff Taylor  
Division:                                    Attorney at Law  
  Legal Counsel to the Division  
  State Land Office Bldg.  
  Santa Fe, New Mexico 87501

For the Applicant:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

MR. STOGNER: Call next Case  
Number 8361.

MR. TAYLOR: Application of  
Doyle Hartman for the reinstatement of cancelled  
underproduction, Lea County, New Mexico.

The applicant has requested  
that this case be continued.

MR. STOGNER: Case Number 8361  
will also be continued to the Commission Hearing scheduled  
for December 12, 1984.

(Hearing concluded.)



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY  
that the foregoing Transcript of Hearing before the Oil Con-  
servation Division was reported by me; that the said tran-  
script is a full, true, and correct record of the hearing,  
prepared by me to the best of my ability.

Sally W. Boyd CSR

10/31/84  
Michael P. Stegner  
Oil Conservation Division  
8361  
1984

1  
2 STATE OF NEW MEXICO  
3 ENERGY AND MINERALS DEPARTMENT  
4 OIL CONSERVATION DIVISION  
5 STATE LAND OFFICE BUILDING  
6 SANTA FE, NEW MEXICO

7  
8 12 December 1984

9 COMMISSION HEARING

10 IN THE MATTER OF:

11 Application of Doyle Hartman  
12 for the reinstatement of can-  
13 celled underproduction, Lea  
14 County, New Mexico.

CASE  
8359, 8360,  
8361, 8425

15 BEFORE: Richard L. Stamets, Chairman  
16 Commissioner Ed Kelley

17 TRANSCRIPT OF HEARING

18 A P P E A R A N C E S

19  
20 For the Oil Conservation  
21 Division:

22 For the Applicant:

23 William F. Carr  
24 Attorney at Law  
25 CAMPBELL AND BLACK P.A.  
P. O. Box 2208  
Santa Fe, New Mexico 87501

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

I N D E X

LARRY NERMYR

Direct Examination by Mr. Carr	6
Cross Examination by Mr. Stamets	19

DANIEL S. NUTTER

Direct Examination by Mr. Carr	23
Cross Examination by Mr. Stamets	71
Cross Examination by Mr. Kelley	72
Redirect Examination by Mr. Carr	75

WILLIAM P. AYCOCK

Direct Examination by Mr. Carr	76
--------------------------------	----

STATEMENT BY MR. CARR	87
-----------------------	----

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

3

E X H I B I T S

CASE 8361

Hartman Exhibit One, Spread Sheet	26
Hartman Exhibit Two, Illustration	32
Hartman Exhibit Three, Computer Plot	35
Hartman Exhibit Four, Graphs	37

CASE 8425

Hartman Exhibit One, Spread Sheet	39
Hartman Exhibit Two, Illustration	44
Hartman Exhibit Three, Computer Plot	45
Hartman Exhibit Four, Graphs	47

CASE 8360

Hartman Exhibit One, Spread Sheet	48
Hartman Exhibit Two, Illustration	52
Hartman Exhibit Three, Computer Plot	53
Hartman Exhibit Four, Graphs	54

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

E X H I B I T S

CASE 8359

Hartman Exhibit One, Spread Sheet	14 (56)
Hartman Exhibit Two, Illustration	62
Hartman Exhibit Three, Computer Plot	63
Hartman Exhibit Four, Graphs	63

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

MR. STAMETS: We'll go back, then, and call Case 8359.

Application of Doyle Hartman for the reinstatement of cancelled underproduction, Lea County, New Mexico.

MR. CARR: May it please the Commission, my name is William F. Carr, with the law firm Campbell and Black, P. A., of Santa Fe, appearing on behalf of Mr. Hartman.

At this time we would request that this case be consolidated for purposes of hearing with Cases 8360, 8361, and 8425.

MR. STAMETS: We will call those additional cases. Each one has the same style as the first case called.

Is there any objection to consolidation of these cases?

They will be consolidated, then, for purposes of testimony.

You may proceed when ready.

MR. CARR: May it please the Commission, we have three witnesses who need to be sworn.

MR. STAMETS: I'd like to have each witness stand and be sworn at this time.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

(Witnesses sworn.)

MR. CARR: We first call Mr. Nermyr.

LARRY NERMYR,  
being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. CARR:

Q Will you state your full name and place of residence?

A My name is Larry Nermyr, and Midland, Texas is my residence.

Q Mr. Nermyr, by whom are you employed and in what capacity?

A I'm employed by Doyle Hartman as an engineer.

Q Have you previously testified before this Commission or one of its examiners and had your credentials accepted and made a matter of record?

A Yes, I have.

Q And at that time you were qualified as an engineer?

A Yes.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

Q           Would you summarize generally your duties with Mr. Hartman?

A           I look after the day to day operations of his oil operations and also look after the drilling and completing of his wells, and do some regulatory work and administrative work in the office.

Q           And you're employed in-house by Mr. Hartman?

A           Yes.

Q           Are you familiar with each of the wells which are the subject of today's hearing?

A           Yes, I am.

Q           Are you familiar with the applications filed in each of these cases for Mr. Hartman?

A           Yes, I am.

MR. CARR:   Are the witness' qualifications acceptable?

MR. STAMETS: They are.

Q           Mr. Nermyr, would you briefly state what Mr. Hartman seeks with each of these applications?

A           Mr. Hartman requests reinstatement of cancelled allowable for certain wells in Lea County, New Mexico.

Q           Are you aware as part of your job and part of your duties when wells operated by Mr. Hartman are, in fact, shut in?

A           Yes, I am. I take a daily production re



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

port from our field foreman every morning and at that time they advise me of the status of all the wells in the field, and if something happens where a large amount of them are shut in or something during one day, he'll also notify me during the day, and we also have field people that inspect the wells on a daily basis to determine if they're producing properly or shut in, what their status is.

So we know on a daily basis what each well is doing.

Q How long have you been employed by Mr. Hartman?

A For five years.

Q During this period of time has there been any general trend in the frequency of the shutting in of wells operated by Mr. Hartman?

A Yes. Prior to May in 1982 the wells were very seldom shut in and after May, 1982, there's been quite a bit of shut-in time because of the market for gas.

Q Since '82 how would you describe the general situation concerning the days that Mr. Hartman's had wells actually producing?

A Well, since 1982 the shut-ins have been quite significant and at times they've been quite severe.

Q What control does Mr. Hartman have as operator of these wells over the actual shutting in of the wells?

A We feel we have very little control over

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

the wells that are shut in because El Paso determines which wells will be shut in and when they'll be shut in and when they'll be turned back on again, and because of this we feel we have very little control over it.

Q If you're displeased with an order to shut in a well what course of action is available to Mr. Hartman as operator of the well?

A We are generally contacted by the dispatcher when the wells are to be shut in and he really doesn't have any say on which wells are shut in or how long they're shut in. He just tells us that he operates off of a list that he receives from their production people, and so in order to really have any complaint we have to go to El Paso's supervisors, and we've done this. Generally they've told us that they feel that everything is being shut in and treated fairly.

Q As operator do you feel that you have any real control as to the overproduced or the underproduced status of any individual well?

A No, we don't, because we're told when we can turn the wells on and produce them and when we can't, and because of this sometimes if a well is getting way under produced and we can't turn it on, we have no way of making up the production that it should be making.

And, also, if a well is being produced and it's being overproduced we really didn't feel that we could shut it in because it might be shut in by El Paso on

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

several days and be shut in for a long period of time and then it will get underproduced, too. So we just -- we had to produce the wells that were allowed to be produced.

Q During your time with Mr. Hartman, has the shutting of gas wells been of major concern?

A Yes. We've always made an effort to keep all our wells producing all the time. We feel that the shutting in of wells for any length of time at all might result in formation damage and reduce the amount of recoverable reserves, and this is the reason that we have people that visit the wells on a daily basis, to be sure they're producing properly.

And also any wells that are making fluid or anything, we put pumping units on them to keep them pumping all the time to keep the fluid off the formation and keep the well producing good.

And if we have any problems, well, we start correcting immediately in order to minimize the time the well was down.

Q Would you identify for the Commission the wells which are involved in the hearing today?

A We've determined that four leases have suffered more production loss than should be normal and that's the Late Thomas Lease with Wells 1, 2, and 3; the Shell State Lease with Wells 2 and 5; the Custer State Lease, Well No. 1; and the Maralo State Lease, Well No. 1.

Q Would you look at the -- address the Mar-

1  
2 also Lease and just summarize the kinds of efforts that Mr.  
3 Hartman has made to keep the wells on that lease producing.

4 A Okay. In November of 1983 when we were  
5 reviewing our production and shut-in status, and everything,  
6 we determined that we thought the Maralo Lease had been  
7 shut-in more than normal, and we made several telephone  
8 calls about that time to El Paso Natural Gas to discuss our  
9 concern with this well being shut-in more than what we fig-  
10 ured it should have been, and we really don't feel that we  
11 got the relief that we needed for the well.

12 Q Mr. Nermyr, has it been Mr. Hartman's  
13 policy to cooperate with the purchaser in the shutting in of  
14 gas wells?

15 A Yes, I feel that Mr. Hartman's policy has  
16 always been to cooperate with El Paso in the shutting in of  
17 wells.

18 All the wells that covered by Group 1 and  
19 2, as outlined in Joe Ramey's letter dated February 18,  
20 1983, these are shut in by field people without consulting  
21 us. They just shut them in and then reported afterwards.

22 And if we're asked to shut in wells in  
23 Groups 3, 4, 5, or 6, they usually call me and ask me about  
24 it prior to shutting them in.

25 Several times, if we've thought that our  
wells were being shut in when they shouldn't have been we've  
discussed it with El Paso people but we've never refused to  
shut a well in when we have orders to do so.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

Q Is it fair to say that because of this cooperation you have found these wells in this confronted with the problem that you have here today?

A Yes. We feel that being asked to shut in these wells that we've mentioned here has resulted i the loss of the production and we feel that that was the direct cause of it.

Q Why were these applications not brought before the Commission until this time?

A Well, we spent quite a bit of time looking at it and it took awhile for the situation to develop and we gathered a lot of information and put it on our computer so we could analyze it properly, and this all took time and just took us this long to get it prepared and to decide what to do.

Q Are you generally familiar with the pro-ration rules?

A Yes.

Q Is the production that we're talking about here today production that could have been reinstated under Rule 16-A had a request or data been provided within fifteen days?

A Yes. We probably could have wrote a letter within fifteen days if we'd have decided or we would have determined that it should have been done and according to the rule we believe that it probably would have been re-instated at that time.

1  
2 Q During that fifteen day period did you  
3 have the data necessary to come forward to the Commission?

4 A We didn't have the data gathered and ana-  
5 lyzed in such a process that we could really determine that  
6 this is what action we needed to take.

7 Q Mr. Nermyr, have you encountered previous  
8 problems with allowables for any of the wells which are the  
9 subject of this hearing, and I'm talking here about problems  
10 that required correcting the assignment of an allowable?

11 A Yes. We had a problem with the Late  
12 Thomas Lease, the Wells 1, 2, and 3.

13 Wells 2 and 3 were drilled on this 320-  
14 acre proration unit and at the time that they were put on  
15 the proration unit was given an acreage factor of 160 acres  
16 rather than the 360 acres that's continued for several  
17 months and we wrote a letter to the Oil and Gas Commission  
18 and got this straightened out and we got our allowable rein-  
19 stated at that time.

20 MR. CARR: May it please the  
21 Commission, the way the exhibits have been marked is there  
22 are three or four exhibits and they've been marked as separ-  
23 ate exhibits in each of the cases, and so for the next sev-  
24 eral questions I'm simply going to refer to Exhibit One,  
25 which is marked Exhibit One in Case 8360.

MR. STAMETS: We need to  
straighten the exhibits out, Bill.

MR. CARR: Okay.

1  
2 MR. STAMETS: I've got a whole  
3 stack of 8425.

4 MR. CARR: Okay, they haven't  
5 been collated, Dick.

6 MR. STAMETS: Yeah.

7 MR. CARR: Okay, we can sort  
8 those out right now.

9 Could we go off the record for  
10 a minute?

11 MR. STAMETS: Yeah, let's do  
12 that.

13 (Thereupon a brief recess was taken.)

14 MR. STAMETS: All right, we can  
15 go back on the record, Sally.

16 Q Mr. Nermyr, would you refer to what's  
17 been marked Exhibit Number One in Case 8359? And what I'd  
18 like you to do is go across the columns that are depicted  
19 across the top of this exhibit and simply state what they  
20 are and identify the source of that -- of the data.

21 A Okay. In the first group there, the pro-  
22 duction month is the month that this production refers to.

23 Column two is the graph month; it just  
24 numbers the lines going down.

25 Q And that's for the months as depicted on  
Exhibit Number Three in each of these packets.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

A Yes.

Q Okay.

A Column number three is the monthly allowable that was assigned that month for a nonmarginal well in this proration unit with an acreage factor of one.

The next column is the monthly allowable that would have been assigned to a well with the same acreage factor as thee wells have.

Q So in this case the Maralo State No. 1 would have an acreage factor of .5.

A Yes.

Q Okay.

A The next figure is the --

MR. STAMETS: I'm sorry, I didn't understand that at all. We were talking about the Late Thomas Well.

MR. CARR: Well, I'm looking at Exhibit Number One in Case 8360.

MR. STAMETS: I thought we started with 8359.

MR. CARR: Did I refer to 8360?

THE REPORTER: No, 8359.

MR. CARR: All right.

A The monthly allowable has an acreage factor of 2 because the Late Thomas Lease has a 320-acre proration unit.

MR. STAMETS: Are you just



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

showing the acreage factor of 1 as a reference point or is there some reason for showing that?

A Yes, just as a reference point for this pool --

MR. STAMETS: Okay.

A -- during this month.

Q Then the acreage factor of 2 as shown here is for the Late Thomas wells and they have an acreage factor of 2 because they have twice the --

A Yes.

Q -- standard or the 160-acre allowed acreage.

A That's right.

Q All right.

A The next column is the actual monthly production from this lease.

The next --

Q And what is the source of that figure?

A This figure comes from El Paso's, or the purchaser's statement that they send us every month of gas that they have purchased from the well.

Q All right.

A Or from the lease.

Q Then the next column?

A The next column is the weighted average of the days produced.

Q Okay.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

A           The next column is the monthly over/under production for this lease.

          And the next column is the cumulative over/under production for this lease.

Q           Okay.

A           Now, these figures here are all figures that we have gathered for information, both from our field people as to the days produced and the rest of the figures are information that we have generated in-house.

          The next column is the monthly allowable as given in New Mexico's oil and gas proration book that they issue every month, and the amount redistributed is also from that figure.

          The next is the monthly production as reported in their proration book, the monthly over and under, the cumulative over and under; the status that the well's being carried at, whether it's a marginal or nonmarginal well.

          And the last column is the difference between what we calculated in our in-house figures and what the Oil and Gas Commission shows in their proration book.

Q           Now, Mr. Nermyr, did you assist in the compilation of this data?

A           Yes, I did.

Q           And this is a correct representation of the information that you have on -- in this case, the wells from the Late Thomas Lease?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

A Yes, it is.

Q And you've done the same thing for each of the leases which are the subject of hearing today?

A Yes.

Q Do you have anything further to add to your testimony?

A No.

MR. CARR: That's all I have of Mr. Nermyr, Mr. Stamets.

CROSS EXAMINATION

BY MR. STAMETS:

Q Mr. Nermyr, looking at the Exhibit One in Case 8359, it's on the Late Thomas, at the monthly allowable, first we have the column that you have calculated and the second monthly allowable is the one that is from the Oil Conservation Division proration schedule, and there are different numbers there until we get down to August of 1982, and then they seem to be -- well, yeah --

A This is what --

Q -- I'm confused as to what we're looking at here. The -- in your situation you calculated what the allowable would be if it had been classified as nonmarginal through that entire period.

A Yes.

Q All right. Now let's go back to the beginning of this thing, back to 1981.

1  
2 I presume at that time then these wells  
3 must have been determined to have been marginal and that was  
4 the marginal allowable that they received?

5 A The Late Thomas Well No. 1 was an old  
6 well and it was marginal and it had this 320-acre proration  
7 unit, and so it was being classified as a marginal well.

8 Q Okay. I see that working, then, when we  
9 get into the one, two, three, fourth line down in the OCC  
10 monthly allowable, because if you trace that across -- well,  
11 actually the third line down -- because if you trace that  
12 across and up, too, to the monthly production, you see that  
13 the monthly allowable is the monthly production from two  
14 months ago.

15 A Yes, that's correct.

16 Q All right. Now in 1981 you did not have  
17 nonmarginal production, is that correct?

18 A We didn't have nonmarginal production un-  
19 til Wells No. 3 and No. 2 were put on line and after they  
20 were put on line our wells exceeded the marginal, so they  
21 were in a position where they could be classified as nonmar-  
22 ginal.

23 Q When was that?

24 A The first well was put on in October 23rd,  
25 which was Well No. 3.

Q October 23 what year?

A 1981.

MR. CARR: Those are set out at

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

the top of the exhibit, Mr. Stamets, in the center, first --

Q Okay.

A And the Late Thomas No. 2 was put on line November 3th, 1981.

Q Just looking at the volumes of production which were reported, I don't see that the well approached a nonmarginal status, or the unit approached nonmarginal status, until April of 1982, looking at the monthly allowable which would be for that proration unit in your lefthand column. I see 25892. I see monthly production -- well, all right, again there's confusion.

I don't understand why our production in the righthand column is so much less than your production in the lefthand column.

Do you have an explanation for that?

A Yes. This is what I was talking about when I mentioned that we had corrected some of these production and allowables from the Late Thomas by writing a letter. This -- we had confusion, both in proration unit size and allowables, when we first got these Wells No. 2 and 3 on, and it took us a little bit there to get it straightened out where everybody was showing the proration unit of 320 acres.

Q Well, do you know if the production for all the Late Thomas wells was ever properly credited to that proration unit for the October '81 through March of '82 period?

1  
2           A           I think it was. As far as we could tell  
3 it was, yes.

4           Q           So what we're looking at here as far as  
5 published CCC status, that is what the situation was at that  
6 time, but that situation has been corrected.

7           A           Yes.

8           Q           Okay. Now, when we come down to the cum  
9 under/over. I can check that real quickly. I've got a copy  
10 of the November, 1984, gas proration schedule for southeast  
11 New Mexico.

12                       Looking at the Late Thomas, they show  
13 overage of 70.6-million, more or less. Your figures, which  
14 cut off in October have 58-million, so I would assume that  
15 those figures must be reasonably close.

16           A           Yes. If you notice the figure for  
17 September is 70-million .6175.

18           Q           Now, are you telling me that this lease,  
19 Late Thomas 1, 2, and 3, should have been reclassified as  
20 nonmarginal beginning in October of 1981 and should have  
21 continued as nonmarginal through that entire period through  
22 October, 1984?

23           A           Yes, that's what we feel should have  
24 been.

25           Q           And I would just observe, looking at the  
-- at the production which is reported from time to time on  
that lease, like, for example, in November and December of  
1982, there was production which was in excess of any of the

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

calculated nonmarginal allowables for that -- the entire period we're talking about here.

A Yes.

Q And does that demonstrate that those wells were indeed capable of producing a nonmarginal allowable throughout that period?

A Yes, that's what we feel it indicates that they were and they were allowed to produce just about the full months for those two (not clearly understood).

Q As a matter of fact, there was a long period of time in December of '83 through June of 1984 when there was substantial production from those -- those wells, indicating, I would assume, that that was not just a pressure build-up causing that extra production.

A Yes. They were capable of producing that.

Q Now, we have the same exhibit in each of the cases, is that correct?

A Yes.

Q I'd like to take just a little time to review those others.

MR. CARR: That would be fine. Mr. Stamets, we will call Dan Nutter as a witness who will review each of these exhibits with you in detail.

MR. STAMETS: Okay.

MR. CARR: We also will then call Mr. Aycock, who will present testimony on the ability

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

of these wells to produce over the period of time as a non-marginal well, whether or not they were shut in or not.

MR. STAMETS: All right, then I won't take any time right now.

Any other questions of Mr. Nermyr?

He may be excused.

MR. CARR: At this time we call Mr. Nutter.

DANIEL S. NUTTER,

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. CARR:

Q Would you state your full name and place of residence?

A My name is Dan Nutter. I live in Santa Fe, New Mexico.

Q Mr. Nutter, by whom are you employed?

A I'm a Consulting Engineer.

Q And you're employed in this case by Mr. Hartman?

A I've been retained by Mr. Hartman in these cases.

Q Mr. Nutter, would you briefly summarize



1  
2 your educational background and your work experience?

3 A Yes. I have a Bachelor of Science in  
4 petroleum engineering degree from the New Mexico School of  
5 Mines, now New Mexico Institute of Mining and Technology, at  
6 Socorro, New Mexico; graduated there in 1952.

7 Subsequent to that time I was employed by  
8 Phillips Petroleum Company until 1954, when I came to work  
9 for the New Mexico Oil Conservation Commission.

10 I worked for the Commission from Septem-  
11 ber 1, 1954, through December 31st, 1982, at which time left  
12 the Commission and have subsequently been employed as a con-  
13 sulting petroleum engineer.

14 Q While with the Commission did you have an  
15 opportunity to become familiar with the New Mexico system of  
16 prorating natural gas?

17 A Yes, sir, I sure did.

18 Q And what were your duties in regard to  
19 the prorating system?

20 A General supervision of gas prorating.

21 Q Are you familiar with each of the wells  
22 which are the subject of today's hearing?

23 A Yes, I am.

24 Q And are you familiar with the applica-  
25 tions filed in these cases on behalf of Mr. Hartman?

A Yes, I am.

MR. CARR: Are the witness'  
qualifications acceptable?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

MR. STAMETS: They are.

Q Mr. Nutter, would you briefly describe what Doyle Hartman is seeking here today?

A Yes. These cases involve four proration units. They're all presently classified as nonmarginal.

Mr. Hartman is seeking the continued classification of the four proration units in the Jalmat Pool as nonmarginal.

He's also seeking the assignment of certain previously unproduced allowable to these wells.

Q Basically why is Mr. Hartman seeking the reinstatement of this previous underage?

A We believe that all four of the units involved in the hearing today are not only properly classified by the marginal -- by the Division now as nonmarginal, but that they have been nonmarginal character all along, and that the only reason for having been previously classified as marginal was because of excessive shut-in time by the pipeline, due to lack of market.

Q Will your exhibits show that the -- what the takes from the wells have been and how they got classified as marginal?

A Yes, they will. I believe that we can show that each of these proration units is capable of producing in excess of nonmarginal allowables today, which is relatively easy because of the depressed market, but also, they will demonstrate this same ability to produce in excess

1  
2 of nonmarginal allowables existed before the market deter-  
3 iorated and before the allowables got so low.

4 Q Mr. Nutter, with this in mind, I'd like  
5 you now to refer to the exhibits, and I think we'll take  
6 them out of the order the cases were advertised, and first  
7 I'm ask you to refer to Exhibit One in Case 8361, which  
8 covers the Custer State Lease.

9 A Okay, we've got Case Number 8361 and the  
10 Custer State.

11 The first exhibit is the spreadsheet,  
12 which Mr. Nermyr was discussing with Mr. Stamets a few mo-  
13 ments ago.

14 We'll see that this Custer State Well No.  
15 1 had it's first delivery on December 27th, 1979. The well  
16 came on with an acreage factor of .5, having 80 acres dedi-  
17 cated to it, and during its first months of production pro-  
18 duced 8770 against a nonmarginal allowable of 6626.

19 The subsequent production from the well  
20 was mostly in excess of the allowable. You'll see that it  
21 carries in the -- in the column on the left side of the  
22 spreadsheet, the assumed constant nonmarginal status, and  
23 also the monthly over/under production in the published OCC  
24 status.

25 You'll see that most of the months pro-  
26 ductions are followed by a minus sign, meaning that the well  
27 overproduced an allowable. It built up considerable amount  
28 of overproduction.

1  
2           There appears to be a difference in the  
3 cumulative overproduction at the top of the sheet. We show  
4 that the well had 2144 overproduction at the end of Feb-  
5 ruary, while the Commission's records showed that it was  
6 2588 underproduced.

7           Now, these spreadsheets right here, the  
8 study started, as far as Hartman's computer is concerned, on  
9 this particular lease with February of 1980. So this is  
10 cumulative under or over production from February, 1980.  
11 It's not the true over/under production as reflected by the  
12 Commission's records.

13           The Commission shows that in December of  
14 1979 and in January of 1980 the well had accumulated 2588  
15 Mcf of underproduction, whereas since our study starts with  
16 February of 1980, the well is immediately overproduced.

17           So you'll have approximately 45 to 4700  
18 feet of difference, cubic feet of difference. We're showing  
19 more overproduction than the Commission would show on this  
20 particular well, because its records go back a little fur-  
21 ther than ours do, and its records go back into an underpro-  
22 duced time in the life of the well.

23           So you've got that 4500 or 4700 cubic  
24 feet -- Mcf difference all the way through.

25           But you'll notice that the well was over-  
producing its allowable through the entire first proration  
period beginning in April of 1980 through March of 1981.

And for the second proration period, from

1  
2 April of '81 to March of '82, the well was still mostly --  
3 the well was underproduced. This was an effort by El Paso  
4 and Mr. Hartman to work off the overproduced status of the  
5 well. This was voluntary and this was prior to the time  
6 that the market collapsed.

7 So you'll see that the overproduction un-  
8 der the Commission's records went from -- at March of 1981  
9 it had a -9704 overproduction, and by January of 1982 they  
10 had worked the well down to where it had an underproduced  
11 status of 55.

12 So they were getting the well back into  
13 balance. Mr. Hartman and Mr. El -- Mr. Hartman and the El  
14 Paso pipeline were both working to get these wells -- you'll  
15 see this in all of these wells as we go through the exhi-  
16 bits. They were all in an overproduced status in that per-  
17 iod of time and there was an effort to bring them back into  
18 balance.

19 By the time they brought them back into  
20 balance and got them into an underproduced state was when  
21 the market collapsed, and they -- they had underproduction  
22 at that time.

23 So the collapsed market just increased  
24 the problem as far as the underproduction was concerned.

25 Now you'll see that the well had good  
producing days until the market did collapse and the --  
about mid-1982 it had produced almost constantly for the  
full 30 or 31 days each month, until June of 1982. The pro-

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

duction only dropped down to 20 days on line.

In July, 9 days; August, 24 days; and September, 19 days.

Now that was the disaster that hit the well because the average allowable for a nonmarginal well in July, August, and September, those months had an allowable of 5613, 5613, and 5432, for an average allowable of 5553.

Now if a well does not -- if the well's best month's production during a three month period is not equal to the average allowable for that three month period it will be classified as nonmarginal.

Now the best month's production was 5499 with 24 days on line, but the average allowable for the same period was 5553, so the well was reclassified as a marginal well.

That didn't occur until the November schedule but the November schedule is based back to the September production, so it is reclassified effective in September with a zero status.

Now, it's a marginal well with a zero status and 12,529 Mcf of gas was lost on the allowable.

Mr. Hartman's study on the left side of the spreadsheet shows that the well lost 7793.

Now if we take Mr. Hartman's columns on the left side and carry those forward, rather than the zero status that the well enjoyed under the OCC's reclassification as marginal, you'll see that the well accumulated un-

1  
2 derage up to the point where it had 24,499 Mcf of underage  
3 at the end of March of 1983.

4 This followed a period in which the  
5 producing days dropped in January of '83 down to 7.9.

6 February of '83 the well produced only 6  
7 days.

8 It had no production in March.

9 Ten days in April.

10 Thirteen in May.

11 Finally in June of '83 it got a pretty  
12 good month of 30 days.

13 The following month it was back down to  
14 only 14 days.

15 So during this period of time the  
16 underproduction increased.

17 Then we had a period when the well  
18 produced pretty good but the allowables were so low that it  
19 got some overproduction and that erased some of that  
20 underproduction; however, the well finally got reclassified  
21 back to a nonmarginal status.

22 The well enjoyed the best month that it  
23 ever had in its entire life in December of 1983, when it  
24 produced 10,362 barrels. Now a monthly allowable at that  
25 time was 5801 so we can see that the well could produce  
twice a normal allowable. This is far in excess of any  
allowables that the well had had even when allowables were  
good.

1  
2           So we see that the well had not shown any  
3 decline. The well is still capable of producing far in ex-  
4 cess of a previous high allowable and certainly in excess of  
5 the current low allowables.

6           Well, as a result of this good production  
7 during the first part of 1984, the well was reclassified as  
8 nonmarginal but it came in with 2824 Mcf of overproduction.

9           We show under our calculation which, as I  
10 stated at the beginning, only commenced with February of  
11 1980 and missed the first two months of production history,  
12 we show that the well had 3525 Mcf of overproduction.

13           Whereas, since that time the well's been  
14 shut in for six months; hasn't produced a thing, and we show  
15 that it has now 5020 Mcf of underproduction but the Commis-  
16 sion's records reflect that it's still 19,478 overproduced.

17           Now, since July of 1982 the well has pro-  
18 duced 427 days. Now that against 854 days, calendar days,  
19 during that period of time. So that's exactly 50 percent of  
20 the time is all that the well has been on the line since  
21 July of 1982 when the market collapsed.

22           But the production during that period of  
23 time was 123,192 Mcf against a nonmarginal allowable for  
24 that same period of time of 124,000. So while it produced  
25 only 50 percent of the time, it has made 98.9 percent of the  
allowable, even with the shutins that it's experienced.

          So we believe that the well is definitely  
a nonmarginal well. We would recommend to the Commission



1  
2 that the status be changed back to the time when it was re-  
3 classified as a marginal well in September of 1982, and al-  
4 low that underproduction to carry forward.

5 Q Now, Mr. Nutter, is the information con-  
6 tained on this exhibit displayed in graphic form on subse-  
7 quent exhibits?

8 A Yes, it is.

9 Q Would you now go to Exhibit Number Two in  
10 Case 8361 and explain to the Commission what this exhibit  
11 shows?

12 A Okay, Exhibit Two is an illustration of  
13 what I was talking about on days on and days off the line.

14 Now you'll see that in 1980 the well was  
15 building up overproduction during the -- up until the first  
16 red line on the lefthand side.

17 Then commences the period of time in  
18 which El Paso and Mr. Hartman were trying to work off the  
19 overage, so the overproduction is decreasing.

20 Well, then the -- the heavy black dashed  
21 line that goes through May of 1982 there, it's just to the  
22 left of the arrow that is over the fraction 155/304, that  
23 heavy dashed line that's emphasized with red shows the be-  
24 ginning of the market interruptions in May of 1982, and from  
25 that point to the next red line the well was on the line 155  
days out of 304 days, or 50.9 percent of the time it was on  
the line.

During that period there was a change in

1  
2 its status of over 22-million cubic feet, increasing in the  
3 underproduction.

4 The following period of time it was on  
5 the line 290 days out of 426 days, or 68.1 percent of the  
6 time; however, at that time it built up overproduction  
7 again.

8 We'll show in another exhibit in a minute  
9 that it seems that after the wells got classified as margi-  
10 nal wells, that was when some of their best producing months  
11 occurred, but there wasn't any underproduction to compensate  
12 for any over production, so they built up this horrible  
13 overproduced status durign that period of time.

14 Now, the last 153 days, as the last seg-  
15 ment of this exhibit, and it shows it was on zero days out  
16 of 153. It's zero percent on. This has been the order of  
17 the Commission, actually, because it was six times over pro-  
18 duced based on the current low allowables, six times over  
19 those.

20 Q Now, Mr. Nutter, the zero line that runs  
21 across the page, now what does that line show?

22 A That's zero status. That's neither over-  
23 produced nor underproduced.

24 Q Would that correspond to the allowable?

25 A No, that's the -- well, the allowable has  
entered into it, but it's a status that reflects allowable  
and production.

Q And so when the well was classified mar-

1  
2 ginal the actual overproduction as plotted here would cor-  
3 respond with that line.

4 A Okay, that's -- that's where the -- the  
5 calculated over/under is the dotted line with the little  
6 black rectangles on it, and you'll see that in September of  
7 1982, where the dotted line with the little black rectangles  
8 hits the zero line and stays on that zero line right across  
9 the chart there.

10 We'll have another exhibit that shows  
11 this in a minute, also, a little clearer than this one, be-  
12 cause this has so much information on it it's hard to see  
13 exactly what the status of the well is throughout.

14 But that's what happened. The well got  
15 into a zero status. It was accumulating these "X's" that  
16 are underneath the dotted line but they didn't do any good  
17 when the line went up over -- when the production line went  
18 up over the zero line. That -- the "X's" underneath the  
19 zero line were of no avail.

20 Q Would you now --

21 A Now there's attachments to this that show  
22 the days produced and the cumulative change in each one of  
23 these periods that's between the red lines on the front page  
24 of the exhibit.

25 For instance, the first attachment shows  
the period from 6-82 through 3-83. This is what we have de-  
picted as being the 155/304, and the computer added it up.  
It came out to 156 days with the computer using fractions,

1  
2 but during that period of time the well accumulated 27,134  
3 Mcf of underproduction during that period of time.

4 The next attachment shows that the well  
5 accumulated 36,801 Mcf of overproduction all the time that  
6 it was being classified as marginal. That's in the period  
7 when it was on 290 out of 426 days, or 68.1 percent, but it  
8 accumulated all that overproduction during that period of  
9 time.

10 Now the next page shows what's happened  
11 in the most recent time. It has accumulated 17,322 Mcf of  
12 underproduction to be charged against the overproduction,  
13 but it's still in bad shape because the first page, I mean  
14 the first exhibit showed that as of the end of October,  
15 1984, it's still 19,478 Mcf overproduced, despite the fact  
16 it's been shut in for six months, six and a half months,  
17 really.

18 Q Mr. Nutter, will you now go to Exhibit  
19 Number Three in Case 8361 and review that for the Commis-  
20 sion?

21 A Okay. Exhibit Number Three is a computer  
22 plot of days produced, monthly allowable, and monthly pro-  
23 duction for the Custer State No. 1.

24 Now if we go over to the left side we'll  
25 see that for the first thirteen months the green line of  
production exceeds the red line of allowable.

Days produced are up at the top and they  
were pretty high. They were averaging 28 to 30 days a month

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

during that period of time.

The next period of time the well was producing less than the allowable. This is the period which we referred to as working off overproduction.

Then the dashed line, the vertical line that is at month number 27, I believe it is, yeah, that would be line number 28, that is May of 1982, and that's when the market went to pot and the line has just be zigzagging back and forth ever since.

The well was reclassified at month number 32. It was reclassified from nonmarginal to marginal and during that period of time production has exceeded the allowable. Now we're always referring to nonmarginal allowable, not the well's allowable, because the well's allowable, of course, as a marginal well would have been two months previous production.

But the well exceeded nonmarginal allowables some months. It was less than nonmarginal allowables other months. But that was the period of time when mostly that big amount of overproduction was built up. The allowables are very low, too. You'll note that the red line is right down near the base line of the graph, so it wasn't hard to exceed the allowables.

Okay. Now, if we go to month number 47, that's the highest month, that's the green line, that's the highest month. That's the best production the well ever had. It was 10,062 Mcf in December of 1983.

1  
2 The best month's allowable was January of  
3 1984, the following month, month number 48. That allowable  
4 was 7542.

5 So you'll see that even late in the life  
6 of the well the best production exceeds the best allowable  
7 it ever had. So we know that the well is a nonmarginal well  
8 basically.

9 Now, days produced, over here to the far  
10 right of the exhibit, are down on the zero line. As I men-  
11 tioned before, it has had no production for six months. So  
12 days produced and production are right on the base line of  
13 the exhibit.

14 Q Will you now review Exhibit Number Four  
15 in Case 8361.

16 A Okay. Exhibit Number Four is a three-  
17 page exhibit.

18 The first page shows the status of the  
19 well under an assumed nonmarginal allowable from February of  
20 1982 through today.

21 We have a zero line running across.  
22 You'll see that the overproduction, which is at the bottom  
23 part of the exhibit, being the minus figures, it overpro-  
24 duced through March of 1982.

25 At that time the well gets into an under-  
26 produced status, assuming nonmarginal allowables, and it  
27 stays underproduced until January of 1984.

28 Then it reverses back into the overpro-

1  
2 duced status.

3           So we've got this overproduced status be-  
4 cause of no -- because these allowables were low. We're as-  
5 suming a nonmarginal allowable but the -- the well overpro-  
6 duced a nonmarginal allowable.

7           Now the next exhibit shows what's actual-  
8 ly happened according to the Commission's records.

9           This shows that the well started out with  
10 a slightly overproduced -- underproduced condition, got  
11 10,000 overproduced in February of '81, and then started  
12 working off the overproduction and finally got into an un-  
13 derproduced status of about 12,000 in mid-1982, at which  
14 time the well was reclassified as nonmarginal. It had no  
15 status then from September of 1982 until March of 1983, when  
16 it was reclassified and dropped way down here into the over-  
17 produced column.

18           That underproduction that we mentioned on  
19 the first exhibit was needed here.

20           Now we consolidated those two graphs in  
21 the third page of this exhibit, and you'll see how -- now,  
22 the difference between those lines is that 4500 Mcf that I  
23 referred to earlier, which the -- is the result of one study  
24 being two months late, than starting in the other study, and  
25 there is a basic difference of 45 or 46 or 4700 Mcf differ-  
ence.

          But at any rate, it shows that during the  
period that the well accrued the underproduction from Sep-

1  
2       tember of 1982 until March of 1983, that it had zero status.  
3       So now the overproduction doesn't have anything to be bal-  
4       anced against and the well is in bad shape as far as over-  
5       production is concerned.

6               Q               Mr. Nutter, would you now move to the  
7       next set of exhibits, being those concerning the Shell State  
8       Well.

9               A               Okay, Shell State is Case Number 8425 and  
10       we have Exhibit One here again to be considered first.

11               Now this is a little bit different situa-  
12       tion. The previous well was classified as a nonmarginal  
13       well from the date of first production. This was an old  
14       lease here that had an old well on it and it was classified  
15       as a marginal well, as a marginal proration unit, and when  
16       the well came on it was capable of producing a nonmarginal  
17       allowable but because the unit was already classified as a  
18       marginal unit, the well, the new well didn't get classified  
19       as a nonmarginal. The marginal status stayed with the well  
20       for a long period of time.

21               Now you'll notice that the -- we're going  
22       to be talking here about the assumed nonmarginal allowable,  
23       not the monthly allowable that the Commission shows, because  
24       that's based on marginal production, that Commission allow-  
25       able.

26               But if we compare production with assumed  
27       nonmarginal allowables over on the left side, we'll see  
28       that in the first -- from the date of first production down



1  
2 through May of 1984, we'll see that we had May of 1982 was  
3 overproduced. September and October of '82. April, May,  
4 and June of 1983. July, August, and September of '83. Ap-  
5 ril, May, and June of 1984. The well overproduced an allow-  
6 able at all points along there.

7 So we have -- we have months and months  
8 and months in which the well has overproduced an allowable,  
9 demonstrating that it is a nonmarginal well. It produced in  
10 excess of the average nonmarginal allowable from July 1 of  
11 1981 -- July of 1981 through June of 1982 when the allow-  
12 ables were normal.

13 If we take that period of time and aver-  
14 age the allowables we find that the average allowable for  
15 that period from July of '81 through June of '82 was 12,386.

16 The production from the -- the wells was  
17 as high as 14 -- from the two wells on the unit, the produc-  
18 tion was as high as 14,709 in February of 1984.

19 So we see that the well is still at a  
20 late date in 1984 capable of far in excess of the average  
21 allowable when allowables were good.

22 Now, in order to arrive at that allowable  
23 from July of 1981 through June of 1982 I had to go back to  
24 another one of the exhibits because, of course, this one  
25 doesn't start in this period of time. It starts with Feb-  
26 ruary of '82 and only goes through June of '82. But I went  
27 back to one of the other exhibits to calculate what that  
28 average allowable would have been for the twelve month per-

1  
2 produced from July of '81 through June of '82.

3 But the well has -- was -- was reclassi-  
4 fied as a nonmarginal well in March of 1984. At that period  
5 it had accrued 28,5 --it had a status there of 28,800 --  
6 25,855 overproduction. We show that the well had a real,  
7 true underproduced status from February of '82 through March  
8 of '84 of 14,425 Mcf underproduced.

8 MR. STAMETS: May I interrupt,  
9 Mr. Nutter?

10 The well was classified as mar-  
11 ginal.

12 A The well was classified as marginal,  
13 never carried a status.

14 MR. STAMETS: At the beginning  
15 of 1982 and just looking at the monthly production versus  
16 the nonmarginal allowable, I see one month that it produced  
17 more. Looks like only one month in that period 1982 that it  
18 produced more than a nonmarginal allowable.

19 A No, no, Mr. Stamets, it didn't. It did  
20 it several times. If you look at February of 1982, it over-  
21 produced a nonmarginal allowable by 32 Mcf. Look at the  
22 column described monthly over/underproduction. You'll see a  
23 number of months there with the minuses at the --

24 MR. STAMETS: Well, I'm not --  
25 I'm not -- somehow I'm not seeing that.

26 A Okay. February -- May of 1982, the al-  
27 lowable is 11,219.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

MR. STAMETS: Yeah.

A Production is 11,251.

MR. STAMETS: Right.

A So it overproduced.

MR. STAMETS: Right.

A The next one, you come down to September of '82. Allowable is 10,865, production 11,643, and overproduction of 778.

October, it produced 13,000 against 11,000 for 1940 overproduction.

MR. STAMETS: Whoops, wait a minute. Okay.

A And then coming on down into the next proration period it overproduced in April, May, June, July, August, and September.

So the well -- we carry -- we show that the well carried underproduction and finally got back into an overproduced status for one month only in September of 1983. It got 72 Mcf over. But, of course, the Commission was carrying no status on it.

Well, now the Commission's classification in May of 1984 retroactive to March of 1984, what the computer does, it adds up the allowable for the entire previous proration period. So it would be adding up allowable from April of 1983 through March of 1984. It would also be adding up production for that same period of time of April of '83 to March of '84, and it would charge the well with that

1  
2 amount of overproduction, and obviously, the well overpro-  
3 duced during the first six months of that proration period  
4 quite substantially. It lost credit for any underproduction  
5 it had previously, and there were a number of months in  
6 which it was underproduced, even in that proration period it  
7 underproduced a number of months.

8 It gets no credit for any underproduc-  
9 tion. It only gets credit for overproduction when you make  
10 a calculation of overproduced status on a reclassification.

11 So it ended up with 25,855 Mcf of over-  
12 production and even since the reclassification in March of  
13 1984 the well has undergone some period of time in which it  
14 hasn't had much production. April, May, and June were not  
15 too bad, ranging from 27 to 29 days on line.

16 July only had 11 days on line.

17 August, only 3 days.

18 September, only 2 days.

19 And October, 16 days.

20 But still it's only worked off 4000. No,  
21 it's only worked off a little over 1000 Mcf of overproduc-  
22 tion, even with those poor months of production. So it's  
23 still in bad shape and if allowables should get too low it's  
24 in danger of being completely shut in.

25 MR. STAMETS: Well, is your testimony,  
26 ration unit should have been reclassified as nonmarginal  
27 when the Shell State No. 5 Well was completed in --

1  
2           A           Yes, sir, because it was a marginal well.  
3 The No. 2 Well is still a -- is a marginal well and it  
4 doesn't make very much.

5                       So I believe that when the No. 5 was  
6 brought on line, it was capable of producing nonmarginal al-  
7 lowables. The proration unit should have been classified as  
8 nonmarginal, and I don't believe anything has really hap-  
9 pened to the well except experience bad pipeline days since  
10 then that would have changed its status from nonmarginal to  
11 marginal.

12                      So I believe the well should have a com-  
13 plete history from the time the No. 5 was completed January  
14 12th, 1982, through today as a nonmarginal well, with what-  
15 ever status those figures would show, then.

16           Q           Do you have anything further to present  
17 on Exhibit Number One in Case 8425?

18           A           No, I don't believe so.

19           Q           Would you now go to Exhibit Number Two in  
20 that case?

21           A           Okay. Exhibit Number Two is the exhibit  
22 that shows the percentage of time on and off. We see that  
23 over on the left side it had 100 percent producing time from  
24 February through May of 1982. That -- it enjoyed good days  
25 there, as were reflected by the previous exhibit.

                      Then from the collapse of the market in  
May of 1982 through March of 1983 it was on 207 out of 304  
days, or 68 percent on.

1  
2 Now it was accumulating underproduction,  
3 really, at that period of time, because the little "X" line  
4 is below the zero line. So it was underproducing. But the  
5 black line with the little black rectangles is on the zero  
6 line because it's marginal, not accruing any underproduc-  
7 tion.

8 Now when it got reclass -- then the next  
9 period of time it was on 199 out of 244 days, 81 percent of  
10 the time and the underproduction was decreasing. It got  
11 even in September of 1983. That was the point where we  
12 showed that it had overproduction of 72 under our calcula-  
13 tions, 72 Mcf, practically a zero status.

14 Then we accumulated some more underpro-  
15 duction during the period of time, but the well was reclass-  
16 sified then in March of 1984 and immediately the overproduc-  
17 tion, it zooms up to the top of the chart with overproduc-  
18 tion, because all the underproduction that was on the left-  
19 hand side of the chart below the zero line isn't credited to  
20 the well, so suddenly the proration unit is overproduced and  
21 has to be shut in.

22 Now the attachments show what's happened  
23 during the subsequent periods of time. Shows that during  
24 the first two periods it accumulated 35,000 Mcf and then  
25 6000 Mcf, both of underproduction.

During the last period it shows that it's  
got a net change of 19,000 in the overproduced column.

Q

Will you now review Exhibit Number Three

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

in Case 8425?

A Okay. Exhibit Number Three is the colored computer plot again of allowable, days produced, and production.

We divide this up into segments. We'll see that for the first 14 months, from month one through 14, the well was produced under the allowable more often than over the allowable. Producing days fluctuated. They weren't as even and steady as they were on some of the other exhibits, but for the most part the green line is under the red line for that first 14 month period.

Then the next six months the green line is consistently over the red line. This is the period of overproduction.

The market collapse was in May of 1982, which would be line number four. It's the dashed line over on the left.

So this never had any steady period of production before the market collapsed, that we've referred to several times. It's just a zigzag pattern up and down clear across; however, I would point out that the best month production that it ever had was month number 25, and that green dot there is 14,709 Mcf, and that represents the production during February of 1984.

Now, the best allowable the proration ever had was in month number 24, when the allowable in January of 1984 was 15,083.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

So we see that its best month production is almost equal to the best allowable that has ever been assigned. The average production is better than the average allowable.

So again I believe we've got a nonmarginal well here and that it should have been classified nonmarginal from the beginning until the present date.

Q Will you now review Exhibit Number Four in this case?

A Okay. Exhibit Number Four is the same thing we -- the first graph shows the cumulative over and under. Assuming a nonmarginal allowable we see that the well is underproduced almost entirely throughout the life of the -- the lease, except that after the reclassification -- except that it does drop down into the overproduced area of the exhibit over on the righthand side during the mid-1984. Then it's back up into the underproduced side when we compare production with an assumed nonmarginal allowable.

The next chart is very simple. It shows it had no status until the reclassification in March of 1984 and everything is on the negative side there. It's all overproduced.

Now a comparison of the two, you see that it's got this monstrous amount of overproduction on the righthand side, depicted by the chart line with the pluses on it. Now that's all overproduction, with no credit for all the previous underproduction when the dotted line was



1  
2 above the zero line.

3 So all of the underproduction that the  
4 well has accumulated over its life is of no benefit to it  
5 now that it's classified nonmarginal and overproduced.

6 Q So on that exhibit when we see the rise  
7 in the dotted line during 1983 there was no credit given for  
8 that underproduction that would offset the overproduced sta-  
9 tus reflected in 1984.

10 A That's correct. This underproduction is  
11 never of any benefit to the well --

12 Q And that --

13 A -- because it carried zero status being  
14 classified as marginal.

15 Q And that's the last page in Exhibit Num-  
16 ber Four in Case 8425.

17 A That's correct.

18 Q Okay.

19 A That's the composite of the two type sys-  
20 tems, the assumed allowable and the actual allowable.

21 Q Would you now go to Case 8360, that's the  
22 case concerning the Maralo State Well, and refer to Exhibit  
23 Number One in this case and review the information on that  
24 exhibit with the Commission?

25 A Okay. Maralo State is Case Number 8360.  
Again we have a well that first, originally came on as mar-  
ginal but it was corrected right away and reclassified as a  
nonmarginal well because it was recognized early in the life

1  
2 of the well that it was not a marginal well but it was a  
3 nonmarginal well.

4 Now, here again we have the case where  
5 the well was producing from early 1980 all the way through  
6 the proration period, the second proration period, which  
7 commenced in April of '80. Through the first ten months of  
8 that period it was producing at almost maximum number of  
9 days. It overproduced almost every month during that twelve  
10 month period. I think there were three months in which  
there was underproduction.

11 The well accumulated an overproduced sta-  
12 tus, of course, according to the records that are shown  
13 here, as well as the records that are shown on the Commis-  
sion's records.

14 The Commission shows that it reached its  
15 maximum overproduced status that it ever had in January of  
16 1981, at which point it was 23,498 Mcf overproduced.

17 Mr. Hartman and El Paso then started to  
18 work the well back into a balanced condition and the over-  
19 produced status was gradually worked down where it finally  
20 crossed the line from overproduction into underproduction  
21 was in November of 1981. So this was before the collapse of  
the market.

22 They decreased the production and the  
23 status as far as the Commission was concerned changed from a  
24 23,498 overproduced down to 900 -- down to 294 Mcf of over-  
25 production in January of 1982.

1  
2 So the well got back into balance. Then  
3 it started accruing underproduction.

4 Underproduction increased on the well un-  
5 til it was reclassified as nonmarginal -- as marginal in  
6 September of 1982.

7 Here again we have those same months and  
8 those same allowables we referred to in an earlier one,  
9 where the allowable for the three month period of July, Aug-  
10 ust, and September, the average allowable for those three  
11 months was 5553 Mcf.

12 The best month's production for the well  
13 during that period of time was 4806. It didn't make the  
14 average allowable during its best month, which is only 24  
15 days, so it was reclassified as marginal.

16 It has 6234 Mcf of over -- under -- of  
17 underproduction on the Commission's books and on this  
18 spreadsheet, which commences in February, it shows that it  
19 had 9394 Mcf of underproduction. We're not taking into con-  
20 sideration on our spreadsheet production during November,  
21 December, and January.

22 Probably these charts should have been  
23 made to the date of first production in all cases but they  
24 weren't. The study started with February, except in the  
25 case of the Late Thomas. It does go back to the beginning.

But at any rate, the well was reclassi-  
fied as marginal. It lost its underproduction. Then went  
into the bad period of time in which there was little or no

1  
2 producing days on some months and other months in which it  
3 overproduced.

4 It overproduced badly in August, Septem-  
5 ber, October of 1983; also November of '83, December of '83,  
6 and January of '84. So it was accumulating a bad status and  
7 when it got reclassified, then, as a nonmarginal well in  
8 March of 1984, it had 16,974 Mcf of overproduction.

9 Now we show that if we had continued to  
10 consider the well as a marginal well, at that time it would  
11 have had 16,658 Mcf of underproduction. It would have just  
12 been almost opposite to what the Commission's records show,  
13 because the Commission records, of course, didn't give any  
14 credit for the underproduced months but our records are a  
15 continuous flow of underproduction and overproduction bal-  
16 ancing each other.

17 As of October of 1984 the Commission's  
18 records show that the well is 17,265 Mcf overproduced.

19 Our balance sheet show that it's 16,368  
20 Mcf underproduced.

21 In the 12-28 months from July of 1982 to  
22 the present the well has produced a total of only 365 days  
23 out of a total of 854 days. This represents 42.7 percent of  
24 the time. Even though -- even so, it has managed to produce  
25 113,000 Mcf against a hypothetical nonmarginal allowable of  
124,000 Mcf, or 91 percent of the allowable.

So with 42 percent of the time on line  
it's been able to produce 91 percent of the allowable. So

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

it's obviously a nonmarginal well, also.

The best months that the well ever had were in April of 1984, which was 14,491. Now that's not bad for a well whose production history goes all the way back to 1979, that its best month's production is one of its most recent months.

So it's obviously a good well and it should be classified as nonmarginal. I believe we should go back to the beginning of this well and reclassify it nonmarginal; if not, at least go back to the period of time when it was reclassified as marginal in September of 1982.

Q Mr. Nutter, will you now go to Exhibit Number Two in Case 8360 and review that?

A Again we have the depiction of the time frames in the well's producing history.

We have the period of time from February of 1981 through March of 1982, where it was working off overage. It got overproduced and it was working it off.

Then the market collapse comes along in May of 1982 and from that point through September of 1983 the well is on only 192 days out of 488 days, or 39.3 percent; however, in September of '82 it was reclassified as nonmarginal -- as marginal, so the dashed line with the black rectangles is a horizontal line on the zero line. It's horizontally zero; however, we show that the well was accruing underproduction because the line with the little "X's" on it is dropping down.

1  
2           The period of recovery, we might say,  
3 when allowables -- or production started increasing, from  
4 September of '83 through May of 1984 the well was on the  
5 line 83.4 percent of the time, being 227 out of 272 days,  
6 and also during that time it got overproduced. It didn't  
7 have any underproduction to counteract it, so it got into a  
8 badly overproduced status, the one we mentioned earlier  
9 which was 17,000 overproduced at the time of reclassifica-  
10 tion.

11           The backup sheets for these categories  
12 and these time frames are attached to Exhibit Number Two.

13           Q           Will you now review Exhibit Number Three  
14 in Case 8360?

15           A           8360, Exhibit Number Two, the computer  
16 plot.

17           Q           Number Three.

18           A           Number Three, the computer plot. We show  
19 that -- this is over on the left side -- from month 1  
20 through month 13 is the period of overproduction where the  
21 green line is higher than the red line. Producing days are  
22 up at a maximum most of the time.

23           The period from month 13 through month 29  
24 are the underproduced times, when the green line is general-  
25 ly below the red line.

Then we go into the market interruptions,  
we have the zigzags again, but for 13 straight months, from  
month number 30 through month number 42 we had underproduc-

1  
2 tion, where the green line is less than the red line.

3 Then we go into a period where the green  
4 line is greater than the red line.

5 The best month's production is month num-  
6 ber 51, April of 1984. The production was 14,491. It's far  
7 in excess of the average allowable for the life of the well,  
8 which has been 5390. It's also better than the best allow-  
9 able, which was month number 48, and was 7542.

10 So it produced almost twice what a normal  
11 allowable would be and its best month of production was al-  
12 most twice what the best month's allowable has been during  
13 the life of this well.

14 Q Will you now review Exhibit Number Four  
15 in Case 9360?

16 A Exhibit Number Four is the computer  
17 printout of the assumed normal allowable, cumulative Mcf of  
18 over or under under an assumed nonmarginal allowable without  
19 reclassification, or anything.

20 It shows that the well got into the over-  
21 produced condition from the beginning of its life; that the  
22 -- starting in February or January of 1981 they started  
23 working the overproduction off and finally got the well back  
24 into balance at about early 1982.

25 Then the overproduced period started.  
The overproduction was worked off back to a zero status at  
about May of 1984.

Then underproduction started accruing

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

again.

If we look at the next chart, it shows that the overproduction was accumulating to the maximum in January of 1981. Then the overproduction was cut back. It reached a zero status in February of '82; got into a slightly underproduced status for a few months; then got reclassified as a non -- as a marginal well.

Stayed marginal until it was reclassified as nonmarginal with a substantial amount of overproduction against it.

Exhibit Number Three is the composite of the life of the well and it shows that the production and the assumed allowable lines coincide with each other up to the point where it was reclassified.

Then the underproduction increases if you go under the assumed allowable, but it stays at a zero status if you stay on the -- with the line with the little plus marks on it.

So you're not getting any credit for the underproduction. It carries a zero status. Then when it's reclassified nonmarginal it's hit with a monstrous amount of overproduction.

Q Now again on this exhibit, this last page of Exhibit Number Four, Mr. Nutter, the overproduction, which is shown in 1984 by the line that has the "X's" on it, in your opinion would that have occurred if, in fact, the well had always been classified as a nonmarginal well?



1  
2           A           No, if it had been classified as a non-  
3 marginal well, the line would have followed the other line.

4           Q           And the well would have received credit  
5 for the periods --

6           A           Well --

7           Q           -- in which it was underproduced.

8           A           Yeah, it would -- it would be -- it would  
9 have reached the zero status. It would have reached a zero  
10 status at about May of 1984 and it would have been underpro-  
11 duced now instead of overproduced.

12          Q           Right. Would you now go to Exhibit Num-  
13 ber One in Case 8359, relating to the Late Thomas Lease?

14          A           Now the Late Thomas is a complicated one  
15 and that's where Mr. Nermyr and Mr. Stamets started discus-  
16 sing these allowables and these production figures, and I  
17 have tried every conceivable set of numbers to put together  
18 to try to resolve this one myself, and I'll say at the out-  
19 set that I think that somebody needs to sit down with Harold  
20 and with the C-111's and the C-115's and go all the way back  
21 to the first production from these new wells back in October  
22 of 1981 and try to really arrive -- see if this current sta-  
23 tus is correct, because you'll notice over here, Dick, that  
24 they carried the production as marginal production for a  
25 good long while, although the well was probably a nonmar-  
ginal well.

        But the amount of production that's being  
reported, and you'll see on the left side for November of

1  
2 1981 Hartman showed that he produced 23,041 Mcf.

3 El Paso's report apparently showed  
4 13,839, and that's what's in the Commission records, unless  
5 it was corrected.

6 Now, the Commission didn't pick up a  
7 double allowable for the well for the 320-acre unit until  
8 August of 1982, almost a year after the first -- after the  
9 new well was brought in, because you'll see that the allow-  
10 able under the Commission's record, in July of 1982 is  
11 11,227. Now that's the allowable for 160-acre unit.

12 The following month, in August of '82,  
13 they doubled that allowable and gave it 22,4554. So it  
14 finally got a 320-acre allowable, although the 320-acre unit  
15 was approved by the Commission by Order Number R-6781, it  
16 was a force pooling case, and that order was dated in Sep-  
17 tember of 1981.

18 MR. STAMETS: Mr. Nutter, when  
19 did you retire?

20 A I don't know, maybe I was the one that  
21 heard this case, but there was something -- there was some-  
22 thing that was drastically wrong somewhere in the records.

23 Now the plats were filed in October of  
24 1981. So I think the records were all straight but the pro-  
25 duction reports don't jibe and you'll notice, if you come  
down to the current cumulative over/under column there on  
the righthand side, that in May of 1981 the Commission's  
computer shows that the lease was 19,071 overproduced.

1  
2 Now they tried to make a correction on it  
3 and the next month it showed it was 79,000 underproduced.

4 The next month it's only 36,000 underpro-  
5 duced and there's no way it could have overproduced enough  
6 to change that figure.

7 So I'd like to just sit down and go  
8 through the whole record on this thing.

9 MR. STAMETS: I presume that if  
10 your client prevails in this case that you would do that.

11 A I would most certainly be happy to work  
12 with Harold and try to get a status arrived at and get this  
13 thing straightened out.

14 Now, I -- like I say, I've tried every  
15 conceivable set of numbers and I've gone to the individual  
16 well production reports that were filed by Hartman. I  
17 haven't gone to the El Paso 111's, but, see, the proration  
18 schedule was kind of fouled up, too, for awhile, because it  
19 showed the proration. It showed the proration unit as a 320  
20 with one well on it. Then it showed another 160-acre unit  
21 with no well on it and some production was missing someplace  
22 along the line.

23 Now they may have picked it all up and  
24 got it into that 79,000 underproduction and then found out  
25 that that was too much underproduction and corrected it back  
26 to 36,500. I don't know. It's just one of those things.  
27 It's kind of intriguing.

28 But, at any rate, at any rate, the No. 2

1  
2 Well, No. 3 Well, it was an old unit, been producing since  
3 1953, the No. 3 Well was brought on in October of 1981. The  
4 No. 2 Well was brought on in November.

5 Now, on this particular chart we have  
6 gone back to date of first production, and although these  
7 production figures on your side of the ledger don't jibe  
8 with what we show on our side of the ledger, I believe that  
9 ours are correct as far as the unit is concerned.

10 And we show that the first month the well  
11 had underproduction of 18,287. Now the Commission didn't  
12 show any status at all, so --

13 MR. STAMETS: Might I -- might  
14 I interrupt at this point, Mr. Nutter.

15 I see we have a representative  
16 of El Paso Natural Gas Company here and just for a point of  
17 information I'd like to ask him if he -- if it proves neces-  
18 sary, would it be possible for El Paso to furnish us with  
19 new production figures on the Late Thomas proration unit, if  
20 we have to go back to 1981?

21 MR. KENDRICK: If we can iden-  
22 tify them by well and if they're all metered separately, we  
23 can.

24 A I can give you the lease meter number and  
25 everything right now.

MR. AYCOCK: They're all met-  
ered separately. 173, it's simultaneous dedication.

A Yeah, all metered separately.

1  
2 MR. STAMETS: You may proceed.

3 A Okay. So our production records go back  
4 to first production on these wells.

5 We show that the first month, in October,  
6 that we had 18,207 -- 87 Mcf of underproduction, whereas the  
7 Commission was just carrying us with a zero status.

8 By -- by March of 1982 we had acquired  
9 23,849 Mcf of underproduction, according to our calcula-  
10 tions, but when the Commission classified the well as non-  
11 marginal they weren't recognizing some of that previous al-  
12 lowable that should have been assigned to the 320-acre unit  
13 and they only gave it 4196 Mcf of underproduction.

14 Now, they, as I said, made an effort to  
15 make some sort of correction and they changed that underpro-  
16 duction to 79,000 in June of '82, but our calculation shows  
17 that the well was only 25,000 underproduced, or the unit was  
18 only 25,000 underproduced.

19 We were in a period where we've had most-  
20 ly underproduction. There were a few months of overproduc-  
21 tion, but it was accumulating underproduction during that  
22 period of time.

23 It accumulated prior to the end of the  
24 proration period, it acquired 86,892 Mcf of underproduction,  
25 according to our record, but the Commission, when it reclas-  
sified the well as a marginal well in March of 1983, wiped  
out whatever underproduction it had. They showed 68,419 the  
previous month to that.

1  
2           So we lost a considerable amount of  
3 underproduction on the reclassification of the well.

4           Now the well went through what I call a  
5 generic reclassification. That was after those allowable  
6 hearings in the summer of 1983. You'll remember that Joe  
7 reclassified quite a group of wells as nonmarginal and it  
8 did experience a reclassification of nonmarginal in August  
9 of '83, but then immediately again it went back to marginal  
10 status in October of '83 and the underproduction/overproduc-  
11 tion picture never even changed. It didn't even last long  
12 enough to get a status in that period of time.

13           So while there is a change from M to N  
14 back to M in that period in mid-1983, or the fall of '83,  
15 there was no real change in status.

16           So when it was reclassified again in  
17 1984, March, it went in with 44,000 of overproduction. It  
18 experienced that disastrous period of allowables when --  
19 back in January, February, and March of 1983 when the pro-  
20 ducing days dropped to 8, 4, and 8, respectively, for Jan-  
21 uary, February, and March. The average allowable would have  
22 been the average of 29,000, 26,000, and 18,000, but the best  
23 month's production was only 9657. So it was classified as a  
24 marginal well, but it was definitely based because of no  
25 producing days, produced an average of 6.84 days per month  
during that period of time.

          So producing days caused it to be classi-  
fied as marginal the first time, when it lost the 68,000

1

2 Mcf.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Since it got reclassified as nonmarginal it came on, as I mentioned, with 44,000 overproduced status. It's experienced some pretty bad days, some bad months. August and September of 1984 it had no production at all. October it only produced 5 days, but still, at the end of October the Commission records show that it's 58,000 overproduced, and that's a lot of overproduction, especially in view of the fact that it lost over 68,000 Mcf production.

We figure that the well would have a status of about 45,000 underproduced against the Commission's record of about 58,000 overproduction.

Q And you're talking here about the lease, not any of the individual wells.

A I'm talking about the proration unit, yeah. You can't look at the wells here; you have to look at the unit status.

You've got two good wells and one lousy well on it.

Q Would you now refer to --

MR. STAMETS: Let's go off the record just a short second.

(Thereupon a discussion was had off the record.)

A Okay, Mr. Stamets, Exhibit Number Two in Case 8359 shows the days on and days off during the periods

1  
2 of adjustment and prorationing.

3 The attached sheets show the accumulated  
4 status change during that period of time.

5 Q Would you now review Exhibit Number Three  
6 in Case 8359?

7 A Exhibit Number Three in Case 8359 is the  
8 computer plot of the days on, the monthly allowable and  
9 monthly production, and while I've got lots of notes to dis-  
10 cuss here, I'll just simply say that it shows that the  
11 amount of producing days has fluctuated widely. The amount  
12 of allowable has fluctuated widely, and production has fluc-  
13 tuated widely on the Late Thomas Lease.

14 Q Mr. Nutter, would you now review Exhibit  
15 Number Four in Case 8359?

16 A Exhibit Number Four, the first page is  
17 the assumed nonmarginal allowable status. It shows that the  
18 well's producing history has been underproduced almost en-  
19 tirely, with one exception, a very brief period in which the  
20 production dropped below the zero line in mid-1984.

21 The next page shows the conditions as de-  
22 picted by the Commission, with those wide variations in un-  
23 derproduction and overproductions that we discussed, when  
24 they were trying to make the adjustments back in 1982.

25 It also shows that when the well was re-  
classified in March of 1983 as marginal, that it had no sta-  
tus and then it came back on with a highly overproduced sta-  
tus in March of 1984.



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

The third page of this exhibit shows the difference between what could have been and what has been and what we're seeking to have rectified.

Q And, again, this exhibit shows, this last page of Exhibit Four shows the lease substantially overproduced because it did not receive credit for underproduction during 1982 and 1983.

A No credit for all the underproduction that had accrued.

Q And this credit was not given because the well was reclassified.

A And had no actual status. There was nothing they could assign to it. That's what we're seeking now, retroactive assignment.

Q Mr. Nutter, in your opinion are the wells on the leases which we've been discussing today truly non-marginal wells?

A Yes. I'd say that in my opinion all four of the proration units we've been discussing are nonmarginal in character and have been nonmarginal since the date of first production, date of recent production, because we had wells that were completed back in '53. I mean during these Hartman years, commencing back in '79, '80, and '81. They've been nonmarginal character ever since they were completed.

There's been no decline has set in on these units. Some of the best production has been in recent

1  
2 months, except, of course, for the wells that have been com-  
3 pletely shut in during recent months.

4 In my opinion the reclassification of the  
5 wells from nonmarginal to marginal was in error and resulted  
6 only from decreased producing days, not lack of ability of  
7 the wells to produce.

8 In some cases the wells accrued large  
9 amounts of overproduction early in their lives. Mr. Hartman  
10 and the pipeline worked diligently to reduce the overproduc-  
11 tion and even achieved underproduced status.

12 Then the market collapsed and the under-  
13 production grew as a result of curtailed producing days.  
14 The Commission's computer had no choice but to reclassify  
15 the wells as marginal and cancel the underproduction.

16 In the case of the Late Thomas the unit  
17 was originally classified marginal for unknown reasons, prob-  
18 ably because it's a multi-well unit, and the accounting of  
19 production took more than a half a year to straighten out.  
20 I'm not sure that it's correct yet, but the unit is defin-  
21 itely nonmarginal in character and should be so classified  
22 from October 23rd, 1981, until now.

23 The Shell State lease was also originally  
24 classified marginal. Again we have a multi-well unit that  
25 took some special effort to get straightened out in the re-  
26 cords, but it should also have been nonmarginal since Jan-  
27 uary the 12th of 1982.

Q What are your recommendations in each of

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

these cases?

A In a nutshell, I'd recommend that the following classifications should be made:

Case 8361, the Custer State, originally classified nonmarginal, reclassified marginal, September '82; reclassified nonmarginal, March '84.

This unit should be reclassified nonmarginal back to September '82 and the underproduction cancelled at that time should be reinstated.

It's only had fifteen days production during the last month; zero days during the last five months of production.

For the Shell State Lease, Case 8425. It was previously classified as marginal because the original well on the unit was marginal and it still is; however, the new well was put on line January the 12th, 1982, and way, and is, a nonmarginal well.

This unit should be classified as nonmarginal, effective date of connection of the first -- of that new well, effective January 12th, 1982, and allowed to accrue underproduction against overproduction from that date to the present.

The Maralo State No. 1, Case 8360. It was originally classified nonmarginal with first delivery in November of '79.

It stayed nonmarginal until September of '82 and then was reclassified marginal with loss of under-

1  
2 production.

3           Very definitely a nonmarginal well and so  
4 classified in March '84; however, the overproduction accrued  
5 during the time as a marginal well, which was not compensated  
6 for by previously cancelled underproduction, put the  
7 well in terrible condition insofar as status is concerned.

8           It should be reclassified nonmarginal effective  
9 September, 1982, and the underproduction reinstated.

10           The Late Thomas Lease, Case 8359. It's  
11 an old proration unit, since 1983. Two new wells were drilled  
12 and put on the line in October and November, 1981.

13           Very confusing records as to production  
14 and status from date of new wells. Was originally classified  
15 marginal, reclassified nonmarginal September, '82; reclassified  
16 marginal March, '83, with huge loss of underproduction;  
17 reclassified nonmarginal March, '84; is badly overproduced  
18 and still carries 58,000 Mcf overproduction even  
19 though there's been practically no production from the well  
20 during the last three months, only five days in three  
21 months, with 2555 Mcf.

22           I believe a thorough analysis of the production  
23 history of this unit from October, 1981, through the  
24 present should be made, and that a nonmarginal classification  
25 effective date of first delivery of the new well in October,  
26 1981, should be effected.

27           Q           Anything further?

28           A           Only to say that in bringing these cases

1  
2 we have no quarrel with the Commission or with the pipeline.  
3 We believe that everyone was doing what he thought was right  
4 in this and that the computer thought that it was doing what  
5 it -- the computer was doing what it thought was right.

6 I would only hope that the Commission  
7 will be inclined to speak with that computer and convince it  
8 that these are good, nonmarginal wells and that it should  
9 treat them that way and not as a bunch of Rodney Danger-  
fields.

10 That computer showed these wells no re-  
11 spect.

12 Q Mr. Nutter, if this application is not  
13 granted, what will be the effect on the correlative rights  
14 of Mr. Hartman?

15 A Well, it's obvious that the wells have  
16 produced up and down. In every case that we've showed here  
17 today the status of the wells, if you look at the whole life  
18 of the well, is underproduced, but the status of the wells  
19 as far as the Commission records is concerned is overpro-  
20 duced, but that's because of cancelled underproduction, and  
21 I believe that these wells could have been kept classified  
22 as nonmarginal and the reclassification as marginal rescind-  
23 ed if action had been taken at that time, but as Mr. Nermyr  
24 explained, it took time in order to analyze it.

25 Now the Commission rules say that you've  
got fifteen days from the date of notification and I don't  
know what the date of notification is. It's presumably when

1  
2 the proration schedule comes out. Is it when you receive  
3 the proration schedule? Is it the date the proration sche-  
4 dule is published? They received the proration schedule  
5 normally in the Midland Office, the Hartman Midland Office,  
6 the 13th to the 15th, so if it's from the date of the prora-  
7 tion schedule, being the first of the month, you don't have  
8 time to get a letter in.

8 I remember in days gone by that letters  
9 would come in sometimes later than fifteen days and the re-  
10 classification would be effective. I don't know if that's  
11 done today or not.

12 But at any rate, there's -- the rule pro-  
13 vides that administratively you can get this reclassifica-  
14 tion done if you notify the Commission within fifteen days  
15 after being notified of the reclassification.

16 There's no specification as to when you  
17 have to bring a hearing -- seek to have a hearing on the  
18 matter.

18 Q It's only recently that the magnitude of  
19 the problem has been fully understood.

20 A And it has really come into focus just  
21 recently, and so it seems like the periods of time, even now  
22 with this depressed market, when you'll have months that  
23 produce real well. Well, these are months when the allow-  
24 ables have been set low. I guess it's unforeseen demand that  
25 is coming back, or something. It just comes and goes and  
it's hard to predict, and so the proration schedule doesn't

1  
2 always reflect what the demand is going to be that following  
3 month, and so if there's no cushion for the wells to fall on  
4 and they're just classified as marginal, they produce that  
5 overproduction when the market comes back but there's no-  
6 thing to produce it against.

7 So you're in bad shape when the day or  
8 reckoning comes on the reclassification back to nonmarginal.

9 It's an ironic thing, the best wells have  
10 to be shut in because they're overproduced against no -- no  
11 allowable.

12 Q Will Mr. Hartman's correlative rights be  
13 impaired if each of these applications is not granted?

14 A I believe so, because like I started to  
15 say a long time ago, the overall produced status, the over-  
16 all balance status is underproduction and if he's forced to  
17 shut the wells in further he's -- he's -- his underproduc-  
18 tion is increasing, really, as a true status, and he's los-  
19 ing allowable.

20 Q That he otherwise should be entitled to.

21 A That he otherwise should be entitled to  
22 produce.

23 Q Do you believe that granting the applica-  
24 tion will impair the correlative rights of other interest  
25 owners in the area?

A No, I can't see how it would, because  
it's allowable that the wells have coming to them and  
should be able to produce.

1  
2 Q Mr. Nutter, have you reviewed the exhibi-  
3 bits in Cases 8361, 8425, 8360, and 8359?

4 A Yes. I either reviewed them or prepared  
5 them. Some of them I prepared.

6 Q With the qualifications expressed during  
7 your testimony, do they accurately portray the status of  
8 these wells?

9 A Yes, they do.

10 MR. CARR: At this time, Mr.  
11 Stamets, we would offer into evidence Hartman Exhibits One  
12 through Four in each of Cases 8361, 8425, 8360, and 8359.

13 MR. STAMETS: The exhibits will  
14 be admitted.

15 MR. CARR: I have nothing fur-  
16 ther of Mr. Nutter on direct.

17 I reserve the right to recall  
18 him for rebuttal testimony.

19 CROSS EXAMINATION

20 BY MR. STAMETS:

21 Q Mr. Nutter, while you were on the Commis-  
22 sion staff, do you recall any similar cases where allowables  
23 were reinstated back more than six months or so?

24 A I don't know how far back. I know we've  
25 had cases for reinstatement of cancelled underproduction be-  
yond the fifteen days.

Now I know that there have been cases



1  
2 where Harold has made adjustments to allowable on wells that  
3 went back more than this period, as long as this, but it was  
4 in the case where, like in the northwest, where deliverabil-  
5 ity tests had not been processed, and they were carried with  
6 NC's for a long period of time and then we finally had to  
7 come in with a classification, go back and rectify allowable.

8 I've talked to Harold about what this  
9 would involve. He said it wouldn't be any monstrous task at  
10 all to reclassify these wells and create a new status for  
11 them going back.

12 But I don't recall, to answer your ques-  
13 tion specifically, Mr. Stamets, how far back any of those  
14 cases have gone when reclassification was sought, and rein-  
15 stated.

16 MR. STAMETS: Any other ques-  
17 tions of the witness?

18 MR. KELLEY: I have a couple of  
19 questions.

#### 20 CROSS EXAMINATION

21 BY MR. KELLEY:

22 Q Mr. Nutter, do you think this problem ex-  
23 ists with a lot of other wells in the state?

24 A I don't know if it exists with other  
25 wells in the state. I know it doesn't exist for very many  
wells in this particular pool.

We had a tabulation that shows the number

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

of nonmarginal units in this particular pool, yes.

MR. AYCOCK: Well, there were five of them, you may recall, in the hearing we had in June of '33.

A Yeah.

MR. AYCOCK: (Inaudible)

A Yeah, but I think that right now --

Q Well, while they're searching for that, maybe I'll ask the second question.

A I got it. Okay. In the -- in the Jalmat Pool there are a total -- there's a total of 22.25 proration units or factor, acreage factors, that are classified as nonmarginal out of over 400.

So there's just a smidgeon of nonmarginal proration units in the pool.

Now of those 22.5 -- .25 proration factors in that pool that are nonmarginal, Harman has 11.75 of them.

Alpha Twenty-One has one nonmarginal acreage factor.

ARCO has two and a half nonmarginal acreage factors.

Gulf has three nonmarginal acreage factors. I believe that Gulf well is a -- or, no, it's the Alpha Twenty-One, it's badly -- no, well, I don't know, I won't say. There's a couple of those that are in a bad state marginally or in production, and they'll be reclassi-

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

fied as marginal.

So really, this is not going to affect any other wells in the pool hardly at all. The marginal wells, the vast majority, the 400 marginal wells, get their allowable no matter what happens to the nonmarginal wells.

So while this may be a problem in other pools, it is no big problem in the Jalmat Pool with the exception of Hartman's wells. He's got most of the nonmarginal wells in the pool.

Q Do you think this problem arises from the computer system or the data put in?

A I don't know. These guys have been having all kinds of meetings lately discussing gas proration and the system that's used, and it may be an inherent problem in the system.

It seems, it's always seemed a shame that a well that has underproduction, it's cancelled, and the wells that are overproduced get production cancelled and reassigned as nonmarginal allowable. Then that has gets and then that hasn't gets hit, but it's -- it's -- the whole balancing system has always been kind of a mysterious process; it seems to work, it seems not to work, depends on how the well's situation is at the time.

MR. KELLEY: No further questions.

MR. STAMETS: Any other questions?

## REDIRECT EXAMINATION

1  
2  
3  
4 BY MR. CARR:

5 Q Mr. Nutter, when you are talking about  
6 wells having their underproduction cancelled, this is a uni-  
7 que situation, is it not, when the well has, and has had,  
8 the ability to produce that gas?

9 A It's all right to take a well's allow-  
10 able that -- if he gets reclassified as a marginal well be-  
11 cause he's of marginal character, that that allowable and  
12 give it to the wells that can make it, but when the well is  
13 reclassified as marginal because of things other than the  
14 ability of the well to produce, because of day's production,  
15 because of down time when the well is still capable of going  
16 on stream and producing its allowable, this is what's in-  
17 tended to be corrected, and we want to correct it, we're  
18 just late doing so.

19 We believe these are all nonmarginal  
20 wells that should have been nonmarginal from day one.

21 MR. CARR: I have no further  
22 questions?

23 The witness may be excused.

24 How long is your next witness?

25 MR. CARR: I don't know.

MR. AYCOCK: Not that long,  
very short.

MR. STAMETS: Let's take --

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

take five.

(Thereupon a recess was taken.)

MR. STANETS: The hearing will please come to order.

Mr. Carr, you may continue.

MR. CARR: At this time we call Mr. Aycock.

WILLIAM P. AYCOCK,  
being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. CARR:

Q Will you state your full name and place of residence?

A William P. Aycock, Midland, Texas.

Q By whom are you employed?

A By Doyle Hartman as a consultant in connection with Cases 8359, 8360, 8361, and 8425.

Q Have you previously testified before this Commission or one of its examiners and had your credentials accepted and made a matter of record?

A I have.

Q Were you qualified as a reservoir engine-

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

eer at that time?

A Yes, I was.

Q Are you familiar with the applications in each of these cases filed on behalf of Mr. Hartman?

A I am.

Q Are you familiar with the subject wells?

A I am.

MR. CARR: Are the witness' qualifications acceptable?

MR. STAMETS: They are.

Q Mr. Aycok, have you analyzed the producing capabilities of each of the wells which are the subject of this hearing?

A I have not analyzed them in detail since the beginning of production, but I have analyzed them in detail since the beginning of the time when detailed information was available, which was January 1st, 1982.

Q In making this analysis what data have you reviewed?

A The monthly production, the number of days produced, the flowing casing pressure, since these wells are all completed on a rod pump, and the meter pressure or delivery pressure that is the basis for the production into the line.

Q And you have done this on each of the wells since January of '82?

A I've done it for -- yes, sir, for the

1  
2 Custer State 1, for the Maralo State 1, for the Late Thomas  
3 2 and 3, and for the Shell State 5.

4 I have made no attempt to analyze the  
5 performance of the Late Thomas 1 or of the Shell State 2,  
6 because they are the admittedly marginal, pre-existing wells  
7 that really don't enter into this application.

8 Q Would you refer to each of the wells and  
9 relate to the Commission what your study shows concerning  
10 the well's producing capability?

11 A For Case 8361, which is the Custer State  
12 1, my approach has been different than Mr. Nutter's in this  
13 regard.

14 I have attempted to determine what the  
15 physical deliverability of the well was at various times  
16 during its life in order to be able to adequately demon-  
17 strate that it was capable of rates far in excess of what it  
18 was allowed to produce, not in the sense of allocation pur-  
19 poses, but the physics of the situation. Was it capable of  
20 producing at rates considerably higher.

21 For the Custer State No. 1 the highest  
22 monthly production from the entire life of the well was in  
23 the month of December, 1983, when it produced 10,362 Mcf in  
24 31 days for an average monthly rate of 334.3 Mcf; however,  
25 when you normalize the previous production for the number of  
26 days, that is not the highest average daily production for  
27 the days produced.

28 Mr. Stamets legitimately brought up the

1  
2 point was -- could you have an application based on the un-  
3 steady state performance of a well as compared to its stab-  
4 ilized performance, and that's one of the questions I've at-  
5 tempted to answer.

6 So in going back and reviewing the month-  
7 ly production normalized for the number of days, I find that  
8 in contrast to this 334.3 in December of 1983 for the Custer  
9 State 1, I have the following:

10 In September of 1983 it produced for 26  
11 days at an average rate of 353 Mcf per day.

12 In October it produced only four days but  
13 it produced at an average rate of 361 Mcf per day.

14 In November of 1983 it produced only 8  
15 days but it produced at a rate of 391 Mcf per day.

16 In February and March of 1984 it produced  
17 100 percent of the time and it produced at rates of 307 Mcf  
18 per day.

19 So for this well it is apparent that  
20 there is not a lot of difference between the unsteady state  
21 and the steady state performance and it is also apparent  
22 that the well has excess capacity as compared to any -- it  
23 never has been produced at its full physical capacity ever.

24 Q Would you now review the information on  
25 the Shell State --

A One more thing. The other thing that I  
have done is to take the cumulative number of calendar days  
since May of 1982 and the cumulative number of days produced



1  
2 since May 1st, 1982, and bring those forward as sums and  
3 then take the ratio between them to see what the participa-  
4 tion on a time basis has been, and as you might expect, the  
5 number starts out over 90 percent in the first month and it  
6 quickly reduces in the range of 60 percent for this well  
7 where it stays through the month of February, 1983, and then  
8 it drops down in the range of 50 to 55 percent where it sub-  
9 stantially stays until March of 1984, when it goes back up  
10 over 60 percent, and due to the fact that the -- that the  
11 lease has been shut in for six months here, I believe, five  
12 months, four months -- five months, beg your pardon, it's  
13 down to the ratio is .52. Out of a total of 915 calendar  
14 days as of November 1st, 1984, the well has been allowed to  
15 produce 476 days, and that's -- the ratio between those is  
16 52 percent.

15 Q Would you now go -- will you now review  
16 the data you're prepared on the Shell State Wells?

17 A On the Shell State No. 5 I've gone  
18 through the same exercise. The highest monthly production  
19 in the entire history of the well was in February of 1984,  
20 when it produced 14,108 Mcf and it produced that in 28 of  
21 the 29 calendar days that were in the month of February,  
22 1984, for an average rate of 503.9 Mcf per day; however,  
23 going all the way back to March of 1983, it only produced  
24 for 7 days. It produced 3523 Mcf, but the average rate once  
25 again is 503 Mcf per day.

So it's apparent that the deliverability

1  
2 has not perceptibly declined over that period of substan-  
3 tially a year, and furthermore, when the capacity of the  
4 well is computed from deliverability, from the wellhead  
5 flowing pressure and is compared to the line pressure, what  
6 could the well put into the line at that point in time if it  
7 were allowed to produce at capacity.

8 The well has never produced at capacity  
9 and has never produced actually over about 50 to 60 percent  
10 of what it was able to produce at that time.

11 So the well is highly capable and has  
12 been so since the beginning of production.

13 As far as the participation on a time  
14 basis, once again, this well has had a higher participation  
15 factor than the Custer State. It started out above 90 per-  
16 cent. It did not get down to -- in fact, it has never been  
17 below 70 percent except for one month since the beginning.

18 So this one has participated on a much  
19 more, well I don't know whether you'd call it an equitable  
20 basis, or however you would describe it, but it has shared  
21 much better in the available time since the market interrup-  
22 tions began than had the previous well, the Custer State.

23 The actual number, it's out of a total of  
24 915 calendar days as of November 1st, 1984, since May the  
25 1st, 1982, the well has produced on 652 days, which is .713  
ratio.

Q Will you now review the information on  
the Maralo State Well?

1  
2           A           On the Maralo State No. 1 the highest  
3 monthly production in the history of the well was in April  
4 of 1984, when it produced all 30 days, produced 14,491 Mcf,  
5 for an average rate of 483 Mcf per day.

6                       However, in the previous month of March  
7 it produced 28 of the available 31 calendar dayss, the aver-  
8 age rate for which was 478 Mcf per day, and in February of  
9 1984 it produced 14 of the available 29 calendar days, pro-  
duced 7050 Mcf, or 504 Mcf per day.

10                      So it is apparent, once again, that  
11 there's very little difference in the unsteady state and the  
12 steady state performance of this well. In other words, the  
13 long term deliverability is -- is not greatly below the  
14 short term deliverability for this well.

15                      To find a comparable figure you would  
16 have to go all the way back to May of 1980 -- I mean, pardon  
17 me, March of 1980, when it produced 10,567 Mcf in 31 days  
for plus or minus a 300 Mcf a day.

18                      So it's apparent that this well has, from  
19 a standpoint of demonstrated daily production rates, the  
20 highest that it's ever produced has been within the last  
21 year, and when you compute the deliverability and compare  
22 that to the -- to what was actually produced, you find that  
23 in general the well has produced no more than 40 to 50 per-  
24 cent of what it could have, what it was able to produce dur-  
25 ing this period of time, and of course it's produced down as  
little as 6 or 7 percent at various times.

1  
2           When you take the time participation into  
3 account from May 1st, 1982, to November 1st, 1984, out of a  
4 total of 915 calendar days available the well has produced  
5 for 426 of those, the ratio of which is .466, once again  
6 showing the variation in the time that these wells have been  
7 allowed access to the market since the market interruptions  
8 began.

9           We're all over the page here on these  
10 things and some of them we're in pretty good shape, and on  
11 one like this we're in very poor shape, less than 50 percent  
12 of the time has the well been allowed to produce into the  
13 market.

14           Q           Mr. Aycock, would you now review the in-  
15 formation on the Late Thomas Lease?

16           A           On the Late Thomas Lease, Mr. Nutter's  
17 presentation was on a lease total basis, including all three  
18 of the simultaneously dedicated wells.

19           I looked at only the Late Thomas 2 and 3  
20 as individual entities and did not make any attempt to ana-  
21 lyze the Late Thomas No. 1.

22           The highest monthly production in the  
23 history of the -- of the well was in the month of December,  
24 1983, when it produced 19,260 Mcf in 31 of the 31 available  
25 calendar days, for an average rate of 621 Mcf per day; how-  
ever, on a short time basis back in November, it produced  
1952 Mcf per day in two days for an unsteady state rate of  
976 Mcf per day.

1  
2 Further than that, in the months of Jan-  
3 uary through May, it produced at average rates with substan-  
4 tially full production, in other words, producing all of the  
5 calendar days available, it produced at rates of slightly  
6 less than from 543 to 593 Mcf per day in an irregular pat-  
7 tern, basically declining but very slowly.

8 So once again it looks like, except for  
9 very, very short term, the short term deliverability and the  
10 long term deliverability do not -- once you get past a few  
11 days the deliverabilities do not vary very greatly.

12 And you go back in the life of the well  
13 and you don't find numbers greatly in excess of those all  
14 the way back into -- into early '83. You don't find any of  
15 them in '82.

16 When you compare the capacity of the well  
17 and what the monthly gas production has been by making the  
18 deliverability analysis, you find out that the well has pro-  
19 duced as little as 6 percent of what it was capable of, and  
20 generally produced about 25 percent of what it was capable  
21 of, and in one month, when it produced 16,916, it indicated  
22 it was 52 percent of what it should have produced in that  
23 month.

24 So the well is capable of producing over  
25 a million cubic feet of gas a day on a long term basis, in  
my opinion.

It's never come anywhere close to that in  
allowable. It's come, you know, up to maybe as close as

1  
2 2/3rds of that, and that's as close as it's ever gotten.

3           When you look at the participation from a  
4 time factor, starting with May 1st, 1982, through November  
5 1st, 1984, you find out that of the total of 915 calendar  
6 days available, the well has produced for 495 of them, which  
7 the ratio between is .451.

8           So once again we have a number that's  
9 down lower than we would like to see it.

10           The Late Thomas No. 3, a similar analysis  
11 has been made.

12           The highest production in the history of  
13 the well in this case was in December of 1982, when it pro-  
14 duced 18,342 Mcf in 31 days, for an average rate of 543 Mcf  
15 per day; however, when normalized for the number of days, it  
16 has produced in the range of 5 to 600 Mcf per day basically  
17 or above for the whole year of 1983, and for a portion of  
18 the year of 1984, and further, when you compute the deliver-  
19 ability by taking the pressures and comparing those to the  
20 line pressure that it would have to buck to produce it, you  
21 find that the well has, in general, has produced 50 to 70  
22 percent of its capability and has produced as little as  
23 about 7 percent at various months during this period of  
24 time.

25           When you look at the time participation,  
26 you find out that from May 1st, 1982, through October 31st  
27 of 1984, of a total of 915 available calendar days, the well  
28 has produced for 494, the ratio between which is .54.

1  
2                   So once again, we have a relatively low  
3 time participation that's been allowed for this well since  
4 the market interruptions began.

5                   It is my opinion, based on this analysis,  
6 that all of these wells that have been discussed in detail,  
7 that is, the Custer State 1, the Shell State 5, the Maralo  
8 State 1, and the Late Thomas 2 and 3, have been capable of  
9 rates that were far in excess of what would have been under  
10 the top allowable in the beginning and they still are cap-  
11 able of this, and from a physical standpoint there is no  
12 reason they should ever have been classified as anything but  
13 nonmarginal.

14                   MR. CARR: I have no further  
15 questions of Mr. Aycock.

16                   MR. STAMETS: Any questions of  
17 the witness?

18                   He may be excused.

19                   MR. CARR: That concludes our  
20 direct case.

21                   MR. STAMETS: Does anyone else  
22 have anything they wish to add in these cases?

23                   They will be taken under ad-  
24 visement.

25                   MR. CARR: I -- I do have a  
closing statement.

MR. STAMETS: Oh. All right.

MR. CARR: And I will keep it

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

brief.

MR. STAMETS: Very good.

MR. CARR: May it please the Commission, Mr. Hartman is before you today seeking reinstatement of the cancelled underproduction for four Jalmat leases.

The evidence presented upon which your decision should be based, we believe shows that the wells involved were always capable of nonmarginal production. They couldn't make the non -- and they could make the nonmarginal allowable assigned to the well.

The wells are truly nonmarginal and we're talking here only about four wells out of the 90 to 100 wells that Mr. Hartman operates in New Mexico.

Due to problems in the gas market the wells were classified and reclassified back and forth from marginal to nonmarginal and back again, and what the result was was the cancellation of accumulated underproduction.

Had we applied for reinstatement of this underproduction within fifteen days under Rule 16-A, we believe the underproduction would have been quickly reinstated.

But the problem we had was that the situation is complicated and has taken a substantial period of time to collect the data and analyze the data, to evaluate the magnitude of the problem, and to come before



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

you seeking relief.

What we're here today seeking is an order that will protect Mr. Hartman's correlativer rights, which will enable him to produce allowable to which he was entitled and to which he would still be entitled if in fact the reason for classifying these wells was their ability to produce and not fluctuations in the marketplace.

Now we have no quarrel with what El Paso has done. We have no quarrel with what anyone has done in this case. We simply have a problem that springs from the way the system works and we're coming before you asking you to enter an order which will protect our correlative rights and enable us to produce gas which we submit we're entitled to produce.

MR. STAMETS: If there is nothing further, the cases will be taken under advisement.

The hearing is hereby adjourned.

(Hearing concluded.)

## C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY  
that the foregoing Transcript of Hearing before the Oil Con-  
servation Division was reported by me; that the said tran-  
script is a full, true, and correct record of the hearing,  
prepared by me to the best of my ability.

Sally W. Boyd CSR