

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:

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MR. STOGNER: Call next Case Number 8609.

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

MR. PEARCE: Once again, Mr. Examiner, I am W. Perry Pearce of the law firm Montgomery and Andrews of Santa Fe, representing El Paso Natural Gas Company.

We request that we be allowed to make a statement at this time in Cases 8609, 8610, and 8611, rather than having the El Paso personnel make another trip for these cases.

MR. STOGNER: At this time I'm going to call Case 8610 and 8611, which are both applications of Hondo Drilling Company for hardship gas well classification, Eddy County, New Mexico.

The applicant has requested that these cases be continued to the Examiner Hearing scheduled for June 19th, 1985.

At this time we will consolidate these cases for the purposes that a statement may be made by El Paso Natural.

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.

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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. Hogan Examiner
Oil Conservation Division

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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.

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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

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E X H I B I T S

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4 CASE 8609

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6 Hondo Exhibit One, Application 12

7 Hondo Exhibit Two, Plat 13

8 Hondo Exhibit Three, Graph 14

9 Hondo Exhibit Four, Tabulation 16

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11 CASE 8610

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13 Hondo Exhibit One, Application 29

14 Hondo Exhibit Two, Plat 31

15 Hondo Exhibit Three, Graph 32

16 Hondo Exhibit Four, Tabulation 33

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18 CASE 8611

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20 Hondo Exhibit One-A, Application 41

21 Hondo Exhibit Two-A, Plat 41

22 Hondo Exhibit Three-A, Graph 42

23 Hondo Exhibit Four-A, Tabulation 43

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E X H I B I T S CONT'D

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4 Hondo Exhibit One-B, Application 52

5 Hondo Exhibit Two-B, Plat 53

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12 Hondo Exhibit Four-C, Tabulation 59

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14 Hondo Exhibit One-D, Application 61

15 Hondo Exhibit Two-D, Plat 62

16 Hondo Exhibit Three-D, Graph 63

17 Hondo Exhibit Four-D, Tabulation 64

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19 Hondo Exhibit One-E, Application 77

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MR. QUINTANA: We'll call next Case 8609.

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

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

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

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

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

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

MR. QUINTANA: for purposes of

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N. RAYMOND LAMB,

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

DIRECT EXAMINATION

BY MR. CARSON:

Q Would you state your name, please?

A N. Raymond Lamb.

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

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

Q And what are you by education?

A I'm a graduate geological engineer.

Q Have you previously testified before this
Commission?

A Yes, I have.

Q And have your qualifications been accep-
table?

A Yes.

MR. CARSON: Is the witness'
qualifications acceptable?

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

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 been 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 hardship 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 te 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 permature
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 RE CROSS 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 RE CROSS 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 RE CROSS 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.

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.
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REDIRECT EXAMINATION

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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?

REDIRECT EXAMINATION

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BY MR. CARSON:

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

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

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

A Yes.

Q And in that application, as is the case with the other applications, Hondo has stated that the shutting in of the wells causes the intrusion of water into the well which permanently damages the formation and makes it difficult to restore production.

A That's correct.

Q And do you agree with that conclusion?

A Yes.

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

A Correct.

Q Would you -- is that schematic correct to 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 RE CROSS 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 aban-
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

REXCROSS 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:

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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 RE CROSS 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.

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 RE CROSS 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 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 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.

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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 Case No. ~~8609~~ 8610, 8611
heard by me on JULY 2 1985.
S. P. Quintana, Examiner
Oil Conservation Division