

NEW MEXICO OIL CONSERVATION COMMISSION

COMMISSION HEARING

SANTA FE, NEW MEXICO

Hearing Date MARCH 10, 1994 Time: 9:00 A.M.

NAME	REPRESENTING	LOCATION
W. Kellorhin	Kellorhin & Kellorhin	Santa Fe
Mike McElroy	Phillips Petroleum	Farmington
Maurice Trimmer	Byram Co.	SF
VICTOR LYON	GAS CO./N.M.	SF
T. J. SAVAGE	TEXACO TRADING & TRANSP.	MIDLAND, TX.
Robert E. Green	Chevron USA	Midland, TX
Alan W. Bohling	Chevron USA	Midland, TX
Brian H. Huzzey	Chevron USA	Midland, TX
J.B. FRASER	Meridian Oil Inc.	Farmington, NM
William F. Sam	Sampson, Sam, Engel & Jordan	Santa Fe
Jerry Hoover	Conoco Inc.	Midland
DAMIAN BARRETT	CONOCO INC	MIDLAND
Red Steward	Marathon oil	Midland
James Bruce	Artek Law Firm	SF
Donna Bauer	Exxon	Midland
Tom Strickland	ORYX ENERGY CO	Dallas
Pick Hall	Oryx Energy Co.	Dallas
TRAMSEY FAHEL	ORYX ENERGY Co.	DALLAS
PAUL D MOLLO	GAS Com.	ALB

NEW MEXICO OIL CONSERVATION COMMISSION

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NAME	REPRESENTING	LOCATION
<i>Curt D. Smith</i> <i>Gene Davis</i>	<i>Santa Fe Energy</i> <i>Santa Fe Energy</i>	<i>Midland, Tex.</i> "

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING)
 CALLED BY THE OIL CONSERVATION)
 COMMISSION FOR THE PURPOSE OF)
 CONSIDERING:)
 HEARING CALLED BY NMOCD)

CASE NO. 10,933

ORIGINALREPORTER'S TRANSCRIPT OF PROCEEDINGSCOMMISSION HEARING

BEFORE: WILLIAM J. LEMAY, CHAIRMAN
 WILLIAM WEISS, COMMISSIONER
 GARY CARLSON, COMMISSIONER

APR 13 1994

March 10th, 1994

Santa Fe, New Mexico

This matter came on for hearing before the Oil
 Conservation Commission on Thursday, March 10th, 1994, at
 Morgan Hall, State Land Office Building, 310 Old Santa Fe
 Trail, Santa Fe, New Mexico, before Steven T. Brenner,
 Certified Court Reporter No. 7 for the State of New Mexico.

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March 10th, 1994
Commission Hearing
CASE NO. 10,933

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A P P E A R A N C E S

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* * *

1 WHEREUPON, the following proceedings were had at
2 9:06 a.m.:

3 CHAIRMAN LEMAY: We shall call Case Number
4 10,933, which is the Oil Conservation Division Application
5 on its own motion to accept nominations and other evidence
6 and information to assist in determining gas proration
7 allowables for the period of time April, 1994, through
8 September, 1994.

9 At this time I shall ask for appearances in Case
10 10,933.

11 MR. STOVALL: Robert G. Stovall of Santa Fe,
12 appearing on behalf of the Division as the Applicant, and I
13 have two witnesses.

14 CHAIRMAN LEMAY: Thank you, Mr. Stovall.

15 MR. CARR: May it please the Commission, my name
16 is William F. Carr with the Santa Fe law firm Campbell,
17 Carr, Berge and Sheridan.

18 I'd like to enter an appearance in this case for
19 Amoco Production Company; Arco Oil and Gas Company, now
20 called Arco Permian; Chevron USA, Inc.; and Texaco
21 Exploration and Production, Inc.

22 I have statements for Arco and Texaco and Amoco.

23 I will put on three witnesses for Chevron.

24 CHAIRMAN LEMAY: Thank you, Mr. Carr.

25 Mr. Kellahin?

1 MR. KELLAHIN: Mr. Chairman, I'm Tom Kellahin of
2 the Santa Fe law firm of Kellahin and Kellahin.

3 I am appearing on behalf of Oryx Energy Company;
4 Meridian Oil, Inc.; Phillips Petroleum Company; Marathon
5 Oil Company; Conoco, Inc.

6 And I have a total of five witnesses.

7 CHAIRMAN LEMAY: Thank you, Mr. Kellahin.

8 Mr. Bruce?

9 MR. BRUCE: Mr. Chairman, Jim Bruce from the
10 Hinkle law firm in Santa Fe, representing Exxon
11 Corporation. I have one witness.

12 CHAIRMAN LEMAY: Thank you, Mr. Bruce.

13 Additional appearances?

14 At this time will those witnesses who will be
15 giving testimony please stand and raise your right hand?

16 (Thereupon, the witnesses were sworn.)

17 CHAIRMAN LEMAY: We shall begin. Mr. Stovall?

18 MR. STOVALL: Call first, Mr. Jim Morrow.

19 JIM MORROW,

20 the witness herein, after having been first duly sworn upon
21 his oath, was examined and testified as follows:

22 DIRECT EXAMINATION

23 BY MR. STOVALL:

24 Q. Would you please state your name and current
25 place of residence?

1 A. My name is Jim Morrow, and I'm living in Santa
2 Fe.

3 Q. Mr. Morrow, how are you employed?

4 A. I work for the Oil Conservation Division as Chief
5 Petroleum Engineer.

6 Q. And do your responsibilities include managing gas
7 proration, the rules and regulations and application of
8 those to operators?

9 A. Yes, sir.

10 Q. And how long have you done that?

11 A. I came back to work for OCD in November of 1993,
12 and prior to that time I worked here from -- part of 1990
13 and 1991, so I guess nearly two years.

14 Q. And in 1991 you were actually the first chief
15 engineer that got involved in a six-month proration; is
16 that correct?

17 A. Yes, sir.

18 Q. Welcome back. And things have changed a lot,
19 haven't they?

20 A. Yes, sir. They continue the changes.

21 Q. Mr. Morrow, have you prepared some exhibits today
22 with respect to gas proration?

23 A. Yes.

24 Q. And let's just -- You're not actually offering
25 any specific recommendations, but rather providing the

1 basis for the initial tabulations; is that correct?

2 A. That's correct.

3 Q. Would you start out by explaining Exhibit Number
4 1?

5 A. All right. Exhibit Number 1 is what we call the
6 Market Demand and Allowable Determination Schedule.
7 Exhibit 1 is for the prorated pools in southeastern New
8 Mexico.

9 This is the same format we've used for previous
10 hearings concerning six-month allowables, and what it does
11 is begin with the average monthly production for April
12 through September of the previous year for each pool. We
13 add up production and get average monthly for each pool,
14 and then use that. We assume that will be the allowable
15 for the upcoming April-through-September period.

16 We have a column in the table for pool
17 adjustments, which would provide a place for any
18 adjustments which this group would make after they hear the
19 testimony here today.

20 The math for coming up with an F1 factor, which
21 determines the allowable that will be assigned to a
22 nonmarginal well, is to take the marginal production from
23 each pool and subtract that from the total production from
24 each pool for the 1993 period, and then assume that the
25 remainder of the allowable would be assigned to the

1 nonmarginal wells.

2 And if you look at the top line, the Atoka Penn,
3 after we subtract the amount that the marginal wells
4 produced from the total amount, we get 47,000 MCF per month
5 for nonmarginal wells.

6 We have in Atoka Penn only two nonmarginal
7 acreage factors left. So each well with a nonmarginal
8 acreage factor of one would receive an allowable of 23,000
9 MCF per month.

10 Q. Now, let me interrupt you here for just a moment,
11 Mr. Morrow. Looking at this Exhibit 1, it is just simply a
12 mathematical calculation; is that correct? The column one,
13 the average monthly pool sales, is real numbers from
14 Division records; is that correct?

15 A. Yes, sir, they're from Division records.

16 Q. And then when you go to get the monthly pool
17 allowable, that's not a recommendation; that just carries
18 over that number, correct?

19 A. That's right.

20 Q. And then when you add the -- you take the
21 marginal pool allowable, that's based on what the marginal
22 wells produce during the period for which these sales
23 records are reflected; is that correct?

24 A. Yes, on the average that's what they produce.

25 Q. Okay. So it's all just simply -- Anybody who's

1 got a calculator could make these calculations with the
2 base data; is that correct?

3 A. That's correct.

4 Q. Okay. And what about the rest of the pages of
5 that?

6 A. Okay, the other -- The two pages attached to the
7 top page are allowable determination schedules from the two
8 previous periods, and they're just put there for a
9 reference if somebody wanted to look back and see what was
10 assigned six months ago and a year ago.

11 I might point out a couple more things about the
12 exhibit. Three of the pools listed have minimum
13 allowables: Eumont, Jalmat and Justis Glorieta.

14 The mathematics would actually have assigned
15 lower allowables to those three pools than what we've shown
16 here, but we entered the minimum because orders signed by
17 the Commission have set up minimum allowables in those
18 pools.

19 Q. So each of these three pools, the allowable is
20 actually based upon the minimum rather than the previous
21 like period?

22 A. Yes, that's right.

23 Q. Now, with respect to that, it's -- I know there's
24 some parties here that would like to see those allowables
25 boosted up a little bit.

1 Is it possible that there's if some factor that's
2 affected that because some of the previously nonmarginal
3 wells have gone marginal so their production has gone into
4 that column, yet there are some new wells that have been
5 drilled since the last period, which would conceivably be
6 nonmarginal and which would have to share this allowable
7 and --

8 A. Yes, sir, that's right. This is just a schedule
9 to give us a starting place for the allowables, to give us
10 what we in previous hearings have called a preliminary
11 estimate, something to pick at and change.

12 I might point out too, that the four pools that
13 have no nonmarginal units or wells in the pools at this
14 time, we've assigned F1 factors there, and those are based
15 on previous experience and what we feel should be set as a
16 cap in those pools.

17 Q. So that would be a cap on -- Should a well get to
18 that level, it would kind of cap the production; is that
19 what you mean?

20 A. It would give us a way to monitor it. If
21 somebody went into one of those pools and found a well
22 through workover that was capable of making more than just
23 a marginal amount, this would be what they could shoot at
24 for top allowable.

25 Q. And that really wouldn't take effect till those

1 wells reclassified to nonmarginal; is that correct?

2 A. That's right, that's right.

3 Q. Have you done a similar effort for the northwest
4 pools?

5 A. Exhibit 2 is a similar schedule for the four
6 prorated pools in the northwest, and it uses the same
7 method of coming up with an allowable. It's based on
8 April-through-September, 1993, production, to come up with
9 a starting place for an allowable for April-through-
10 September, 1994.

11 The difference in the northwest is that
12 allowables in the northwest are based not just on -- Back
13 up just a minute. The nonmarginal allowable is
14 distributed, not based only on acreage, but there are two
15 factors that come into play in the northwest pools.

16 Part of the nonmarginal allowable is distributed
17 based on acreage, and part of it is distributed based on
18 acreage times deliverability for the individual wells.

19 In the Basin Dakota Pool, 60 percent of the
20 allowable is based on acreage and 40 percent is based on
21 acreage times deliverability.

22 In the other three pools, the basis is 75 percent
23 for acreage times deliverability and 25 percent for
24 acreage.

25 The two columns at the end of the table, the

1 monthly acreage allocation factor is what we call the F1
2 factor, and it's similar to the F1 factor for the southeast
3 pools, and the acreage-times-deliverability factor is what
4 we call the F2 factor.

5 After those factors are set, to determine a
6 well's allowable, a well with an acreage factor of 1 would
7 receive the -- in the case of the Basin Dakota, the 6819
8 MCF per month, plus 8.57 times the acreage factor, times
9 the deliverability.

10 So if a well there had an acreage factor of 1 and
11 a deliverability of 1000, the total allowable would be 6819
12 plus 8570 for a monthly allowable.

13 Q. Again, it's a little bit more complicated
14 formulas, but it's still just a mathematical calculation to
15 get from the first column to the last two columns; is that
16 correct?

17 A. Yes, sir, that's right.

18 Q. And again, you've attached some other pages to
19 Exhibit 2. Are they the same, the previous periods, to
20 kind of show a history?

21 A. Right, they just show history for the previous
22 two six-month periods.

23 Q. Have you looked at proration overall and the
24 proration system to determine if there is a trend with
25 respect to the, if you will, the impact on proration and

1 how many wells -- When we talk about wells, we're really
2 talking gas proration units, right? One or more wells?

3 A. It's really more accurate to talk about gas
4 proration wells, because some wells don't have a full
5 spacing requirement assigned to them, and --

6 Q. And other GPUs may have more than one well; is
7 that correct?

8 A. Yes, five or six wells.

9 Q. Whenever you say the term "well", that's really
10 what we mean just for semantics' sake on the record?

11 A. Yes, you'd use the two terms more or less
12 interchangeably, but "gas proration units" would be more
13 accurate than to say "wells". It would be roughly the same
14 but not exactly the same.

15 Q. Now, again, I started to ask you, have you looked
16 at a trend to see if there's a trend in the impact of the
17 proration system upon GPUs in the system?

18 A. Yes, sir. With the increased allowables and the
19 increased market that the State's enjoyed, the significance
20 of gas proration has rapidly declined over the last few
21 years.

22 You could look in the columns on the first two
23 exhibits that says a number of nonmarginal acreage factors.
24 And in the southeast, as you can see, there are very few
25 that would add up to less than 100 nonmarginal acreage

1 factors in the southeast. And in the northwest on the
2 order of 200 nonmarginal acreage factors are left.

3 So there's not much proration going on.

4 Q. That's less than ten percent of the wells are
5 affected; would that be a safe estimate?

6 A. I think that would be -- Yes, it would be less
7 than ten percent.

8 Q. Have you graphically depicted how this has worked
9 in any way? Have you got an exhibit?

10 A. Yes, we took the pool in the southeast and the
11 one in the northwest, in each of those sections of the
12 State, the pool that had the largest number of nonmarginal
13 units in the pool, and did a series of graphs.

14 Exhibit 3 is three graphs from the Eumont Gas
15 Pool. It shows how monthly average production has
16 increased over the last five years.

17 And if you look at the top graph on Exhibit 3,
18 this shows the allowable and production on a monthly
19 average basis, and these -- what's shown is the production
20 for the April-through-September period. It leaves out the
21 October-through-March period, since this hearing is
22 concerned with April through September.

23 But you can see on that graph that production and
24 allowable have increased. The F1 factors we've assigned in
25 the Pool have increased. And the acreage factors, which is

1 the bottom graph, have declined from 150 in 1989 to 22 at
2 this time.

3 Exhibit 4 is a similar series of plots for the
4 Blanco Mesaverde Pool. The top graph shows increasing
5 production and allowables, the middle graph shows the F1
6 factors that were assigned, and the bottom graph shows the
7 decline in nonmarginal acreage factors in the Blanco
8 Mesaverde Pool.

9 Point out that -- Back to Eumont for a minute.
10 In early 1990, the Commission assigned the minimum
11 allowable in Eumont. Operators came in and -- in early
12 1991, instead of 1990.

13 Operators came in and requested this minimum
14 allowable so that they would know what they could rely on
15 to calculate the economics of their -- for their workovers
16 and drilling projects. The Commission assigned that, and
17 there has been significant workover and drilling activity.
18 We heard about that in a recent hearing last month.

19 And that's resulted in, of course, an increased
20 producing ability in the Pool, and the markets have been
21 better. So both the allowables and the production have
22 increased in that Pool.

23 But both these graphs do show the declining
24 significance of gas proration in New Mexico.

25 Q. And it's really the bottom of the three on each

1 page that's important from that aspect in that that's the
2 number of GPUs that are affected, and it's a pretty
3 constant trend downward, or it appears to be; is that
4 correct?

5 A. Yes, sir, that's right.

6 Q. Now, with respect to the Eumont, the hearing you
7 referred to was to make permanent the rules in the Eumont
8 and Jalmat; is that correct?

9 A. Yes, that's correct.

10 Q. It appears that there was a dip in the F1 factor
11 in the Eumont. Could that be attributed to more wells
12 going marginal?

13 A. Ask the question again, Bob.

14 Q. As far as the dip in the F1 factor, I'm sorry, on
15 the Eumont, Exhibit 3, there appears to be a dip in the
16 last --

17 A. Oh, that's the one that we projected for 1994.
18 That's the 18,300, the minimum that's shown on Exhibit
19 Number 1. That will probably be addressed later by other
20 witnesses, I'm sure.

21 But it's again, just the mathematics of -- Well,
22 it's not the mathematics; it's the minimum allowable. The
23 mathematics -- in other words, a table would have assigned
24 a lower than 18-million-per-month allowable, and so we put
25 the minimum in there.

1 Q. Again, that's probably a reflection of the fact
2 that more GPUs are marginal now than were previously
3 because of the higher allowables; would that be correct?

4 A. Yes, sir. I think as the number of nonmarginal
5 wells declines, the accuracy of this method of determining
6 allowable is not as good. As you get just a few
7 nonmarginal wells, any little fluctuations in the
8 production from those will affect what happens when you try
9 to come up with an allowable from this table.

10 Q. Now, again at this time, you're not making a
11 recommendation that the Commission adopt these allowables
12 but merely presenting this as an informational base upon
13 which parties can recommend adjustments to any pools to
14 which they wish; is that correct?

15 A. Yes, sir, that's correct. However, we do
16 recommend it as a starting place. In the past it's turned
17 out that what we've come up with here for most of the pools
18 is what we wind up with. In some of them, we'll hear from
19 other people that have reasons to request changes.

20 MR. STOVALL: I have nothing further of this
21 witness, and I'd offer Exhibits 1 through 4, Division
22 Exhibits 1 through 4.

23 CHAIRMAN LEMAY: Without objection, Exhibits 1
24 through 4 will be admitted into the record.

25 Questions of the witness?

1 COMMISSIONER CARLSON: No questions.

2 CHAIRMAN LEMAY: Commissioner Weiss?

3 EXAMINATION

4 BY COMMISSIONER WEISS:

5 Q. Yes, you say it's becoming -- the significance of
6 proration is less today than it was before and that it's
7 more difficult to set the allowables because of this lower
8 number of wells?

9 A. Well, I didn't really mean that. The first part
10 of that, the significance is declining because the number
11 of wells that proration actually affects is declining.

12 Because of the increased markets, we've set
13 allowables at levels that not too many of the wells in the
14 pools can produce. So that has caused a decline in the
15 significance in the number of wells affected.

16 Now, what I meant by the difficulty in
17 determining an allowable by this method is that if you just
18 have one or two wells in there that are nonmarginal wells,
19 and one of them is down for a couple of months, then you
20 don't show much nonmarginal production. You may -- On the
21 average, you won't show much. You may come up with a
22 factor that won't be really the right factor for the
23 future. Whereas, if you had a large number in there,
24 averages would help you get it right.

25 Q. Well, in view of this, do you think proration of

1 this current -- is valuable?

2 A. I think we need to look at it as we move along,
3 and we have done that. The minimum allowables have been a
4 way to adjust the system.

5 In the past year, I believe, or maybe the past
6 couple of years, one pool has been deprorated, and over the
7 years pools have been deprorated in -- you know, throughout
8 the years, and in both parts of the state.

9 So I think it's something we and the operators
10 need to review and come up with recommendations for changes
11 when we see that that's appropriate.

12 COMMISSIONER WEISS: Okay, thank you.

13 CHAIRMAN LEMAY: I don't have any questions.

14 Additional questions? If not, the witness may be
15 excused. Thank you, Mr. Morrow.

16 Does he need to be qualified, Counselor? I don't
17 know if we did that.

18 MR. STOVALL: No, he's not offering an opinion,
19 really, he's just giving you factual information, so I
20 don't think we need to...

21 We know he's an expert but we don't need his
22 expert opinion in this case.

23 THE WITNESS: I've been qualified in here before.

24 MR. STOVALL: That's true, that's true.

25 I call Dan Hall at this time.

1 DAN W. HALL,
2 the witness herein, after having been first duly sworn upon
3 his oath, was examined and testified as follows:

4 DIRECT EXAMINATION

5 BY MR. STOVALL:

6 Q. Mr. Hall, would you please state your name and
7 occupation?

8 A. My name is Dan W. Hall, and I'm a natural gas
9 marketing specialist/economist.

10 Q. And who are you employed by?

11 A. I'm employed by the State of New Mexico; Oil
12 Conservation Division; Energy, Minerals and Natural
13 Resources Department.

14 Q. Have you previously testified before the
15 Commission and had your qualifications as an economist
16 accepted?

17 A. No, I have not.

18 Q. Would you summarize your educational background
19 post-high school?

20 A. Okay, I earned a master of arts degree in
21 economics, with a specialization in public utility
22 regulation from New Mexico State University. I also have
23 undergraduate degrees in agricultural economics and
24 business management from NMSU.

25 Q. What about your professional experience?

1 A. I've worked with OCD in the current capacity for
2 slightly over five years. Prior to that, I was a senior
3 rate analyst for the Public Utilities Commission in New
4 Mexico.

5 Q. Would you just describe briefly what --
6 particularly with respect to the OCD, what your duties
7 entail as respects natural gas marketing and the movement
8 of gas through New Mexico?

9 A. Within the Natural Gas Marketing Bureau and
10 Office of Interstate Natural Gas Markets, I act as the
11 economist to provide economic/financial policy analysis on
12 all regulatory issues involved with interstate movement of
13 natural gas, also provide market research on behalf of the
14 Bureau.

15 Q. And in the course of those duties you look at the
16 market trends, if you will, in natural gas to see what the
17 markets are and --

18 A. Yes, sir.

19 Q. -- all the economic -- economist evaluation of
20 that; is that correct?

21 A. Certainly, all the economic, financial and
22 policy-type analysis to not only identify issues but
23 barriers to the marketing of New Mexico's natural gas.

24 Q. And have you made a specific evaluation in
25 preparation for today's hearing?

1 A. Yes, I have.

2 Q. And based upon that evaluation, are you prepared
3 to offer some opinions with respect to the impact of gas
4 marketing from an economist's point of view on the ability
5 to market natural gas in New Mexico?

6 A. Yes.

7 MR. STOVALL: I would offer Mr. Hall as an expert
8 economist.

9 CHAIRMAN LEMAY: His qualifications are
10 acceptable.

11 Q. (By Mr. Stovall) Now, Mr. Hall, before we get
12 into the details of it, why don't you just briefly state
13 what is your opinion, what are you hear to tell us with
14 respect to the proration system?

15 A. Well, today the purpose of my testimony is really
16 to provide a brief review of the natural gas production in
17 New Mexico and through illustrations examine trends in
18 prorated and non-prorated natural gas production in the
19 state.

20 The data and graphic illustrations and
21 representations that I make today included in my exhibits
22 support my conclusion that OCD system of natural gas
23 prorations is successful in allowing prorated gas pools in
24 New Mexico to react to the economic conditions of the
25 natural gas market and further compete for incremental

1 markets or demand for the natural gas.

2 Q. Stated another way, are you saying that the
3 proration system does not impose an artificial restraint on
4 the supply of natural gas to the market?

5 A. Through my analysis, I believe that New Mexico
6 OCD's proration system does not inhibit or preclude natural
7 gas production from prorated pools to participate in the
8 natural gas market.

9 Q. Now, you've prepared some exhibits to support
10 your conclusions; is that correct?

11 A. Yes.

12 Q. Why don't we just start through those and start
13 with -- We've designated your exhibits as Exhibits A, I
14 believe, through D; is that correct? Through F, I'm sorry.

15 A. A through F.

16 Q. And why don't you just start with Exhibit A and
17 explain the significance of those and how they support your
18 conclusion?

19 A. Okay. Exhibit A is a tabular chart of data
20 compiled from OCD records, and it shows natural gas
21 production in MCF through a period from 1985 through 1993,
22 and it's broken out in prorated, non-prorated, northwest,
23 southeast, and statewide.

24 This data includes gas well gas only, and it also
25 shows the average producing -- the number of average

1 producing wells in each category. This is the basis for
2 the following graphic representations.

3 Q. So when we go to look at the remainder of the
4 exhibits, which you say are graphic, you could go back to
5 this and find out how you got the numbers, is really what
6 it's in there for; is that right?

7 A. Correct.

8 Q. All right. Let's move on to your graphs, and why
9 don't we, again, explain what they say and what their
10 significance is.

11 A. Exhibit B, which is -- depicts prorated and non-
12 prorated natural gas production throughout the state. And
13 the line across the top of the graph depicts statewide
14 production. You can see we've seen a dramatic increase in
15 natural gas production in New Mexico from the low of 1986.

16 The dark bars across the bottom of the graph
17 represent the prorated production statewide, while the
18 light-colored bars indicate non-prorated production through
19 this nine year period.

20 On closer examination, both prorated and non-
21 prorated production has increased since the low of 1986,
22 although reacting to the market differently in volatility
23 and growth patterns. They're both having an increasing and
24 positive slope.

25 Exhibit C, to get to a closer analysis, I broke

1 out southeast New Mexico production. In this case, the
2 darker bars again indicate the prorated production.

3 It indicates an annual growth in the production
4 from prorated pools since 1986, while non-prorated
5 production, shown by the lighter-shaded bars, shows a
6 similar increase on the average, but highly volatile on an
7 annual basis.

8 Q. Mr. Hall, looking at these first two exhibits --
9 Now, all your exhibits -- they plot time on the -- I guess
10 that's called the X axis; is that correct? The horizontal
11 axis?

12 A. Correct.

13 Q. And volumes on the vertical axis?

14 A. Correct.

15 Q. The first exhibit, just for the record, I note
16 that the volume is in TCF, trillion cubic feet. Is that --

17 A. Trillion cubic feet. And Exhibit C is in BCF,
18 because this is where I broke it down into a producing
19 region, working with smaller volumes.

20 Q. Now, have you done the same thing in the
21 northwest?

22 A. Yes, I have. And then -- Clarification: This Y
23 axis, the volumes are in TCF increments.

24 And Exhibit D is for the northwest. It's similar
25 to Exhibit C in showing prorated/non-prorated production.

1 Production in the San Juan has increased
2 dramatically over this time period, due to several factors,
3 including the coal-seam gas development and
4 gathering/processing capacity increases and interstate
5 pipeline capacity expansions.

6 A. Now, in the northwest the discovery and
7 development of coal-seam gas has had an impact on
8 production on that basis; is that not correct?

9 A. Yes, in a first glance at this graph the prorated
10 production looks to be almost flat and -- However, the
11 prorated production does show some growth since the low of
12 1986.

13 And also the non-prorated production, by the
14 lighter-shaded bars, includes the coal-seam gas production,
15 and this skews the interpretive value of the graph.
16 Although I've cured this problem on the following exhibit,
17 I left this thing to show the influence coal-seam
18 developments had on the natural gas supplies from the San
19 Juan Basin.

20 Q. Now, would you turn, then, to Exhibit E, and this
21 again shows your breakout, so you've got so-called
22 traditional and then coal-seam gas shown by separate bars
23 on your bar graph; is that correct?

24 A. Correct. The addition to this graph is coal
25 seam, which appears in 1988, and it's shown by the hollow

1 bars.

2 Q. And once you break coal seam out, then, am I
3 reading this correct, that the traditional non-prorated gas
4 is actually a fairly low portion of northwest production?

5 A. Yes, a very low portion of northwest production.
6 And taking the coal seam out of the non-prorated category,
7 that more accurately depicts the trends for each.

8 In the northwest, prorated and nonprorated
9 production rose modestly from 1986, with only a positive
10 slope to this period. The coal-seam gas production,
11 however, has enjoyed tremendous growth since 1988,
12 capturing most of the increment market.

13 Q. Is this -- In your opinion, is this due to the
14 proration system restricting the ability of prorated gas to
15 get to the market, or is it due to increased development
16 and availability of non-prorated gas?

17 A. I think -- What these five exhibits show is that
18 the prorated/non-prorated natural gas production in New
19 Mexico compete equally for market share, and prorated gas
20 pools can react sufficiently to capture incremental demand
21 and react to market conditions, as you can see by the
22 volatility and growth patterns in it.

23 The coal-seam gas, I set that out from this to
24 more clearly depict non-prorated gas production. But coal-
25 seam gas, from an economic standpoint, really could be

1 viewed as a substitute, a perfect substitute, with lower
2 priming costs, tax credit, different processing and costs
3 of processing, although it's methane, it's -- and once it's
4 at market, it's a homogeneous commodity in the ground, it
5 can be looked at as a perfect substitute with some
6 advantage, which is shown by the speed in which it's been
7 able to enter the market and capture incremental demand.

8 Q. But that's a function of economics and market
9 activity, rather than a function of the system; is that
10 correct?

11 A. Correct, it has nothing to do with proration.

12 Q. How long have you been making productions -- or,
13 excuse me, predictions, Mr. Hall?

14 A. Since the first year I came to work at OCD, I
15 developed a model, a linear regression model, and in
16 subsequent years have modified it only slightly to project
17 natural gas production out 12 to 18 months.

18 Q. And have you made any projections for 1994?

19 A. In 1994 -- in fact, the Exhibit F, the last
20 exhibit, shows the actual production from 1991, 1992, 1993,
21 and the projection for New Mexico natural gas production
22 statewide for 1994, at one point, 461 trillion cubic feet.

23 Q. Now, have you done an analysis to determine
24 whether your previous projections have -- how have they
25 done?

1 A. The regression model in these natural gas
2 production levels uses historical production levels and
3 prices, and NYMEX, New York Mercantile Exchange, natural
4 gas futures prices to project future production levels.

5 These projected levels that are shown on the
6 graph -- For instance, 1991, the projected level of 1.025,
7 was not a projection done in hindsight. I have retained
8 the data from previous forecasts or projections, included
9 it in this graph, just to show that this model has been
10 sufficiently closely or accurately predicting.

11 Q. Pretty good at this, huh?

12 A. Pretty good.

13 Q. Yeah. Just -- In other words, quite seriously,
14 what you're saying is that history has shown that your
15 ability to do this, given no drastic changes in the forces
16 that would affect your model, that you have some confidence
17 in the reliability of it?

18 A. Yeah, I do. It's a simple model, although more
19 elaborate or sophisticated models could be developed and
20 are used elsewhere. For our purposes within the Natural
21 Gas Marketing Bureau, for planning or other internal uses,
22 this model has been very sufficient.

23 Q. Now, I think it's implicit, but just to make it
24 clear on the record, I meant to ask you this earlier: With
25 respect to the prorated pools that you've identified, you

1 have looked at pool production rather than looking at
2 marginal/nonmarginal. It's the total production from the
3 pool; is that correct?

4 A. Total gas production from the prorated pools,
5 correct.

6 MR. STOVALL: I have no further questions of Mr.
7 Hall and would offer Exhibits A through F.

8 CHAIRMAN LEMAY: A through F --

9 MR. STOVALL: Oh, I'm sorry, Mr. Hall has one
10 more statement he'd like to make. I forgot to ask him if
11 he had anything else.

12 THE WITNESS: On this last graph, Exhibit F, the
13 only other thing I wanted to mention was, from an actual
14 production level of 1.019 TCF in 1991, the State and the
15 natural gas industry in New Mexico enjoyed an almost
16 22-1/2-percent growth in 1992 and 11.9, almost 12 percent,
17 growth in 1993 production volumes.

18 What I'm seeing now through the model and through
19 my knowledge of the natural gas industry and current events
20 in the industry are consistent with the model results in
21 that New Mexico will continue to see growth in natural gas
22 production throughout 1994, however at a slower rate,
23 looking at around 5 percent increase in production in 1994.

24 Q. (By Mr. Stovall) One follow-up question to that,
25 then. Is it -- In the days when proration was created, it

1 was done when there was a limited demand and an excess
2 supply and a regulated price and transportation system,
3 conditions which no longer exist; is that correct?

4 A. That's correct.

5 Q. And so what is happening in natural gas marketing
6 today is that it is more of an economic function and less
7 of a regulatory function?

8 A. And the natural gas market is certainly more
9 competitive and less regulated.

10 Q. And therefore it is important that a regulatory
11 system designed in the old ways must adapt and respond and
12 allow gas to function in this more competitive market?

13 A. Certainly.

14 Q. And it is your opinion that the New Mexico system
15 permits that, or at least doesn't inhibit that
16 participation?

17 A. The New Mexico OCD proration system does not
18 inhibit that market participation of gas produced and
19 prorated.

20 MR. STOVALL: Well, this time I have nothing
21 further, and I still want the exhibits --

22 CHAIRMAN LEMAY: Without objection, Exhibits A
23 through F will be admitted into the record.

24 Questions of Mr. Hall?

25 Gary?

EXAMINATION

BY COMMISSIONER CARLSON:

Q. Yeah. Dan, I understand you didn't take marginal and nonmarginal production into account. But if you did, do you have any idea what these graphs and numbers would look like?

For example, on your Exhibit A, where you -- Let's do the southeast. You have 995 wells that are subject to proration, producing 106 -- whatever that is, BCF, I guess. If we would look at just the wells and production that are actually affected by proration -- in other words, the nonmarginal -- do you know what those numbers would be?

A. Well, the nonmarginal wells would see the increase. The marginal wells, by definition, would be the flatter or declining wells, with lower production.

Q. Well, but your 995 here, for example, that includes all the marginal wells; probably 90 percent of that figure is marginal wells, don't you think?

A. Correct.

Q. So we can assume that --

A. They are producing at capacity. They are entering the market and can -- their operators can make whatever economic decision is necessary.

Q. My point is, it would be interesting to see -- at

1 least for me, I don't know about the other members of the
2 Commission but -- how much effect -- how much production
3 and how many wells are really affected by prorationing.
4 And this really doesn't show that; it just shows the
5 production from prorated pools.

6 A. It does not show that, right.

7 COMMISSIONER CARLSON: Maybe when we do this
8 again in six months it would be interesting to see those
9 figures.

10 MR. STOVALL: Commissioner Carlson, if you go
11 back to Mr. Morrow's Exhibit Number 1 --

12 COMMISSIONER CARLSON: Uh-huh.

13 MR. STOVALL: -- you can kind of get an idea of
14 that if you take the -- You can look at it either way. You
15 take the monthly pool allowable column, the third column on
16 either of the -- and then you can take -- you can look at
17 both the breakout of the nonmarginal and nonmarginal pool
18 allowable.

19 Just roughly, in my head, it appears that the
20 nonmarginal appears to be anywhere from less than 10 to
21 about 40 percent of the total pool production in any given
22 pool.

23 But if you look at the absolute numbers, it's --
24 they're -- The higher pool, the lower the percentage that
25 the nonmarginal wells have in those pools, generally

1 speaking.

2 So I think that if you look at the two exhibits
3 together, you can get a sense for it. Not graphically
4 depicted, but that might help you to get a feel.

5 I think Mr. Morrow -- and Mr. Hall, would you
6 agree, that the marginal wells are less and less
7 significant in this picture?

8 THE WITNESS: Yes, I would.

9 COMMISSIONER CARLSON: Well I'm just beginning to
10 wonder why we go through this exercise every six months,
11 that the effect we're having is so small that it -- I just
12 wonder if we shouldn't look at the whole allowable system
13 and maybe structure something else.

14 I mean, if a company feels that their correlative
15 rights are being violated, maybe they can bring a case
16 before us, rather than go through this six-months allowable
17 thing when the effect we're looking at is just almost
18 minuscule now.

19 MR. STOVALL: I can -- We've had the discussion
20 at the Division level, and of course, you know, I will --
21 probably wouldn't be involved in the future.

22 But two things that would come up is the --
23 Proration does two things which are potentially beneficial.

24 One is put a cap on some superstar wells, if you
25 will, wells that are capable of draining a large area and

1 producing substantially higher volumes than any other well
2 in the pool.

3 The second thing it does is where you've got a
4 prorated pool, it's much easier to come up with an infill
5 drilling program and to recover some additional gas, and
6 what the value of that is I'm not sure. And there might be
7 other ways to address it, such as a superstar allowable, if
8 you will, a max for a pool or something like that.

9 I think it's worth looking at because I think you
10 raise a valid question.

11 COMMISSIONER CARLSON: Well, how many of these
12 wells are overproduced?

13 Maybe I should ask Jim this.

14 MR. MORROW: How many are overproduced?

15 COMMISSIONER CARLSON: Yeah.

16 MR. MORROW: I don't have that figure.

17 MR. STOVALL: Well, perhaps a more significant
18 question -- and I think -- I would speculate, you know, I
19 don't have the answer -- is that in the old days of
20 production there were lots of wells that were production-
21 restricted because they'd reached their six-times and
22 twelve-times cap.

23 COMMISSIONER CARLSON: Uh-huh.

24 MR. STOVALL: And maybe when some of the
25 operators are on the stand you can ask them.

1 I think there are very few wells that have
2 reached that shut-in level of six- or twelve-times
3 overproduction, because with the allowable levels, even the
4 bigger wells are only producing by a fraction of the
5 allowable rather than two or three times the allowable.

6 COMMISSIONER CARLSON: Right.

7 MR. STOVALL: So I think it's a valid question,
8 and perhaps the operators can tell you when they get on the
9 stand.

10 COMMISSIONER CARLSON: Okay, that's it.

11 CHAIRMAN LEMAY: Commissioner Weiss?

12 EXAMINATION

13 BY COMMISSIONER WEISS:

14 Q. Mr. Hall, I don't think this is a fair question
15 to ask you, but I'm going to anyways.

16 On Exhibit B, if New Mexico had no gas proration
17 system, what would this exhibit look like?

18 A. Well, other than a separation of prorated and
19 non-prorated, I think the production levels would be
20 virtually the same.

21 Q. So the solid line would be approximately the
22 same?

23 A. Uh-huh.

24 COMMISSIONER WEISS: Thank you. I have no other
25 questions.

EXAMINATION

BY CHAIRMAN LEMAY:

Q. Again, I'm probably going to ask you an unfair question, but in terms of Mr. Carlson's questions, are you familiar with some of the other prorated -- or the ways the Division and the Commission can use proration to apply penalties to wells that crowd lease lines and things like that?

A. Not really.

Q. I was afraid I was getting off -- The discussion went a little bit that way.

A. Yeah.

CHAIRMAN LEMAY: I think at the risk of testifying myself, we'll probably just leave that there and look at proration on a six-month basis, and possibly other witnesses can shed light on that.

Are there additional questions of the witness?

If not, he may be excused. Thank you, Mr. Hall.

MR. STOVALL: And that's all I have, Mr.

Chairman.

CHAIRMAN LEMAY: Thank you, Mr. Stovall.

Let's just go off the record for a second here.

(Off the record)

CHAIRMAN LEMAY: Okay, we can go back on the record.

1 We will take the northwest prorated pools first
2 and begin with the Basin Dakota Pool. And let's see, I
3 think it's -- Basin Dakota would be probably you, Mr.
4 Kellahin?

5 MR. KELLAHIN: Yes, sir.

6 CHAIRMAN LEMAY: Thank you. You may proceed.

7 MR. KELLAHIN: I have two clients with
8 presentations on Basin Dakota. Meridian has a combined
9 presentation where Mr. Fraser is going to talk about the
10 Basin Dakota and Mesaverde, and it might expedite it to
11 just let him do --

12 CHAIRMAN LEMAY: Fine.

13 MR. KELLAHIN: -- that together.

14 And then the Phillips Petroleum Company
15 presentation is with regards to the Dakota.

16 CHAIRMAN LEMAY: Okay.

17 MR. KELLAHIN: I'd like to call Mr. Fraser at
18 this time.

19 JAMES B. FRASER,
20 the witness herein, after having been first duly sworn upon
21 his oath, was examined and testified as follows:

22 DIRECT EXAMINATION

23 BY MR. KELLAHIN:

24 Q. Please state your name and occupation.

25 A. My name is James Fraser. I'm a production

1 superintendent with Meridian Oil in Farmington, New Mexico.

2 Q. Are you a petroleum engineer by education and
3 degree?

4 A. Yes, sir, I am.

5 Q. What are your current responsibilities for your
6 company, insofar as this particular topic is of concern?

7 A. I review the OCD-recommended allowables for the
8 pools in the northwest portion of New Mexico and then do
9 some analysis as concerns Meridian Oil and the pool in
10 general, see if those recommendations are applicable.

11 Q. In the past, have you made similar reviews and
12 testified before this Commission and provided your opinions
13 with regards to the adjustments of any of the prorated gas
14 pools in the northwestern part of New Mexico?

15 A. Yes, sir, I have. This is the fourth time, I
16 believe, I've been before this Commission.

17 Q. Have you studied the preliminary schedule that
18 has been circulated by the Division, examined your own
19 records, and reached any opinions and conclusions about
20 what to do with the schedule as we move into the next
21 proration period?

22 A. Yes, sir, I have.

23 MR. KELLAHIN: We tender Mr. Fraser as an expert
24 witness.

25 CHAIRMAN LEMAY: His qualifications are

1 acceptable.

2 Q. (By Mr. Kellahin) Mr. Fraser, let me have you
3 turn, sir, to what we've marked as Meridian Exhibit Number
4 1, identify that and describe what you're showing.

5 A. Certainly. This is a table that has the NMOCD-
6 recommended pool allowable in MCF per month for the three
7 largest pools in the northwest portion of New Mexico, those
8 being the Basin Dakota, the Blanco Mesaverde and the Blanco
9 PC South.

10 The first line I have listed there is labeled
11 NMOCD-recommended value for the Basin Dakota. That is
12 9.548 BCF per month. For the Blanco Mesaverde, 16.5 BCF
13 per month. And for the Blanco PC South, 1.22 BCF per
14 month.

15 The second line is Meridian's recommended
16 adjustments. And, as everyone can see, on that exhibit I
17 have no adjustments, recommendation to make at this
18 hearing.

19 If you add those two columns together you get
20 what Meridian would recommend as the monthly pool
21 allowable, and it's simply the same as the OCD-recommended
22 value.

23 I think this is reflective of how the system has
24 worked in the past, and I applaud the Commission for taking
25 their revisions that they had in there the last few years,

1 and I think the system works very well now as far as the
2 northwest pools.

3 Q. Have you prepared a display to see how the
4 allocation or the allowables are handled in the Blanco
5 Mesaverde Pool?

6 A. Yes, if everyone would please turn to Exhibit
7 Number 2, this is a historical plot of Blanco Mesaverde
8 Pool production in the northwest portion of New Mexico with
9 BCF per month on the vertical or Y axis, and then the
10 historical from January of 1991 through December of 1993 as
11 the horizontal or X axis.

12 The solid line represents the monthly pool
13 production for that time frame. The last two months,
14 November and December of 1993, I have estimated based on
15 Meridian's percentage of the pool and our internal records
16 as to what the pool produced during that time frame.

17 The horizontal line that is labeled "average
18 equals 16.6" is simply the arithmetic average of the last
19 18 months of production for the pool. That average is 16.6
20 BCF.

21 Q. How does that average compare to what is shown in
22 the preliminary schedule for the next proration period?

23 A. It's essentially the same. The NMOCD-recommended
24 value is 16.5 BCF. The pool has shown a historical ability
25 to produce at a 16.6 BCF-per-month rate for the last 18

1 months, and therefore I recommend no change to what the
2 Commission has recommended.

3 Q. Do you have an opinion as to whether or not there
4 continues to exist market demand for gas at this allowable
5 level?

6 A. Yes, sir, I think the market can absorb all the
7 gas that is being produced in the Mesaverde.

8 Q. Let's turn now to the plot on the Dakota Pool.
9 That's Exhibit Number 3. Would you identify and describe
10 that display?

11 A. Exhibit Number 3 is a similar presentation for
12 the Dakota Pool. Once again, production in BCF per month
13 is on the vertical axis, and a historical timetable from
14 January of 1991 through December of 1993 is on the
15 horizontal axis.

16 Once again, the solid dark line is the actual
17 production for the pool during this time frame, with
18 November and December values being estimated via Meridian's
19 internal estimate of production and percentage of the pool
20 production.

21 As the horizontal line labeled "average equals
22 9.5 BCF" exhibits, for the same 18-month time frame, the
23 average pool production in the Dakota has been 9.5 BCF,
24 which is essentially the same. It is the same as the
25 NMOCD-recommended value for this summer proration period.

1 Therefore, the conclusion that I draw from this
2 exhibit is that the market demand can absorb the pool
3 production of the Basin Dakota, and the Dakota Pool can
4 produce at a 9.5-BCF-per-month limit.

5 Q. Have you taken this information and data and
6 displayed it in a different format?

7 A. Yes, Exhibit Number 4 is actually probably a
8 little easier to understand. It is simply a bar graph by
9 year, from 1982 through 1993, once again an average
10 production for the Mesaverde production in BCF per month,
11 with one bar representing each year.

12 Now, this does not differentiate between the
13 summer and the winter time frame.

14 What it shows is that in 1983 I've estimated the
15 average pool production of the Mesaverde as 16.5 BCF, and
16 you can see just from looking at the bar graph, that is the
17 largest -- the highest production that the Basin -- that
18 the Blanco Mesaverde has enjoyed since 1982, and that is
19 due to a couple of reasons.

20 As I've testified in previous hearings, take-away
21 ability in the Basin has expanded in the last couple of
22 years due to interstate pipeline construction. Therefore,
23 the deliverability and producing ability of the Mesaverde
24 has increased dramatically in the last several years to its
25 current level, about 16.5 BCF.

1 Q. Let's turn to the Basin Dakota display, Exhibit
2 5.

3 A. Exhibit 5 is a similar presentation for the Basin
4 Dakota.

5 As you can see, the yearly estimate for 1993 is
6 estimated as 9.42 BCF per month, which is the highest
7 monthly production in the Basin Dakota since 1985, or in
8 the last eight years. This is reflective of the same
9 conditions I just spoke about, take-away capacity out of
10 the San Juan Basin.

11 Q. I will tell you, Mr. Fraser, that the Phillips
12 witness is about to request an adjustment by the Commission
13 in the Basin Dakota. That company is seeking a 100-
14 million-MCF additional adjustment be placed in the Basin
15 Dakota.

16 What is your company's position with regards to
17 an adjustment of that level?

18 A. We have no objection to that recommendation by
19 Phillips.

20 Q. Do you have anything else, Mr. Fraser?

21 A. No, I don't believe I have any other direct
22 testimony.

23 MR. KELLAHIN: That concludes my examination of
24 Mr. Fraser.

25 We move the introduction of his Exhibits 1

1 through 5.

2 CHAIRMAN LEMAY: Without objection, Exhibits 1
3 through 5 will be admitted into the record.

4 Questions of the witness?

5 Commissioner Carlson?

6 COMMISSIONER CARLSON: I don't think so.

7 CHAIRMAN LEMAY: Commissioner Weiss?

8 COMMISSIONER WEISS: I have one.

9 EXAMINATION

10 BY COMMISSIONER WEISS:

11 Q. Jim, would your company be adversely affected in
12 terms of correlative rights if there was no proration in
13 the northwest?

14 A. I don't believe so, sir. Mr. Carlson had asked a
15 question about how many wells were shut in and
16 overproduced, and I do happen to have Meridian's statistics
17 on that, and I'd like to try to share that with you to try
18 to amplify that point I just made.

19 For instance, in the Dakota Pool we operate 1418
20 wells. There are no wells overproduced, 12 times
21 overproduced, that Meridian operates at this time.

22 In the Mesaverde we operate 1934 wells. Two of
23 those wells are shut in due to 12 times overproduced.

24 Point being is, very few wells are being affected
25 by the 12-times-overproduced limits.

1 COMMISSIONER WEISS: Thank you.

2 CHAIRMAN LEMAY: I don't believe I have any
3 questions, Mr. Fraser. Thank you very much for your
4 testimony.

5 Without additional questions, you may be excused.

6 Mr. Kellahin, call your next witness.

7 MR. KELLAHIN: Yes, sir. On behalf of Phillips
8 Petroleum Company, I'd like to call Mr. Mike McGovern.

9 MIKE MCGOVERN,

10 the witness herein, after having been first duly sworn upon
11 his oath, was examined and testified as follows:

12 DIRECT EXAMINATION

13 BY MR. KELLAHIN:

14 Q. Would you please state your name and occupation?

15 A. My name is Mike McGovern. I'm a reservoir
16 engineer with Phillips Petroleum.

17 Q. Mr. McGovern, on prior occasions have you
18 testified before the Oil Conservation Commission or
19 Division of New Mexico?

20 A. No, I have not.

21 Q. Summarize for us your education.

22 A. I've got a petroleum engineering degree from
23 Louisiana State University.

24 Q. In what year, sir?

25 A. 1982.

1 Q. All right, sir.

2 A. And I've worked for Phillips Petroleum since that
3 time in the capacity as a reservoir engineer, and my
4 current title is a reservoir engineering specialist in the
5 Farmington office.

6 Q. As part of your duties in the Farmington office,
7 have you made a study of the allowable system in the Basin
8 Dakota with regards to your production?

9 A. Yes, I have.

10 Q. And based upon that study, do you have
11 recommendations for the Commission concerning an adjustment
12 in the allowable for the Basin Dakota Pool for the next
13 proration period?

14 A. Yes, I do.

15 MR. KELLAHIN: We tender Mr. McGovern as an
16 expert witness.

17 CHAIRMAN LEMAY: His qualifications are
18 acceptable.

19 Q. (By Mr. Kellahin) Mr. McGovern, let me have you
20 refer to Exhibit 1, and then ignore it for a moment and
21 let's talk about where you want to be.

22 The calculation you've shown on your Exhibit 1 is
23 in a slightly different format, if you will, than the
24 spreadsheet before the Commission, if they're looking at
25 the preliminary schedule that the Division has issued.

1 A. That's right.

2 Q. All right, let's deal with the end result of the
3 calculation. Under the current allowable level, when you
4 look at the nonmarginal GPU, on a daily basis how much gas
5 can you produce?

6 A. From a nonmarginal GPU?

7 Q. Yes, sir.

8 A. On a daily basis. That's a function of the
9 acreage allowable and the deliverability allowable. And
10 for instance, 1-million-cubic-feet-a-day deliverability, a
11 nonmarginal well would be allowed to produce -- a
12 nonmarginal proration unit would be allowed to produce 800
13 MCF per day.

14 Q. Okay. What are you trying to accomplish with
15 this --

16 A. I'm sorry, that was for the proposed adjustment.
17 Is that what you had asked me to say?

18 Q. No, sir, you and I are not communicating.

19 A. Sorry.

20 Q. If we take the preliminary schedule without your
21 adjustment in it --

22 A. Right.

23 Q. -- assume a nonmarginal GPU -- I understand it's
24 going to be different because there's a deliverability
25 component to the calculation --

1 A. Right.

2 Q. -- but pick a baseline deliverability --

3 A. Okay.

4 Q. -- that is characteristic of the nonmarginal
5 wells and tell us without an adjustment what that GPU can
6 have.

7 A. Okay, without an adjustment and 1 million cubic
8 per day, a GPU would be allowed to produce 506 MCF per day.

9 Q. Okay. When we look at this schedule without an
10 adjustment, do you have an indication for us of at what
11 level a well would be reclassified from marginal to
12 nonmarginal?

13 A. The well -- Well, the well's classified as
14 nonmarginal when it's able to produce -- when it
15 historically produces in excess of its allowable.

16 However, based on the acreage alone, if a well
17 can produce over 224 MCF per day, then the deliverability
18 component of the allowable is applied and impacts the
19 allowable for the well.

20 Q. Okay. Under that situation where nonmarginal
21 wells are going to have the capacity to produce in excess
22 of 225 MCF a day, how many of those kind of creatures do
23 you have?

24 A. We only have two wells in the Basin Dakota --
25 they were both drilled in 1991 -- that are classified as

1 nonmarginal and that produce at 12 times the allowable and
2 are currently shut in.

3 We drilled nine wells last year, based on
4 allowables set in the fall of 1992, spring of 1993. Based
5 on those allowables, and those wells -- only two of those
6 wells are on production. The remaining seven will be
7 coming on production this spring, and they will probably --
8 -- if they produce up to expectations -- will also be
9 curtailed and will reach 12 times the excess of allowable.

10 Q. If no adjustment is made in the schedule, what
11 impact, if any, does it have on the economics of that work
12 recently done?

13 A. It drastically reduces the economics of the wells
14 drilled in 1993, and with the current allowables, the seven
15 wells that we had planned for 1994, we probably wouldn't be
16 able to justify.

17 Q. All right. Future work, you've got what? Seven?
18 Nine?

19 A. Seven.

20 Q. Seven wells for 1994 that you're going to have to
21 postpone if the allowable level stays as shown on the
22 preliminary schedule?

23 A. That's correct.

24 Q. Have you made a calculation to show us what
25 adjustment you would recommend to be placed in the

1 allowable schedule to provide the economic incentive for
2 you to go ahead and do the work?

3 A. Yes.

4 Q. What's the number?

5 A. The number is an adjustment. If we can refer to
6 this exhibit here --

7 Q. Yeah, Exhibit 1?

8 A. Well, not Exhibit 1 but the Commission's --

9 Q. -- preliminary schedule?

10 A. -- preliminary schedule.

11 MR. STOVALL: Exhibit 2, I believe it is.

12 Q. (By Mr. Kellahin) All right, sir, Exhibit 2, and
13 if you'll turn to the first lines, the Basin Dakota -- ?

14 A. Right.

15 Q. All right. Take us through the line and show us
16 where the adjustment is.

17 A. Okay. The first column there is the average
18 monthly pool sales, and we would -- and that is equivalent
19 to column three, which is the monthly pool allowable
20 proposed for the summer of 1994.

21 We would wish to increase that pool allowable by
22 roughly one percent, which would then place in column two a
23 pool adjustment of 98,958 MCF per month, resulting in a
24 month -- in column five, a monthly nonmarginal pool
25 allowable increase from 171,042 to 270,000 MCF per month.

1 The result of this adjustment would allow us to
2 produce, based on our acreage component of our allowable,
3 an increase from 224 MCF per day to 350 MCF a day. And for
4 the case of a-million-a-day deliverability, the well would
5 be able -- the unit would be able to produce an increase
6 from 282 MCF per day to 445 MCF per day for the
7 deliverability component, resulting in an overall increase
8 in allowable from 506 MCF per day to 799 MCF per day for
9 the proration unit.

10 Q. In your opinion, would that be a sufficient
11 allowable incentive to allow you to do this additional
12 work?

13 A. Yes, it would, and we chose this allowable, for
14 one reason, because it is roughly equivalent to the
15 allowable that the wells enjoyed in the period from
16 October, 1992, through March of 1993.

17 Q. Let's go to Exhibit 2, so you can illustrate that
18 point.

19 A. Okay.

20 Q. Before we talk about that, look at Exhibit 2 and
21 show us how to read the information.

22 A. Okay. Exhibit 2 is a graph showing the GPU
23 deliverability versus the GPU calculated allowable over
24 time.

25 The horizontal axis is GPUs deliverability, from

1 500 MCF per day to a million a day. And the vertical axis
2 is the calculated allowable for -- from 300 MCF per day to
3 1000 MCF per day.

4 The legend shows that -- The red line indicates
5 what the calculated allowables were for the period 10-92
6 through 3-93.

7 In the next proration period, the summer of 1993,
8 the white line shows a reduction in allowable and then, in
9 the winter of 1993-94, shows an additional reduction in
10 allowable.

11 And the green line at the bottom shows the
12 proposed allowable schedule for the Basin Dakota.

13 And if we look over here for a proration unit
14 capable of producing a million cubic feet per day, back in
15 the winter of 199- -- or in the period from 10-92 to 3-93,
16 this proration unit would have been allowed to produce 800
17 MCF per day, whereas based on the proposed summer -- this
18 summer allowables, that same proration unit would only be
19 able to produce 500 MCF per day.

20 This drastically impacts our ability to continue
21 to develop the Basin Dakota, and I'd like to present an
22 example, a typical example, of eight of the nine wells that
23 we drilled last year, if I may.

24 On these wells that we've drilled, eight of the
25 nine were infill drilled wells, and what I'll give is an

1 example of those eight wells. There were -- infill drilled
2 wells or an existing well produced roughly 100 MCF per day.

3 Well, if we come in and we drill our infill well
4 and it produces -- has a deliverability of 900 MCF per day,
5 then that proration unit's allowable is -- or proration
6 unit's deliverability is a million a day. And based on the
7 current proposed allowables, that proration unit would only
8 be allowed to produce 500 or so MCF per day.

9 Well, since the original well already produced
10 100 MCF per day, then we are only allowed 400 per day to
11 pay off our investment for our infill well. And that's
12 where the problem comes in, is that's too small of a rate
13 for us to economically justify continued development in the
14 Basin Dakota.

15 Q. Do you know whether or not Phillips still has a
16 demand for the gas to be produced if this adjustment is
17 made?

18 A. Yes, we do.

19 Q. You can sell the gas that would be generated from
20 this activity if the allowables increase?

21 A. Yes.

22 Q. Have you discussed your proposal with the other
23 two major operators in the pool, Meridian and Amoco?

24 A. We've contacted Amoco, and they understand our
25 predicament, and they have no objection to our proposed

1 allowable adjustment. We have not --

2 Q. Mr. Fraser just testified that he had no
3 objection?

4 A. (Nods)

5 Q. All right, sir.

6 Do you have an explanation as to why the system
7 appears to be ratcheting itself down in terms of the
8 allowable level left for the nonmarginal wells in the Basin
9 Dakota?

10 A. No, no, I really don't have an explanation for
11 why --

12 Q. All you can see is the end result of the
13 calculation, is there not enough allowable margin left to
14 do the incentive for the work?

15 A. There was a very large adjustment in the number
16 of nonmarginal proration units back -- let's see -- I think
17 two proration units ago, where we had -- we had -- Okay,
18 here it is.

19 In -- For the period 4-93 through 9-93, the
20 number of nonmarginal acreage factors was 259. However, in
21 the subsequent period from 10-93 to 3- -- let's see --10-93
22 through 3-94, that was reduced from 259 down to 13
23 nonmarginal proration units, and I'm not sure what the
24 reason for that was, but it has an impact on the calculated
25 allowables.

1 MR. KELLAHIN: That concludes my examination of
2 Mr. McGovern. We move the introduction of his Exhibits 1
3 and 2.

4 CHAIRMAN LEMAY: Without objection, Exhibits 1
5 and 2 will be admitted into the record.

6 Questions of Mr. McGovern?

7 MR. STOVALL: Yes.

8 CHAIRMAN LEMAY: Mr. Stovall?

9 EXAMINATION

10 BY MR. STOVALL:

11 Q. Mr. McGovern, I think you've hit on a point that
12 the Division is concerned about and aware of. Why has the
13 allowable ratcheted down? With the higher allowables,
14 there are in fact more marginal units, would that be
15 correct, with -- If the higher allowable, more units are
16 going to go marginal?

17 A. Right, and that's what --

18 Q. And more of the pool sales is going to come from
19 marginal units?

20 A. That's right.

21 Q. And therefore, there's going to be less
22 nonmarginal allowable to divide amongst fewer wells, but
23 it's not a proportion that keeps the level high enough per
24 well; is that -- Would that be a fair assessment?

25 A. Right.

1 Q. Let me ask you this question, and I sense -- and
2 this is the kind of question I asked Mr. Morrow -- it
3 sounds to me like what Phillips has done and, I suspect
4 other operators, is, if you've gone in and done some work,
5 and what has happened is that those units in which you've
6 done some work and increased the deliverability have not
7 been brought into the schedules yet, since we're looking at
8 like periods a year ago, and therefore that production
9 really isn't getting cranked into the pool allowable, and
10 therefore you're not really getting credit for wells that
11 are there. Does that sound like a fair assessment?

12 A. That's true, and the fact that in this particular
13 Basin Dakota Pool, it's such a small percentage, then even
14 if we do produce 12 times the allowable or shut in, it
15 still is going to have a small impact on the 99 percent of
16 the wells that are marginal.

17 Q. In other words, when the allowables are cranked
18 up, it's an incentive and a disincentive at the same time:
19 It makes more wells marginal, and then because of a lag
20 involved it doesn't allow the units in which you've done
21 the work which you've done because of the incentive of
22 higher allowables, to get the benefit of those higher
23 allowables?

24 A. That's right.

25 MR. STOVALL: Okay, I have no further questions.

1 CHAIRMAN LEMAY: Mr. Stovall.

2 Additional questions?

3 Commissioner Carlson?

4 COMMISSIONER CARLSON: No.

5 CHAIRMAN LEMAY: Commissioner Weiss?

6 EXAMINATION

7 BY COMMISSIONER WEISS:

8 Q. Yes, on your infill wells, the process involves
9 notification of offset operators to get a drilling permit?

10 A. I believe it does, but I can't testify to --

11 Q. So if there were no proration in this pool, these
12 people would have an opportunity at that time to object to
13 whatever?

14 MR. STOVALL: Commissioner Weiss, let me -- let's
15 stop and make sure you understand the -- that we're
16 answering the same question.

17 If they go drill an infill well on a Basin Dakota
18 unit that's in a standard location, they don't have to
19 notify offset operators of it, and offset operators do not
20 have an opportunity --

21 COMMISSIONER WEISS: Oh, so there is a danger of
22 correlative rights then?

23 MR. STOVALL: There is an issue, and that was the
24 issue I raised before on the proration on infill drilling.
25 It does have some effect, because they can do it just by

1 getting an APD from --

2 COMMISSIONER WEISS: Okay, I thought there was a
3 mechanism where offset operators were notified and had an
4 opportunity to --

5 MR. STOVALL: Not in this particular pool, the
6 rules provide for it.

7 COMMISSIONER WEISS: Okay. I have no other
8 questions. Thank you.

9 EXAMINATION

10 BY CHAIRMAN LEMAY:

11 Q. Just a couple, Mr. McGovern. I'm assuming that
12 if you drilled last year nine wells, eight of them were
13 infill wells, eight of them were capable of producing, you
14 say, close to a million a day or in that range?

15 A. Actually, the two -- We've only got two wells
16 that we have got some production information from. One
17 will make about 700 M a day, and the other one will
18 actually make about 350 M a day. So the situation becomes
19 even more important on these lower-rate wells.

20 If we were able to -- You know, if we were able
21 to drill 2-million-a-day wells, we wouldn't need to have
22 the allowables adjusted. But if these infill wells and in
23 the areas that we're developing, we're looking at 700-to-a-
24 million-a-day wells, and it becomes viable for us to get as
25 much allowable as possible.

1 Q. In those cases, what was -- The well that was
2 originally there, was it a relatively low-deliverability
3 well, 100 MCF a day or something of that nature? You
4 mentioned --

5 A. Yes.

6 Q. -- you had one example. That was it?

7 A. Right.

8 Q. Would that be indicative of a relatively tight
9 reservoir and very difficult to keep right in the full
10 proration unit; that's the reason why you're drilling the
11 second one?

12 A. Right, and that's --

13 Q. Would that also tend to protect correlative
14 rights, I guess, of offset operators? Because you do have
15 a tight reservoir, and it would be difficult to drain your
16 neighbor's gas if you have a tight reservoir?

17 A. That's correct.

18 Q. One more question, a clarification. Is it -- You
19 presented in your Exhibit 2 a ratcheting down of the
20 allowables, but generally the Commission has a policy of
21 basing allowables on what's been produced in previous
22 proration periods.

23 So is it your testimony that you would like the
24 increased allowable not so much because your wells have
25 produced it and need it, but because you need it as an

1 incentive for additional wells or as a -- I guess you have
2 these wells that are going to come out of production, and
3 they will, in turn, eventually get the production graphed
4 up there so we can assign the allowables. You're speeding
5 up that process, are you?

6 A. That's right. It's a -- That's correct, and this
7 impacts wells that we drilled last -- basically drilled
8 last year, so they are going to be subject to the
9 allowables through this summer. And in these drilling
10 projects payout comes in the early times, and we need to
11 make sure that we can produce as much as possible through
12 the first few years.

13 Q. But ultimately the system would probably account
14 for that production, you get higher allowables, but you
15 would just be playing catch-up on the allowables, you would
16 have some curtailed production in the meantime, I take it.
17 That would be the --

18 A. Right, that's right.

19 Q. -- the reason for the request?

20 A. Right, that should work that way.

21 CHAIRMAN LEMAY: Have you got another question,
22 Commissioner Weiss?

23 FURTHER EXAMINATION

24 BY COMMISSIONER WEISS:

25 Q. Yeah, I have one basic one. I'm not sure, since

1 you're new to this business...

2 Has anybody talked about deprorating this pool?

3 A. Within Phillips?

4 Q. Yes, within Phillips, and other operators in the
5 pool. Has there been any discussion?

6 A. Yes.

7 MR. KELLAHIN: Prior to Mr. McGovern's
8 involvement, Commissioner Weiss, we've discussed this *ad*
9 *infinitum*. The difficulty is the notice obligations to the
10 thousands and thousands of interest owners, both royalty,
11 override and working, that share in Dakota production.

12 It would overwhelm the resources of any of the
13 operators to comply with the notice obligations to
14 deprorate the pool, and so that has not been an option that
15 we thought we could execute.

16 COMMISSIONER WEISS: So the operators in the
17 northwest in these large pools are in favor of continued
18 proration?

19 MR. KELLAHIN: Well, I think what we'll have seen
20 is the assignment of additional allowable has let the
21 system fluctuate, and the system itself has enough
22 flexibility in it that as you add adjustments the
23 allowables to go up, and these wells can produce, then, to
24 meet market demand.

25 And so you can adjust the system that exists, get

1 to the same point as you would if you simply deporated.

2 Q. (By Commissioner Weiss) Do you have any other --

3 A. No.

4 COMMISSIONER WEISS: Thank you.

5 CHAIRMAN LEMAY: Any other questions?

6 If not, the witness may be excused. Thank you
7 very much, Mr. McGovern.

8 Let's take a 15-minute break, and we'll come
9 back.

10 (Thereupon, a recess was taken at 10:28 a.m.)

11 (The following proceedings had at 10:50 a.m.)

12 CHAIRMAN LEMAY: We can resume. Mr. Carr?

13 MR. CARR: May it please the Commission, before
14 we leave the San Juan Basin, I'd like to make a brief
15 statement on behalf of Amoco.

16 As Mr. McGovern indicated in his testimony, Amoco
17 does not oppose an adjustment in the allowable for the
18 Basin Dakota Pool. Amoco did elect, however, not to
19 present testimony here today because after reviewing -- You
20 may all be lucky, I may lose my voice. After reviewing the
21 preliminary numbers, Amoco concluded that by and large they
22 were reasonable numbers upon which the prorationing system
23 in the San Juan Basin could be based for the next proration
24 period. That's why they did not present testimony here
25 today.

1 And if you're ready to go to southeastern New
2 Mexico, initially I would like to call a Chevron witness.

3 CHAIRMAN LEMAY: Let me just make -- Before we go
4 to southeast New Mexico, is there anyone else that has any
5 statements to give or comments to make on allowables in
6 northwest New Mexico?

7 Okay, fine, Mr. Carr, let's go on to southeast
8 New Mexico.

9 MR. CARR: At this time I'd like to call Robert
10 E. Green to provide some general testimony on the gas
11 market.

12 ROBERT E. GREEN,
13 the witness herein, after having been first duly sworn upon
14 his oath, was examined and testified as follows:

15 DIRECT EXAMINATION

16 BY MR. CARR:

17 Q. Would you state your name for the record, please?

18 A. Robert E. Green.

19 Q. Where do you reside?

20 A. I reside in Midland, Texas, and work for Chevron
21 USA Production Company.

22 Q. And what is your current job with Chevron USA?

23 A. I'm a natural gas coordinator for southeast New
24 Mexico.

25 Q. What are your duties as natural gas coordinator?

1 A. As a natural gas coordinator, I supervise a group
2 of people that forecast our available gas for sale,
3 nomination and confirmation and the delivery of that gas
4 into the first transport. Additionally, I coordinate or
5 negotiate the sale of natural gas, both the short-term spot
6 market and longer-term gathering and processing agreements.

7 Q. And how long have you held this position?

8 A. I've been in this particular position for two
9 years.

10 Q. And before that, how long were you employed in
11 the oil and gas industry?

12 A. I've been in the natural gas part of the company
13 since 1981.

14 Q. Now, Mr. Green, you've previously testified at
15 allowable hearings and had your expertise in the area of
16 gas marketing accepted and made a matter of record by this
17 Commission, have you not?

18 A. Yes, that's correct.

19 Q. And you are also a registered professional
20 engineer?

21 A. Yes, that's correct.

22 Q. Have you prepared certain exhibits for
23 presentation here today?

24 A. Yes, I have.

25 MR. CARR: Are the witness's qualifications

1 acceptable?

2 CHAIRMAN LEMAY: They're acceptable, yes.

3 Q. (By Mr. Carr) Initially, Mr. Green, I think it
4 would be helpful if you could provide just a general
5 overview of how Chevron sees the market for New Mexico
6 natural gas from southeastern New Mexico.

7 A. As I had said in February of 1993 before this
8 Commission, Chevron is bullish on natural gas; Chevron is
9 still bullish on natural gas today.

10 The natural gas market in the United States
11 remains strong, and it's a vital part of the petroleum
12 industry. Chevron has maintained its multiple market
13 accessibility for New Mexico gas supplies and continues to
14 move New Mexico gas to markets in the Midwest, Gulf Coast
15 and east of the Mississippi River, as well as some gas
16 still to California markets.

17 Q. Let's go to what has been marked as Chevron
18 Exhibit Number 1. Would you identify this and review it
19 for the Commission, please?

20 A. Chevron Exhibit 1 is an exhibit, a caricature of
21 the different natural gas pipelines that Chevron uses to
22 transport gas from New Mexico to our consumer markets.

23 A few years ago, most of the producers, and
24 Chevron included, were contracted to a single particular
25 pipeline. That producer's gas flowed into that pipeline in

1 accordance with that particular pipeline's market demand.

2 Consequently, there was always seasonal swing
3 from winter to spring, summer and fall. Some clients had
4 peak loads in the summer and some had peak loads in the
5 winter.

6 Under today's operations with Chevron, we're no
7 longer locked into a particular pipeline or a particular
8 market area. Chevron has worked very hard to develop
9 transportation agility, moving gas down different pipelines
10 to reach the best market for our gas. Therefore, through a
11 series of front-haul, back-haul, cross-haul and
12 interconnect agreements, we can move our gas from New
13 Mexico to almost any market in the continental United
14 States.

15 This transportation agility, along with our
16 current conditions under the FERC deregulation, has
17 virtually eliminated seasonal swings for our New Mexico gas
18 supplies.

19 Q. Let's go now to Exhibit Number 2. What is this?

20 A. Exhibit 2 is a three-year plot of the spot market
21 price on the El Paso Natural Gas Pipeline. As you can see,
22 it illustrates the volatile of pricing that we see from
23 month to month.

24 I would, however, like to point out that over the
25 last three years we have seen a steady 12-1/2-percent-per-

1 year growth in that natural gas price, as illustrated by
2 the straight line across from February of 1991 to February
3 of 1994. While this is only one pipeline, it does
4 represent the general market trend throughout the natural
5 gas market.

6 Q. And this is indicative of the market -- natural
7 gas from the Permian Basin?

8 A. Yes, it is. The growth that we've seen in prices
9 and the volatility in prices is indicative of all of our
10 gas in the Permian Basin and in southeast New Mexico.

11 Our experience, however, has been that our
12 Midwest, our Gulf Coast and our eastern markets are
13 stronger and more reliable at this time than our California
14 markets are.

15 Q. Mr. Green, what conclusions has Chevron been able
16 to reach about the future of the gas market for gas
17 produced in southeastern New Mexico?

18 A. Well, Chevron, along with some of our other
19 resources that we look at and the energy administration,
20 predicts that the United States' natural gas market will
21 grow this year by some 3.7 percent in all four sectors of
22 the industrial, residential, utility and commercial
23 customers.

24 And Chevron's market forecast for New Mexico gas
25 production sees the need to continue our production

1 allowables at the current winter rates.

2 With this market strength, we want New Mexico
3 natural gas reserves to participate in the opportunity and
4 not be displaced by other gas.

5 Chevron requests that the Commission consider our
6 market for gas in lieu of the now defunct pipeline market
7 forecast when setting allowables and not restrict New
8 Mexico production from the market.

9 Q. Mr. Green, these conclusions would be applicable
10 to the Eumont Gas Pool?

11 A. Yes, they are applicable to the Eumont Gas Pool,
12 as well as all of our gas production from southeast New
13 Mexico.

14 Q. And were Exhibits 1 and 2 prepared by you?

15 A. Yes, they were.

16 MR. CARR: At this time, may it please the
17 Commission, we move the admission into evidence of Chevron
18 Exhibits 1 and 2.

19 CHAIRMAN LEMAY: Without objection, Exhibits 1
20 and 2 will be admitted into the record.

21 MR. CARR: That concludes my examination of Mr.
22 Green.

23 CHAIRMAN LEMAY: Thank you, Mr. Carr. Questions
24 of Mr. Green? Gary?

25 COMMISSIONER CARLSON: No.

1 CHAIRMAN LEMAY: Bill?

2 COMMISSIONER WEISS: I have no questions, thank
3 you.

4 CHAIRMAN LEMAY: I might have one, just a quick
5 one here.

6 EXAMINATION

7 BY CHAIRMAN LEMAY:

8 Q. When you mentioned that you do have markets for
9 your gas and so forth, you had some terms there. I
10 understand what a forward haul is and a back-haul. I'm not
11 sure I know what a cross-haul is. Can you tell me what a
12 cross-haul is?

13 A. Well, we have some cross-haul agreements with
14 pipelines that -- We're moving across that pipeline from
15 one -- from -- I don't know how I want to discuss this
16 part.

17 Q. You can speak generically. I've just never heard
18 the term "cross-haul".

19 A. "Cross-haul" means you're moving across the
20 pipeline and -- You're just using it as an interconnect
21 between two other pipelines.

22 Q. That's like making a little hub out of it there?
23 You wheel the gas around the pipeline to other pipeline
24 that --

25 A. No, it's not a hub but it's more -- you're moving

1 -- You may be moving up one pipeline, and you move across
2 another pipeline and then into a third pipeline.

3 Q. I see. I think I understand that.

4 A. For an example, I guess, if you were moving up
5 Northern Natural Gas into their core area, and you needed
6 to get that gas across the Mississippi, you would cross-
7 haul on a different pipeline that was connected to Northern
8 and then connected to the other pipeline that you had
9 interest in, to take the gas to, say, Washington DC, for
10 example.

11 Q. I see, which is mainly by displacement like a
12 back-haul would be? The gas doesn't physically move that
13 way, but it's credited?

14 A. Yeah, in some cases we're actually physically
15 moving the gas. It can be by displacement, credit or by
16 physical motion.

17 CHAIRMAN LEMAY: Well, thank you for educating
18 this Commissioner.

19 THE WITNESS: All right sir.

20 CHAIRMAN LEMAY: Are there any other questions?
21 If not, you may be excused. Thank you, Mr. Green.

22 THE WITNESS: Thank you.

23 CHAIRMAN LEMAY: We're ready to go into
24 southeast, are we? Mr. Kellahin, I think Mr. Carr is
25 waiting on you. I think maybe --

1 MR. KELLAHIN: Well, I'm not sure --

2 CHAIRMAN LEMAY: -- he wants you to take the
3 lead. I don't --

4 MR. KELLAHIN: He must see a pothole ahead
5 somewhere.

6 CHAIRMAN LEMAY: I don't see it either. But he's
7 comfortable so...

8 MR. KELLAHIN: We have presentations on the
9 Eumont Pool, Indian Basin, and that's all that I have.

10 MR. CARR: That's all that I have also, and it
11 seems to me that the testimony on the Eumont will certainly
12 be the longest testimony. Jim has --

13 CHAIRMAN LEMAY: Jim, you have what?

14 MR. BRUCE: I have a brief testimony on the Tubb,
15 which --

16 CHAIRMAN LEMAY: The Tubb?

17 MR. BRUCE: -- can wait until the end.

18 CHAIRMAN LEMAY: Okay.

19 MR. CARR: I believe the Eumont Pool is by far
20 the most lengthy presentation. It might be appropriate to
21 go with that first.

22 CHAIRMAN LEMAY: Okay, let's get the Eumont out
23 of the way, then. We'll start with Eumont.

24 MR. KELLAHIN: Mr. Chairman, we'd like to put the
25 Conoco presentation on first in the Eumont.

1 CHAIRMAN LEMAY: Okay.

2 MR. KELLAHIN: I'll call my first witness.

3 DAMIAN BARRETT,

4 the witness herein, after having been first duly sworn upon
5 his oath, was examined and testified as follows:

6 DIRECT EXAMINATION

7 BY MR. KELLAHIN:

8 Q. Would you please state your name and occupation?

9 A. I'm Damian Barrett, and I work for Conoco. I'm a
10 reservoir engineer for them in the Midland office.

11 Q. Mr. Barrett, on prior occasions have you
12 testified as a petroleum engineer before the Division?

13 A. Yes, have.

14 Q. What is your particular function with regards to
15 this Application before the Commission?

16 A. Like I said, I'm a reservoir engineer. I'm
17 working southeast New Mexico where we have a significant
18 interest in the Eumont Pool, and we are working on projects
19 in that area.

20 Q. Have you made a study of the allowable system
21 insofar as it affects the allowables assigned to the Eumont
22 Gas Pool?

23 A. Yes, I have.

24 Q. And based upon that study, do you have
25 recommendations to the Commission concerning how to adjust

1 the preliminary schedule in that pool?

2 A. Yes, I do.

3 MR. KELLAHIN: We tender Mr. Barrett as an expert
4 witness.

5 CHAIRMAN LEMAY: His qualifications are
6 acceptable.

7 Q. (By Mr. Kellahin) Mr. Barrett, let's tell the
8 Commission where you're going, and then we'll try to get
9 there.

10 A. Okay.

11 Q. But what is your ultimate conclusion and
12 recommendation?

13 A. The ultimate conclusion is that we have
14 significant work projected for 1994 and even beyond that we
15 are proposing to do, and with that should add significant
16 reserves, along with that, and in order to do that work we
17 need the extra economic incentive to increase the
18 allowable.

19 Q. It helps me understand the adjustments if I can
20 deal in MCFs of gas a day for a nonmarginal GPU. What's
21 the number you want to get to?

22 A. 952 MCF per day.

23 Q. What is the current nonmarginal GPU in your pool
24 for the allowable period we're in now, this winter period?
25 What do you get?

1 A. 952.

2 Q. And what did you get last summer?

3 A. The same.

4 Q. Okay. And you propose the same number again --

5 A. Correct.

6 Q. -- for the summer of 1994?

7 A. Correct.

8 Q. All right. In order to get to that point, do you
9 have a schedule that shows where to put all the right
10 numbers so that the calculation comes out right?

11 A. Yes, I do.

12 Q. All right. Let's turn to Exhibit 1, then, have
13 you show us how you've organized your spreadsheet, and then
14 get down to the bottom row, which is your proposal.

15 A. Okay. This is the market demand and allowable
16 determination schedule, as it was given to us. This is --
17 What we've done is put in the previous five periods that
18 you see in there, with the numbers that the Commission has
19 given to us. We have the preliminary schedule that the OCD
20 has for 4-94 to 9-94, and then we have the Conoco-proposed
21 schedule.

22 Q. To get to the 952 MCF of gas per day for the
23 daily F1 factor, if you will, what is the pool adjustment
24 that you're requesting?

25 A. The pool adjustment is 246,214 MCF per month.

1 Q. Now, that calculation will work provided the
2 nonmarginal acreage factors, the 22.6, does not materially
3 change?

4 A. That's correct.

5 Q. Do you forecast any material change in the
6 nonmarginal GPU acreage factors?

7 A. Not at this time.

8 Q. All right, sir. Let's go now to Exhibit 2. Your
9 display is in two parts. Let's look at the top half of
10 Exhibit 2 first. What are you showing?

11 A. Can I just make one statement --

12 Q. Yes, sir.

13 A. -- that in the previous table on Exhibit 1, I've
14 got highlighted and bolded two columns there, one in the
15 middle and one at the end. Those numbers are the MCF per
16 day rates that I will be discussing in the top portion of
17 the graph on Exhibit Number 2.

18 Q. All right. Those two bold columns are additions
19 to the spreadsheet that the Division use when they prepare
20 their preliminary schedule?

21 A. That is correct.

22 Q. And one is taking it and reducing the pool
23 monthly allowable to a day MCF number?

24 A. That's correct.

25 Q. And the other one is the F1 daily factor?

1 A. Correct.

2 Q. All right.

3 A. All right, in Exhibit 2 what we're -- The top
4 portion of this, we're looking at the MCF-per-day rate on
5 the vertical axis and time on the horizontal axis. In red
6 we're seeing the pool production as it has occurred since
7 1992, up to November of 1993. Those are the numbers that
8 we have.

9 And then you'll see there are two circles there
10 in red that are the pool forecast with Conoco additions
11 only, for production.

12 The blue line is the F1 factor and an MCF-per-day
13 rate, and with its daily F1 factor below it, the daily rate
14 below it, and those are the numbers that have taken place
15 for the several past periods, like I mentioned on the
16 previous table.

17 Q. All right. Let's take the blue line which is the
18 allowable --

19 A. Uh-huh.

20 Q. -- and track it or make a comparison with pool
21 production.

22 A. Okay.

23 Q. What do you see?

24 A. With that, each period, the Eumont Pool has been
25 overproduced, as shown by the red production curve. We

1 have overproduced the blue allowable line.

2 Q. Historically, then, have the operators in the
3 pool been utilizing the allowable assigned to that pool?

4 A. Yes, they have.

5 Q. Let's look at the point in time where on the
6 right margin of the red hashed area, we're at the present,
7 forecast for us what you see will be the pool's use of the
8 allowable.

9 A. Okay. Like I mentioned, that is the full -- the
10 pool production as it was left off in November of 1993.
11 We're forecasting the additional work that Conoco has done,
12 and those are the additions, the adjustment that we have
13 asked for, for the continual pool production.

14 Q. So on a poolwide basis, we can see that the
15 operators are utilizing the allowable?

16 A. Correct.

17 Q. Let's look at the bottom half of Exhibit 2 and
18 have you explain to us what we're seeing there.

19 A. Okay, this is again another production plot of
20 Conoco's production only in the Eumont Pool. The green
21 line is showing that production.

22 In -- Late in 1993, we started doing some work,
23 as is shown there, 16 workovers, four new wells, and the
24 associated increase in production in green there, with that
25 work.

1 What we're showing in 1994 is 14 workovers and
2 six new wells in 1994, and the green dots are showing that
3 increased production due to that work.

4 Q. Let's start lower down on the graph with the 1993
5 work.

6 A. Uh-huh.

7 Q. You have 16 workovers and four new drills?

8 A. Uh-huh.

9 Q. What was the reason for doing that work?

10 A. The reason for doing that work was because the
11 base allowable was at 600 MCF a day, which was the initial
12 incentive to be able to do some of this work. We also are
13 under the 952-MCF-a-day daily allowable to go ahead and do
14 incrementally a little bit more work.

15 Q. The difference -- The 352 a day, was that
16 sufficient allowable margin to allow you to do the 1993
17 work?

18 A. Yes, it was.

19 Q. The economics of doing that work were forecasted
20 on the hope that at least the 952 would continue for
21 subsequent proration periods?

22 A. That's correct.

23 Q. When you look at the forecast for the 1994 work,
24 work yet to be done, when we look at maintaining at last an
25 allowable level of 952, is all 14 workovers and four new

1 drills economic at that allowable level?

2 A. Six new drills. And yes, that's correct.

3 Q. What happens to that work forecast if the
4 allowable is set at the minimum allowable of 600 MCF a day?

5 A. If it's set at a minimum of 600, four of the new
6 drills will drop out and a minimum of two workovers will
7 not be done.

8 And along with that, just on new work, we will
9 also have to curtail our production. And that's what the
10 second line down there is showing: We'll continue to do
11 some work, but we'll also have some curtailment of the
12 production we have currently.

13 Q. Your circumstance is similar to the workover
14 program that Phillips has got in the Basin Dakota, isn't
15 it?

16 A. That's correct.

17 Q. You're in the same kind of predicament, are you
18 not?

19 A. That's correct.

20 Q. Let's go to Exhibit 3. Identify for us what
21 we're seeing on Exhibit 3.

22 A. Exhibit 3 is a -- This is the production that we
23 have currently on line. It was based on the 952 MCF a day.
24 This is where we did some of this work.

25 These wells are currently producing at a 952-MCF-

1 a-day allowable or greater. And what it's showing is that
2 if we do have a reduction in the proposed allowable, that
3 we will have to curtail production.

4 Q. All right. Just to keep it straight, Eumont Gas
5 Pool is 640 gas spacing, but you get one acreage factor per
6 160?

7 A. That's correct.

8 Q. And so that's the fraction here? You're dealing
9 with multiples or portions of 160s to get an acreage factor
10 of one?

11 A. That's correct.

12 Q. Let's turn now to Exhibit 4. In the first column
13 on the left, what does each row identify?

14 A. These -- The first column are the different
15 drilling wells that we have proposed for 1994. Those are
16 the drilling wells that we have proposed.

17 Q. Have you analyzed these individually to verify
18 for the Commission your statement a while ago that four of
19 those six are at risk if the allowable adjustment is not
20 made?

21 A. That's correct.

22 Q. All right. Let's have you help us understand how
23 to read the display.

24 A. Okay.

25 Q. Second column on the right is the first line of

1 numbers. What are those rates?

2 A. Those rates are what we have determined that the
3 particular locations that we have chosen are capable --
4 those wells are capable of producing those rates.

5 Q. All right. The third column is a calculation
6 based upon the available allowable, if the Commission
7 adjusts it to the 952-a-day number, right?

8 A. That's correct.

9 Q. Under each of those examples, then, is the well
10 economic to drill?

11 A. Yes, it is, every one of them.

12 Q. The fourth column over is an economic projection
13 based upon the allowable available to you, if it's left at
14 600 a day?

15 A. That's correct.

16 Q. So within a given GPU for the first row, the
17 Number 14 well, you have enough allowable margin left
18 that's not currently being assigned to wells of 644 MCF a
19 day?

20 A. That's correct.

21 Q. Is that enough incentive to drill that well?

22 A. Yes, that is.

23 Q. Go down the rows and show us what happens.

24 A. Okay. With that, the second well, the State J 2
25 Number 15, will no longer have any remaining allowable to

1 be produced at. Therefore, we cannot drill that well.

2 Q. You'd do the work and couldn't produce it?

3 A. That's correct.

4 Q. All right.

5 A. So therefore we wouldn't do the work. The Meyer
6 B 4 Number 30, with only 200 MCF a day remaining allowable,
7 at the 600-MCF-a-day-allowable rate, we could not
8 economically drill that well either.

9 Q. Your margin for an allowable assigned to the
10 Number 30 well is only 200?

11 A. That's correct.

12 Q. Okay, go ahead.

13 A. Okay, with the Monterey 1 Number 21 we have 386
14 MCF, and that is an economic rate to go ahead and drill
15 that well.

16 And then the other two wells, again, are below an
17 economic rate that we could drill those wells.

18 Q. Okay. So the Commission can visualize what the
19 operators are doing in the Eumont Pool, have you provided
20 an illustration in the next series of displays to let us
21 see how an operator or several operators within a section
22 would handle the allowable?

23 A. Yes, we have.

24 Q. Let's turn and look at Section 20 within the pool
25 and look at Exhibit 5. This is simply a locator map?

1 A. Yes.

2 Q. What are we seeing?

3 A. We're just seeing a full section of 640 acres
4 that Conoco has 320 acres and Citation Oil has 320 acres,
5 with the wells located on this map, the dates that they
6 were brought on line, and either a cumulative production
7 below the line or a current rate.

8 Q. Okay. The section gets developed with initial
9 wells in the section. Let's turn to Exhibit 6 and pick up
10 a point in time, say in -- early in 1991. Within Section
11 20, how many producing wells do you have within this GPU?

12 A. We have two wells.

13 Q. The Number 5 and the Number 6?

14 A. Uh-huh.

15 Q. Okay, what happens?

16 A. Those wells are producing below the unit
17 allowable at that time.

18 Q. The unit allowable is the blue line?

19 A. Correct.

20 Q. Okay. There's a differential between the
21 allowable and the 5 and 6 capacity to produce gas?

22 A. That's correct.

23 Q. So you have under-utilized allowable?

24 A. That's correct.

25 Q. What did you do?

1 A. With that, we decided that we could go ahead and
2 recomplete the Number 7 in 1993, which we did, and again
3 that was during the time period that the allowable was
4 increased, and we were able to maintain that increased
5 allowable. And that further led to more recompletion work
6 early in 1994 under the 952-MCF-a-day allowable.

7 Q. Okay, this GPU now has got -- four? Did I count
8 right?

9 A. Correct.

10 Q. We've got four wells in the section. Let's go to
11 the dashed part of the blue line. If the Commission
12 reduces the GPU allowable on the F1 factor to 600 a day,
13 what's going to happen?

14 A. We'll have to curtail production on this GPU.

15 Q. If we continue to maintain the F1 factor at 952,
16 what happens?

17 A. We will be able to maintain that production.

18 Q. All right, let's turn to Number 7. Have you
19 prepared an economic analysis, Mr. Barrett, to show the
20 consequence of a change in allowable based upon
21 recompletion work of an example in the field?

22 A. Yes, we have.

23 Q. Show us what we're seeing.

24 A. This is the same lease, the State C 20. We're
25 looking at the Number 2 well. The current lease production

1 as of 12-93 is 1675 MCF per day.

2 To do the work on the C 20 Number 2, it would
3 cost us \$230,000. Under the current allowable of 952 MCF
4 per day, our economic incentive there was 229 MCF a day,
5 which would pay out in roughly 1.57 years.

6 The proposed allowable of 600 MCF a day would not
7 give us any economic incentive at all to do this work. We
8 would not have done this work.

9 Q. As an engineer, have you made a study to
10 determine whether or not you're adding additional ultimate
11 recovery of gas from the section, as opposed to simply
12 accelerating the rate of recovery of the same volume of
13 gas?

14 A. Yes, I have.

15 Q. And what was the conclusion?

16 A. The conclusion is that we are not accelerating
17 recovery; we are indeed adding additional reserves.

18 Q. Okay. Do you have a display that illustrates
19 that?

20 A. Yes, I do.

21 Q. Exhibit 8, what are we seeing?

22 A. Again, we're seeing the same location map that we
23 saw previously, with the same information on it, basically.

24 Q. Okay. Exhibit 9?

25 A. Right here we have a rate-versus-cum production

1 plot of the daily rate on the vertical axis, cum production
2 on the horizontal axis, with our production from the
3 different wells at their different time periods.

4 Q. All right. Dealing with an entire section in
5 1975, there is the Number 6 well?

6 A. Correct.

7 Q. And you have forecasted an ultimate recovery from
8 the section, and what do you get? When you read the
9 horizontal axis at the bottom, what was the forecast?

10 A. Well, whenever we originally had Wells 1 and 5 on
11 for just a 320-acre spacing, the ultimate recovery was 21.6
12 BCF.

13 Q. All right. That predates the Number 6 then?

14 A. Correct. And then when we brought on the Number
15 6 well, it brought this down to a 213-acre spacing, and our
16 projected ultimate recovery was 31 BCF, which was 9 BCF
17 over what we had with just the two wells.

18 Q. Continue reading the display, then. As you
19 continue to add wells, what has happened to your
20 projections of ultimate gas recovery from the section?

21 A. Each time that we have added wells to this
22 particular section, the recovery has increased. We went
23 from a 213-acre spacing down to a 107-acre spacing with a
24 total of six wells, incrementally three more wells from the
25 previous curve, and are going to recover another 4 BCF of

1 gas for that.

2 Q. Is the 952 so high that it's going to result in
3 the drilling of unnecessary wells?

4 A. No, it's not.

5 Q. This continues, then, to be an incentive for you
6 to improve ultimate recovery from the sections?

7 A. That's correct.

8 Q. Does that appear to be true for other sections,
9 apart from Section 20?

10 A. It sure is.

11 Q. And you have subsequent displays that show that?

12 A. I do.

13 Q. Without describing them in detail, identify for
14 the record the other sections that you've looked at.

15 A. Okay. The other one is Section 34, Township 21
16 South, Range 36 East. That is on Exhibit Number 10.

17 And then with the preceding production graph on
18 that, Section 12 -- I'm sorry, Exhibit Number 12, which
19 shows Section 35 in Township 21 South, Range 36 East, is
20 another example with this production graph following that
21 as well, all showing basically the same thing.

22 Q. Does Conoco have a market for this gas that's
23 being generated by the additional allowable?

24 A. Yes, we do. Currently we are even going out for
25 competitive bidding to get the highest price for our gas.

1 Q. Have you discussed this proposed allowable level
2 with the other operators in the pool?

3 A. Yes, we have.

4 Q. With what result?

5 A. Everybody is in agreement.

6 Q. To request a continuation of the 952?

7 A. That's correct.

8 Q. Summarize for us your conclusions.

9 A. My conclusions are that if we are not allowed to
10 increase this 952 MCF-a-day allowable, that we will have to
11 severely cut back on our proposed work, as well as curtail
12 production on leases that we've already done some work.

13 So with that, we would like to see the allowable
14 increased to 952 MCF per day to allow continued production
15 and not to have to curtail any of our production.

16 MR. KELLAHIN: Thank you, Mr. Barrett.

17 That concludes my examination of Mr. Barrett. We
18 would move the introduction of his Exhibits 1 through 13.

19 CHAIRMAN LEMAY: Without objection, Exhibits 1
20 through 13 will be admitted into the record.

21 Questions of the witness?

22 EXAMINATION

23 BY MR. STOVALL:

24 Q. I'll do briefly what I did before, just to make
25 sure we all agree since we're now in a different pool.

1 Were you here for my questions for the Phillips
2 witness?

3 A. Yes, I was.

4 Q. And the thrust of that was that it appears that
5 the reason the allowables are ratcheted downward is because
6 more wells become marginal, fewer nonmarginal wells, and
7 the new ones that you're developing have not yet gotten
8 into the system?

9 A. That's correct.

10 Q. You'd agree with that?

11 A. Yes, I would

12 Q. And so what worked two years ago to get this
13 production up has now declined, and now it's time to do
14 some more, and so you'd like to keep it there; is that
15 correct?

16 A. That's correct.

17 MR. STOVALL: I have nothing further.

18 CHAIRMAN LEMAY: Thank you, Mr. Stovall.

19 Additional questions? Mr. Kellahin?

20 FURTHER EXAMINATION

21 BY MR. KELLAHIN:

22 Q. Mr. Barrett, it's not simply a function of being
23 a temporary lag in the system, is it?

24 A. Well, no, that's true. Basically we've had a
25 952-MCF-per-day six-month allowable. We based some of our

1 work on that current, at that time, allowable. And that's
2 what we went ahead and did some of that work on.

3 But along with that, also, some of our work is
4 lagging in the system, which would help also. So I think
5 it impacts us both ways.

6 Q. Is it a correct characterization to say that the
7 ratcheting down of the allowable can be attributed to the
8 fact that as the allowable has been increased, more wells
9 go marginal, and therefore you have a very small number of
10 nonmarginal GPUs -- Even if you produced it at six times
11 over, you don't have enough capacity in those nonmarginal
12 wells to drive the pool allowable up?

13 A. That's correct.

14 Q. You need a permanent solution in terms of an
15 allowable, rather than simply a temporary flux in the
16 calculation?

17 A. That would help.

18 MR. KELLAHIN: All right, sir.

19 CHAIRMAN LEMAY: Thank you.

20 Questions? Gary?

21 COMMISSIONER CARLSON: Yeah.

22 EXAMINATION

23 BY COMMISSIONER CARLSON:

24 Q. If we go to your Exhibit Number 1 -- and I guess,
25 from what I understand from your Exhibit Number 2, if we're

1 looking at -- I think you stated that Exhibit Number 2
2 shows that the pool has produced over the allowable. But
3 as Mr. Kellahin just said, a lot of that is due to
4 nonmarginal -- or to marginal production.

5 If the nonmarginal wells had produced over the
6 allowable, by the OCD's method of doing this, your
7 allowable would have increased this time; is that correct?

8 That doesn't make any sense?

9 A. You might need to restate that.

10 Q. Well, I look on the number of nonmarginal acreage
11 factors on Exhibit 1. For the last year, summer season,
12 there was 1975. This time we have 22.6. So we have
13 increased the number of nonmarginal acreage factors.

14 Yet -- and according to your Exhibit Number 2,
15 the total production for the pool has exceeded the
16 allowable; is that correct?

17 A. Uh-huh.

18 Q. My question is, though, isn't the overproduction
19 shown on Exhibit 2 due to the marginal wells? And if your
20 nonmarginal wells had exceeded the allowables, the way this
21 system works, your allowable would in fact be higher this
22 time?

23 A. Yes, if I -- I think I'm understanding you
24 correctly. The nonmarginal wells -- Let's see. Since the
25 allowable was increased to 952, those wells that were at

1 600 -- or less than 952 were marginal. And so they could
2 have been increased somewhat, and -- bringing us closer to
3 the allowable, and then just a few nonmarginal wells would
4 take us over. Does that make sense? Is that your
5 question?

6 Q. Well, you know, we went from -- The Division went
7 from an allowable of 952 to a recommended allowable this
8 time of 600. That shows to me that -- except for what I
9 see on Exhibit 2, that the production had not exceeded the
10 allowables; that's why it went down. Yet according to your
11 Exhibit Number 2, the production had in fact exceeded the
12 allowables.

13 But that -- The fact that the allowables have
14 been exceeded is due to marginal production rather than
15 nonmarginal.

16 In other words your nonmarginal wells aren't
17 producing the allowable; otherwise your allowable would
18 have increased. Isn't that correct?

19 A. I don't think so. I think the nonmarginal wells
20 are producing above the allowable. I think what we're
21 seeing there, starting in about July of 1993 -- I know for
22 Conoco, we started a lot of work at that point in time,
23 which has caused that production to increase. And I think
24 that's where we get back to the point that some of that is
25 not into the system yet.

1 Q. New wells?

2 A. New wells.

3 Q. So this -- the increase in nonmarginal acreage
4 factors from 1975 to 22.6, is that due to new wells?

5 A. Speaking from Conoco's point of view, yes, that
6 could very well be, because I do know we have some
7 nonmarginal wells.

8 COMMISSIONER CARLSON: Maybe I'm asking the wrong
9 guy.

10 Jim is -- Why have the nonmarginal acreage
11 factors for that pool increased?

12 MR. STOVALL: Maybe I could do that, Commissioner
13 Carlson, because I think I know where you're going, and I
14 can usually confirm what I'm saying.

15 In some of those wells -- The classification
16 period is three months, the proration period is six months.
17 A well might come on, say, in the latter half of last
18 summery, and would show up as a -- and within three months
19 or even over the winter period, might push up the allowable
20 -- or push up its production, go nonmarginal, these new
21 wells that I've talked about lagging.

22 They would then come in as a nonmarginal acreage
23 factor, yet their production would not have been shown in
24 the April-to-September production last year because they
25 didn't have production for all or most of the period. Is

1 that making sense to you?

2 In other words, they could reclassify to
3 nonmarginal without having their production get into the
4 numbers. And when you look at -- There's a graph on
5 Exhibit 2. Those -- Where his red line goes above the
6 allowable is after that period.

7 So it's not showing up in the number that's
8 appearing for 4-93 through 9-93 in terms of total
9 production. Yet the effect of those wells is showing up in
10 the number of nonmarginal acreage factor column.

11 So they're getting to -- In other words, what
12 they're getting to do is, because they're nonmarginal,
13 they're having to share this production they didn't
14 contribute to, which would have raised up that production
15 during that period, had they been on line during that
16 period.

17 MR. MORROW: Or maybe they contributed one month
18 and you divide that by six --

19 COMMISSIONER CARLSON: Right.

20 MR. MORROW: -- and it doesn't have any effect.

21 COMMISSIONER CARLSON: Right. Okay, yeah. That
22 explains it.

23 THE WITNESS: I think I may have stated something
24 unclearly also on that second exhibit. The red portion
25 there that there are red circles there --

1 COMMISSIONER CARLSON: Uh-huh.

2 THE WITNESS: -- those are actual production
3 numbers. I think I may have misstated that before. Those
4 are actual production numbers. So we know we've gone above
5 with that.

6 Also, to add further to that, if you look at
7 Exhibit Number 3, Exhibit Number 3 is production that is on
8 line right now on the State C 20. It -- Some of that work
9 was done January of 1994.

10 So absolutely, those numbers are not in the
11 monthly production. That is new production that we already
12 have seen, that is nonmarginal.

13 MR. STOVALL: Commissioner Carlson and
14 Commission, I'd like to point out something else about the
15 Eumont Pool that's unique; I think maybe Jalmat shares a
16 little bit with it.

17 In most of the other pools that you look at,
18 there's a standard proration unit which -- 90 percent of
19 the GPUs have a marginal factor -- have an acreage factor
20 of 1.

21 In the Eumont, and also the Jalmat to a large
22 extent, the size of the proration unit varies from 40 to
23 640, and the number of wells is widely divergent. It's not
24 like, say, Basin Dakota where you've got two wells on a
25 320. Here you may have three wells on a 40 and two wells

1 on a 640, type of thing.

2 So it's a -- When you look at that 2260, you
3 don't assume there are 22.6 F1 -- or acreage-factor-of-one
4 wells. I mean, there's a lot of fractions above and below
5 one that go into that. It's a much more complicated pool
6 as far as proration, what's going on there.

7 COMMISSIONER CARLSON: What is the proration unit
8 for the pool as set by the pool rules?

9 MR. STOVALL: An acreage factor -- Well, I think,
10 if my recollection is correct, the standard proration unit
11 is 640. The witness -- Can you confirm that?

12 THE WITNESS: Correct.

13 MR. STOVALL: An acreage factor of one, I
14 believe, is 160.

15 THE WITNESS: That's correct.

16 MR. STOVALL: So it's a real strange deal. In
17 another pool -- Like, say, Indian Basin: It's a 640 pool
18 with an acreage factor of one to 640.

19 COMMISSIONER CARLSON: Uh-huh.

20 MR. STOVALL: Here it's a 640 pool with an
21 acreage factor of one to 160.

22 So when you start looking at the actual wells, it
23 becomes much more complicated, and so it's harder to figure
24 out what's happened.

25 Believe me, we know it's harder to figure out

1 what happened.

2 COMMISSIONER CARLSON: Yeah, it does...

3 Q. (By Commissioner Carlson) Okay, I have one more
4 question that probably further shows my stupidity, but on
5 your Exhibit Number 7 when you show the economics of -- I
6 guess this is Well Number 2. The lease production in the
7 top portion there of 1675 MCF per day, that's out of the
8 three, I guess, existing wells, right?

9 A. Correct.

10 Q. And then if you recomplete the Number 2, you
11 would get an additional 1904 MCF per day?

12 A. No, you get an additional 229 MCF per day.

13 COMMISSIONER CARLSON: Okay. I guess -- I think
14 I understand that.

15 MR. KELLAHIN: That's a function of the --

16 COMMISSIONER CARLSON: Yeah.

17 MR. KELLAHIN: -- 320.

18 Q. (By Commissioner Carlson) Right. The 952 times
19 2 is the total allowable for that 320?

20 A. That's correct.

21 COMMISSIONER CARLSON: All right, it sinks in
22 now. Thank you.

23 CHAIRMAN LEMAY: Not one of our easier pools.

24 COMMISSIONER CARLSON: Right. I have no other
25 questions. Thanks.

1 CHAIRMAN LEMAY: Commissioner Weiss?

2 COMMISSIONER WEISS: Yeah, I have one on the same
3 exhibit.

4 EXAMINATION

5 BY COMMISSIONER WEISS:

6 Q. The Number 2 well that you -- that's proposed as
7 a recompletion, has it produced out of this pool before, or
8 is it from someplace else or -- I don't understand it.

9 A. No, the Number 2 well was to a deeper horizon,
10 and right offhand I don't remember which horizon that was.
11 But we are recompleting it to this pool.

12 Q. Okay. So it didn't have anything to do with the
13 Eumont Gas Pool?

14 A. That's correct.

15 And just to add further to that, this was a
16 recompletion to this pool. We had upper pay that's down in
17 the bottom of this exhibit, that we could have opened up,
18 that we didn't because we knew we were going to be even
19 above the 952-a-day allowable.

20 So there is even more reserves and pay to go
21 after in this particular well.

22 COMMISSIONER WEISS: Okay, thank you.

23 EXAMINATION

24 BY CHAIRMAN LEMAY:

25 Q. I think I understand what the economics are, but

1 correct me or please comment on it.

2 It's economic to recomplete a well; it's not
3 economic to drill to capture that unused allowable within a
4 proration unit?

5 A. That's correct.

6 Q. So as you complete wells, I'm real curious on
7 your adding reserves per additional well completed in the
8 640. Can you get to some point that you're still adding
9 where you've got wells on 40-acre spacing? Have you
10 projected that out to where there's an economic limit to
11 how many wells you should be basically drilling in this
12 field, on 640s?

13 A. Yes, we actually have one that we have a well on
14 a 40-acre proration unit. That was going to add to it
15 earlier. That's the only one that we have.

16 We'll have to be very careful before doing that,
17 and that's why we feel the 952-MCF-a-day allowable now is
18 acceptable. We don't want to see it get too carried away
19 in drilling up to --

20 Q. Yeah, the gist of my question is, will you be
21 coming here for adding additional allowables as you drill
22 up the 640-acre proration unit or recomplete it on a 40-
23 acre spacing pattern?

24 A. That -- probably not. That's hard to say, I
25 guess.

1 Q. Okay. I just wonder where we're going in this
2 field. The -- Evidently it's economic with the price of
3 gas and -- to recomplete at least -- You're down to 96-acre
4 patterns that add reserves on a recompletion, and you're
5 saying that the 952 per -- I guess per 160, will allow you
6 to continue this type of development?

7 A. That's correct.

8 Q. So the allowable is as much an incentive -- like
9 the other allowable-increase requests -- as much an
10 incentive for additional development as anything else?

11 A. Yes, it is.

12 And what I meant to say, I guess, earlier was
13 that we're going to be more careful to not go beyond that,
14 because then you start bringing in risk that you may not
15 have as many successful projects. So that's why we're
16 going to be more careful in our development.

17 Q. I see. And right now it makes sense for you on
18 recompletion but not necessarily on new drills?

19 A. Well, it does on both if -- you know, under the
20 952.

21 CHAIRMAN LEMAY: That's all the questions I have.
22 Additional questions of the witness?

23 FURTHER EXAMINATION

24 BY MR. KELLAHIN:

25 Q. One follow-up question on how Conoco operates the

1 available six-times-over rule.

2 This pool and the other pools in southeastern New
3 Mexico, you're allowed the flexibility to overproduce the
4 allowable by as many as six times, and then to subsequently
5 balance. What do you do about that?

6 A. Currently, we are not overproducing the six times
7 because what we've seen in this Eumont Pool, at least from
8 our viewpoint, is that if you were to overproduce and then
9 shut wells in, we'd have problems getting them back on the
10 line. So we feel it's best, as far as from a completion
11 standpoint, to go ahead and produce these at the allowable
12 and not overproduce them so we don't have to shut them in.

13 MR. KELLAHIN: I have no further questions.

14 CHAIRMAN LEMAY: Thank you. Additional
15 questions? The witness may be excused.

16 More on Eumont? Mr. Carr?

17 MR. CARR: May it please the Commission, at this
18 time I would call Mr. Al Bohling to testify on the Eumont
19 for Chevron.

20 AL W. BOHLING,
21 the witness herein, after having been first duly sworn upon
22 his oath, was examined and testified as follows:

23 DIRECT EXAMINATION

24 BY MR CARR:

25 Q. Would you state your name for the record, please?

1 A. My name is Al W. Bohling.

2 Q. By whom are you employed?

3 A. Chevron USA.

4 Q. And what is your current position with Chevron?

5 A. I'm a petroleum engineer.

6 Q. Mr. Bohling, have you previously testified before
7 this Commission and had your credentials as an expert in
8 petroleum engineering accepted and made a matter of record?

9 A. Yes, I have.

10 Q. Have you testified in previous allowable hearings
11 concerning the allowable figures for the Eumont Gas Pool?

12 A. Yes.

13 Q. Are you familiar with the preliminary allowable
14 figures that have been provided by the Oil Conservation
15 Division?

16 A. Yes, I am.

17 Q. Have you made a study of the recent production
18 history of this pool?

19 A. Yes.

20 Q. Are you prepared to make recommendations to this
21 Commission concerning adjustments in those preliminary
22 allowable figures?

23 A. I am.

24 MR. CARR: Are the witness's qualifications
25 acceptable?

1 CHAIRMAN LEMAY: His qualifications are
2 acceptable.

3 Q. (By Mr. Carr) Can you briefly state the purpose
4 of Chevron's testimony in this case?

5 A. Chevron's purpose in presenting testimony here
6 for the Eumont Prorated Gas Pool is to provide some
7 additional recent information to the Commission in order to
8 set a more appropriate gas allowable for the Eumont
9 Prorated Gas Pool.

10 Q. Have you prepared exhibits for presentation here
11 today?

12 A. Yes, I have.

13 Q. Would you refer to what has been marked Chevron
14 Exhibit Number 1, identify that for the Commission, and
15 then review the information on this exhibit?

16 A. Exhibit Number 1 is a production graph of the
17 producers, several principal producers in the pool, and
18 also the Eumont total pool's production. It's here
19 basically to illustrate the relative position of the
20 producers within the pool.

21 The scale on the left, in black, is in MCF per
22 day, and that is primarily for the producers and their
23 production.

24 The scale on the right, shown in red, is in MCF
25 per day, and that relates to the pool's total production,

1 which is shown by the red line at the top of the graph.

2 The line just underneath the red line, or blue
3 line, represents Chevron's production. And this production
4 is for the period of January, 1991, through to November of
5 1993.

6 As you can see, Chevron is a significant
7 contributor to the overall pool's daily gas production, and
8 Chevron has maintained a steady, full producing rate
9 throughout each year, due primarily to its workover and
10 drilling program.

11 And as of November of 1993, Chevron produces
12 approximately 23,000 MCF per day, or 25 percent of the
13 pool's total, which is -- as of November, 1993, is 93,000
14 MCF per day.

15 Another point I'd like to show is, by the green
16 line and by the magenta-colored line, Arco and Conoco, as
17 well as others, you can see that they have realized
18 significant recent increases in their daily production as a
19 result of their development programs in the Eumont Gas
20 Pool.

21 Q. Let's go to Exhibit Number 2. Could you identify
22 and review this exhibit for the Commission?

23 A. Exhibit Number 2 is a bar graph which depicts
24 historical daily production, April of 1993 to November of
25 1993, of both the Eumont Gas Pool and Chevron.

1 The total bar height represents the Eumont Pool's
2 total daily production and is typified by the dark blue,
3 while the dark red portion of that bar represents Chevron's
4 contribution to that total production.

5 Also cutting through the top of the graph is a
6 line which represents the OCD's proposed 600 MCF per day
7 per acreage factor of one allowable, or 84,300 MCF per day.

8 As you can see, the production basically from
9 August of 1993 through November of 1993 has been
10 consistently above the OCD's proposed allowable 600 MCF per
11 day.

12 To go on and describe the light-colored bars to
13 the right, from November of 1993 on to September of 1994,
14 what I've done here is, I've held the production for the
15 Eumont Pool as of November of 1993 flat at 93,386 MCF per
16 day and have just added Chevron's estimated production
17 increases as a result of our 1993 and 1994 development
18 programs, and forecasted out the Eumont's and Chevron's
19 production through to September of 1994, through the next
20 essentially two proration periods, the remainder of this
21 proration period, and the one that we're here for today.
22 These are depicted by the light-colored red and blue bars.

23 Since November of 1993, Chevron has completed
24 eight workovers and two new drills, which have added
25 approximately 4.8 million per day of production. And this

1 will bring the Eumont Pool's total production to
2 approximately 98,000 MCF per day for March of 1994.

3 Q. Now, this is reflected in the forecast portion of
4 this exhibit; is that right?

5 A. That is correct.

6 Q. And the forecast portion is only showing
7 additional Chevron production?

8 A. That's correct.

9 Q. What would happen if the OCD were to adopt the
10 600-MCF-per-day recommendation?

11 A. If they were to adopt the 600-MCF-per-day
12 recommendation, Chevron would instantly go from what it has
13 now, two nonmarginal acreage factors, to 20 nonmarginal
14 acreage factors, and would essentially have to curtail or
15 defer 3.3 million a day of current production.

16 This would also place at risk the remainder of
17 our 1994 development program, which consists of completing
18 two new drills and up to six more workovers. The two new
19 drills and six more workovers would be an additional 2
20 million a day, curtailed production.

21 The two new wells, just for your information, we
22 are currently completing a second new drill, as far as the
23 drilling process is concerned. We still have yet to do the
24 completion work on those two wells. If we were to adopt a
25 600-MCF-a-day allowable, these two wells' production

1 probably would not come back or be severely curtailed, as
2 far as that gas proration unit which they are on.

3 Q. Since November of 1993, how much additional
4 reserve or production has Chevron been able to achieve in
5 this pool because of their workover program?

6 A. Essentially, as I stated, since November of 1993,
7 we have -- to March of 1994, we have added approximately
8 4.8 million a day.

9 From March of 1994, if we were to continue our
10 current 1994 program, to roughly the middle of the next
11 proration period, June of 1994, we'll add about another 4
12 million a day.

13 Q. And is continuation of this program, in your
14 opinion, dependent upon reasonable allowable limits for the
15 pool?

16 A. Yes, it is.

17 Q. Let's go to what has been marked as Chevron
18 Exhibit Number 3. Would you identify this and explain how
19 this exhibit differs from the preceding one?

20 A. This exhibit differs primarily just in the fact
21 that the line drawn across the top of the bars or graph
22 represents what the current allowable of 952 MCF per day,
23 as evident maintaining the current allowable at 952 MCF per
24 day through the next proration period would be more
25 appropriate.

1 Chevron would have two nonmarginal acreage
2 factors which would expand to approximately four
3 nonmarginal acreage factors in June of 1994, if we were
4 continue with our 1994 program under this scenario.

5 Q. And under this scenario, even just including the
6 additional production from Chevron properties, the pool
7 would be producing in excess of the allowable limit; is
8 that right? Or could produce in excess of the allowable
9 limit?

10 A. Yes, it could.

11 Q. Are you ready to go to Exhibit 4?

12 A. Yes.

13 Q. Let's move to that now, and would you explain to
14 the Commission what this shows?

15 A. Exhibit Number 4 is a comparison table which
16 shows Chevron's recommendation for adjustment to the pool's
17 allowable. And that is, we recommend an increase or an
18 addition of 246,214 MCF per month, which would bring the
19 pool's total monthly allowable for April of 1994 to
20 September of 1994 to 2,800,000 MCF, and this would result
21 in a monthly acreage allocation factor of 28,928 MCF or 952
22 MCF per day.

23 Q. So you're recommending continuation of the
24 current allowable limit?

25 A. Yes, I am.

1 Q. Is there a market for this gas?

2 A. Yes, there is.

3 Q. In your opinion, would an increase in allowable,
4 as you're recommending, enable producers in this pool to
5 maintain their market share for Eumont gas?

6 A. Yes, it would. We feel the continuation of the
7 current allowable of 952 MCF per day for an acreage factor
8 of one would allow an ongoing development in the Eumont
9 Prorated Gas Pool by operators in the pool. And as
10 previously stated by our witness, Mr. Green, we would have
11 a market for that production.

12 Q. In your opinion, will approval of this
13 recommendation, or adoption of Chevron's recommendation,
14 result in the protection of correlative rights?

15 A. Yes, it would.

16 Q. Would it otherwise be in the best interest of
17 conservation and the prevention of waste?

18 A. Yes.

19 Q. Will it result in a more efficient producing
20 rate, in your opinion, for the reserves in the Eumont Gas
21 Pool?

22 A. Yes, it will.

23 Q. Were Exhibits 1 through 4 prepared by you?

24 A. Yes, they were.

25 MR. CARR: May it please the Commission, at this

1 time I'd move the admission into evidence of Chevron
2 Exhibits 1 through 4, and I would note that we have put the
3 letter E after these exhibits to identify them as relating
4 to the Eumont Gas Pool.

5 CHAIRMAN LEMAY: Thank you, Mr. Carr. Exhibits 1
6 through 4 will be admitted into the record without
7 objection.

8 Questions of the witness? Gary, do you have any?

9 EXAMINATION

10 BY COMMISSIONER CARLSON:

11 Q. Yeah, on your exhibit -- I guess it's 3 -- you
12 took into account Chevron's additions only. If I look at
13 what Conoco is proposing, it looks like they're going to
14 add approximately another 4000, so...

15 My point is, it looks like even 952 a day may not
16 be enough for you, if I take into -- both Chevron and
17 Conoco's proposed additions into account. Is that
18 possible?

19 A. Well, Chevron feels that 952, even with Conoco's
20 additions, would still be appropriate. This would increase
21 the pool's production. However, it would not necessarily
22 entail curtailment of production, when you think of a gas
23 proration unit, the number of wells on a gas proration
24 unit, what the allowable is assigned to that gas proration
25 unit, and the fact that there are decline rates associated

1 with wells on those gas proration units also.

2 Q. So you would still feel comfortable with what you
3 propose?

4 A. Yes, sir.

5 Q. Have you contacted the other operators in the
6 pool?

7 A. I have been in conversation with several of the
8 other operators in the pool, yes, sir.

9 Q. What's their feeling about increased allowables?

10 A. Their feeling is to basically support the 952 MCF
11 per day per acreage factor of one.

12 They also have programs similar to Conoco's and
13 Chevron's that they would like to continue, and that will
14 enable them to do so.

15 Q. And none of the operators are opposed to the 952?

16 A. The ones I've been in contact with are not
17 opposed to it, no.

18 Q. How many have you been in contact with?

19 A. I have been in contact with Amerada, Arco,
20 Texaco, Conoco, and that's it.

21 COMMISSIONER CARLSON: Thank you. I have no
22 other questions.

23 CHAIRMAN LEMAY: Commissioner Weiss?

24 COMMISSIONER WEISS: I have no questions.

25 CHAIRMAN LEMAY: Just one.

EXAMINATION

BY CHAIRMAN LEMAY:

Q. Didn't call Doyle Hartman, I take it?

A. No, sir.

CHAIRMAN LEMAY: Any other questions of the witness? If not, he may be excused.

MR. CARR: May it please the Commission, I don't believe there's any other presentation on the Eumont Pool.

I have two very brief statements, one from Texaco, one from Arco. With your permission, I would like to read them into the record.

CHAIRMAN LEMAY: Please do.

MR. CARR: The statement from Texaco is signed by Terry L. Fraser, Hobbs area manager, and it states that Texaco advocates the continuance of the Eumont Gas Pool allowables at or near the current level of 952 MCF per day.

The proposed reduction to the minimum 600 MCF per day may adversely affect the growth and activity level seen in the pool recently. Production levels resulting from this activity have clearly been able to support higher allowables over the past 18 months.

Texaco then goes on to note that on the 17th testimony was presented to the -- 17th of February, testimony was presented which assured that all operators in the pool would have pipeline availability for all gas

1 produced.

2 Arco's statement is from David Newell, their
3 senior operations analytical engineer, and it again
4 supports maintaining allowables at the current levels for
5 the April, 1994, through September, 1994, time period.

6 It seeks continuation of the current rates
7 because it notes that in 1993 they completed 13 workovers
8 or recompletions in the Eumont Pool and drilled four
9 additional wells.

10 Arco states that it's planning seven additional
11 workovers and two wells in 1994 and that it would probably
12 have to cancel this additional work if the minimum
13 allowable of 600 MCF per day was adopted for the next
14 proration period.

15 I have copies of these statements for the
16 Commission.

17 And that's all I have.

18 CHAIRMAN LEMAY: Thank you.

19 Mr. Kellahin? I'm sorry, Jim, do you have a
20 statement?

21 MR. BRUCE: I have a statement on behalf of Exxon
22 that Exxon supports the proposal made by Conoco.

23 CHAIRMAN LEMAY: You're for the Eumont Pool,
24 right?

25 MR. BRUCE: Yes.

1 CHAIRMAN LEMAY: All right. Thank you, Mr.
2 Bruce.

3 Any more comments on the Eumont Pool?

4 MR. KELLAHIN: Yes, sir.

5 CHAIRMAN LEMAY: Mr. Kellahin?

6 MR. KELLAHIN: Mr. Chairman, Oryx Energy Company
7 has a letter of support. It is executed by Rick Hall, the
8 operations engineer for Oryx out of Dallas, Texas.

9 He joins with the others in supporting a
10 continuation of the monthly allocation factor. It's the
11 same number that we've all talked about. It gets you to
12 the 952.

13 It says, Our gas marketing division assures us
14 that they have a market for the proposed volume, and he
15 urges the Commission to approve the allocation factor
16 proposed by these other companies in this Application.

17 The second statement is one by Marathon Oil
18 Company. It's signed by T.N. Tipton, the Engineering
19 manager in the Midland Operations Office in Midland, Texas.

20 It says, Marathon Oil Company operates eight
21 active wells in the Eumont Gas Pool. Marathon supports the
22 acreage allocation factor of 28,928 MCF per month. We
23 believe this will permit equitable sharing between the
24 owners of the gas pool based upon present production
25 capacities of the producers in the pool. Marathon recently

1 drilled three development wells. The drilling of those
2 wells was justified based upon the continuation of that
3 existing rate. They have plans for additional wells and
4 support the continuation of the allowable that they're
5 currently enjoying.

6 CHAIRMAN LEMAY: It will be incorporated into the
7 record.

8 Mr. Stovall?

9 MR. STOVALL: One other comment, address a little
10 bit Commissioner Carlson's questions on the -- pushing the
11 allowable up.

12 The level for the new proration units coming on
13 will stay the same for each of those new units. What is
14 likely to happen, I think you can anticipate, next year the
15 same sort of thing, because you've got more nonmarginal
16 units on stream, but they're coming on during or after the
17 proration period.

18 I suspect you may see the same sort of results
19 next year, that it will not have taken effect yet, and the
20 mathematical calculation won't keep it up at that level.
21 They could conceivably be in the same situation where the
22 nonmarginal production in the field is not reflected in the
23 report, yet there are the number of units.

24 So that's where that will affect what your
25 question was that you were asking earlier.

1 CHAIRMAN LEMAY: Anything additional on Eumont?

2 Let's go on, then. What do you want to do?

3 Indian Basin?

4 MR. CARR: At this time, on behalf of Chevron, I
5 will call Mr. Brian Huzzey.

6 (Off the record)

7 BRIAN HUZZEY,

8 the witness herein, after having been first duly sworn upon
9 his oath, was examined and testified as follows:

10 DIRECT EXAMINATION

11 BY MR. CARR:

12 Q. Would you state your name for the record, please?

13 A. My name is Brian Huzzey.

14 Q. Where do you reside?

15 A. I live in Midland, Texas.

16 Q. By whom are you employed and in what capacity?

17 A. I'm employed by Chevron USA, and I'm a petroleum
18 engineer for several fields in Eddy and northern Lea
19 County, New Mexico.

20 Q. Have you previously testified before this
21 Commission?

22 A. Yes, I have.

23 Q. At the time of that testimony, were your
24 credentials as a petroleum engineer accepted and made a
25 matter of record?

1 A. Yes, they were.

2 Q. Have you testified in prior allowable hearings
3 concerning the status of allowables for the Indian Basin
4 Upper Pennsylvanian Gas Pool?

5 A. Yes, I have.

6 Q. Are you familiar with the preliminary allowable
7 figures that have been promulgated by the Division for this
8 pool?

9 A. Yes, I am.

10 Q. Have you studied recent production trends in the
11 pool?

12 A. Yes.

13 Q. Are you prepared to make recommendations to the
14 Commission concerning adjustments to those preliminary
15 figures?

16 A. Yes, I will.

17 MR. CARR: Are the witness's qualifications
18 acceptable?

19 CHAIRMAN LEMAY: His qualifications are
20 acceptable.

21 Q. (By Mr. Carr) Mr. Huzzey, have you prepared
22 certain exhibits for presentation here today?

23 A. Yes, I have.

24 Q. Let's go to what has been marked Chevron Exhibit
25 Number 1. These are all indicated IB for Indian Basin.

1 Go to Exhibit Number 1 and, using this exhibit,
2 could you review generally Chevron's recommendation for
3 this pool?

4 A. Okay. Chevron recommends an adjustment of
5 169,000. You can find that on line 3 in the far right-hand
6 column. This will change the monthly acreage allocation
7 factor found line 8 in the far bottom right-hand corner of
8 the chart or table, to 197,000.

9 Q. And how does this compare to current allowable
10 figures for this pool?

11 A. This is a continuation of the current allowable
12 through the winter period.

13 Q. What is Chevron's ownership position in this
14 pool?

15 A. Okay, Chevron operates approximately 43 percent
16 of this field's production.

17 Q. At this point, I think it would be helpful if you
18 would just identify what has been marked Chevron Exhibits 2
19 through 11, as it relates to this pool.

20 A. Okay. Exhibit Number 2 is the Bogle Flats Unit
21 Number 1 Well, and I will be going through each well we
22 have in the field -- we have ten wells -- to explain our
23 position and where they are and where we plan to go.

24 Q. And so what you're going to do is look at each
25 performance curve on each of these ten wells?

1 A. Yes.

2 Q. All right. Well, let's start with Bogle Flats
3 Unit Number 1. Review this for the Commission, please.

4 A. Okay. Bogle Flats Unit Number 1, if you'll look
5 at the plot, the solid bars are the C-115 productions
6 reported to the OCD. And the dark line that starts
7 slightly above 150,000 MCF a month is the pool allowable,
8 historical pool allowable and the current pool allowable.

9 If you'll notice, in June -- There are several
10 features that are common through all these plots, one of
11 them being that in June of 1993 all the production was
12 down. The plant which handles all the gas from this field
13 was down for ten days, so every well has a downgrade in
14 June. Also, in November of 1993, the plant was again down
15 for five days, which significantly impacted production.

16 On this particular well, in late November we
17 installed compression, wellhead compression, and this well
18 is now currently producing well over the -- not
19 significantly over, but over the current pool allowable,
20 and it's averaging approximately 205,000 MCF per month.

21 Q. Do you anticipate that for this the next
22 proration period this well can produce in excess of the
23 recommended allowable?

24 A. Yes.

25 Q. Let's go to the Bogle Flats Number 2 Well.

1 A. Bogle Flats Number 2 is also a well in which we
2 have recently added wellhead compression. It was installed
3 the last week of December.

4 As you can see from this plot on the far right-
5 hand side, in January of 1994, the production was in excess
6 of a current pool allowable.

7 Q. Bogle Flats Unit Number 3.

8 A. Okay, the next exhibit, Bogle Flats Number 3,
9 this well does not have a compressor on it. However, due
10 to current and -- activities in this field, compression may
11 be installed sometime within the next six to eight months
12 to maintain production at this level.

13 Q. At this time, which wells actually have
14 compression installed on them?

15 A. Okay, for Chevron we only have two wells.
16 However, other wells in the field are having compression,
17 and it's added as time goes on.

18 That has a tendency to make it harder for the
19 naturally flowing wells to compete in the gathering system.
20 Therefore, we have to have more compression to other wells
21 to maintain our rates.

22 Q. All right. The Bogle Flats Unit Number 3 Well,
23 even without the compression, is producing in excess of the
24 recommended allowable level with the adjustments you're
25 proposing?

1 A. Yes.

2 Q. All right. Let's go to the Number 4 well.

3 A. Okay, Bogle Flats Number 4, again, has only been
4 below the current allowable when there have been
5 operational problems in the plant or in the field, and it's
6 currently averaging 195,000 MCF per month.

7 Q. The Helbing Federal Gas Com Number 1.

8 A. Okay, this well we did some additional work in
9 August of 1993, and you'll notice in September it became a
10 top-allowable well and has been producing steadily at a
11 top-allowable rate since that time.

12 Q. Each of these first five wells is at this time
13 able to produce in excess of the recommended allowable
14 level?

15 A. Yes.

16 Q. All right. Let's go now to the Bogle Flats Unit
17 Number 6 Well.

18 A. The Bogle Flats Unit Number 6, as you can see,
19 does not and has not been exceeding the pool allowable that
20 is recommended.

21 However, we've recently stimulated within the
22 last two or three weeks, due to some studies which I
23 concluded earlier this -- in the middle of last year, and
24 it's currently making approximately 6400 to 6500 MCF a day,
25 which would make it 197,000 MCF per month, or a top-

1 allowable well, or right at the top allowable.

2 Q. And the Federal Gas Com '33' Number 1?

3 A. The '33' Number 1 is again not currently
4 producing at the top -- at the allowable which we are
5 recommending.

6 However, we have already initiated work to
7 install compression on this well, and it will probably be
8 put on within the next month to month and a half.

9 Q. Bogle Flats Unit Number 5, Exhibit 9.

10 A. This well is, from this chart or plot, not a top-
11 allowable well. However, this doesn't reflect some of the
12 work which we did in January.

13 We upsized the tubing from 2-7/8 to 3-1/2-inch,
14 and this well is currently making about 5600 MCF per day,
15 so that's over 170,000 MCF per month. And again, this is a
16 candidate for additional compression, this year.

17 Q. Go to the next one, the Bogle Flats Unit Number 8
18 Well, Exhibit 10.

19 A. Okay, Bogle Flats Unit Number 8 already, again,
20 has an AFE circulating for additional compression, as well
21 as Bogle Flats Unit Number 9, which is the next exhibit.

22 Neither of them is currently a top-allowable
23 well. However, Number 8 has an excellent opportunity to
24 become a well in that range.

25 Q. From these performance curves, Mr. Huzzey, what

1 conclusions can you reach about the appropriate allowable
2 limits for this pool?

3 A. Many of our wells are already capable of
4 producing at the current allowable of approximately 6500
5 MCF per day. Therefore, we would recommend continuation of
6 this.

7 And as stated, many of our wells will be able to
8 in the very near future, if a reduction was -- in the
9 allowable, as stated, many of our naturally flowing wells
10 would have to be choked back at this time.

11 Q. Does a market exist for all the gas produced from
12 this field?

13 A. Yes, as Mr. Green testified, we have no problem
14 marketing our gas.

15 Q. If this allowable was increased from the
16 recommended level to the current or your proposed level for
17 the next proration period, would there be any adverse
18 impact on the correlative rights of operators in the pool?

19 A. No, sir.

20 Q. Have you talked to other operators about their
21 concurrence in your recommendation?

22 A. Yes. Chevron contacted most of the operators in
23 the Indian Basin Upper Penn Gas Pool in late January, and
24 we all -- or many of the operators chose to attend the
25 meeting, which was held on February 9th. And at that point

1 in time, most -- in fact, all the operators supported
2 maintenance of the current allowable and/or the option of
3 going to a higher allowable.

4 Q. Attached to the Chevron exhibits is a letter from
5 MW Petroleum Corporation supporting your recommendation.

6 Was that a result of this meeting that you just
7 referenced?

8 A. Yes, MW or Apache attended, as well as Texaco,
9 Marathon, Oryx. Several other smaller operators were
10 invited. They chose not to attend the meeting.

11 Q. Could you briefly review recent events or recent
12 efforts whereby operators have been attempting to develop
13 efficient reservoir management practices or procedures for
14 this pool?

15 A. Again, at the meeting which we had in our offices
16 in Midland in February, one of the primary results of the
17 meeting was the formation of an Indian Basin Upper Penn Gas
18 Pool technical committee.

19 The initial charge of this committee is to
20 determine what sort of reservoir management plan will most
21 effectively produce and deplete -- effectively and
22 efficiently produce and deplete this reservoir.

23 And the first technical committee meeting is
24 scheduled for April 10th in our Chevron offices in Midland.

25 Q. Is this technical committee looking at this time

1 at unitization of the field?

2 A. That subject was broached at the February 9th
3 meeting. However, the primary obligation or charge of the
4 Committee at this point in time is to develop a reservoir
5 management plan.

6 Q. And the results of this effort may wind their way
7 into subsequent allowable hearings; is that fair?

8 A. Yes.

9 Q. Were Exhibits Indian Basin 1 through 11 prepared
10 by you?

11 A. Yes, they were.

12 MR. CARR: At this time, may it please the
13 Commission, we would move the admission into evidence of
14 Chevron Exhibits 1 through 11.

15 CHAIRMAN LEMAY: Without objection Exhibits 1
16 through 11 of Chevron will be admitted into the record.

17 MR. CARR: And that concludes my direct
18 examination of Mr. Huzzey.

19 CHAIRMAN LEMAY: Thank you, Mr. Carr.

20 Questions of the witness?

21 COMMISSIONER CARLSON: No.

22 CHAIRMAN LEMAY: Bill?

23 COMMISSIONER WEISS: No.

24 CHAIRMAN LEMAY: I don't have any either. You
25 did a good job. Thank you very much, Mr. Huzzey.

1 Mr. Kellahin?

2 MR. KELLAHIN: I'd like to call Mr. Rick Hall on
3 behalf of Oryx Energy Company. He has a presentation on
4 this.

5 RICK HALL,

6 the witness herein, after having been first duly sworn upon
7 his oath, was examined and testified as follows:

8 DIRECT EXAMINATION

9 BY MR. KELLAHIN:

10 Q. Would you please state your name and occupation?

11 A. My name is Rick Hall. I'm with Oryx Energy
12 Company in Dallas, Texas.

13 Q. In what capacity are you employed, Mr. Hall?

14 A. I'm a petroleum engineer for Oryx, specifically
15 an operations engineer for the Hobbs area, which includes
16 Eddy County, which obviously Indian Basin is located in.

17 Q. Do your duties include managing your production
18 or reviewing your production from the Indian Basin Upper
19 Pennsylvanian Gas Pool and looking at the allowable
20 proposed by the operators in that pool?

21 A. Yes, sir, my job -- primary function is to
22 maintain the production in the Indian Basin Pool and those
23 operations.

24 Q. All right. And have you testified before the
25 Commission before with regards to the subjects of allowable

1 in this pool?

2 A. Yes, I have.

3 MR. KELLAHIN: We tender Mr. Hall as an expert
4 witness.

5 CHAIRMAN LEMAY: His qualifications are
6 acceptable.

7 Q. (By Mr. Kellahin) Mr. Hall, if you'll take
8 Exhibit Number 1 and tell us what your company's position
9 is with regards to the next allowable period and the
10 allowables to be assigned in this pool.

11 A. Our company's position is similar to Chevron's.
12 We would like to see the 6.5-million-per-day allowable
13 remain in effect.

14 It's the same allocation factor that the
15 Commission has granted in the past three allowable periods.
16 We see our wells capable to produce at this allowable, and
17 we have gas marketing available for the gas that we can
18 produce.

19 Q. How many wells in this pool do you operate?

20 A. We operate five wells in the pool.

21 Q. Let's look at Exhibit 2. What have you shown
22 here?

23 A. Exhibit 2 is a list of our wells that we operate
24 and a production comparison in the winter period. We show
25 the gas proration schedule provided by the Commission for

1 the winter period in the middle column, and in the last
2 column we show what we are estimating our wells to produce
3 in this current winter period. Basically those range from
4 1.7 million a day to 6.9 million a day.

5 Q. Which of your wells are -- if any, are restricted
6 by the current allowable level?

7 A. At the current situation, none are inhibited by
8 the allowable period -- or by the allowable level.

9 If the Commission's 5.3 proposed allowable is
10 granted, four of our five wells would be inhibited by that
11 allowable.

12 Q. Let's turn to Exhibit 3. Would you identify and
13 describe that display?

14 A. Exhibit 3 is similar to Exhibit 2. It's a
15 summer-period list of our wells, the April, 1993, through
16 September, 1993, proration schedule provided by the
17 Commission, our actual production last summer.

18 You can see the Commission estimated our
19 production to be 754. We actually produced 778,000 MCF per
20 day. And we're showing our production capability for this
21 summer, based upon work that is in progress and work that
22 we've done in the past, which we're estimating to be
23 890,000 MCF per month.

24 I might add that if you'll look at the right-hand
25 column, if the 5.3-million-per-day allowable is granted, we

1 would have four wells that would be overproduced. If the
2 6.5 that we're proposing along with Chevron and Marathon is
3 granted, then we would only have two wells that would be
4 overproduced.

5 Q. All right. They would have the capacity to
6 overproduce?

7 A. Have the capacity to overproduce.

8 Q. Okay. Exhibit Number 4, identify and describe
9 that display.

10 A. Exhibit Number 4 is a production plot. It's in
11 MCF per day, gross volume over time, for our five wells
12 producing at Indian Basin Pool.

13 The down ticks in the curve indicate gas plant
14 down time, but the overall shape of the curve is in an
15 upward position. And it's to show that if the allowable
16 was cut, that we would have to significantly reduce these
17 volumes and bring this curve down. If the allowable were
18 granted at the level of 6.5, we would continue on with our
19 current production.

20 Q. Okay. In summary, what do you propose?

21 A. Oryx proposes that the allowable remain at the
22 6.5-million-per-day level and that the Commission grant the
23 adjustment proposed by Chevron.

24 MR. KELLAHIN: That concludes my examination of
25 Mr. Hall. We'll move the introduction of his Exhibits 1

1 through 4.

2 The last is a letter from Mr. Strickland, who is
3 here, and I'll call him for his comments in just a moment.

4 CHAIRMAN LEMAY: Any objection? If not, Exhibits
5 1 through 4 will be admitted into the record.

6 Questions of the witness?

7 Commissioner Carlson?

8 Commissioner Weiss?

9 COMMISSIONER WEISS: I have no questions.

10 CHAIRMAN LEMAY: Thank you very much. You may be
11 excused.

12 TOM STRICKLAND,

13 the witness herein, after having been first duly sworn upon
14 his oath, was examined and testified as follows:

15 DIRECT EXAMINATION

16 BY MR. KELLAHIN:

17 Q. Mr. Strickland, would you please state your name
18 and occupation?

19 A. My name is Tom Strickland. I'm currently
20 employed as a gas supply representative for Oryx Energy
21 Company in Dallas, Texas.

22 Q. Do your duties involve marketing your share of
23 the gas produced out of the Indian Basin Upper Penn Gas
24 Pool?

25 A. Yes, sir, my area of responsibility includes the

1 gas that is supplied through the Indian Basin Plant, and
2 I'm part of the marketing team that markets this gas.

3 Q. Have you testified before the Commission on prior
4 allowable hearings in your current capacity?

5 A. Yes, sir, I have.

6 MR. KELLAHIN: We tender Mr. Strickland as an
7 expert in gas marketing.

8 CHAIRMAN LEMAY: His qualifications are
9 acceptable.

10 Q. (By Mr. Kellahin) From your perspective, what do
11 you see about the gas market for Indian Basin in relation
12 to the allowables the operators seek to have maintained in
13 the pool?

14 A. Our position is very similar to what Robert Green
15 presented with Chevron. We agree that we are -- have the
16 ability to market all the gas in various regions that is
17 produced from this part of New Mexico. We have the ability
18 to take that gas to the West Coast, to the Midwest and to
19 the Texas Gulf Coast.

20 We currently market approximately 28,000 MCF a
21 day from the tailgate of Indian Basin Plant.

22 Q. What is your forecast for the demand for that gas
23 production for this next six-month period?

24 A. We don't anticipate any change in the demand for
25 that gas. We feel that we'll be able to sell everything

1 that we produce.

2 MR. KELLAHIN: That concludes my examination of
3 Mr. Strickland.

4 We move the admission of Exhibit Number 5.

5 CHAIRMAN LEMAY: Exhibit 5 into the record
6 without objection.

7 Questions? Mr. Carlson? Mr. Weiss? Anything
8 else of the witness?

9 COMMISSIONER WEISS: I have no questions.

10 CHAIRMAN LEMAY: I have no questions. Thank you.
11 You may be excused.

12 MR. KELLAHIN: I believe that concludes the
13 witnesses in the Indian Basin.

14 I have a statement from Marathon.

15 CHAIRMAN LEMAY: Why don't we take that now and
16 then we'll --

17 MR. KELLAHIN: Okay.

18 CHAIRMAN LEMAY: Marathon. Do you want to read
19 that or just --

20 MR. KELLAHIN: I'm going to paraphrase it.

21 CHAIRMAN LEMAY: -- for the record?

22 MR. KELLAHIN: Yes, sir, paraphrase it and then
23 put the letter in the record.

24 Mr. Chairman, Marathon has submitted for your
25 consideration -- it's a letter dated March 4th. It is a

1 statement of support for the continuation of the current
2 nonmarginal well allowable.

3 The operators, including Marathon, have agreed,
4 as was testified a while ago, to form a technical committee
5 to evaluate development techniques and rules governing the
6 pool in an attempt to optimize gas recovery. Marathon says
7 it's looking forward to working in unison with the other
8 operators in a cooperative effort to possibly unitize and
9 improve recovery from the field.

10 In the second to the last paragraph there is
11 specifics about the gas plant. That was also mentioned
12 earlier. You'll see the downslope on the production plots
13 from the Chevron wells. Chevron, as the operator of the
14 gas plant, tells you that there was downtime of the plant,
15 that affects all those wells, and they approximate that
16 probably four percent of the total producing time for the
17 1993 summer period that you were looking at represents
18 downtime. They forecast for you the fact that there will
19 be plant downtime of approximately seven days in June for
20 maintenance and upgrading.

21 Marathon says there's significant investment by
22 them and the other operators in improving the capacity of
23 the gas wells in the pool to produce. Marathon currently
24 operates one well. It has an interest in two Chevron-
25 operated wells that have the capacity to produce to or

1 greater than the maximum nonmarginal allowable, and they
2 ask that you continue this current level at least for the
3 next six-month period.

4 CHAIRMAN LEMAY: Thank you, Mr. Kellahin.

5 Is there anything else on the Indian Basin field?

6 COMMISSIONER CARLSON: I have a question.

7 If I remember correctly, a year or two ago
8 Marathon wanted higher allowables and Chevron was opposing
9 those allowables. I take it those conflicts between
10 Marathon and Chevron have been resolved and --

11 MR. KELLAHIN: I can't represent to you that they
12 have. All I can represent for you is that there's a
13 consensus for the next proration period that we would
14 maintain the allowables at the 6.5 daily producing rate on
15 the F1 factor.

16 CHAIRMAN LEMAY: Mr. Carr, would you concur?

17 MR. CARR: Yes, I concur on that statement.

18 CHAIRMAN LEMAY: Anyone not concur?

19 Would -- You say they're in agreement for this
20 six months, but you may not be for the -- six months from
21 now?

22 MR. KELLAHIN: Yes, sir.

23 CHAIRMAN LEMAY: Mr. Bruce, I think we're finally
24 ready for you. Sorry to -- We appreciate your patience.
25 Sorry you had to wait so long.

1 DONNA BAUER,
2 the witness herein, after having been first duly sworn upon
3 her oath, was examined and testified as follows:

4 DIRECT EXAMINATION

5 BY MR. BRUCE:

6 Q. Would you please state your name for the record?

7 A. My name is Donna Bauer. I'm an engineer with
8 Exxon in Midland, Texas.

9 Q. Have you previously testified before the
10 Commission?

11 A. No, I have not.

12 Q. What's your educational background?

13 A. I received a bachelor of science degree in
14 petroleum engineering from the University of Missouri at
15 Rolla in 1984, and I've been employed with Exxon since
16 1985.

17 Q. And in what part of Exxon in particular?

18 A. I work in the environmental and regulatory
19 affairs group.

20 Q. Are you familiar with production from the Tubb
21 Pool?

22 A. Yes, I am.

23 Q. And also the nonmarginal wells in that pool?

24 A. Yes, I am.

25 Q. And have you prepared some exhibits with an eye

1 toward making a recommendation regarding the allowable in
2 the Tubb Pool?

3 A. Yes, I have.

4 MR. BRUCE: Mr. Chairman, are the witness's
5 credentials acceptable?

6 CHAIRMAN LEMAY: Qualifications are acceptable.

7 Q. (By Mr. Bruce) Right off the bat, what does
8 Exxon request regarding the Tubb Pool?

9 A. Exxon requests the allowable for the Tubb Pool to
10 increase by approximately 42,000 MCF per month.

11 Q. What is the basis for this request? And I'll
12 refer you to Exxon Exhibit Number 1.

13 A. As you can see on Exhibit Number 1, the pool
14 allowable for the Tubb is approximately 294,000 per month
15 for the time period for April, 1993, through September,
16 1993, a year ago. That allowable is approximately equal to
17 the allowable proposed for this time period.

18 However, if you'll note, last year the
19 nonmarginal allowable was approximately 129,000 per month,
20 which is approximately -- which equates to a monthly
21 acreage allocation factor of 13,580 per month for each
22 nonmarginal well. We ask the Commission to add to the
23 allowable for the pool so that the nonmarginal wells will
24 again have an allocation factor of approximately 13,500 for
25 this time period. That means an adjustment, backing into

1 it, of 42,000 MCF per month.

2 Q. Would you identify Exhibit 2 and describe its
3 contents for the Commission?

4 A. Exhibit 2 is a spreadsheet that shows the
5 nonmarginal wells within the Tubb Oil and Gas Pool. The
6 upper portion, from the Amoco State Number 6 through the
7 Exxon New Mexico S 23, represents the wells that are
8 nonmarginal under the current -- during this current time
9 period.

10 The well listed at the bottom, the Exxon Hardison
11 B 5, is a well that Exxon recently reclassified from oil to
12 gas, which we believe will be a nonmarginal well in this
13 upcoming time period.

14 Q. What will happen if the allowable is maintained
15 -- or the nonmarginal allowable is maintained at the 89,000
16 figure?

17 A. If the current level is maintained at about
18 89,000, the monthly allowable would be approximately 9205,
19 will be the acreage factor allocation. As you can see,
20 that would -- It's about a third lower than this time
21 period last year.

22 Q. And would a number of wells be curtailed as a
23 result?

24 A. Yes, they would. If you look on Exhibit 2 at the
25 column that says "9205 times Acreage Factor", the asterisks

1 off to the side represent the wells that have production
2 capability in excess of that allowable. So several wells
3 would be curtailed.

4 Q. Some of the -- Under your proposal, then, for
5 13,500, some of the nonmarginal wells could potentially
6 become marginal; is that correct?

7 A. That is correct. If that happens, it is possible
8 the extra 42,000 MCF per month may not be realized.

9 Q. Okay. And what does the final column on your
10 Exhibit 2 show?

11 A. The final column represents the incremental value
12 to Exxon -- we've just listed it to Exxon in this
13 exhibit -- increasing the allowable for the pool by the
14 requested 42,000 MCF per month.

15 You can see that equates in the six-month period
16 at a gas price of \$1.80 per MCF. That represents almost
17 \$91,000 of additional income over that time period.

18 Q. And what does Exhibit 3 represent?

19 A. Exhibit 3 is a plat of the Tubb Oil and Gas Pool.
20 You'll see highlighted in yellow are the Exxon leases, and
21 the green dots represent the nonmarginal wells for this
22 time period, the 11 nonmarginal wells.

23 Q. They're scattered pretty well throughout the
24 pool, are they not?

25 A. That's correct.

1 Q. And so this would benefit operators in addition
2 to Exxon?

3 A. Yes, it would.

4 Q. Now, referring to your Exhibit 4, is the
5 requested increase in the allowable out of line with past
6 production?

7 A. There is a general increase in production from
8 the Tubb Oil and Gas Pool, so it is an increasing trend.

9 Q. And is there a market for the gas?

10 A. Yes, there is. In fact, some of our purchasers
11 have indicated to us that they would be willing to take as
12 much additional gas as we could provide to them. There are
13 four gas plants in the area. Finding a market is not a
14 problem.

15 Q. Now, even with the increase, the allowable for
16 the Tubb Pool is still quite low, is it not?

17 A. Yes, it is, especially when compared to other oil
18 and gas pools, prorated pools, within the southeast
19 section.

20 Q. It's probably one of the lowest of the prorated
21 pools, is it?

22 A. It is the lowest.

23 Q. And as we said, there are -- I think, looking
24 back at your Exhibit 2, other operators will benefit from
25 the increase in the allowable proposed by Exxon?

1 A. Yes. In fact, Chevron, Marathon, Mobil, Shell,
2 J.R. Cone, all have wells that would be allowable-limited
3 with the proposed -- with what the Commission has
4 originally drafted. So all of those operators would see
5 benefits from a 42,000-MCF-per-month increase.

6 Q. In your opinion, is the granting of Exxon's
7 request for the Tubb Pool in the interests of conservation
8 and the prevention of waste?

9 A. Yes, it is.

10 Q. And were Exhibits 1 through 4 prepared by you or
11 under your direction?

12 A. Yes, they were.

13 MR. BRUCE: Mr. Chairman, I move the admission of
14 Exhibits 1 through 4.

15 CHAIRMAN LEMAY: Without objection, Exhibits 1
16 through 4 will be admitted into the record.

17 Questions of the witness?

18 Were you through? I'm sorry.

19 MR. BRUCE: Yes.

20 CHAIRMAN LEMAY: Gary?

21 EXAMINATION

22 BY COMMISSIONER CARLSON:

23 Q. Have you contacted the other operators?

24 A. I personally have not, no.

25 Q. Has anybody within Exxon?

1 A. Not to my knowledge.

2 Q. So we don't know if they're all for this request
3 or --

4 A. I don't know if they are or not. I have not had
5 any contacts with them, and I did not ask our gas marketing
6 people if they had had any contacts with them.

7 COMMISSIONER CARLSON: That's all I --

8 THE WITNESS: They do see additional benefits,
9 though, or they should.

10 Q. (By Commissioner Carlson) Some of them do?

11 A. Some of them.

12 COMMISSIONER CARLSON: That's all I have.

13 CHAIRMAN LEMAY: Commissioner Weiss?

14 COMMISSIONER WEISS: I have no questions.

15 CHAIRMAN LEMAY: I have none. Thank you very
16 much.

17 MR. BRUCE: That's all I have, Mr. Chairman.

18 CHAIRMAN LEMAY: You may be excused.

19 Are there any other statements concerning the
20 proration hearing. Any other witnesses? Anything else?

21 We'll take the case under advisement.

22 (Thereupon, these proceedings were concluded at
23 12:31 p.m.)

24 * * *

25

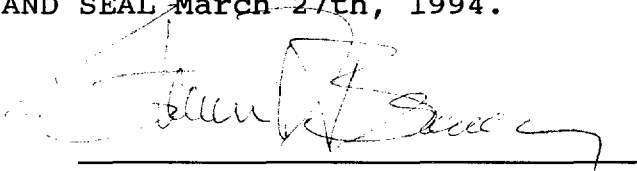
CERTIFICATE OF REPORTER

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

I, Steven T. Brenner, Certified Court Reporter
and Notary Public, HEREBY CERTIFY that the foregoing
transcript of proceedings before the Oil Conservation
Commission was reported by me; that I transcribed my notes;
and that the foregoing is a true and accurate record of the
proceedings.

I FURTHER CERTIFY that I am not a relative or
employee of any of the parties or attorneys involved in
this matter and that I have no personal interest in the
final disposition of this matter.

WITNESS MY HAND AND SEAL March 27th, 1994.



STEVEN T. BRENNER
CCR No. 7

My commission expires: October 14, 1994