

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

22 May 1985

EXAMINER HEARING

IN THE MATTER OF:

Application of Hondo Drilling Company      CASE  
for hardship gas well classification,      8609  
Eddy 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

MR. STOGNER: Call next Case

3

Number 8609.

4

MR. TAYLOR: Application of

5

Hondo Drilling Company for hardship gas well classification,

6

Eddy County, New Mexico.

7

MR. PEARCE: Once again, Mr.

8

Examiner, I am W. Perry Pearce of the law firm Montgomery

9

and Andrews of Santa Fe, representing El Paso Natural Gas

10

Company.

11

We request that we be allowed

12

to make a statement at this time in Cases 8609, 8610, and

13

8611, rather than having the El Paso personnel make another

14

trip for these cases.

15

MR. STOGNER: At this time I'm

16

going to call Case 8610 and 8611, which are both applica-

17

tions of Hondo Drilling Company for hardship gas well clas-

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sification, Eddy County, New Mexico.

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The applicant has requested

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that these cases be continued to the Examiner Hearing sched-

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uled for June 19th, 1985.

22

At this time we will consoli-

23

date these cases for the purposes that a statement may be

24

made by El Paso Natural.

25

Please continue, Mr. Pearce.

1 MR. PEARCE: Thank you, Mr.  
2 Examiner, I appreciate it.

3 As you stated, Mr. Examiner,  
4 these cases are on the applications of Hondo Oil & Gas Com-  
5 pany for hardship gas well determinations.

6 In each of these cases El Paso  
7 Natural Gas is the purchaser of gas from the wells and has  
8 for some period of time been attempting to arrive at a co-  
9 operative effort with the operator of these wells to assure  
10 ratable taking of gas from them.

11 El Paso Natural Gas has in fact  
12 incurred substantial added expense on each of the wells in-  
13 volved in these three cases by installing additional valves  
14 that El Paso would control at the wells in question so that  
15 they can be regulated to produce only a ratable amount of  
16 gas.

17 These efforts began in approxi-  
18 mately May of 1984.

19 Now, approximately a year later  
20 the applicant has applied for hardship gas well classifica-  
21 tion after El Paso has incurred substantial additional ex-  
22 pense.

23 El Paso has now journeyed to  
24 Santa Fe to participate in this hearing which should finally  
25 resolve the questions of whether or not these wells are pro-

1 perly entitled to hardship gas well classification. On ar-  
2 riving at Santa Fe, El Paso discovered that the applicant in  
3 these cases has requested continuance until June 19th of  
4 1985.

5                   These wells currently are pro-  
6 ducing under emergency hardship gas well classification  
7 granted by the District Supervisor and our review of the  
8 correspondence from the District Supervisor to the applicant  
9 in these cases indicates to us a very wide range of produc-  
10 ing abilities of these wells.

11                   Running through them, one well  
12 has been granted emergency hardship classification for 285  
13 MCF per day; another for 722; one for 11 MCF; one for 7.35  
14 MCF; one well has been granted emergency hardship gas well  
15 classification for 1000 MCF a day; one for 40; and one for  
16 322.

17                   Mr. Examiner, we request that  
18 the Division carefully review each of these applications to  
19 insure that in order to prevent underground waste it's  
20 necessary for that amount of gas to be produced from any of  
21 these wells if, in fact, any steady production is necessary.

22                   In addition, El Paso is con-  
23 cerned that these cases not be continuously continued until  
24 the full ninety-day period is up. Our recollection is that  
25 when these rules were instituted the ninety-day period was

1 inserted to insure that the Division would have sufficient  
2 time to act on these applications. I not understand that  
3 grant of ninety days to be a guaranteed ninety days produc-  
4 tion under that emergency status.

5 We would request that these  
6 cases not be granted another continuance after June 19th;  
7 that is the applicant is not prepared to go forward at that  
8 time, we would request that the cases be dismissed and that  
9 the emergency hardship status be terminated.

10 Once again, Mr. Examiner, El  
11 Paso understands that there are wells which deserve and need  
12 hardship classification in order to prevent underground  
13 waste. We think the historically pursued goal of ratable  
14 taking, which has been pursued by the State of New Mexico  
15 and El Paso Natural Gas, is an important element in the  
16 natural gas production system of the State of New Mexico.

17 Therefore, we ask you to care-  
18 fully review each application brought before you to insure  
19 that all possible steps have been taken; to interfere in the  
20 least possible way with the ratable take system; and that no  
21 hardship gas well classification be granted unless the  
22 granting of the application is necessary to prevent under-  
23 ground waste.

24 Thank you, sir.

25 MR. STOGNER: Thank you, Mr.

1 Pearce, your statement will be made part of the record on  
2 ech of these cases.

3 Is there anything further in  
4 any case -- in Cases 8609, 8610, or 8611 to be considered at  
5 this time?

6 If not, all three of these  
7 cases will be continued to the Examiner's hearing scheduled  
8 for June 5th, 1985, at which time they will be continued  
9 again to the Examiner Hearig scheduled for June 19th, 1985.

10

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(Hearing concluded.)

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## 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 No. 8608  
heard by me on 27 May 1985.

Michael J. Stegall Examiner  
Oil Conservation Division

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
State Land Office Building  
Santa Fe, New Mexico

19 June 1985

EXAMINER HEARING

IN THE MATTER OF:

Application of Hondo Drilling Com-      CASE  
pany for hardship gas well class-      8609  
ification, Eddy 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 El Paso Natural:      John Nance  
                                 Attorney at Law  
                                 El Paso Natural Gas Co.  
                                 P. O. Box 1492  
                                 El Paso, Texas 79978



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MR. STOGNER: We will call next  
Cases 8609, 8610, and 8611.

MR. TAYLOR: The applicatin of  
Hondo Drilling Company for hardship gas well classification,  
Eddy County, New Mexico.

MR. STOGNER: We will call for  
appearances at this time. Mr. Nance.

MR. NANCE: Mr. Examiner, rep-  
resenting El Paso National Gas Company, my name is John  
Nance.

For purposes of hearing at  
these hearings I'm associated with the firm of Montgomery  
and Andrews of Santa Fe.

MR. STOGNER: Do you have a  
statement at this time, Mr. Nance?

MR. NANCE: Yes, sir, Mr. Exa-  
miner.

El Paso understands that the  
hearing in these cases has been postponed again until July  
2nd.

We would like to reiterate the  
position stated by Perry Pearce on behalf of El Paso at the  
May 22nd call of these hearings.

El Paso is concerned that pro

1     duction in the State of New Mexico be ratable. We recognize  
2     that to the extent that a well is granted hardship status,  
3     that it has an impact on other wells that are subject to the  
4     proration rules in the state.

5                     We feel that any well that is  
6     granted an emergency hardship classification, as has been  
7     done in this case, and where such classification is con-  
8     tinued during the delays that are involved in the several  
9     continuances of the hearing, that those wells are infringing  
10    on and abusing the procedure that allows an emergency clas-  
11    sification to be granted.

12                    El Paso feels strongly that at  
13    the July 2nd hearing consideration should be given by the  
14    Examiner to dismissing the applications at that point. We  
15    recognize that there has been a proposal made that a second  
16    continuance in cases like this be grounds for dismissal of  
17    the application. We would support the position like that.

18                    In this particular circumstance  
19    there perhaps has not been notice of that suggested proce-  
20    dure to the applicant and it may not be appropriate in this  
21    particular circumstance to dismiss the applications out-  
22    right, but very strong consideration should be given to that  
23    and particular attention should be paid to the -- to the  
24    case that is presented by the applicant in order to justify  
25    the hardship well classification here.

1 MR. STOGNER: Is that every-  
2 thing, Mr. Nance?

3 MR. NANCE: I think that will  
4 suffice real fast for today but we do intend to be here on  
5 July 2nd.

6 MR. STOGNER: Thank you, Mr.  
7 Nance. Your comments will be so noted in the record.

8 MR. NANCE: Thank you, Mr.  
9 Stogner.

10 MR. STOGNER: At the request of  
11 the applicant and upon instructions from the Division Direc-  
12 tor, Cases Number 8609, 8610, and 8611 will be continued to  
13 the Examiner's Hearing scheduled for July 2nd, 1985.

14  
15 (Hearing concluded.)

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## 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 Examination hearing of Case No. 8609.  
heard by me on 19 June 1985.  
Michael E. Stapp, Examiner  
Oil Conservation Division

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

2 July 1985

EXAMINER HEARING

IN THE MATTER OF:

Application of Hondo Drilling Company	CASE
for hardship gas well classification,	8609
Eddy County, New Mexico.	8610

and

Application of Hondo Drilling Company	CASE
for five hardship gas well classifi-	8611
cations, Eddy County, New Mexico.	

BEFORE: Gilbert P. Quintana, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

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

For Hondo Drilling Co.:	Joel M. Carson
	Attorney at Law
	LOSEE & CARSON P.A.
	P. O. Box 239
	Artesia, New Mexico 87501

## A P P E A R A N C E S

For EPNG Co.:

John F. Nance

Senior Attorney

El Paso Natural Gas Co.

P. O. Box 1492

El Paso, Texas 79978

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MR. QUINTANA: We'll call next

3

Case 8609.

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MR. TAYLOR: The application of  
Hondo Drilling Company for hardship gas well classification,  
Eddy County, New Mexico.

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8

9

MR. CARSON: Mr. Examiner, my  
name is Joel Carson, Losee and Carson, P. A., Artesia, New  
Mexico.

10

11

12

13

I'm here representing the ap-  
plicant and we are also the applicant in Cases Number 8610  
and 8611, for a total of seven wells. The wells are all lo-  
cated in essentially the same area.

14

15

16

17

The well in Case 8610 is a Cis-  
co, while the other two -- other six are Morrow wells, and  
would it be permissible simply to consolidate these for the  
purposes of hearing?

18

19

MR. QUINTANA: Is your testi-  
mony that you've prepared --

20

21

22

23

24

MR. CARSON: The testimony will  
be in general as -- we can perhaps expedite things to a cer-  
tain extent in that some remarks will be general and as it  
applies to a particular well, of course, the exhibit indi-  
cates.

25

MR. QUINTANA: for purposes of

1 consolidating testimony, in the interest of expediting these  
2 cases as far as hearing them, we'll call Case 8609, Case  
3 8610, and Case 8611.

4 These are all applications of  
5 Hondo Drilling Company for hardship gas well classifica-  
6 tions.

7 You may proceed.

8 MR. CARSON: I propose to have  
9 one witness, Mr. Raymond Lamb.

10 MR. QUINTANA: Are there fur-  
11 ther appearances in this matter?

12 MR. NANCE: Mr. Examiner, my  
13 name is John Nance on behalf of El Paso Natural Gas Company.

14 El Paso has one potential wit-  
15 ness here and we wish to swear him in in the event that we  
16 do decide to present evidence this morning.

17 MR. QUINTANA: Fine. Would all  
18 witnesses and potential witnesses please stand and be sworn  
19 in at this time?

20

21 (Witnesses sworn.)

22

23 MR. CARSON: May I proceed?

24 MR. QUINTANA: Yes, you may.

25

1

2

N. RAYMOND LAMB,

3

being called as a witness and being duly sworn upon his

4

oath, testified as follows, to-wit:

5

6

## DIRECT EXAMINATION

7

BY MR. CARSON:

8

Q

Would you state your name, please?

9

A

N. Raymond Lamb.

10

Q

And, Mr. Lamb, by whom are you employed?

11

A

I'm a consultant and I'm employed at this  
time Hondo Drilling Company.

13

Q

And what are you by education?

14

A

I'm a graduate geological engineer.

15

Q

Have you previously testified before this  
Commission?

17

A

Yes, I have.

18

Q

And have your qualifications been accep-  
table?

20

A

Yes.

21

MR. CARSON; Is the witness'  
qualifications acceptable?

23

MR. QUINTANA: You said you  
have testified before the Commission?

25

MR. CARSON: Yes, sir.

1           A           Well, I started in 1942.

2                           MR.    QUINTANA:    I see.    His  
3   qualifications are accepted.

4           Q           Mr.  Lamb, referring first to Application  
5   Number 8609,  which is the Union Texas State Com No. 1 Well,  
6   are you acquainted with that application?

7           A           Yes, I am.

8           Q           And you -- it was --

9           A           You need to give me a copy.

10          Q           I'm sorry.

11

12                   (Thereupon a discussion was had off the record.)

13

14          Q           Now,  back to Case 8609,  Mr.  Lamb,  you  
15   have examined the application and are conversant with what  
16   it says, are you not?

17          A           Right.

18          Q           And in general terms it appears that Hon-  
19   do has -- perhaps I should ask,  what is the general purpose  
20   of the application?

21          A           The application is for a request to re-  
22   lief the operation of this well from periodic and scheduled  
23   and voluntarily announced shut-in periods by the pipeline  
24   company taking the gas.

25          Q           And the request states that the shutting

1 in of this well causes intrusion of water into the well,  
2 which permanently damages the formation and makes it diffi-  
3 cult to restore production, if, in fact, production can be  
4 restored, is that correct?

5 A That's correct.

6 Q Do you agree with that engineering or  
7 geological conclusion, as the case may be?

8 A Well, this well is in the category of a  
9 -- all Morrow gas wells in southeast New Mexico. The forma-  
10 tion has a characteristic of being subject to downhole dam-  
11 age, or in-hole damage, from shut-in periods of (not under-  
12 stood) the water and which causes logoffs in some cases --  
13 we have one later on which is an obvious logoff.

14 To take a logoff test on each well for  
15 determining the damage is almost an impossible situation un-  
16 less we would elect to vent our gas for a relative period of  
17 time, which we do not feel is to our advantage and to the  
18 royalty owner, and probably would not give us the full in-  
19 formation.

20 The logoff test taken under a pipeline  
21 delivery basis is not a reliable procedure in that we have a  
22 varying pipeline pressure. So that would have a big in-  
23 fluence on any interpretation of the test, would really not  
24 be reliable.

25 Q Has there -- is there anything that you

1 have done, Mr. Lamb, or Hondo has done or can do, to, as I  
2 would say to rectify the problem of shutting in this well?

3 I mean can you do something to minimize  
4 the damage or to make it where it would be easier on El Paso  
5 in their --

6 A Well, the only thing that can be done at  
7 this point is to eliminate the shut-in times; that is, phy-  
8 sical shut-in times, which are announced by El Paso at var-  
9 ious intervals. There's no system to periods of time.

10 We are confronted continuously with a  
11 varying line pressure and those we understand and we accept  
12 it because it's a way of existence at this point.

13 Q Is -- so is there -- is there anything  
14 engineeringwise you can do to make these wells better and  
15 fight the problem, so to speak?

16 A Well, you mean downhole rework or stimu-  
17 lation or --

18 Q Yes.

19 A -- that type of thing?

20 Q That's right.

21 A There's none we can do at this point.

22 Q Were the -- there is attached to the ap-  
23 plication in 8609, which we've marked Exhibit One, a schema-  
24 tic diagram. Would you refer to that diagram and I will ask  
25 you if that is correct to the best of your knowledge and be-



1    lief?

2                   A           This plat, to the best of my knowledge,  
3   is correct, and I will say that the rest of the information  
4   that is supplied, I did not make the preparation of the ap-  
5   plication, but in examining it I believe that it is correct  
6   and reliable.

7                   Q           Exhibit One in Case 8609 also has a plat,  
8   and we will refer to another plat as Exhibit Two shortly, so  
9   I'll skip that for the time being.

10                               There is also attached thereto, is noti-  
11   fications to offset operators, is that not correct?

12                   A           That's correct.

13                   Q           I would like to refer you, Mr. Lamb, to  
14   what I have marked as Exhibit Two, which for purposes of the  
15   record should be noted to be applicable to exhibits to Cases  
16   8609, 8610, and 8611.

17                               Would you -- was that plat prepared by  
18   you or under your supervision?

19                   A           It was prepared by me.

20                   Q           Would you explain to the Examiner what  
21   that plat purports to show as to, I suppose, as to all three  
22   cases?

23                   A           The plat in assorted colors sets out each  
24   of the proration units and wells that are covered by all  
25   three cases.

1           The yellow dots on the wells are the ones  
2 involved in this hearing.

3           There is one of the tracts which is brown  
4 in Section 31 that has a blue dot and it is designated be-  
5 cause it's Cisco production.

6           The flourescent orange dots are the  
7 producing wells in the area as related to the leases  
8 involved and this production.

9           This plat was put together to give an  
10 overall view rather than individual plats.

11           Q           Mr. Lamb, that plat also has some typed  
12 information on it. Would you explain what that shows?

13           A           Well, the typed information which is on  
14 here is -- is taken from C-115 reports. The first number is  
15 the oil production, the second number is the water, and then  
16 the gas and then the number of days production, again the  
17 gas, and the purchaser.

18           The reason these numbers are repeated  
19 happens to be that they are January figures. The second  
20 number which appears is a cumulative number for the year;  
21 however, in this case, being the first month, they are the  
22 same.

23           Q           I would refer you to applicant's Exhibit  
24 Number Three, and ask you to identify that, or did I fail to  
25 give you one? Here you go.

1                   Would you -- was that Exhibit Number  
2 Three prepared by you or under your supervision?

3                   A           It was prepared by me.

4                   Q           Would you tell the Examiner what that ex-  
5 hibit purports to show?

6                   A           This is a graph of the monthly gas pro-  
7 duction on the Union TX No. 1. It covers a period '82, '83,  
8 and '84 and the update of '85.

9                               It is a monthly production sold into the  
10 gas line. There is no adjustment for shut-in time and the  
11 other indicators on the plat show an "SI", which means the  
12 times that the well was officially shut in by notice from 19  
13 - early 1984 through '85; the prior ones were not desig-  
14 nated.

15                  Q           Mr. Lamb, you -- what is the cost to  
16 bring this well back on production once it has been shut  
17 down?

18                  A           Well, I can give you an average cost be-  
19 cause you -- you don't really know whether it's going to  
20 take one day of swabbing or two days of swabbing, or what,  
21 but a one day swab job would run about \$1000.

22                  Q           And does that include the lost gas that  
23 you would have completing the swab job?

24                  A           Well, it', number one, the lost gas that  
25 you refer to is that number one, you're going to lose 10-

1 12,000 feet of gas in 2-3/8ths tubing under a pressure, bas-  
2 ically, to begin with, of 600 pounds. So you're going to  
3 lose 10 or 12 MCF of gas there, plus, if it's a continued  
4 swabbing, you'd have an additional amount of gas which is a  
5 little difficult to estimate.

6 Yes, it's in there.

7 Q Mr. Lamb, I want to refer you to appli-  
8 cant's Exhibit Number Four and ask if you would identify  
9 that.

10 A It is a tabulation prepared by the opera-  
11 tor in his office of the monthly production from January,  
12 1984, through May of 1985, showing the gas production or  
13 revenue, oil and gas production, the working interest in-  
14 come, the cost of operation, and a profit and loss state-  
15 ment.

16 Q Mr. Lamb, the regulation calls for, or  
17 advises that in some cases the taking of a flow or so-called  
18 logoff test. Have those tests been made in this case?

19 A The daily production test and the charts  
20 that I have are here. As I say, the logoff testing on all  
21 of these wells is very difficult and unreliable unless  
22 you're prepared to vent all of the gas during the test per-  
23 iod to the air, which we feel is above ground waste.

24 And the reason for that is that you do  
25 not have a uniform line pressure during any 24-hour period,

1 so you have a varying line pressure which needs to go into  
2 any calculation and therefore I can give you none on this  
3 well.

4 Q Were the logoff tests that were performed  
5 on some of these wells performed with the -- under the --  
6 with the inspection of the New Mexico Oil Conservation Divi-  
7 sion?

8 A Yes, sir.

9 Q And are those records on file with the  
10 Division?

11 A Yes, and I know they are in the Artesia  
12 office.

13 MR. CARSON: Mr. Examiner, we  
14 have the results of those or the graphs. Would it be pre-  
15 ferable for the Division to take administrative notice of  
16 its own records or would you like for us to reproduce those  
17 for purposes of putting in this?

18 A Joel. Joel.

19 MR. CARSON: We have the --

20 A We have made no conclusions of logoffs  
21 from these, but they are available to you.

22 MR. QUINTANA: I'll take ad-  
23 ministrative -- I'll take the route of taking administrative  
24 notice of the -- our Artesia District's records and I'll  
25 just take a look at those; I'll retrieve them from there.

1 MR. CARSON: Okay, sir.

2 Q Mr. Lamb, in your professional opinion  
3 would failure to grant this hardship gas well designation  
4 result in premature abandonment of this well?

5 A Yes. These temporary shut-ins -- these  
6 temporary shut-in schedules have not basically been extreme-  
7 ly detrimental to this point, but as the production decline  
8 comes about, we're going to face more of it and you'll see  
9 the final evidence on another well which we have to report  
10 later.

11 Q Mr. Lamb, in your professional opinion  
12 would the granting of this application prevent underground  
13 waste, protect correlative rights, and prevent the premature  
14 abandonment of this well?

15 A Yes, but I would make one comment on the  
16 correlative rights.

17 We have no concern about correlative  
18 rights between our property and the adjacent property in  
19 that correlative rights applies only to the relationship of  
20 wells in the common pool.

21 We have really no problem at this stage  
22 of depletion of our well that correlative rights is going to  
23 be violated on anybody's part.

24 Q Will the granting of this application  
25 prevent the loss of reserves which could otherwise be re-

1 covered?

2 A Yes, it would.

3 MR. CARSON: Mr. Examiner, I  
4 would like to move the admission of the exhibits in this  
5 case. One through Four I believe is what they're numbered.

6 MR. QUINTANA: Exhibits One  
7 through Four will be entered.

8 MR. CARSON: I don't have any  
9 further questions of Mr. Lamb.

10 MR. QUINTANA: Mr. Nance, do  
11 you have any questions of the witness?

12 MR. NANCE: Are we going to --

13 MR. CARSON: We'll go on, if  
14 you'd like, and do them all at once, would be fine with me.

15 MR. NANCE: I would be happy to  
16 ask a couple questions at this point. I don't want to pre-  
17 clude the opportunity to ask questions relative to this well  
18 in light of the entire showing once that's been --

19 MR. CARSON: We have no objec-  
20 tion if he wants to ask them that pertain to all wells at  
21 the end. It just depends on what's convenient.

22 MR. QUINTANA: I would prefer  
23 that you ask questions right after each exhibit, because  
24 when I'm writing my notes here, it makes it easier for me to  
25 write my notes pertaining to one specific well, you know, I

1 may, grant one well, I may grant all wells, I don't know,  
2 and that way I can, when I go through my notes again, I look  
3 back and know what happened, I can look in one section and  
4 they'll all be in one section.

5 If you have questions to ask,  
6 please ask them at this time.

7 MR. NANCE: Yes, indeed.

8

9 CROSS EXAMINATION

10 BY MR. NANCE:

11 Q Mr. Lamb, with respect to this well, the  
12 Union Texas State Com No. 1, it appears that you have made a  
13 showing of some of the results of the wells having been shut  
14 in.

15 The copy of Exhibit Number Three that I  
16 had seen, indicates some dropoff in production but I -- I  
17 did not see that there seems to be a serious and lasting ef-  
18 fect in reduced production following shut-in periods.

19 Do you see that a little differently?

20 A Well, you are correct in seeing what we  
21 have here, but what I said later was we are at the point of  
22 continued shut-in at unequal, unscheduled times, of causing  
23 problems which we would prefer now to avoid.

24 We do not want to walk into logoffs with-  
25 out making every effort we can to stay out of it.



1 Q I see.

2 A And we know that it's coming.

3 Q What you're saying, however, is that up  
4 to this point you have not experienced that type of --

5 A It's not serious.

6 Q -- problem yet. As far as variations in  
7 pipeline pressure are concerned, is this something that is  
8 unusual or is this more a standard operation condition that  
9 every operator faces in the operation of a well?

10 A All operators face it unless they go to  
11 the compressor.

12 Q Now, in making an application for a hard-  
13 ship well application -- excuse me.

14 In making an application for a hardship  
15 well classification there are a number of showings that are  
16 suggested, among them being efforts to correct problems  
17 within the well.

18 A We've had no problems within the well.

19 Q The harm that has resulted when the well  
20 has been shut in and in terms of actual harm to the well or  
21 -- or to the reservoir itself, there is none of that that  
22 you can demonstrate at this point, is that correct?

23 A It's not pronounced at this point.

24 Q Okay. What specifically do you see as  
25 the problems with the well, if any, in addition to the -- to

1 the water that would accumulate during the shut-in period?

2 A Well, the water accumulation will cause  
3 two things.

4 Number one, it will load up. In other  
5 words, a restricted flow on the well will let water accumu-  
6 late in the bottom and in time kill the well.

7 When the accumulation of water in the  
8 bottom of the hole has bene known, and does, cause a precip-  
9 itation in the reservoir, it causes a blockage of -- with  
10 the silting material in the collection, and sometimes scale.

11 Now the Morrow is a very unusual, and I'm  
12 sure that they've heard this in the Commission, erratic-type  
13 formation, and a complete prediction from one well to an-  
14 other is not a very easy thing to do, but from the overall  
15 history of the Morrow, we want to be as careful as we can  
16 not to cause underground waste, logging off, and the loss of  
17 production of ultimate recovery.

18 Q Do you feel that this well, though, is in  
19 any sense unusual and deserves any type of special treatment  
20 in relation to wells, other wells that are in the area?

21 A Well, most of the wells in the area, well  
22 fifty percent of the wells in the area covered by this re-  
23 quest, these requests --

24 Q Right.

25 A -- and I would think in time most of the

1 other wells will be, the operator will be asking for a con-  
2 tinued flow on market demand which controls the line pres-  
3 sure and we understand that that's something that you can't  
4 do anything about, and we understand that the other mar-  
5 keters can't do anything about, but we would like for the  
6 schedule shut-in out of your office on the computer to be at  
7 an absolute minimum because in time it is going to cause us  
8 loss of production and reserves.

9 Q Are there periods of time that you, in  
10 your opinion, would not be harmful -- a minimum period of  
11 time that would not be harmful for the well to be shut in?

12 A Well, do you mean time? Do you mean  
13 hours, days?

14 Q In terms of hours or days, yes.

15 Q Any -- any shut-in on a well that is ap-  
16 proaching its flowing ability is going to be harmful and  
17 it's just as bad, almost, for an hour as it is for a day.

18 Q Is there any --

19 A The stopping of the movement of the fluid  
20 is the basic problem.

21 Q Is there any study that you have made on  
22 this particular well of a minimum flowing rate that could be  
23 sustained that would prevent the types of problems that  
24 you're discussing here that would be less than the full pro-  
25 ducing capacity of the well, that would allow El Paso, for

1 example, as the pipeline, to take less than full production  
2 but still keep the well on line?

3 A Well, our application states a 722 Mcf a  
4 day. Personally I think there's a little margin in that  
5 number.

6 Q What is the current producing rate of the  
7 well?

8 A That would be about the average current  
9 producing rate.

10 Q So there is not a specific study that has  
11 been made of a lower acceptable figure?

12 A Well, as -- let me go over this again.

13 Q Yes, sir.

14 A To reduce the flow of the well with the  
15 cycle of pressures that we have in the line would not give  
16 you the basic information you need to make the determina-  
17 tion.

18 Q This is the logoff test you're talking  
19 about?

20 A Yes.

21 Q All right, and the logoff test has not  
22 been conducted on this particular well?

23 A Well, we have these tests, but as I said  
24 a minute ago, we have drawn no conclusions from them because  
25 of the varying pressure of the line, and the well floats on

1 the line.

2 Q So there are certain--

3 A In other words, we have no choke on the  
4 well.

5 Q There are --

6 A The well floats on the line.

7 Q There are certain periods of time, in  
8 other words, that 500 MCF a day, perhaps, might be an accep-  
9 table rate and other times in which that would be too low to  
10 prevent the problems you're talking about here.

11 A Well, we, of course, would prefer the  
12 720, but 500 would -- would let us live, but, well, we don't  
13 say any particular reason that this well, being cut below  
14 its ability with the other wells in the area on a top allow-  
15 able.

16 Now we really prefer not to be shut-in on  
17 the schedule we are shut-in by the pressure, but we will --

18 Q The gathering line pressure, is that what  
19 you mean?

20 A On the gathering line pressure we are  
21 shut-in but we prefer not to have any physical shut-in.

22 We do not want to interrupt the flow of  
23 gas out of the well.

24 MR. NANCE: Mr. Examiner, I  
25 don't think we have any further questions on this particular

1 well at this moment.

2 We would like to be able to ad-  
3 dress this well along with the others, perhaps, later in the  
4 proceeding.

5

6 CROSS EXAMINATION

7 BY MR. QUINTANA:

8 Q Okay, Mr. Lamb.

9 A Yes, sir.

10 Q I have a question for you just to make  
11 this clear in my mind.

12 Is your testimony at this time you have  
13 no problems with the well, no --

14 A That's right.

15 Q -- operating problems. You also have not  
16 experienced a loss of reserves as of yet?

17 A Beg your pardon?

18 Q You have not experienced a loss of re-  
19 serves as of yet?

20 A Future reserves, you're talking about?

21 Q Future recoverable reserves.

22 A We have no evidence of it. You will note  
23 that we have only officially shut-in times on this well and  
24 they have been recent times.

25 Q Now, to clarify in my mind, the reason

1 you're asking for a harshipt gas well classification, you  
2 are telling me that I should grant you a hardship gas well  
3 classification because if I don't allow you to produce at  
4 this requested rate of 722 MCF a day, in the future you will  
5 develop problems with the well as far as loss of reserves.

6 A Right.

7 Q But as of now, you do not have anything  
8 to show that.

9 A Well, we -- no, that's right.

10 Q But --

11 A We're at -- we're at the breaking point  
12 on this well.

13 Q On what do you base that?

14 A Well, on the -- on the evidence that we  
15 will have on other wells. In other words, we have some that  
16 are further down the road than this one.

17 Q And it's your testimony that these other  
18 wells, since they're all Morrow gas wells except for one,  
19 they will pretty much show the same thing for each indivi-  
20 dual well. Fine, we'll take that up when we get to the  
21 other wells.

22 A Okay.

23 MR. QUINTANA: You may proceed.

24 I have no further questions for  
25 the well in Case 8609.

1                               You may proceed with the well  
2 in Case 8610.

3

4                               REDIRECT EXAMINATION

5 BY MR. CARSON:

6                   Q           Mr. Lamb, let's get your exhibits out of  
7 the way for that case so we don't get confused.

8                               Mr. Lamb, I hand you applicant's Exhibit  
9 Number One in Case Number 8610 and ask if you could identify  
10 that?

11                   A           Well, we haven't had --

12                   Q           Could you identify that?

13                   A           This is the application filed by Hondo  
14 Drilling Company in behalf of the Alscott No. 1, which is a  
15 newly completed Cisco Well at this point. It's a similar  
16 type reservoir but it is a different zone.

17                   Q           Are you familiar with the well which is  
18 the subject of this application?

19                   A           I am.

20                   Q           And as was the case with the preceding  
21 application, I believe, that Hondo has stated that the -- it  
22 is their belief that the shutting in of the well would cause  
23 intrusion of water into the well which would permanently  
24 damage the formation and make it difficult to restore  
25 production, is that correct?



1           A           That is correct.

2           Q           And is that -- do you agree with that  
3 statement?

4           A           Yes.

5           Q           You have previously stated what happens  
6 to a well when it is shut-in. Would that statement be the  
7 same --

8           A           Yes.

9           Q           -- for this well? Have you -- to make it  
10 clear, has -- have you done anything or can you do anything  
11 to this well to rectify what you view as the problem caused  
12 by shutting it in?

13          A           No, there is not anything physically that  
14 we can do to the well to -- to restore it.

15          Q           I mean there's not -- you can't change  
16 the size of the tubing or --

17          A           No.

18          Q           -- put in additional equipment, or any  
19 thing like that?

20          A           No.

21          Q           This application, Mr. Lamb, which is mar-  
22 ked as Exhibit Number One, has a diagram of the wellbore.  
23 Would you look at that?

24          A           Okay.

25          Q           Is that diagram true and correct to the

1 best of your knowledge, Mr. Lamb?

2 A To the best of my knowledge it's correct.

3 Q Okay. Mr. Lamb, were the offset opera-  
4 tors notified of this application?

5 A They were.

6 Q We have previously identified and had ad-  
7 mitted into evidence, Exhibit Number Two, applicable to all  
8 cases, which is the colored plat.

9 Would you in Case Number 8610 refer to  
10 that plat and explain its applicability to this particular  
11 case?

12 A The Federal Alscott from the Cisco is lo-  
13 cated in Section 31 of 18, 29, and is identified by the  
14 brown tract that has the blue dot, which is a designation  
15 that it is a Cisco well, the production in the Morrow being  
16 abandoned and coming back up the hole and completing in a  
17 different formation, and you will note the depths are around  
18 9518 to 48; pay zone covers about 30 feet.

19 It's the same type formation as the Mor-  
20 row; therefore we have classified it in with these same  
21 hearings.

22 Q Okay. It has the same problem with -- in  
23 the sense it's easy to damage.

24 A Right.

25 Q Would you refer to what has been called

1 Applicant's Exhibit Number Three, which is a graph?

2 A Okay.

3 Q Would you -- was that graph prepared by  
4 you or under your supervision?

5 A It was.

6 Q Would you explain to the Hearing Examiner  
7 what that graph shows?

8 A The graph is identical in character to  
9 the previous one. It gives the monthly production on a  
10 semilog paper by years, and it is the production by months.  
11 And the arrows in this case also indicate the number of  
12 times, as close as we can put the arrows in, for the time  
13 that's been shut-in since August of 1984.

14 Q Can you draw any conclusions or what have  
15 you learned from this preparation of that exhibit?

16 A Well, the production makes some unusual  
17 changes and the decline is, from prior time, is at the eco-  
18 nomic limit. As a matter of fact, if you'll look at the  
19 next exhibit, we are below the economic limit and have been  
20 since January of 1984.

21 So we are below marginal and below the  
22 economic limit and we certainly feel that the shutting in of  
23 this well during these numerous times is detrimental to the  
24 well.

25 Q Mr. Nance asked awhile ago about what

1 would be the lowest sustainable flow that this well could  
2 stand.

3 A Well, 7.35, which is in the application,  
4 is about as low as -- it also would be a minimum and a maxi-  
5 mum.

6 Q You previously testified as to the cost  
7 of bringing this well back on-stream after each shut-in. Is  
8 that -- is that testimony applicable to this well, as well  
9 as the others?

10 A It would be slightly less but (not under-  
11 stood) because it's shallower. The days of the rig probably  
12 won't change.

13 Q Mr. Lamb, I'm going to refer you to Ap-  
14 plicant's Exhibit Number Four and ask if that was prepared  
15 under your direction?

16 A It was.

17 Q Would you --

18 A No, the Number Four? It was prepared by  
19 Hondo Drilling out of their (not understood).

20 Q But at your request?

21 A Yes, sir.

22 Q Would you explain to the Hearing Examiner  
23 what that shows?

24 A It is a tabulation of the production by  
25 month from January, 1984, to May of 1985. The income to the

1 working interest, the cost of operation, and the profit and  
2 loss statement.

3 Q Mr. Lamb, do you have any predictions as  
4 to the -- what the loss of reserves would be by the prema-  
5 ture abandonment of this well caused by damage to the forma-  
6 tion?

7 A Well, based on evidence of other wells in  
8 the area, the volume certainly can't be large because our  
9 monthly volume is not that large, but to make an estimate,  
10 we're only talking about 50-60 MCF gas.

11 Q That would be lost?

12 A Yes.

13 Q Mr. Lamb, in your professional opinion  
14 would the granting of this application prevent underground  
15 waste, protect correlative rights, and prevent the premature  
16 abandonment of this well, a loss of reserves?

17 A Yes.

18 MR. CARSON: I don't have any  
19 further questions.

20 MR. QUINTANA: Mr. Nance?

21

22 RECROSS EXAMINATION

23 BY MR NANCE:

24 Q Okay. Once again we have a situation,  
25 Mr. Lamb, of there not being a significant change in the pro-

1   duction levels of the well over the history of the well  
2   prior to these announced shut-in periods that you've indi-  
3   cated and that production since those shut-in periods have  
4   been occurring.

5                   Do you truly see an impact of shut-in on  
6   the producing ability of the well?

7           A           Well, I feel that there is an impact and  
8   there will be continued detriment as far as the economics of  
9   the well is concerned by the shut-in periods.

10           Q           As you demonstrated on your Exhibit Num-  
11   ber Four here, the well appears to be operating at a loss  
12   since January of 1984.

13                   Do you feel that allowing the well to  
14   produce at a constant -- well, at its producing ability  
15   without shut-in would tend to allow the well to be operated  
16   at at least a break even or a profit?

17           A           We hope so.

18           Q           You don't have any indication of the pre-  
19   vious economics of the well's operation prior to the shut-in  
20   periods?

21           A           Well, I don't have tabulation of the  
22   shut-in periods, as I said before, I don't have those. The  
23   fact that they're not here doesn't mean that they didn't oc-  
24   cur. It is that I don't have them.

25           Q           I see. Once again you have not indicated

1 in your testimony or your exhibits any corrective action  
2 that might have been taken or that has been taken as far as  
3 trying to prevent the problems that you're talking about in  
4 this well?

5 A Well, we haven't taken any because we  
6 haven't felt -- didn't feel it was justified or would make  
7 that much difference in the (not understood), but nothing we  
8 feel that we can do.

9 Q I see. Each of these shut-in periods  
10 that you have indicated on the Exhibit Number Three, do you  
11 know if all of those are at the request of the pipeline?

12 A Yes, positive.

13 Now, let me explain another thing, Mr.  
14 Nance. These are the official written notices. We do not  
15 have a tabulation of the telephone notices.

16 Q I see.

17 A And there were others than these. These  
18 are the official written ones that I have, and I have evi-  
19 dence to that, but I do not have a complete record of the  
20 telephone calls, "please shut that well in."

21 Q Is this well producing from a prorated  
22 gas pool?

23 A No. It's a single-well pool.

24 MR. NANCE: I don't think we  
25 have any further questions on this particular well, Mr. Exa-

1 miner.

2 MR. QUINTANA: I have no ques-  
3 tions of the witness.

4 A If you will, Mr. Examiner, I'd like to  
5 state one other thing to clear any minds.

6 A shut-in period by notice sometimes will  
7 take in, say, six hours of one day and six hours of the next  
8 day. So on your production records you will show production  
9 on both days but the shut-in period may be a part of it and  
10 that's just a little item that I think needs to be in mind  
11 as to the length of time.

12 I've seen a shut-in notice for an hour  
13 and a half. I've seen a shut-in notice for 3 hours. I've  
14 seen a shut-in notice for 53 hours, and those things give us  
15 problems, not only in the production of the well but the  
16 management of the personnel.

17 And the most annoying are the telephone  
18 calls.

19 Q Is there any indication -- I'm sorry, I  
20 had --

21 MR. QUINTANA: You may cross  
22 examine, if you'd like.

23 MR. NANCE: If I just may ask  
24 one additional question.

25 Q Do you have any indication why production



1 dropped off relatively significantly from February down to  
2 March but then picked up again following March in 1985?

3 A No.

4 Q You don't know what that would be?

5 A There's no physical evidence that -- that  
6 wells, gas wells in particular, in my opinion, are personal-  
7 ities and they have character that carries these things on.  
8 We need to figure it out but sometimes it's very difficult.

9

10 REDIRECT EXAMINATION

11 BY MR. CARSON:

12 Q Mr. Lamb, does this well always produce  
13 at greater than a line pressure?

14 A No. We go back to the shut-in to the  
15 line pressure, we are accepting, not gracefully, but we are  
16 accepting the control which is placed on this well by the  
17 line pressure. It's just something that we and everybody  
18 else has to live with, but the additional shut-in periods  
19 are really, the thing that we're concerned about.

20 Q What is the difference in the effect on a  
21 well between shut-ins caused by line pressure and what  
22 you've previously referred to as physical shut-ins?

23 A Well, a physical shut-in is a -- is a  
24 stationary, no movement.

25 When a well is floating on the line, it

1 can give or take, except it can't take much from El Paso be-  
2 cause it has a check valve on the line, but there is a  
3 breathing and can be a movement, but physically be shut-in,  
4 period.

5 Q Well, what, like geologically or engin-  
6 eeringwise, what is -- what does it do?

7 A Well, we have always had the opinion that  
8 a stationare, permanent shut-in, a no movement of fluid, is  
9 more detrimental than a breathing period.

10 MR. QUINTANA: The testimony  
11 you're about to give is on the next -- Case 8611?

12 MR. CARSON: Yes, sir, we're  
13 going --

14 MR. QUINTANA: We're through  
15 with these for 8610?

16 MR. CARSON; We're through with  
17 8610. We're going on to 8611, the Alscott Federal No. 2.

18 MR. QUINTANA: My, something  
19 came to mind real quickly and I think I know the answer to  
20 it, but I'd better ask it before I forget it this time.

21

22 RECROSS EXAMINATION

23 BY MR. QUINTANA:

24 Q Both these pools are not prorated.

25 A Right.

1 MR. QUINTANA: You may proceed.

2  
3 REDIRECT EXAMINATION

4 BY MR. CARSON:

5 Q Mr. Lamb, I hand you the application for  
6 -- in Case Number 8611 for the Alscott Federal Well No. 2,  
7 and ask if you would identify that?

8 A It is an application prepared by the Hon-  
9 do Drilling Company in Midland for the hardship case of the  
10 Alscott No. 2 Federal Gas Well, producing from the Morrow.

11 Q In that application, as well as the other  
12 applications, Hondo has stated that the shutting in of this  
13 well causes the intrusion of water into the well which per-  
14 manently damages the formation and makes it difficult to re-  
15 store production.

16 Is that -- is that -- do you agree with  
17 that statement?

18 A That's correct.

19 Q Is there anything else that you would  
20 like to add as far as damage caused by shutting in the  
21 well?

22 A No. This -- this well follows the same  
23 pattern as the other wells in the Morrow.

24 We're in the -- at the economic limit  
25 and we're in a marginal stage of production. We have the

1 fear and the concern of logoffs as one other well in he area  
2 has had.

3 Q We've asked you in the previous case, and  
4 I'm not sure that it's been that clear as to what your an-  
5 swer is, but is there anything that you have done or can do  
6 of a remedial nature to prevent this problem?

7 A Everything that we know of to do has been  
8 done and there's nothing else that we know of at this point  
9 that can be done.

10 Q The application for the Alscott Federal  
11 No. 2 has a -- shows a diagram of the wellbore.

12 A Right.

13 Q Is that diagram correct to the best of  
14 your knowledge and believe?

15 A It is correct.

16 Q And you also show notification of the  
17 offset operators, is that correct?

18 A Right.

19 Q I refer you to Applicant's Exhibit Number  
20 Two, which is the combined exhibit in Cases Number 8609,  
21 8610 and 8611, and ask you to explain that exhibit insofar  
22 as it pertains to this case.

23 A The Alscott 2 is in the south half of the  
24 Section 30 of 18, 29. There's 320 acres dedicated to it.

25 The number 27 on the left is the barrels

1 of oil production. Water production is zero. The gas pro-  
2 duction is 4257, and as far as the records, it produced 31  
3 days.

4 Q All right.

5 A This is for January, 1985.

6 MR. QUINTANA: Let me interrupt  
7 you for a second.

8 Are you going to submit one of  
9 these for each one of these wells?

10 MR. CARSON: Yes, sir.

11 MR. QUINTANA: Sally, let's get  
12 off the record for a second here.

13

14 (Thereupon a discussion was had off the record.)

15

16 A And through May of 1985 a dramatic change  
17 in the producing ability of the well, and I also see con-  
18 siderable number of officially shut-in times by El Paso.

19 The swing of production in the latter  
20 part of '83, I do not have any information to explain that,  
21 but we see evidence here of the declining production and we  
22 hope it's not a logoff trend.

23 Q Is your testimony the same as it has been  
24 in the other cases that it costs \$1000 or so per day to swab  
25 these?

1 A Yes, sir.

2 Q I'm going to hand you what I've now mar-  
3 ked as Applicant's Exhibit Number Four-A and ask if that was  
4 prepared at your request?

5 A It was prepared at my request by the Hon-  
6 do Drilling Company of Midland, Texas.

7 Q Okay.

8 A From their official records.

9 Q And tell the hearing officer what that  
10 shows.

11 A It is a tabulation of the gas income --  
12 gas production, the working interest costs, the working in-  
13 terest income, the cost of operation, and the profit and  
14 loss statement.

15 Q Okay. Is there a suggested minimum sus-  
16 tainable flowing rate that -- that you could recommend --

17 A Let me see the application again.

18 Q I think you have it.

19 A Oh, do I have it? Well, 322 MCF a day.

20 Q And what is it now producing, approxi-  
21 mately?

22 A That's approximately the amount it's pro-  
23 ducing.

24 Q Okay, so that any less would what?

25 A Well, it would curtail the flowing and be

1 forced to restrict flow on the well.

2 Q Is this another one of those wells which  
3 is having to fight the line pressure?

4 A Yes.

5 Q At the same time?

6 A Yes. They, all these wells, fight the  
7 line pressure.

8 Q Mr. Lamb, in your professional opinion  
9 would the granting of this application prevent underground  
10 waste, protect correlative rights, and prevent the premature  
11 abandonment of this well and the loss of reserves which it  
12 did to other wells here?

13 A It would.

14 Q Mr. Nance and the Examiner have asked you  
15 from time to time about what makes this well or these wells  
16 unique from other people's wells.

17 A In the area?

18 Q Yes, sir.

19 A There is nothing unique about these  
20 wells, where the others are going to face the same problems  
21 whether they have been in for a hardship case, I don't think  
22 so, but they will be here because they're in the same cate-  
23 gory; the same thing is going to happen to them.

24 Q In other words, what you're saying is  
25 that the shutting in from time to time of the wells in this

1 particular -- the Morrow wells in this particular area, will  
2 cause damage to all of those wells.

3 A That's right; they can expect it.

4 MR. CARSON: I don't have any-  
5 thing further.

6 MR. QUINTANA: Mr. Nance?

7

8 RECROSS EXAMINATION

9 BY MR. NANCE:

10 Q Mr. Lamb, once again there's a situation  
11 here of there not being a clear indication of any sustained  
12 damage to the well during the periods of shut-in, is that  
13 correct?

14 A No. The latter months, which I discussed  
15 a few minutes ago, show evidence of the trend that definite-  
16 ly has turned downward.

17 Q But then the upward turn over the period  
18 from April through May of 1985, similarly there's no explan-  
19 ation for that, either, is that correct?

20 A Well, it's part of the personality of the  
21 well.

22 Q All right. You don't have any explana-  
23 tion for the tremendous swing upward between the end of 1983  
24 and the first couple months of 1984 in the well's producing  
25 history?



1           A           I need your question again.

2           Q           I'm sorry. Do you have an explanation  
3 for the significant upward movement of this production curve  
4 from the period of late 1983 to early 1984?

5                   Is there anything that was done to the  
6 well --

7           A           No, no.

8           Q           at that point that --

9           A           No, no rework.

10          Q           would indicate such a change in pro-  
11 duction?

12          A           No.

13          Q           Do you feel that there may be a produc-  
14 tion level less than the 322 MCF per day that you've indi-  
15 cated in the -- or that has been indicated in the applica-  
16 tion that would, perhaps, be an acceptable level of produc-  
17 tion that would prevent or at least postpone damage to the  
18 well?

19          A           Well, you keep asking this question and  
20 let me go into a little depth on it.

21          Q           Certainly.

22          A           No. Now, the answer is no. In early '87  
23 there will be because that will be its maximum production.

24                   See, you're on a declining basis whether  
25 you can like it or not. You're on a declining basis.

The character of the curves are not normal. If this well were on a uniform line pressure, that curve would be as straight as a string.

4                                   The zigs and zags are from some restric-  
5 tions that we put on the well.   The normal decline is about  
6 15 percent per year in the Morrow.

7 So you ask me if the 322 will be correct  
8 in '87. the answer is probably no. because it won't come  
9 anywhere near that production in '87. It should be down a  
10 good 30 percent.

11 Q Okay. would you agree that what we're  
12 concerned with today is the minimum amount of production  
13 that would be acceptable to prevent damage in the well to-  
14 day?

15 A At this point, right.

16 Q All right. And it is your opinion and  
17 your testimony that the 322 MCF per day which is the current  
18 average rate of production --

19 A That's right.

20 Q is also the minimum rate that would  
21 prevent the damage --

22	A	Right.
----	---	--------

23 Q - that we're talking about.

24	A	Right.
----	---	--------

25 MR. NANCE: I have no further

1 questions on this well.

2 MR. QUINTANA: Bear with me a  
3 second.

4  
5 RECROSS EXAMINATION

6 BY MR. QUINTANA:

7 Q Mr. Lamb.

8 A Yes.

9 Q On your Exhibit Number Three-A, that lat-  
10 ter -- I mean the first part of 1985 shows a sharp decline  
11 in monthly gas production, can that sharp decline be attrib-  
12 utable to the fact that they were being shut-in at that time  
13 and not based on the capacity of the well to produce?

14 A Well, that is the only outward influence  
15 that was put on the well, except as we've talked about many  
16 times, the cycle of the line pressure.

17 The cycle of the line pressure and the  
18 shut-in periods indicated are the only things that have been  
19 changed.

20 Q What I'm trying to say is -- maybe you  
21 misunderstood me -- what I'm trying to get at is would the  
22 decline be due to the fact that you weren't producing in-  
23 stead of the fact that it was shut-in and it was attribut-  
24 able then to lost reserves?

25 A Well, occasionally there is a manual

1 pinchback if the well seems to operate a little better at an  
2 adjusted choke, but that would be the only reason would be  
3 for more efficient operation.

4 What I'm talking about is loading up, if  
5 you can find a choke at which the well will flow continuous-  
6 ly, if you open it, it will load and die. So it's the most  
7 efficient condition that we know.

8

9 RECROSS EXAMINATION

10 BY MR. TAYLOR:

11 Q Mr. Lamb, on your Exhibit Four-A, for  
12 November, those figures don't seem to make any sense. Would  
13 you look at those and explain them?

14 A Well, that's -- that's part of the  
15 national game; that's a rebate.

16 Q Well, why -- you show gas production of  
17 10,000. What would your income be?

18 A Well, the income --

19 Q I don't understand the whole thing.

20 A Well, the numbers that you see here are  
21 the income of the production, which is 10,471 cubic feet of  
22 gas, less the rebate, which gets you down to a minus  
23 \$6,297.59. That's the amount of the rebate.

24 Q What are you talking about; what rebate  
25 are you talking about?

1           A           It's a Federal Energy Regulatory Commis-  
2   sion refund and it's on all of these.

3           Q           Well, if it's a refund, how do you show a  
4   loss?

5                       MR. CARSON:   It was a refund  
6   back to El Paso and back to the consumer, also.

7           Q           Well, if that's -- okay.

8           A           It's on all -- well, I would say without  
9   just now going specific, it's on all the wells.

10          Q           Okay, well, that's --

11          A           You know, that's the weird one in there.  
12   It's to cover the rebate. That's what the cost amounts to.

13          Q           Well, that's essentially incorrect to  
14   show a loss for any given month, then, right, because that  
15   rebate should probably be scattered out over a year.

16          A           Well, who knows how to carry it? That's  
17   the problem.

18          Q           Okay.

19          A           And it's on all of them that way. See,  
20   the amount of the rebate was a bill from El Paso.

21                       MR. CARSON:   I'd like to ask  
22   him a couple more, if I could, please.

23                       MR. QUINTANA:  You may proceed.  
24  
25

## REDIRECT EXAMINATION

BY MR. CARSON:

Q Mr. Lamb, I want to refer you back to Exhibit Number Three-A and the decline in 1985.

A Okay.

Q And ask if there is anything that you attribute that decline to other than the constant shutting in of the well?

A Nothing that I have record of.

Q We talked about a number of other things, such as chokes and line pressure and so forth, but in your professional opinion, that's not what caused the well to decline, is it?

A No, because that was the same influence on the curve prior to that. In other words, it's a stable influence.

Q Uh-huh.

A The surge of the line pressure and those things are stable things. As I said before, it's a way of life, unfortunately.

MR. CARSON; That's all I had.

MR. QUINTANA: Fine, we'll proceed on with the next well.

(Thereupon a recess was taken.)

1 MR. CARSON: We'll continue now  
2 with the Alscott Federal Well No. 3.

3 Q Mr. Lamb, I'm going to hand you what I've  
4 marked as Applicant's Exhibit Number One-B.

5 I didn't mark yours, by the way, Mr.  
6 Nance.

7 MR. NANCE: Just fine; I've  
8 marked them already.

9 Q And ask if you can identify that?

10 A It is an application by Hondo Drilling  
11 Company, Midland Office, for classification of hardship gas  
12 well on the Alscott Federal No. 3 in Section 31, 18, 29,  
13 Unit O. which is identified on the large plat in green.

14 Q Mr. Lamb, are you familiar with the well  
15 which is the subject of that application?

16 A Yes.

17 Q And in this application, as well as the  
18 others that precede it, Hondo has stated that the shutting  
19 in of the well causes the intrusion of water into the well  
20 --

21 A That's correct.

22 Q -- which permanently, damages the forma-  
23 tion and makes it difficult to restore production.

24 A Yes.

25 Q Do you agree with that?

1           A           I agree.

2           Q           Mr. Lamb, we have asked you in other  
3 cases and ask you in this one is whether there is any  
4 remedial measures that could or should be taken to prevent  
5 this problem?

6           A           There are none at this time.

7           Q           The application shows a diagram of a  
8 wellbore. Is that diagram correct to the best of your know-  
9 ledge and belief?

10          A           It is.

11          Q           Were the offset operators notified of  
12 this application?

13          A           They were.

14          Q           Mr. Lamb, I refer you to a combined exhi-  
15 bit, which is marked as Exhibit Number Two, and ask if you  
16 would explain that exhibit insofar as it applied to the Al-  
17 scott No. 3.

18          A           The Alscott No. 3 is located in the south  
19 half of Section 31. The well's location is Unit O and the  
20 township is 18, 29, and was designated as green.

21          Q           Now, Mr. Lamb, I'll hand you what I've  
22 marked as Applicant's Exhibit Number Three-C. Was that  
23 prepared by you or under your supervision?

24          A           It was prepared by me.

25          Q           Would you explain to the Hearing Officer



1 what that exhibit shows?

2 A This is a graph of the monthly gas  
3 production on the Alscott 3 on a semilog paper beginning in  
4 January of 1982 and ending in February of 1985, and I do  
5 note that on the tabulation, next exhibit there's a couple  
6 or three other months that are not on this sheet.

7 And the arrows indicate the number of  
8 official written notices from El Paso to shut in.

9 Q What conclusions do you draw from that  
10 exhibit?

11 A Well, we are at this point on a decline  
12 of our production and the decline at this particular point  
13 appears to be caused from the shut-in periods which we have  
14 designated as four since December, November of 1984.

15 Q And the costs of bringing this well back  
16 on production after it's shut in are essentially the same as  
17 the other wells?

18 A Yes, \$1000, estimating one day.

19 Q Mr. Lamb, except for what you view as the  
20 peculiarities of each Morrow well and for that matter, the  
21 Cisco well, the behavior of these wells is essentially  
22 pretty much consistent throughout, is it not?

23 A That's right, they're the same.

24 Q I'm going to hand you what I have  
25 numbered as Applicant's Exhibit Four-D and ask you to

1 identify that.

2           A           This is a tabulation of the monthly pro-  
3 duction from January of 1984 through May of 1985, showing  
4 the monthly production, the working interest income, the  
5 operations expense, and the profit and loss.

6                       Since it was mentioned, I will mention  
7 the December of 1984 does reflect a rebate to Federal Energy  
8 Regulatory Commission.

9           Q           Was that exhibit prepared under your  
10 supervision?

11           A           It was prepared at my request.

12           Q           It's previously been asked in regard to  
13 the other wells, if there is a -- if there is a minimum rate  
14 of flow that you could suggest these wells could be -- this  
15 well could be produced at without damaging the formation.

16           A           The application states 11 MCF a day.

17           Q           And that's -- that would be the minimum  
18 that you --

19           A           Yes.

20           Q           Is this another one of those wells that's  
21 also fighting the line pressure?

22           A           Yes.

23           Q           Is it true, Mr. Lamb, that all of these  
24 wells we're talking about today essentially are fighting the  
25 same line.

1           A           That's right; same line pressure.

2           Q           Mr. Lamb, in your professional opinion  
3 would the granting of this application prevent underground  
4 waste, protect correlative rights, and prevent the premature  
5 abandonment of this well and the loss of reserves which  
6 could otherwise be recovered?

7           A           Yes, it would.

8                       MR. CARSON: I don't have any  
9 further questions of this witness.

10                      MR. QUINTANA: Any questions,  
11 Mr. Nance?

12                      MR. NANCE: I don't have any  
13 questions on this well, Mr. Examiner. Thank you.

14                      MR. QUINTANA: And I have no  
15 questions.

16                      You may, proceed on with the  
17 next case.

18                      MR. CARSON: Okay, let me  
19 gather up my stuff here.

20           Q           I would like to proceed on to what we've  
21 marked as Exhibit One-C, the Trigg Jennings Well. I'll hand  
22 you that Exhibit Number One, Mr. Lamb, and ask if you are  
23 acquainted with that application?

24           A           I am.

25           Q           And are you familiar with the well which

1 is the subject of the application?

2 A Yes.

3 Q As was the case in the other "aps", Hondo  
4 has stated that the shutting in of this well causes the in-  
5 trusion of water into the well, which permanently damages  
6 the formation and makes it difficult to restore production.  
7 Do you agree with that?

8 A I agree with that.

9 Q Have there been -- it's previously been  
10 asked in connection with the other wells if there is any-  
11 thing that can or should be done or has been done to remedy  
12 this situation.

13 A Nothing at this time.

14 Q Okay. Is there anything that could be  
15 done?

16 A Not that we know of at this time, but if  
17 conditions change and a condition develop, we would research  
18 it and determine.

19 Q The application shows a diagram of the  
20 wellbore. Is that diagram correct to the best of your know-  
21 ledge and belief?

22 A Yes.

23 Q And were the offset operators notified of  
24 this application?

25 A They were.

1           Q           Mr. Lamb, you've previously been given an  
2 application, I mean a plat which is numbered as Exhibit Two.  
3 Would you explain that plat insofar as it applied to the  
4 Trigg Jennings No. 1?

5           A           The Trigg Jennings No. 1 is the south  
6 half of Section 28 of 18, 29, and is colored blue and has a  
7 yellow dot, dot which indicates Morrow production. The de-  
8 signations are numbered through that as they were before,  
9 the oil, the water, the gas, and the number of days and the  
10 pipeline connection.

11          Q           I refer you to Applicant's Exhibit Number  
12 Three-C and ask if you can identify that.

13          A           It is a graph of the monthly production  
14 by months on a semilog paper from January of 1982 through  
15 February of 1985.

16          Q           Can you -- was that prepared by you?

17          A           It was prepared by me and the arrow indi-  
18 cates the number of times the well has been shut in since  
19 August of 1984.

20          Q           Okay. Now, Mr. Lamb, what conclusions do  
21 you draw from that exhibit?

22          A           We're seeing a normal decline of the pro-  
23 duction and in more recent times a more dramatic decline in  
24 production we attribute to the shut-in periods of the well,  
25 understanding that this well does float on the line to El

1 Paso.

2 Q You have some dramatic drops in produc-  
3 tion in '82 and '83. Do you know what that is?

4 A No, I don't have the records for that.

5 Q And you've previously testified as to the  
6 costs of bringing this well back on production. Is that the  
7 same as it is for the other wells?

8 A Yes.

9 Q I will hand you what has been marked as  
10 Applicant's Exhibit Number Four-C and ask if that was pre-  
11 pared at your request?

12 A It was.

13 Q Is it true and accurate to the best of  
14 your knowledge and belief?

15 A It is.

16 Q I don't know whether I asked this ques-  
17 tion before, but we have previously talked about a minimum  
18 flowing rate. Could you suggest what that should be?

19 A On the Trigg Jennings?

20 Q Yes.

21 A 285.

22 Q 285 MCF --

23 A MCF a day.

24 Q Is that -- can that be reduced or is that  
25 your opinion as to what the minimum would be?

1 A Well, at this point we feel that that's  
2 the minimum.

3 Q Mr. Lamb, in your professional opinion,  
4 would the granting of this application prevent underground  
5 waste, protect correlative rights, and prevent the premature  
6 abandonment of this well and the loss of reserves that could  
7 otherwise be recovered?

8 A It would.

9 MR. CARSON: I don't have any  
10 further questions.

11 MR. QUINTANA: Mr. Nance?

12

13 RECROSS EXAMINATION

14 BY MR. NANCE:

15 Q With respect to the suggested minimum  
16 production, is that also the current average production?

17 A Right; correct.

18 MR. NANCE: No further ques-  
19 tions.

20 MR. QUINTANA: I have no ques-  
21 tions concerning this well. I will, however, at the end of  
22 your testimony for all the wells have a question that will  
23 pertain both to El Paso and to Hondo Drilling with the mini-  
24 mum requested rates on some of the specific wells.

25 You may proceed with the next well.

## REDIRECT EXAMINATION

1  
2 BY MR. CARSON:

3 Q Now, Mr. Lamb, I'm going to refer you to  
4 what I've previously marked as Applicant's Exhibit Number  
5 One-D, the Wright Federal No. 1, and ask if you can identify  
6 it?

7 A It is an application by Hondo Drilling  
8 Company for classification of the Wright Federal No. 1 as a  
9 hardship gas well.

10 Q Are you familiar with the well which is  
11 the subject of the application?

12 A Yes.

13 Q And in that application, as is the case  
14 with the other applications, Hondo has stated that the shut-  
15 ting in of the wells causes the intrusion of water into the  
16 well which permanently damages the formation and makes it  
17 difficult to restore production.

18 A That's correct.

19 Q And do you agree with that conclusion?

20 A Yes.

21 Q This -- you also have a schematic of the  
22 wellbore.

23 A Correct.

24 Q Would you -- is that schematic correct to  
25 the best of your knowledge?

A It is.



1           Q           Has -- and were the offset operators  
2 notified of this --

3           A           They were notified.

4           Q           -- application? Exhibit Two is a plat.  
5 Would you show that, explain that plat to the Hearing Exam-  
6 iner?

7           A           The plat Two covers all of the tracts of  
8 all these hearings and the Wright 1 is in Section 29, Unit  
9 N, and it is colored in red with a yellow dot, indicating  
10 Morrow production.

11          Q           Okay. Now, Mr. Lamb, is there -- is  
12 there anything of significance that would differentiate this  
13 well geologically from any of the other wells that we've  
14 been talking about?

15          A           No.

16          Q           In other words --

17          A           Same structure.

18          Q           Except for the peculiarities that you  
19 mentioned, this well should behave essentially the same way  
20 as the other wells.

21          A           Correct.

22          Q           Is this correct?

23          A           Correct.

24          Q           I'm going to hand you what I've marked as  
25 Exhibit Three-D and ask if you can identify that?

1           A           Three-D is the monthly gas production  
2 graph of the Wright Federal No. 1 from January of 1982  
3 through January of 1984.

4           Q           Can you explain what that graph shows?

5           A           This graph is a typical -- shows a typi-  
6 cal well that has logged off, and the erratic production  
7 that took place in the prior two and a half years, which  
8 means, in my interpretation, that it has been attempting to  
9 log off a number of times in the last three years; namely,  
10 in July of '82, later in '82, and then again in July of  
11 1984, but was revitalized and then in November of 1984 she  
12 logged off and was plugged and abandoned.

13                   So this is a typical example as to what  
14 we expect. This is a Morrow formation, yeah. This is a  
15 typical logoff of the type of production we've been talking  
16 about on all the other wells and we are filing these appli-  
17 cations in an attempt to avoid our other wells going into  
18 this same situation.

19           Q           Now, do you attribute that logging off to  
20 the shutting in of these wells or natural conditions?

21           A           Well, the shutting in of the wells and to  
22 stop the flow or movement of fluids is a contributor to  
23 those factors, yes.

24                   It has caused the fluid not to move.  
25 This well has been subjected to the same line pressure flow

1 that the others have but it, obviously, has been sealed off  
2 by precipitation or the settling of smaller particles to the  
3 point of abandoning the production.

4 Q Mr. Lamb, the Wright Federal No. 1 Well  
5 itself has not been abandoned.

6 A No, the well itself has not been. We're  
7 talking about --

8 Q That graph shows a producing zone in that  
9 well, is that correct?

10 A It is comparable to the producing zones  
11 in the other wells.

12 Q And is it -- would it be correct to say  
13 that that Exhibit Three-D is an example of why you are ap-  
14 plying for hardship gas well designation as to all seven  
15 wells.

16 A That's correct.

17 Q Because the geology would be similar.

18 A That's right.

19 Q I am going to hand you what I have marked  
20 as Applicant's Exhibit Number Four-D and ask you to identify  
21 that.

22 A This is a tabulation of the gas produc-  
23 tion on the Wright Federal No. 1 from January of '84 through  
24 January of -- February of '85; was production from a lower  
25 zone which is represented by this graph, along with the

1 working interest income, the cost of operation, and a profit  
2 and loss.

3 Q Was that prepared by you or under your  
4 direction?

5 A At my direction.

6 Q Now, Mr. Lamb, let's go back and some  
7 place in that Exhibit Number four you change zones. It's  
8 not all production from the same Morrow zone, is that cor-  
9 rect?

10 A That's correct.

11 Q Okay, well, be sure that you make it  
12 clear to the -- for the purposes of the record where the  
13 change occurs.

14 A The last production for the lower zone  
15 was in February of 1985, which was 36 MCF of gas.

16 The well was then reworked, plugged back  
17 into a higher zone, and perforated into another Morrow zone.

18 Q In other words --

19 A The lower zone and the upper zone will  
20 have, in our judgement, the same characteristics of logoff.

21 Q What -- and this particular case we do  
22 not need to discuss the costs of bringing it back on produc-  
23 tion because there is no production from that zone.

24 A That's right, but for the production af-  
25 ter March of 1985 the costs would be --

1 Q The same?

2 A Yeah, the same.

3 Q Is there any minimum flowing rate that  
4 you would suggest for the different -- for the second zone  
5 which -- from which you are now producing?

6 A Well, we, on the application we have est-  
7 imated the minimum to be a million a day.

8 We have no record of shut-ins on this  
9 well, as yet, and this floats on the line, the new zone  
10 floats on the line just like the rest of them.

11 MR. CARSON: Mr. Examiner,  
12 without causing Sally any more complications than are abso-  
13 lutely necessary, will it be necessary -- we would like to  
14 have this Exhibit Three-D, which is an example of the worst  
15 case of what can happen, applicable to all our cases because  
16 the formations are similar.

17 Do I need to have that marked  
18 differently or will just Three-D be --

19 MR. QUINTANA: Since we have  
20 entered it and marked it as -- let's stop for a second.

21

22 (Thereupon a discussion was had off the record.)

23

24 MR. QUINTANA: Proceed.

25 Q Mr. Lamb, in your professional opinion

1 will the granting of this application prevent underground  
2 waste, protect correlative rights, and prevent the premature  
3 abandonment of this well and the loss of reserves which  
4 could otherwise be recovered?

5 A Yes.

6 MR. CARSON: I don't have any  
7 further questions.

8 MR. QUINTANA: Mr. Nance?

9 MR. NANCE: A couple of ques-  
10 tions, Mr. Examiner.

11

12 RECROSS EXAMINATION

13 BY MR. NANCE:

14 Q Mr. Lamb, first of all, you've asked for  
15 a minimum of 100 MCF a day as the allowable production from  
16 this well for purposes of establishing a level at which the  
17 well might be produced without damage.

18 Your Exhibit Number Four-D indicates that  
19 production during the months of March and April of 1985 is  
20 only slightly over 20,000 MCF for the entire month.

21 For the month of May, 24,000 plus for the  
22 entire month, and all of these are without an indication of  
23 the well having been shut in.

24 If these figures are correct and the well  
25 has not been shut in at all, is the well even capable of

1 making 1000 MCF a day?

2 A Well, maybe there's a little anticipation  
3 in here, but you notice that there is an increase of about  
4 4-million a month from April to May and we expect that it  
5 will clean up and do a little better up into 30-million.

6 Q You don't feel that a sustained produc-  
7 tion rate of something in the neighborhood of 20,000 for the  
8 month, or -- or even a little less, would still allow the  
9 well to correct its own problems if it has problems?

10 A Well, we --

11 Q And prevent future problems?

12 A At this point we would prefer to use  
13 every advantage that we can to completely clean the well up,  
14 is basically what we have in mind.

15 Q Now if the well does get to the point  
16 where it can produce a million a day, would you feel it ap-  
17 propriate to have the production limited at that figure if  
18 it is necessary to cut back production at all?

19 A If we can determine that it is -- had  
20 cleaned up, in other words, it reaches its peak, then I  
21 think it would be time to talk about what you're talking  
22 about.

23 Q Okay. The production from the upper zone  
24 that you're talking about in this well, is this the same  
25 zone from which other wells that we're talking about here

1 today are producing, or can you tell?

2 A Well, no, it is a different zone at this  
3 point and I'm not completely equipped to tell you whether it  
4 exists in the other wells or not but we have found in most  
5 cases we take our best zones and complete them and any  
6 handouts that we get later on, why, we take those, too, but  
7 it is not to our advantage and to your advantage to complete  
8 an extremely good zone with a weak zone in a borehole at the  
9 same time, and this happens to be one of those weaker ones.

10 Q Back to your Exhibit Three-D, you have  
11 indicated the significant variations in production levels  
12 but you have not, or prior to the -- the plugging and abandon-  
13 donment of the production from the Lower Morrow zone, you  
14 have not indicated on that exhibit nor have I heard you tes-  
15 tify specifically that shutting in of the well was the  
16 reason for those variations. Is that your testimony?

17 A I don't have those shut-in information.

18 Q Okay. And subsequently to the shutting  
19 in of the lower zone and the perforation and opening of pro-  
20 duction from the upper zone, you have no indication of any  
21 shut-ins having been --

22 A No, I have no record of that. I'm not  
23 saying they're not; I just don't have them, and as I said in  
24 the other cases, I only have the written ones. I don't have  
25 the telephone ones.



1           Q           And by the same token, then, you don't  
2 have any indication of the impact that a shut-in might have  
3 on production from the upper zones?

4           A           That had any effect on them? Without any  
5 question of a doubt, I would say if they were shut-ins they  
6 had a serious effect on this well in reaching its logoff.

7           Q           I'm sorry. I'm talking about as far as  
8 the upper zone is concerned. We don't have any --

9           A           No.

10          Q           -- evidence of -- of the impact that  
11 shut-in would have on that production?

12          A           No, we're still at the point of cleaning  
13 up at this point.

14                      MR. NANCE: I don't have any  
15 further questions on this well, Mr. Examiner.

16                      MR. QUINTANA: I have some  
17 questions.

18

19                      RE CROSS EXAMINATION

20 BY MR. QUINTANA:

21          Q           Again, this is just for my clarification.  
22                      On Exhibit Number Three-D you don't have  
23 any markings as to when this well was shut -- shut-in, so in  
24 other words, was it shut-in or you don't know?

25          A           I don't know.

1 Q You don't know?

2 A No, but I would -- I would hazard a guess  
3 that it has, but I have -- I don't have it.

4 Q And it was your testimony that the reason  
5 the well died was because of a logoff test?

6 A It is obvious that the final production,  
7 termination of production was caused by logoff, and -- and  
8 the other points in here, speaking from experience about  
9 heart attacks and so forth, personally have had those, you  
10 have these indicated logoffs and then for some, its own  
11 natural reason or whatever reason, it came back, and you see  
12 there's several of these things that were peaking down to  
13 indicate logoff and then finally it went.

14 Now, when we look back at the other  
15 wells, who knows which one of these points we're producing  
16 at?

17 Q And you're basing that, your 1000 MCF per  
18 day request for minimum for the new zone that you completed  
19 into --

20 A Yeah.

21 Q -- based on the fact that the lower zone  
22 was producing anywhere from 1000 to 2000 MCF, then logged  
23 off just abruptly?

24 A Yes.

25 Q You're saying that --

1 A Yes.

2 Q -- 1000 wouldn't be abnormal?

3 A No, now we're talking about the upper  
4 zone.

5 Q Right, I'm saying that 1000 be abnormal  
6 for the upper zone?

7 A No, I don't think so, no.

8 The 1000 that we have here is the idea  
9 that we feel like to continue with this increased production  
10 rate that we will obtain gas by cleaning the well up com-  
11 pletely that would not otherwise be produced.

12 The important thing is the early part of  
13 a Morrow well or gas wells of these kinds, is to get them  
14 completely cleaned up, and that's -- that would be the pur-  
15 pose, as I see it.

16 Q Can you give me an estimate of the time  
17 when you think this well would be cleaned up? Can you anti-  
18 cipate a time when this well would produce its maximum?

19 MR. CARSON: Can we refer to  
20 Mr. Sivley here? He can help us.

21 MR. SIVLEY: Well, I'd say it's  
22 virtually -- pretty well cleaned up right at the present  
23 time.

24 A You mean sixty days would tell us?

25 MR. SIVLEY: I think so.

1 MR. QUINTANA: So it's testi-  
2 mony that approximately sixteen days from now it will be  
3 completely cleaned up?

4 A I would expect it to be.

5 Q You mean it's possible that you could  
6 produce at a lower rate than 1000 after it's cleaned up?

7 MR. SIVLEY: I think we could  
8 settle for 750,000 feet per day.

9 A Yeah, settle for 750 a day, reduce it to  
10 750.

11 MR. SIVLEY: Without any fur-  
12 ther damage or any problem with that.

13 MR. QUINTANA: I have o further  
14 questions on this well, but like I say, again, at the end of  
15 the testimony I'm going to make a statement and concerning  
16 these requested minimum rates.

17 MR. CARSON: I'll have for Mr.  
18 Lamb just a couple more questions in regard to this particu-  
19 lar Wright Well.

20

21 REDIRECT EXAMINATION

22 BY MR. CARSON:

23 Q Mr. Nance asked you about the well having  
24 been shut in.

25 The well has been shut-in at some time.

1           A           Well, I'm sure of that but I don't have  
2 the written record from El Paso on it.

3           Q           Okay, but it was by virtue of telephone  
4 requests is why you can't spot it on your graph, is that not  
5 true?

6           A           Well, it could easily be written but I  
7 don't have it. It would be completely beyond my imagination  
8 to say that it was not shut in along with the other wells in  
9 the area, because all of them have been.

10                   MR. CARSON: May I ask, Mr.  
11 Examiner, at this point may I have Mr. Sivley sworn for the  
12 purpose of asking one question, and that is whether this has  
13 been shut in?

14                   MR. QUINTANA: Yes. Would you  
15 please -- is that appropriate?

16                   MR. NANCE: We don't object.

17  
18                   (Thereupon Mr. Sivley was sworn upon his oath.)  
19

20                   T. J. SIVLEY,  
21 being called as a witness and being duly sworn upon his  
22 oath, testified as follows, to-wit:  
23  
24  
25

## VOIR DIRE EXAMINATION

BY MR. CARSON:

Q Would you state your name, please?

A T. J. Sivley.

Q Now, Mr. Sivley, what is your connection with Hondo Drilling Company?

A I'm a Vice President of the company. I live in Artesia.

Hondo Drilling Company is a New Mexico Corporation. We organized in 1948. I'm not involved in day-to-day operations with Hondo, that is, other than policy matters and things like that, although frequently, for instance, El Paso may want to try and get hold of Hondo for shut-in purposes or this and that and over the last couple of years or more we have been -- I have been frequently called myself concerning shutting in the wells; maybe come Friday they'll say we've got to shut in everything; no market demand over the -- over the weekend, and if industry shuts down, we can't get rid of this gas.

Q Mr. Sivley, as far as this Wright Federal No. 1 is concerned, was that well shut in from time to time at the request of El Paso?

A Yes, it was shut in from time to time at the request of El Paso, usually phone conversations. That's

1 been over the last two years, and then, of course, it's been  
2 shut in a time or two prior to that time for periodic bottom  
3 hole tests -- or rather tests, flowing tests by El Paso.

4 We did get an exemption to eliminate  
5 those because we could see every time we did shut it in  
6 there was a little bit of damage that was detectable.

7 MR. CARSON: I don't have any  
8 further questions of Mr. Sivley.

9 MR. LAMB: Mr. Sivley, since it  
10 has been recompleted has it been shut in?

11 A It has not been shut in since it was re-  
12 completed.

13 MR. CARSON; I have no further  
14 questions.

15 MR. NANCE: Mr. Examiner, I  
16 have one, one question.

17

18 RE CROSS EXAMINATION

19 BY MR. NANCE:

20 Q Mr. Sivley, have there been any State-or-  
21 dered shut-ins of the well within the last year and a half?

22 A No, not to my knowledge.

23 MR. QUINTANA: Mr. Carson, you  
24 may proceed.

25

1 N. RAYMOND LAMB,  
2 continuing as a witness, testified as follows, to-wit:

3  
4 REDIRECT EXAMINATION

5 BY MR. CARSON:

6 Q Mr. Lamb, I hand you what I have marked  
7 as Applicant's Exhibit Number One. Would you identify that  
8 exhibit?

9 A This is an application prepared by Hondo  
10 Drilling Company, Midland Office, for classification of the  
11 Wright Federal No. 2 as a hardship gas well. It's indicated  
12 that the well is located in Section 29.

13 Q Are you familiar with the well which is  
14 the subject of the application?

15 A I am.

16 Q Generally the application has stated that  
17 the well -- that the shutting in of the well caused the in-  
18 trusion of water into the well which permanently damages the  
19 formation and makes it difficult to restore production.

20 A Right.

21 Q Do you agree with that conclusion?

22 A I agree.

23 Q We've asked you this same question in  
24 connection with the other wells. Is there anything that you  
25 can do or should have done to remedy this problem?



1           A           There's nothing we know at the time that  
2 we can do to this well to increase production.

3           Q           The application shows a diagram of a  
4 wellbore. Is that diagram correct to the best of your know-  
5 ledge --

6           A           Yes.

7           Q           -- and belief?

8           A           It is.

9           Q           Were the offset operators notified of  
10 this application?

11          A           They were.

12          Q           I'll refer you to Exhibit Number Two and  
13 ask you to explain that plat insofar as it applies to the  
14 Wright Federal No. 2.

15          A           The Wright Federal No. 2 is in the top  
16 center of the map and it is in the purple color. The desig-  
17 nation of 11 barrels of oil, no water, 1463 MCF gas, and we  
18 show no shut-in days and that the gas is handled by El Paso.

19          Q           And I take it that -- I think you've an-  
20 swered this question already but the geology at the Wright  
21 Federal No. 2 is similar to the -- and its characteristics  
22 are similar to those of the other six wells that we've  
23 talked about.

24          A           That's correct.

25          Q           I'm going to hand you what I've marked as

1 Applicant's Exhibit Number Three-E and ask you to identify  
2 that.

3 A It is a graph of the monthly production  
4 of gas from the Wright Federal No. 2 from the January of  
5 1982 through February of 1985, and it's on a semilog paper.

6 Q Okay. What is the -- you have the little  
7 arrows up there. What are they for?

8 A They designate written notices for shut-  
9 in.

10 Q Okay. What conclusions do you draw from  
11 that exhibit?

12 A I would draw a conclusion from this exhi-  
13 bit and -- that the shut-in periods restricted the produc-  
14 tion from this well. In other words, my opinion is that the  
15 production would have been higher if they hadn't had the  
16 shut-in periods and that on the dramatic end of the February  
17 of 1985 we're getting an indication of a decline in produc-  
18 tion. We've had minor declines before so we'll wait and see  
19 what happens from these shut-in periods.

20 Q You've previously testified to the costs  
21 of bringing these back on stream. I take it this is no dif-  
22 ferent.

23 A No different, \$1000.

24 Q I'm going to hand you what I have marked  
25 as Applicant's Exhibit Number Four-E and ask you to identify

1 it.

2 A It is a tabulation prepared by Hondo  
3 Drilling Company at my request for the monthly production  
4 from January, 1984, through the current month of May, of the  
5 working interest income, the operational expense, and the  
6 profit and loss statement.

7 Q Was that prepared by you or under your  
8 supervision?

9 A Under my direction.

10 Q We have previously been asked to estab-  
11 lish a minimum flowing rate which can be sustained without  
12 damaging the formation. Do you have such a figure to sug-  
13 gest?

14 A Yes, 40 MCF a day.

15 Q All right, is -- how do you arrive at  
16 that?

17 A Well, we feel that this will be the mini-  
18 mum production, particularly if the shut-in periods are ter-  
19 minated, that this will be the ability of the well to pro-  
20 duce.

21 Q This well, like the other wells in this  
22 -- these combined cases, is fighting line pressure, is it  
23 not?

24 A Yes.

25 Q Mr. Lamb, in your professional opinion

1 will the granting of this application prevent underground  
2 waste, protect correlative rights, and prevent the premature  
3 abandonment of this well and the loss of reserves which  
4 could otherwise be recovered?

5 A That's correct.

6 MR. CARSON: I don't have any  
7 further questions of Mr. Lamb.

8 I'd like to move the introduc-  
9 tion of these exhibits which I have not previously moved.

10 MR. QUINTANA: Exhibits --

11 MR. CARSON: I think it's Exhi-  
12 bits Number One through Four in all cases.

13 MR. QUINTANA: Exhibits One  
14 through -- One, Three, and Four for Case 8609, Exhibits One,  
15 Three, and Four for 8610; Exhibits One-A through One-E,  
16 Three-A to Three-E, and Four-A to Four-E, and Exhibit Two  
17 for all these cases will be entered as evidence.

18 MR. CARSON: And Exhibit, I be-  
19 lieve it's -- we talked about it awhile ago, it's Three --  
20 Exhibit Number Three-D will wind up applicable to all cases.

21 MR. QUINTANA: Let the record  
22 so note that.

23 I have no questions of the wit-  
24 ness. Well, let's put it this way, I'll let Mr. Nance go  
25 first if he has questions.

1 MR. NANCE: I have one ques-  
2 tion.

3  
4 RECROSS EXAMINATION

5 BY MR. NANCE:

6 Q You're talking about this well producing  
7 against line pressure, and what I wondered is as a physical  
8 matter is this well producing against the line pressure that  
9 is generated by the higher producing wells?

10 A They all go on the same line.

11 Q They all go into the same line.

12 A So do all wells in southeast New Mexico,  
13 I guess. I don't know your system.

14 Q Okay. Within this particular gathering  
15 system, though, that is the case.

16 A Yes.

17 Q The wells that are producing 700 MCF a  
18 day and the wells that are producing 7 or 11 are all produc-  
19 ing into the same line?

20 A That's correct.

21 MR. NANCE: Thank you. No fur-  
22 ther questions.

23

24

25

## 1 RE CROSS EXAMINATION

2 BY MR. QUINTANA:

3 Q Mr. Lamb, for clarification of matters,  
4 again.5 It is your testimony that these Morrow  
6 gas wells that have been evidenced showing production rates  
7 and shut-in times, and so forth, you're basing the fact that  
8 you would like to have a hardship gas well classification  
9 for each one of these wells, you're basing that on the fact  
10 that the Wright Federal Well No. 1 logged off due to persis-  
11 tent shutting in and that all these other Morrow gas wells  
12 will exhibit the same thing if they're continued to be shut  
13 in.

14 A That's correct.

15 Q And even though you have not seen a loss  
16 of reserves, or of production capacity, you expect it to  
17 happen in the same manner that the Wright Federal Well No. 1  
18 occurred.19 A I'm positive in my own professional  
20 opinion that you will lose reserves to continue with these  
21 shut-in periods.22 Q And the fact that they're all Morrow  
23 wells, all in the same area, and all in the same dips and  
24 the same type of formation and characteristics, you expect  
25 that to happen?

1           A           All except the Cisco. The Cisco well has  
2 the same characteristics but it's an individual pay zone by  
3 itself, but I expect them all to have the same characteris-  
4 tics.

5           Q           Mr. Lamb, should I decide to grant you  
6 hardship gas well classifications for each one of these  
7 wells, I have no problem with granting you minimum sustain-  
8 able productin rates on some of these, which you request  
9 small, small amounts of producing capacity, but on some of  
10 these larger ones, I have to justify in my own mind if I do  
11 grant them to you why I would grant them to you, because if  
12 there's a hardship gas well classification placed on the  
13 well, then that means somebody else cannot take the well --  
14 the gas ratably, El Paso can't take gas from somebody else,  
15 and that puts a hardship on other people.

16                   Some of these larger requests, like for  
17 example, 1000 MCF a day for the Trigg Well No. 1, Trigg Jen-  
18 nings Well No. 1, no, excuse me, for the Wright Federal Well  
19 No. 1, and that's just one example, do you see a problem  
20 with me getting a request from El Paso, what they might  
21 think the minimum sustainable rate should be and that way I  
22 could get an opinion from both -- both parties and I could  
23 make a determination?

24           A           Well, I see nothing to keep you from mak-  
25 ing a request of El Paso but we certainly would like to have

1 the advantage of what information you develop.

2 Q Right. The reason I'm asking that is be-  
3 cause we don't really have anything to base some of these  
4 requests on except on average producing, what you've been  
5 producing for the last few months or so, and if I, in order  
6 for me to protect myself as a Hearing Examiner, to back up  
7 what I'm doing now and somebody come back later and say,  
8 well, why did you do that, you know, I would like to think  
9 that I'm basing it on some type of engineering, you know,  
10 calculation, or something of that sort.

11 Let me rephrase that. Let me direct this  
12 question to El Paso.

13 MR. QUINTANA: If you'd like,  
14 we would request that you would recommend a minimum sus-  
15 tainable producing rate from the testimony you have heard  
16 today on some of these wells.

17 If you don't submit anything,  
18 then I'll assume that you concur with the requested minimum  
19 rates.

20 MR. NANCE: Mr. Examiner, from  
21 El Paso's point of view, and we would like to present a wit-  
22 ness to address these specific questions, but generally our  
23 point of view is that the minimums requested in the two  
24 lowest producing wells are acceptable and we would have no  
25 serious objection to those wells being granted hardship gas



1 well classification, and having those minimums established  
2 as the acceptable lower limits of production from those  
3 wells.

4 For each of the other wells  
5 that evidence has been presented on today, we feel that the  
6 evidence is insufficient to grant any sort of hardship well  
7 classification at all, and therefore, we don't feel the min-  
8 imums that might be requested otherwise are appropriate at  
9 all.

10 MR. QUINTANA: Do you wish to  
11 have a witness be called at this time?

12 MR. NANCE: We would like to do  
13 so if this would be the appropriate time to do that.

14 MR. QUINTANA: Are there fur-  
15 ther questions of the witness, of Mr. Lamb?

16 MR. LAMB: I would like to make  
17 one other statement, if I may.

18 MR. QUINTANA: You may proceed.

19 MR. LAMB: You can understand  
20 the lower capacity wells and we feel that the other wells in  
21 which you refer to are destined for the same course of pro-  
22 duction and we will lose ultimate recovery on those if they  
23 go with the shut-in period.

24 Now on those higher wells are  
25 are still on a variable flow by the pipeline pressure, so we

1 feel that we, on all these wells, we are going down the same  
2 primrose path and we were just trying to remedy the situa-  
3 tion before we got into it.

4 If we continue with these into  
5 the marginal stage, we certainly are going to lose gas that  
6 would otherwise be produced.

7 MR. QUINTANA: I understand.  
8 Thank you. You may be excused.

9 Mr. Nance?

10 MR. NANCE: Thank you, Mr. Exa-  
11 miner.

12 Mr. Examiner, El Paso does have  
13 one witness we would like to present today.

14  
15 E. R. MANNING,  
16 being called as a witness and being duly sworn upon his  
17 oath, testified as follows, to-wit:

18

19 DIRECT EXAMINATION

20 BY MR. NANCE:

21 Q For the record, Mr. Manning, would you  
22 state your name, your current position, and by whom you're  
23 employed?

24 A My name is E. R. Manning. I'm employed  
25 by El Paso Natural Gas in El Paso, Texas, as Manager of Con-

1    servation.

2                   Q           Have you previously testified before this  
3 Commission or before one of its hearing examiners?

4                   A           Yes, sir, I have.

5                   Q           Are you familiar with the applications  
6 that have been presented in this case?

7                   A           Yes, sir, I am.

8                               MR. NANCE:   Mr. Examiner, we  
9 would ask that the witness' qualifications be accepted.

10                              MR. QUINTANA:   They are  
11 accepted.

12                              MR. CARSON:   May I inquire as  
13 to what his -- what his capacity is? I mean what's his edu-  
14 cation?

15                   Q           Mr. Manning, what is your background,  
16 then?

17                   A           I have a BS in petroleum engineering from  
18 Texas Tech University.

19                              I have been a drilling and production en-  
20 gineer, a straight production engineer.

21                              I have experience in reservoir engineer-  
22 ing, engineering economics, and I have at one time been,  
23 like Mr. Lamb and Mr. Sivley, I had my own company.

24                              I've been employed by El Paso Natural Gas  
25 for the past twenty-five years, approximately.

6                   A                   I'm a Registered Professional Engineer in  
7 Texas and Member of the Texas Society of Professional En-  
8 gineers.

11 Is that sufficient?

14 MR. CARSON: Sorry I asked the  
15 question.

20 A Well, El Paso is tied to the western mar-  
21 ket, which is California and east of California, Arizona,  
22 and New Mexico, and we sell a very small amount of gas in  
23 Texas.

25 Prior to March of 1983 we had a demand

1 for all the gas available to our system and we constantly  
2 called upon this gas to be produced into our system.

3 In approximately March or April, 1983,  
4 for a period of about three or four months, our demand, we  
5 lost approximately 700-million cubic feet of gas a day.

6 Then, by the grace of God, or somebody,  
7 it picked up in September, October, and we went back to full  
8 demand and even bought gas on the spot market during the  
9 cold periods of 10 -- I believe it was 1983 and 1984; not a  
10 lot but a small amount to supplement what our operators  
11 could not furnish us.

12 Q What is El Paso's pipeline capacity?

13 A El Paso has a pipeline capacity of  
14 roughly 3.5-billion cubic feet of gas a day.

15 Q What has our market demand been for the  
16 past heating season?

17 A Well, for the past heating season our  
18 market demand has been around 3.4-billion cubic feet a day.  
19 Now when I told you our capacity was approximately 3.5, 3.6,  
20 this means we have to produce about 3.7; we have to take in-  
21 to our system roughly 3.6 or 3.7-billion cubic feet of gas  
22 in order to meet those 3.4, due to gas used in compression  
23 and the transportation of gas; gas that is used in the oper-  
24 ations, the normal field operations.

25 Q Do you have any feel for the current mar-

1 ket demand that El Paso has?

2 A Yes, sir. We have lost here, let's see,  
3 in May we lost approximately one billion cubic feet of de-  
4 mand, which dropped us in the neighborhood of 3.4 -- 2.4,  
5 correction, 2.4 to 2.5 billion cubic feet a day.

6 Now, very recently we were notified that  
7 we were going to be cut another 210, approximately, million  
8 cubic feet, which should bring us on a normal operatin week,  
9 somewhere in the neighborhood of 2.1 billion cubic feet a  
10 day and on weekends, perhaps as low as 1.7 billion cubic  
11 feet a day. We were not given any indication as to how long  
12 this would last. Hopefully, in the coming heating season we  
13 will be back with a big demand.

14 MR. QUINTANA: Mr. Manning, not  
15 meaning to be arrogant, or anything, but I'm trying to see  
16 how this deals with the gas themselves, I'm --

17 MR. NANCE: Mr. Examiner, we  
18 are trying to put these wells into context of El Paso's  
19 takes and that is going to be my next question, if I may  
20 proceed.

21 Q Mr. Manning, could you describe the im-  
22 pact of harship wells generally on El Paso's takes?

23 A El Paso polisy is to take ratably between  
24 the states and it is bound by law and rules and regulations  
25 to take ratably within the state, and this is all of the

1 states in which we operate.

2 Now, any time one MCF is granted a hard-  
3 ship well, or a well is granted one MCF hardship allowable  
4 or permitted production, that means that one MCF somewhere  
5 else that has to be shut-in in these times of low takes and  
6 this becomes very difficult for us to abide by the statutes  
7 and the rules and regulations of the commissions and states  
8 in which we operate.

9 Q Mr. Manning, have you heard the testimony  
10 and seen the evidence that's been presented in this case?

11 A Yes, sir, I have.

12 Q In your opinion as a professional engin-  
13 eer, do you have any recommendations as to how the Commis-  
14 sion should proceed with respect to each of these three  
15 cases?

16 A It is my recommendation that the 7.5 MCF,  
17 or 7.35 MCF a day on the Alscott No. 1 in the Cisco and the  
18 11 MCF per day on the Alscott Fed No. 3, be granted a hard-  
19 ship status. It's very difficult for me as an engineer to  
20 see shutting in a 7 or 11 MCF well.

21 Then I recommend that all of the others  
22 be denied.

23 Q In the event that they -- that any of  
24 them might be granted, would El Paso need further informa-  
25 tion in order to make a recommendation as to a suggested

1 minimum level of production that would be appropriate for  
2 those wells as hardship wells?

3 A Yes, sir, we -- these wells have essen-  
4 tially been on all the time except for shut-in for the State  
5 mandated test, which I think is 24 hours. In fact, we've  
6 been unable to get these wells shut-in by the operator, and  
7 I agree with Mr. Lamb there, the telephone calls are very  
8 annoying and we attempt to locate someone, he says, we can't  
9 shut that well in, you've got to talk to Mr. So-and-So, and  
10 we can't find him, telephone calls are not being answered,  
11 and we have attempted to work, you know, with -- work with  
12 the people on this and we've been unable to do it.

13 Now, we would have to have, in my opinion  
14 as an engineer, we would have to have some sort of a minimum  
15 test or a minimum flow test determine by starting the well  
16 on a test and gradually cutting it back to a point, we don't  
17 want to kill it, necessarily, but to a point to where we  
18 think it can, under an agreeable volume, it can sustain its  
19 production.

20 Now we would recommend that the Commis-  
21 sion have their witnesses out there along with the El Paso  
22 witness on this test, should any of these tests be run.

23 Q Do you feel that the granting of the ap-  
24 plications that you have suggested and the denial of the re-  
25 maining applications as you have mentioned, would be in fur-



1 therance of the prevention of waste and protection of corre-  
2 lative rights?

3 A In my opinion it would be. We're having  
4 correlative rights problems in this particular area and I  
5 think with being able to shut these wells in or the wells in  
6 which would not be immediately damaged, not talking about  
7 prospectively damaging but immediately damaging the well,  
8 being able to shut those wells in would certainly let us  
9 take ratably from those people that we're obligated to take  
10 ratably.

11 Q Thank you, Mr. Manning.

12 MR. NANCE: I have no further  
13 questions, Mr. Examiner.

14 MR. QUINTANA: I have one ques-  
15 tion and then I'll let you go ahead.

16

17 RECROSS EXAMINATION

18 BY MR. QUINTANA:

19 Q Mr. Manning, you suggested to me that  
20 some type of test be devised to determine minimum sustain-  
21 able rate. How do you intend to account for the floating  
22 line pressure to accommodate this?

23 A Mr. Examiner, my opinion on that floating  
24 line pressure, or the varying line pressure, is that all  
25 wells should be tested under normal operating condition.

1                   You heard Mr. Lamb's testimony that the  
2 variance in line pressure is normal with not only El Paso  
3 but other pipelines, and I believe that those tests should  
4 be conducted.

5                   I'll agree with you, you may get not a  
6 bad test but you may get a test that is not exactly right,  
7 but then the well could be retested, if necessary.

8                   The thing is, that we need to do here, is  
9 to allow other people access to our pipeline or we're going  
10 to be violating some statutes in the State of New Mexico.

11                Q           Thank you.

12                               MR. QUINTANA: You may proceed,  
13 Mr. Carson.

14                               MR. CARSON: Oh, I don't have  
15 many questions.

16  
17                               RE CROSS EXAMINATION

18 BY MR. CARSON:

19                Q           I'm going to refer you, Mr. Manning, to  
20 what we've previously had, and I think you've just looked  
21 at, as Exhibit Number Three-A and ask, how do you determine  
22 that you're going -- that, according to the testimony, that  
23 well produces 285 MCF a day, how do you determine in your  
24 theory of ratable take that that well is going to be shut in  
25 that many times?

1           A           Sir, we, in determining ratability, right  
2 or wrong, but in determining ratability from El Paso's view-  
3 point, we take what we call a demonstrated deliverability of  
4 the well.

5                       Granted, due to the high line pressures,  
6 low line pressures, plants going down, et cetera, this will  
7 not be 100 percent foolproof, but it will be as close as we  
8 can get, and then your ratable share to our pipeline for  
9 that market is based on that as it bears to the total in any  
10 particular pool.

11                      Mr. Quintana stopped me a moment ago, I  
12 was going to get into this, but he stopped me a moment ago,  
13 and I suspect because he's heard it so much, but you may not  
14 have heard it, so I'll, with Mr. Quintana's permission, I'll  
15 continue along this vein.

16                      We divide up our market from California  
17 and east of California market, among the three principal  
18 states, Texas, New Mexico, Oklahoma. We'll eliminate the  
19 others right now just for clarity sake.

20                      Texas gets approximately the same amount,  
21 approximately. Let's just use 40 percent, that's -- don't  
22 hold my feet toward the fire -- 40 percent for Texas, 40  
23 percent for New Mexico, 20 percent for Oklahoma.

24                      Now then, they take that volume and they  
25 allot it back to the pools in New Mexico, to the field in

1 Texas, to the pools in Oklahoma. This is the part that each  
2 state is allocated.

3 Now when it's allotted back to the pool,  
4 and this is based on deliverability, when it is allotted  
5 back to the wells within the pool, then it goes down deliv-  
6 erability again.

7 Here in the Cisco you've got seven --  
8 well, that's not a very good one. Let's take the Wright Fed  
9 Com Well No. 1 here that has a million MCF. Certainly it  
10 would get more of the availability to our pipeline and mar-  
11 ket than would the Trigg Jennings Com Well No. 1 in the ame  
12 pool, and it is all allocated that way.

13 We print a production schedule in which  
14 at the top of the schedule would be Cisco Alscott No. 1,  
15 7.35; certainly it's at the top.

16 Then you come down the schedule with in-  
17 creasing deliverability till you get into the prorated  
18 pools. Then when you come into the prorated pool, those  
19 that are the most underproduced then line up according to  
20 their underproduction, down to the zero line that balances  
21 them, on down to the ones that are overproduced, and the  
22 last well will be the most overproduced well in that parti-  
23 cular state.

24 Q Let me ask -- let me refer you to what I  
25 believe is Exhibit Three in Case 8609; that's Union Texas

1 No. 1.

2 Now I may not have been understanding  
3 your speech at all, but that well has not been -- that well  
4 produces tremendously more than the preceding one that I  
5 handed you and yet it's not shut-in very regularly. Why is  
6 that?

7 A Sir, I cannot tell you why. If we get  
8 back to 1984, I can explain to you, in the interim there  
9 when we were trying to get Hondo to shut their wells in and  
10 they wouldn't do it, and we finally went out there and put a  
11 valve between their wellhead and our meter in order to shut  
12 those wells in trying to establish some type of ratability.

13 Now I am appalled that that well has been  
14 called to be shut-in that many times. It's hard for me to  
15 understand that, too.

16 Q That -- that was a written request, you  
17 know.

18 A Yeah, I heard the testimony it was a  
19 written request. We -- in order to get these wells to tak-  
20 ing their ratable share, there must be some human element  
21 come into this. If I feel like Hondo's well is way overpro-  
22 duced as compared to the others, looking at the production  
23 around there, then I may -- I don't do it, but the man that  
24 does it may request that the well be shut-in in order to  
25 make it up.

1                   Now, as far as that ratability goes, let  
2 me make this perfectly clear. We can't do that from day to  
3 day. We can't do it from week to week. We can't do it from  
4 month to month. We usually need about 12 to 14 months in  
5 order to do this, but if you'll give us enough time, you are  
6 going to get your share of our market.

7                   Q           Do you -- do you determine take in any  
8 way as far as determining who's going to be shut-in on the  
9 base of price?

10                  A           No, sir, absolutely not.

11                               MR. CARSON: I don't think I  
12 have any further questions.

13                               MR. TAYLOR: I have a question.  
14

15                               CROSS EXAMINATION

16 BY MR. TAYLOR:

17                  Q           Mr. Manning, could you explain to me or  
18 could you tell me from an engineering point of view if there  
19 is any relationship between the minimum sustainable rate of  
20 a well and its minimum daily production, which Mr. Lamb, I  
21 believe, recommended to be the rate that we allow it to pro-  
22 duce at?

23                  A           I'm not sure I understand the question.  
24 Let me see if I understand it.

25                  Q           Okay.

1                   A                   You want a relationship between a rate  
2   that would be minimum in order to sustain flow from the  
3   well?

4 Q I just want to know if there is any such.

5 A Well, --

6 Q And the average daily production.

7                   A                   And (not understood) would not cause any  
8 damage to it, and let me say this, El Paso is the first one  
9 to not want any damage to a well; we are number one on that,  
10 because this is gas we're going to have to have to take to  
11 California.

12 I believe that Mr. Lamb took the high  
13 side of it. This is my professional opinion. He said we  
14 know this will work.

15 I -- I believe that most of those wells,  
16 all except two, will continue to produce after being shut-in  
17 and will not be damaged, now, and of course you've got to  
18 understand, all I know about the borehole in this is the  
19 testimony that Mr. Lamb gave today.

20 Now, remember, there are other operators  
21 out there that have the same wells that are being shut in.  
22 They're going to hit the bottom of the decline curve. This  
23 is a real fine thing here. This looks like infinite re-  
24 serves here.

25                    There is -- this one is -- I'm not going

1 say that.

2 Q Well, essentially are you saying that  
3 there is no per se relationship between the average daily  
4 production and the minimum sustainable rate?

5 A I think I would have to say that, yes,  
6 sir.

7 Q Thank you.

8 MR. QUINTANA: I have no ques-  
9 tions of Mr. Manning.

10 MR. NANCE: I have one question  
11 on redirect examination, if I may, Mr. Examiner.

12

13 REDIRECT EXAMINATION

14 BY MR. NANCE:

15 Q Mr. Manning, does El Paso have a policy  
16 of objecting to hardship classification for a well simply  
17 because it produces a relatively larger volume of gas?

18 A No, sir, not necessarily. We come into  
19 this, our policy -- or our policy is this: We'll have an  
20 engineer here at these hearings. We want him to look at all  
21 the testimony that's been given out and if there is a ques-  
22 tion in his mind that there will be damage, then for him to  
23 merely state that the fact that every MCF you grant me,  
24 comes off of someone else, and that is our policy, not only  
25 in New Mexico, but in every state in which we operate.



1                   And if we feel like that a well is truly  
2 going to be damaged by watering out or something like that,  
3 then we certainly will object to it.

4                   Now if it's some mechanical thing that  
5 needs to be done, we'll also object to that, but if it's  
6 the, as Mr. Lamb put it so adequately here, the character-  
7 istic of the individual well, then we try to go along with  
8 that.

9                   Q           Thank you, sir.

10                               MR. QUINTANA: I retract my  
11 statement, I do have one additional question for Mr. Man-  
12 ning.

13

14                               RE CROSS EXAMINATION

15 BY MR. QUINTANA:

16                   Q           Mr. Manning, is it El Paso's policy that  
17 in order to -- for them to agree that a well is a hardship  
18 case that a well must first lose reserves?

19                   A           No, sir, we do not want to -- we want to  
20 get on these wells as soon as we can.

21                               Now we object to them being postponed and  
22 postponed, and postponed; that we object to.

23                   Q           Then it is your opinion that you don't  
24 believe that these wells will experience a loss of reserves,  
25 even though on Well No. -- the Wright Federal Well No. 1

1 logged off, you don't believe that is applicable to the  
2 other wells?

3 A I think that was the characteristic of  
4 that well. To me he had a water problem there. Now, why he  
5 had the water problem I don't know. He looked at it, ob-  
6 viously, he looked at it and he would have cemented off some  
7 leakage in the casing or something. I do not know what that  
8 is, but he may have been, he may have rigged the rig up in  
9 the wrong place, too. He may have rigged it up over water,  
10 which is also a normal, natural occurring thing.

11 Q But you don't know.

12 A But I don't know, no, sir, without --  
13 with just no more testimony than this, I don't know.

14 Q Okay.

15 A But I would say this: After having  
16 looked at thousands upon thousands of these when I was a re-  
17 servoir engineer, that to me is a fine well right there, and  
18 I wish we had a lot more of them tied to us.

19 MR. QUINTANA: I have no fur-  
20 ther questions of Mr. Manning.

21 I'd like to recall Mr. Lamb for  
22 one quick question.

23

24

25

1 N. RAYMOND LAMB,  
2 being recalled and being still duly sworn upon his oath,  
3 testified as follows, to-wit:

4  
5 DIRECT EXAMINATION

6 BY MR. QUINTANA:

7 Q Mr. Lamb, since you represent Hondo,  
8 would you agree to, should I decide to grant hardship clas-  
9 sifications to these wells, or all of them, would you agree  
10 to working with me in establishing some type of testing pro-  
11 cedure in which we can see if we can determine minimum pro-  
12 ducing rate?

13 A Sure.

14 Q Fine, thank you. I have no further ques-  
15 tions of Mr. Lamb.

16 MR. QUINTANA: Are there fur-  
17 ther questions of any of the witnesses?

18 Any additional comments?

19 In that case, for that matter,  
20 Case 8609, Case 8610, Case 8611 will be taken --

21 MR. NANCE: I'm sorry, I would  
22 like to make a brief closing statement if I might, and af-  
23 ford Hondo the same opportunity.

24 MR. QUINTANA: You may proceed.

25 MR. NANCE: Mr. Examiner, El

1 Paso basically feels that the evidence and testimony pre-  
2 sented here indicate the applications for hardship well  
3 classification for the majority of the wells are premature.

4 We feel that there has been no  
5 real demonstration of damage to the wells. There has been  
6 no apparent attempt to remedy or correct situations that are  
7 found to exist in the wells. These wells do not appear to  
8 be in any way unusual; in fact, it was the testimony of the  
9 witness here that all of these wells -- that the wells that  
10 are part of this application are in fact similar to other  
11 wells in the -- in the producing area and that he would ex-  
12 pect the same thing to happen to those wells that is happen-  
13 ing to these.

14 The production rates have not  
15 been shown demonstrably to have been affected by shut-in,  
16 and the only problems which for the most part are visible  
17 here are anticipated problems rather than problems which  
18 have already occurred.

19 We feel that there has been a  
20 problem in bringing these cases before the Hearing Examiner  
21 or before the Commission, and that the delays have taken ad-  
22 vantage of procedure and we feel recognition should be given  
23 to that fact.

24 We feel that there should be a  
25 development of some type of minimum level of production

1 other than the average production rates of the well that  
2 would be an acceptable lower limit for production if they  
3 are in fact granted hardship well classifications, but gen-  
4 erally we feel that the purpose of the hardship well classi-  
5 fication is to allow preferred treatment and exemption from  
6 shut-in for wells which will demonstrably be shown to be  
7 damaged, and that that showing has not yet been made in this  
8 case with respect to -- to these wells.

9 MR. CARSON: I won't take three  
10 minutes. I want to say that the -- that I believe that the  
11 testimony has been pretty uniform that the wells are similar  
12 in nature. I don't think that the regulation or the (not  
13 understood) of the Division is that we should have to damage  
14 those wells in order to prove that they are damagable.

15 We have shown in at least two  
16 or three instances that the -- that as empirically as pos-  
17 sible that the shut-in, shutting in of the wells damaged the  
18 formation.

19 In the case of the Wright Fed-  
20 eral we showed, you know, really dramatic damage, and for  
21 those reasons we think that we're entitled to the shut-in  
22 hardship gas classification.

23 MR. QUINTANA: Case 8609, Case  
24 8610, and Case 8611 will be taken under advisement.

25

(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. 8608, 8610, 8611  
heard by me on JULY 2 1985.

*Gilbert P. Quintana*, Examiner  
Oil Conservation Division