

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

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

EXAMINER HEARING

IN THE MATTER OF:

Continued and Dismissed Cases

Case No. 9961,	Case No. 10029,	Case No. 10030,	Case No. 10039
Case No. 10031,	Case No. 10036,	Case No. 10037,	Case No. 10040
Case No. 10038,	Case No. 10017,	Case No. 10019,	Case No. 8350
Case No. 10020,	Case No. 10021,	Case No. 10022,	Case No. 10024
Case No. 10025,	Case No. 10008,	Case No. 10043,	Case No. 10044
Case No. 9997,	Case No. 9995	Case No. 10045,	Case No. 10046
			Case No. 10047

TRANSCRIPT OF PROCEEDINGS

BEFORE: MICHAEL E. STOGNER, EXAMINER

STATE LAND OFFICE BUILDING

SANTA FE, NEW MEXICO

August 8, 1990

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

A P P E A R A N C E S

FOR THE DIVISION:

ROBERT G. STOVALL  
Attorney at Law  
Legal Counsel to the Division  
State Land Office Building  
Santa Fe, New Mexico 87501

FOR THE APPLICANT:  
Cases 10038, 9997,  
10021

W. THOMAS KELLAHIN  
Kellahin, Kellahin & Aubrey  
Post Office Box 2265  
Santa Fe, New Mexico 87504

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

P R O C E E D I N G S

HEARING EXAMINER: This hearing will come to order for Docket No. 2290. Today's date August 8, 1990. I am Michael E. Stogner, appointed hearing officer for today's cases. Before we get started today I'll go through the continued and dismissed cases.

Call first Case No. 9961.

MR. STOVALL: Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant requests this case be dismissed.

HEARING EXAMINER: Case No. 9961 will be dismissed.

\* \* \* \* \*

HEARING EXAMINER: Call next case, No. 10029.

MR. STOVALL: Application of Giant Exploration and Production Company for compulsory pooling, San Juan County, New Mexico. Applicant requests this case be dismissed.

HEARING EXAMINER: Case No. 10029 will be dismissed.

\* \* \* \* \*

HEARING EXAMINER: Call next case, No. 10030.

MR. STOVALL: Application Nearburg Producing Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant requests this case be dismissed.

HEARING EXAMINER: Call next case -- I am sorry, case No. 10030 will be dismissed.

\* \* \* \* \*

1 HEARING EXAMINER: Call next case, No. 10031.

2 MR. STOVALL: Application of Nearburg Producing  
3 Company for a non-standard oil proration unit, Eddy County, New  
4 Mexico. Applicant requests this case be continued to August  
5 22nd, 1990.

6 HEARING EXAMINER: Case No. 10031 will be continued  
7 to the examiner's hearing scheduled for August 22nd, 1990.

8 \* \* \* \* \*

9 HEARING EXAMINER: Next page, call next case,  
10 No. 10036.

11 MR. STOVALL: Application of Texaco, Inc. for  
12 amendment of Division Order No. R-8170 to establish a minimum  
13 gas allowable for the Eumont Gas Pool, Lea County, New Mexico.  
14 Applicant requests this case be continued to September 5th,  
15 1990.

16 HEARING EXAMINER: Case No. 10036 will be continued  
17 to examiner's hearing scheduled for September 5, 1990.

18 \* \* \* \* \*

19 HEARING EXAMINER: Call next case, No. 10037.

20 MR. STOVALL: Application of BTA Oil Producers for  
21 salt water disposal Lea County, New Mexico. Applicant requests  
22 this case be dismissed.

23 HEARING EXAMINER: Case No. 10037 will be dismissed.

24 \* \* \* \* \*

25 HEARING EXAMINER: Call next case, No. 10038.

1 MR. STOVALL: Application of Nassau Resources, Inc.  
2 for infill drilling in the Basin-Fruitland Coal Gas Pool on its  
3 Carracas Canyon Unit, Rio Arriba County, New Mexico. I believe  
4 Mr. Kellahin would like to enter an appearance.

5 HEARING EXAMINER: Mr. Kellahin.

6 MR. KELLAHIN: Mr. Examiner, I represent the  
7 applicant in this case. And on behalf of the applicant we'd  
8 request this case be continued to the hearing on August 22nd.

9 HEARING EXAMINER: Thank you, Mr. Kellahin. Case  
10 No. 10038 will be so continued to examiner's hearing scheduled  
11 for August 22nd, 1990.

12 \* \* \* \* \*

13 HEARING EXAMINER: Call next case, No. 10017.

14 MR. STOVALL: Application of Meridian Oil, Inc. for  
15 unorthodox coal gas well location, San Juan County, New Mexico.  
16 Applicant requests this case be dismissed.

17 HEARING EXAMINER: Case No. 10017 will be dismissed.

18 \* \* \* \* \*

19 HEARING EXAMINER: Call next case, No. 10019.

20 MR. STOVALL: Application of Meridian Oil, Inc. for  
21 an unorthodox coal gas well location, San Juan County, New  
22 Mexico. Applicants request this case be dismissed.

23 HEARING EXAMINER: Case number 10019 will be  
24 dismissed.

25 \* \* \* \* \*

1 HEARING EXAMINER: Call next case, No. 10020.

2 MR. STOVALL: Application of Meridian Oil, Inc. for  
3 unorthodox coal gas well location, San Juan County, New Mexico.  
4 Applicants request this case be dismissed.

5 HEARING EXAMINER: Case No. 10020 will be dismissed.

6 \* \* \* \* \*

7 HEARING EXAMINER: Call next case, No. 10021.

8 MR. STOVALL: Application of Meridian Oil, Inc. for  
9 unorthodox coal gas well location, San Juan County, New Mexico.  
10 This case is required to be readvertised and continued to  
11 August 22nd, 1990.

12 HEARING EXAMINER: Case No. 10021 will be continued  
13 and readvertised for the examiner's hearing scheduled for  
14 August 22nd, 1990.

15 \* \* \* \* \*

16 HEARING EXAMINER: Call next case, No. 10022.

17 MR. STOVALL: Application of Meridian Oil, Inc. for  
18 an unorthodox coal gas well location, San Juan County, New  
19 Mexico. Applicant requests this case be dismissed.

20 HEARING EXAMINER: Case No. 10022 will be dismissed.

21 \* \* \* \* \*

22 HEARING EXAMINER: I'll call next case, No. 10039.

23 MR. STOVALL: Application of Meridian Oil, Inc. for  
24 an unorthodox coal gas well location, Rio Arriba County, New  
25 Mexico. Applicant requests this case be continued to September

1 5, 1990.

2 HEARING EXAMINER: Case No. 10039 will be continued  
3 to the examiner's hearing scheduled for September 5th, 1990.

4 \* \* \* \* \*

5 HEARING EXAMINER: Call next case, No. 10040.

6 MR. STOVALL: Application of Meridian Oil, Inc. for  
7 an unorthodox coal gas well location, Rio Arriba County, New  
8 Mexico. Applicants request this case be continued to September  
9 5th, 1990.

10 HEARING EXAMINER: Case No. 10040 will be so  
11 continued.

12 \* \* \* \* \*

13 HEARING EXAMINER: Call next case, which is reopen  
14 Case No. 8350.

15 MR. STOVALL: In the matter of Case 8350 being  
16 reopened pursuant to the provisions of Commission Order No.  
17 R-7745, which order promulgated temporary special rules and  
18 regulations for the Gavilan Greenhorn-Graneros-Dakota Oil Pool  
19 in Rio Arriba County, including a provision for 320-acre  
20 spacing units. This case is requested to be continued to  
21 August 22nd, 1990.

22 HEARING EXAMINER: Said Case No. 8350, which is  
23 reopened, will be continued to examiner's hearing scheduled for  
24 August 22nd, 1990.

25 \* \* \* \* \*

1 HEARING EXAMINER: I'll call next cases, 10043  
2 through 10047.

3 MR. STOVALL: 10043 -- each of these cases is an  
4 application of D. J. Simmons Company for compulsory pooling in  
5 San Juan County, New Mexico. And the applicant has requested  
6 that each of these cases be continued to August 22nd, 1990.

7 HEARING EXAMINER: Each of these cases will be  
8 continued to the examiner's hearing scheduled for August 22nd,  
9 1990.

10 \* \* \* \* \*

11 HEARING EXAMINER: On the fifth page, I'll call next  
12 case, No. 10024.

13 MR. STOVALL: Application of Meridian Oil, Inc. for  
14 unorthodox coal gas well location San Juan County, New Mexico.  
15 Applicant requests this case be dismissed.

16 HEARING EXAMINER: Case No. 10024 will be dismissed.

17 \* \* \* \* \*

18 HEARING EXAMINER: Call next case, No. 10025.

19 MR. STOVALL: Application of McKenzie Methane  
20 Corporation for an unorthodox coal gas well location, San Juan  
21 County, New Mexico. Applicant requests this case be dismissed.

22 HEARING EXAMINER: Case No. 10025 will be dismissed.

23 \* \* \* \* \*

24 HEARING EXAMINER: Call next case, No. 10008.

25 MR. STOVALL: Application of Doyle Hartman for a

1 non-standard gas proration unit, compulsory pooling, and an  
2 unorthodox gas well location, Lea County, New Mexico.  
3 Applicant requests this case be continued to September 5, 1990.

4 HEARING EXAMINER: Case No. 10008 will be so  
5 continued. The next thing we will --

6 MR. KELLAHIN: Mr. Examiner, I have one further case  
7 to continue.

8 HEARING EXAMINER: Yes, Mr. Kellahin.

9 MR. KELLAHIN: Turn back to page number two, it's  
10 the TXO case, 9997.

11 HEARING EXAMINER: Case No. 9997. Yes, sir.

12 MR. KELLAHIN: I represent the Applicant in that  
13 case. And on behalf of the Applicant we request it be  
14 continued to August 22nd.

15 HEARING EXAMINER: Thank you, Mr. Kellahin. Said  
16 Case No. 9997 be continued to the examiner's hearing scheduled  
17 for August 22nd, 1990.

18 \* \* \* \* \*

19 MR. KELLAHIN: May I ask a point of clarification on  
20 one of the Meridian cases, the one that had to be readvertised?

21 HEARING EXAMINER: Yes, sir. What's that case  
22 number?

23 MR. KELLAHIN: Case 10021.

24 HEARING EXAMINER: 10021. Okay.

25 MR. KELLAHIN: I represent the Applicant in that

1 case. Mr. Bruce represented the opponent and has withdrawn his  
2 opposition. And we were proposing to have the case dismissed  
3 and returned to the examiner for administrative processing.

4 HEARING EXAMINER: Yes, Mr. Kellahin.

5 MR. KELLAHIN: Is that something we can accomplish  
6 without readvertising it for a hearing?

7 HEARING EXAMINER: Mr. Kellahin, I was in receipt,  
8 and you'll be getting a correspondence from me concerning that.  
9 I do not have it with me. Evidently it has not been typed  
10 today. I am referring back to a correspondence to you from me  
11 on July 20, 1990 in response to your letter of July 19, 1990,  
12 wishing it to be readvertised from the south half east half  
13 dedication. That was done pursuant to our correspondence  
14 yesterday. And in light of that you will be getting a  
15 correspondence from me requesting some additional information  
16 for the administrative application which it can still be done  
17 administratively. But because the administrative application  
18 was for the lay down south half south half and you wish to  
19 reorient the east half there was some additional notification  
20 that needed to be done for the administrative application.

21 MR. KELLAHIN: Is the intent then to readvertise it  
22 on this docket to satisfy the change for the proration unit in  
23 order to return it for administrative processing?

24 HEARING EXAMINER: No, sir, Mr. Kellahin. The  
25 process has already been done. Advertisements have been sent

1 out for the 22nd. It's already on the docket. But it's our  
2 intention to dismiss it at that time.

3 MR. KELLAHIN: Thank you.

4 HEARING EXAMINER: If there is no additional  
5 problems with the admitted administrative application which I  
6 requested from Meridian. You should be getting that letter  
7 today. In fact after -- at some recess we'll get with my  
8 secretary.

9 MR. KELLAHIN: That clarifies what was happening. I  
10 appreciate it. Thank you.

11 HEARING EXAMINER: I apologize for yesterday. By  
12 the time we got around to that it was a little late.

13 MR. KELLAHIN: That's all right.

14 \* \* \* \* \*

15 HEARING EXAMINER: Okay. Call next case, No. 9995.

16 MR. STOVALL: Application of Sendero Petroleum, Inc.  
17 for compulsory pooling, Eddy County, New Mexico.

18 HEARING EXAMINER: At the Applicant's request,  
19 Mr. Stovall, this case is going to be continued to the  
20 examiner's hearing scheduled for August 22nd, 1990.

21 \* \* \* \* \*

22 I do hereby certify that the foregoing is  
23 a complete record of the proceedings in  
24 the Examiner hearing of Case No. 10036,  
heard by me on 8 August 1990.

25 Michael E. Stogor, Examiner  
Oil Conservation Division



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

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco, Inc., Case 10036  
for amendment of Division  
Order No. R-8170, as amended,  
to establish a minimum gas  
allowable for the Eumont Gas  
Pool, Lea County, New Mexico

TRANSCRIPT OF PROCEEDINGS

BEFORE: DAVID R. CATANACH, EXAMINER

STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO  
September 19, 1990

**ORIGINAL**

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

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

FOR THE DIVISION:           ROBERT G. STOVALL  
                                  Attorney at Law  
                                  Legal Counsel to the Divison  
                                  State Land Office Building  
                                  Santa Fe, New Mexico

FOR APPLICANT and           CAMPBELL & BLACK, P.A.  
CHEVRON USA, INC.:         Attorneys at Law  
                                  Post Office Box 2208  
                                  Santa Fe, New Mexico 87504  
                                  BY: WILLIAM F. CARR, ESQ.

FOR CONOCO, INC.           KELLAHIN, KELLAHIN & AUBREY  
and MARATHON OIL         Attorneys at Law  
COMPANY:                   117 N. Guadalupe  
                                  Santa Fe, New Mexico 87504  
                                  BY: W. THOMAS KELLAHIN, ESQ.

FOR DOYLE HARTMAN:         THE GALLEGOS LAW FIRM  
                                  Attorneys at Law  
                                  141 East Palace Avenue  
                                  Santa Fe, New Mexico 87501  
                                  BY: JOANNE REUTER, ESQ.

FOR EL PASO                 MONTGOMERY & ANDREWS, P.A.  
NATURAL GAS COMPANY:     Attorneys at Law  
                                  P.O. Box 2307  
                                  Santa Fe, New Mexico 87504-2307  
                                  BY: W. PERRY PEARCE, ESQ.

FOR GAS COMPANY           PAUL MOLLO  
OF NEW MEXICO:

## I N D E X

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

1 HEARING EXAMINER: At this time we'll call  
2 Case 10036, Application of Texaco, Inc., for amendment  
3 of Division Order No. R-8170, as amended, to establish  
4 a minimum gas allowable for the Eumont Gas Pool, Lea  
5 County, New Mexico.

6 Appearances in this case?

7 MR. CARR: May it please the Examiner, my  
8 name is William F. Carr with the law firm of Campbell  
9 & Black P.A., of Santa Fe. We represent the  
10 Applicant, Texaco, Inc. We also enter our appearance  
11 for Chevron, USA, Inc.

12 HEARING EXAMINER: Other appearances?

13 MR. KELLAHIN: Mr. Examiner, I'm Tom  
14 Kellahin of the Santa Fe law firm of Kellahin,  
15 Kellahin & Aubrey, appearing on behalf of Conoco,  
16 Inc., and Marathon Oil Company, in support of the  
17 Applicant.

18 HEARING EXAMINER: Other appearances?

19 MR. MOLLO: I'm Paul Mollo, Gas Company of  
20 New Mexico, and I'd like to read a letter that was  
21 written by David Kirkland, our Manager of Production  
22 Control.

23 HEARING EXAMINER: I'm sorry, your name,  
24 sir?

25 MR. MOLLO: Paul Mollo.

1 MS. REUTER: Mr. Examiner, I'm Joanne  
2 Reuter of the Gallegos law firm of Santa Fe, New  
3 Mexico, and I represent Doyle Hartman who is in  
4 support of the application.

5 MR. PEARCE: Mr. Examiner, I'm W. Perry  
6 Pearce of the Santa Fe office of the law firm of  
7 Montgomery & Andrews, appearing in this matter on  
8 behalf of El Paso Natural Gas Company.

9 HEARING EXAMINER: Anybody else?  
10 Witnesses? Mr. Carr, how many witnesses do you have?

11 MR. CARR: I have two witnesses.

12 HEARING EXAMINER: Ms. Reuter, how many  
13 witnesses do you have?

14 MS. REUTER: One witness.

15 HEARING EXAMINER: Mr. Kellahin?

16 MR. KELLAHIN: One, sir.

17 HEARING EXAMINER: Mr. Pearce, any  
18 witnesses?

19 MR. PEARCE: None, Mr. Examiner.

20 HEARING EXAMINER: Thank you. Could I get  
21 all the witnesses at this time to please stand?

22 (Witnesses sworn.)

23 MR. CARR: May it please the Examiner,  
24 there are copies of Texaco's exhibits here in the box  
25 if anybody is interested in having a copy.

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

4                                   DIRECT EXAMINATION

5 BY MR. CARR:

6           Q.       Will you state your full name for the  
7 record, please.

8           A.       My name is Robert E. Hart.

9           Q.       Mr. Hart, where do you reside?

10          A.       In Hobbs, New Mexico.

11          Q.       By whom are you employed and in what  
12 capacity?

13          A.       I'm employed by Texaco, Inc., as a  
14 production engineer.

15          Q.       Have you previously testified before the  
16 New Mexico Oil Conservation Division?

17          A.       Yes, sir, I have.

18          Q.       At the time of that prior testimony, were  
19 your credentials as a production engineer accepted and  
20 made a matter of record?

21          A.       Yes, sir.

22          Q.       Are you familiar with the application filed  
23 in this case on behalf of Texaco Inc.?

24          A.       Yes, I am.

25          Q.       Have you studied the production history of

1 the Eumont Gas Pool?

2 A. Yes.

3 Q. Are you familiar with the allowables for  
4 the Eumont Pool and recent changes in these  
5 allowables?

6 A. Yes, sir.

7 Q. Have you previously testified for Texaco at  
8 the monthly allowable hearings?

9 A. Yes, sir, I testified in November and  
10 December of 1989 and then again in April of 1990 at  
11 the monthly gas proration hearing where we were  
12 applying for increased allowables in the Eumont field.

13 MR. CARR: Mr. Catanach, are the witness's  
14 qualifications acceptable?

15 HEARING EXAMINER: They are.

16 Q. (BY MR. CARR) Mr. Hart, would you briefly  
17 state what Texaco seeks with this application?

18 A. Texaco seeks the establishment of a minimum  
19 allowable equivalent to 600 Mcf per day for an acreage  
20 factor of 1 in the Eumont Yates Seven Rivers Queen Gas  
21 Pool. We request that minimum allowable for a period  
22 of three years, at which time the Commission would  
23 reopen the case, evaluate it, and make any adjustments  
24 necessary.

25 Q. When was Eumont Pool created?

1           A.       The pool was created February 17, 1953.

2           Q.       Would you refer to page 1 in Exhibit No. 1,  
3 which is the three-ring binder with the Texaco logo,  
4 and identify what the first page is.

5           A.       Yes, sir. This is a plat of the Eumont Gas  
6 Field, the shaded area being the Eumont Pool or what  
7 is defined as the Eumont Pool itself. It's  
8 approximately 179 square miles, located in Lea County,  
9 New Mexico, and that's the northernmost northeast  
10 boundary is approximately nine miles southwest of  
11 Hobbs.

12          Q.       How many acreage factors are there in the  
13 pool at this time?

14          A.       There's just a little over 400.

15          Q.       What are the vertical limits of the pool?

16          A.       The vertical limits of the pool extend from  
17 the top of the Yates formation to the bottom of the  
18 Queen formation, thereby entailing all of the Yates,  
19 Seven Rivers, and Queen formations.

20          Q.       Let's go to page 2 in this exhibit, and I  
21 would ask you first to identify what this is.

22          A.       Page 2 is a plot of field allowable and  
23 production for the Eumont Yates Seven Rivers Queen.  
24 What you can see from this plot is, number one, that  
25 current allowables are lower than historical

1 allowables have been. And by that I mean allowables  
2 in the early 1980's.

3           You can also see tremendous fluctuations in  
4 the allowable in this field, and that has destroyed  
5 operator confidence in committing funds to invest in  
6 this field.

7           Q.       When we look at the exhibit, the period in  
8 and about 1980, approximately what was the allowable  
9 rate?

10          A.       Approximately 600 Mcf per day for an  
11 acreage factor of 1.

12          Q.       If we go to the 1990 portion of the graph,  
13 you can see that the allowable line runs above the  
14 production line. Can you explain the discrepancy in  
15 those two lines?

16          A.       Yes, sir. When we asked for administrative  
17 adjustments, which were granted in January, February,  
18 and March of this year, allowable at that time was  
19 being assigned to wells that could not produce it, and  
20 that's why there's a very large gap between the  
21 allowable and production.

22                 But I would note on this plot also that  
23 July production, as indicated by the last point on the  
24 blue curve, has in fact gone above allowable for that  
25 month and is on the rise.

1 Q. How does the July production figure compare  
2 with recent production from the pool? How does it  
3 compare to prior peak months in recent years?

4 A. If I could, I'd like to address that on a  
5 later.

6 Q. Let's go then to Exhibit 2, and I'd ask you  
7 to review that. I'm sorry, the next page, which is  
8 page 3 in Exhibit No. 1.

9 A. Page 3 is a plot of total field and  
10 nonmarginal acreage factors for the Eumont Yates Seven  
11 Rivers Queen. The red line indicates total field  
12 acreage factors, and, of course, the green line  
13 indicates nonmarginal acreage factors.

14 Q. What does this show?

15 A. If you'll look at the nonmarginal acreage  
16 factors, you can see that in mid-1983, there was a  
17 tremendous increase in those nonmarginal acreage  
18 factors, and that was as a direct result of decreased  
19 allowables in the field. And that trend continued  
20 until about 1988, where it started on the decline.

21 I would note that as a result of  
22 administrative adjustments, which resulted in the 600  
23 a day increased allowable for five months out of this  
24 year, we've seen an acceleration in the decrease of  
25 nonmarginal wells in the field. And we're trending

1 back to a situation where allowable is again being  
2 assigned to those wells that can produce it.

3 Q. Okay, Mr. Hart, let's now go to page 4 of  
4 this exhibit. Identify this and review it for Mr.  
5 Catanach.

6 A. Page 4 is a graph of normalized nonmarginal  
7 production and allowable, and by that I mean that it  
8 is put on an acreage factor basis. This takes out any  
9 effects in the increase or decrease of the number of  
10 nonmarginal wells in the field.

11 Q. What you've done here is take the allowable  
12 and divide it by the number of acreage factors; is  
13 that correct?

14 A. By the number of nonmarginal acreage  
15 factors, yes.

16 Q. Would you review the exhibit?

17 A. Basically the same conclusions can be drawn  
18 or some of the same conclusions can be drawn from this  
19 page as the previous field page. Allowables are much  
20 lower now than they were in the early 1980's. A large  
21 fluctuation in allowables has again destroyed operator  
22 confidence.

23 And there is a few things that I would like  
24 to point out about the end production point on this,  
25 that being July production.

1           Number one, it in fact on a per-acreage-  
2 factor basis did exceed the allowable for that month.  
3 And not only did it exceed it, July production was in  
4 fact higher -- on a per-acreage basis, higher than it  
5 had been in four years, as you can see from the plot.

6           And I would add also that not only was this  
7 production higher, it occurred in a historically low  
8 production month.

9           In other words, July production on an  
10 acreage factor basis exceeded, say, January  
11 production, which is a typically high production month  
12 in both 1990 and 89, 88, and 87.

13           Q.     Let's go now to page 5 of this exhibit.

14           A.     Page 5 is a graph of nonmarginal and  
15 marginal production. And the conclusions or the  
16 trends that we can see here is that in the early  
17 1980's, when allowables were high, marginal production  
18 was the majority production in the field. As  
19 allowables dropped, the number of nonmarginal acreage  
20 factors increased. And you see in 1986, that trend  
21 actually reversed to where nonmarginal production was  
22 a greater portion of the production in the field.

23           The significance of that is that,  
24 obviously, a typical Eumont well is not -- doesn't  
25 have the deliverability now that it did in the early

1 1980's, but as a result of the reclassifications to  
2 nonmarginal, that nonmarginal production became the  
3 majority of the production in the field.

4 But as a result of the administrative  
5 adjustments, in other words, the increase to 600 Mcf a  
6 day granted by the OCD in five months of this year, we  
7 have seen a number of reclassifications, and that  
8 trend has again reversed.

9 Q. Let's move on now. Let's go to page 6 of  
10 this exhibit. Would you identify this for the  
11 examiner.

12 A. Page 6 is a brief Eumont Yates Seven Rivers  
13 Queen pool history. We indicated before that the pool  
14 was created on February 17, 1953, and numerous  
15 amendments changing pool boundaries has occurred since  
16 that time. Again, the vertical limits extend from the  
17 top of the Yates to the bottom of the Queen  
18 formations.

19 Then in January 1 of 1954, proration became  
20 effective.

21 Q. When did Texaco first become concerned  
22 about the allowable rate in the Eumont Gas Pool?

23 A. We became concerned in approximately  
24 September or October of 1989.

25 Q. Could you, proceeding on with page 6 of

1 this exhibit, review for Mr. Catanach the events which  
2 have occurred since that date which result in today's  
3 hearing?

4 A. Yes, sir. As a result of concern about  
5 allowables, Texaco presented testimony at the November  
6 15, 1989, gas proration hearing in which we were  
7 asking for increased allowables in the Eumont field.  
8 As a result of that testimony, no increase was granted  
9 at that time.

10 We again testified on December 13, 1989,  
11 and at that time we presented as exhibits ballots from  
12 90 percent of the operators in the field supporting  
13 our proposal. As a result of that testimony and the  
14 submitted ballots, we did receive an allowable  
15 equivalent to 600 Mcf per day for the months of  
16 January, February, and March of 1990.

17 Then in April of 1990, allowables were  
18 decreased for nonmarginal acreage factor to a level  
19 approximately 240 Mcf per day. At that time Texaco,  
20 as well as several other operators, met with OCD  
21 officials here in Santa Fe, and it was determined at  
22 that meeting that the operators try to come up with a  
23 minimum allowable for the field.

24 Then on May 9, 1990, an operator meeting  
25 was held in Hobbs, and at that meeting it was

1 determined that Texaco should send out ballots to  
2 gather data supporting our application or supporting a  
3 minimum allowable proposal.

4           Then on July 12, 1990, we presented the  
5 findings of that survey to the OCD officials. And it  
6 was determined at that time that we should bring this  
7 application before an examiner hearing.

8           Q.     That's why you're here today?

9           A.     Yes, sir.

10          Q.     Let's go to page 7 of the exhibit, and  
11 would you just identify what this shows?

12          A.     Page 7 is an operator's ownership survey,  
13 and what this does is list all the operators in the  
14 Eumont field alphabetically. There's 41 of them. And  
15 it also lists the percent of acreage factors that they  
16 operate. And it's broken out by total field acreage  
17 factors and then also broken out by marginal and  
18 nonmarginal acreage factors.

19          Q.     If we go to page 8, that's just a graphic  
20 presentation of the information on page 7?

21          A.     Yes, sir, it is. It just makes it a little  
22 easier to identify who operates what. The red bar is  
23 the percent of total field. The blue bar is the  
24 percent of marginal acreage factors. And, of course,  
25 the green bar is the percent of nonmarginal acreage

1 factors.

2 Q. Mr. Hart, could you review for Mr. Catanach  
3 how the proposed 600 Mcf per day figure for a three  
4 year period of time was actually derived?

5 A. Yes, sir. That was derived from surveys  
6 sent out as determined at the May 9th operator  
7 meeting. We took the responses to that survey and  
8 averaged those values and came up with a 600 Mcf per  
9 day minimum allowable for a period of three years.

10 Q. If you could go to page 9 of this exhibit  
11 and identify what this is, please.

12 A. This is the operator's survey summary.  
13 Basically what this is is just listing in a tabular  
14 form the responses that we received back from  
15 operators.

16 The first column is the particular  
17 operators recommended minimum allowable. The second  
18 column represents drilling and completion costs. And  
19 the third column represents gas price.

20 And I would point out that the fifth  
21 response down, the \$1.51, that was actually given in  
22 MMBtu, and, as well, the seventh response down, the  
23 \$1.29, was also given in MMBtu, but the impact of  
24 that, it changes those particular answers about 10  
25 percent, which translates to a two or three cent

1 increase in the gas price when averaged in.

2 Q. So the gas price, although it's reflected  
3 at the top as being in dollars per Mcf, it is  
4 distorted by those two numbers which would result in  
5 perhaps a two-cent change in the bottom figure?

6 A. Yes, sir.

7 Q. Would that in any way affect the  
8 conclusions which come from your work on the Eumont  
9 Pool?

10 A. No, it would not.

11 Q. If we go to risk factor, you've got a risk  
12 factor average of 68.5 and an asterisk after that?

13 A. Um-hm.

14 Q. Could you explain -- the asterisk indicates  
15 that the responses were corrected. Could you explain  
16 how that was done?

17 A. Yes, sir. These responses were corrected  
18 to a percent chance of success. If you'll look at,  
19 for example, the third response down, it says 15 to  
20 20. We talked to Chevron, and they indicated that  
21 that actually meant an 80 to 85 percent chance of  
22 success for drilling a well.

23 Q. It's also got some 200 percent numbers.  
24 What do those actually indicate?

25 A. Those actually indicate a 50 percent chance

1 of success.

2 Q. At 200 percent risk or a 50 percent chance  
3 of success?

4 A. Yes, sir.

5 Q. So what you have done is corrected those to  
6 get your average figure of 68.5?

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

8 Q. So if we go through this exhibit, you've  
9 got a recommended minimum allowable average of 561.  
10 It was on that basis that you requested the 600  
11 minimum allowable?

12 A. Yes. Actually, when the original proposal  
13 was written, we had not received a couple of these  
14 surveys back, and the actual recommended minimum  
15 allowable when the proposal was written was 583 Mcf  
16 per day.

17 Q. When we look at drilling and completion  
18 costs, we get an average of \$264,700?

19 A. Yes, sir.

20 Q. We get a gas price of \$1.30, subject to the  
21 two-cent adjustment?

22 A. Yes, sir.

23 Q. And a risk factor of 68.5 percent?

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

25 Q. Behind this operator's survey are copies of

1 the actual survey forms; is that right?

2 A. Yes, sir, they are.

3 Q. So you can look at the summary on page 9  
4 and relate it to the following survey responses and  
5 identify who responded and what the actual numbers  
6 were?

7 A. That's correct.

8 Q. When you put your numbers in the risk  
9 factor column, you were simply taking the numbers that  
10 were reported and including them in the summary?

11 A. That's right.

12 Q. Mr. Hart, some of the answers to the survey  
13 questions are just numbers that have been included in  
14 the preceding page. There are, however, several other  
15 questions that I'd ask you to review with Mr. Catanach  
16 and provide him with a summary of the responses.

17 I think if you could focus on the first  
18 three questions and also question No. 6.

19 A. Okay. The first question is, "Are any of  
20 your wells capable of producing more than the average  
21 nonmarginal allowable?" As you can see by these  
22 included exhibits, all operators indicated yes, they  
23 did have those wells.

24 The second question asks the operators if  
25 they felt there was a market demand for gas produced

1 in excess of current allowables, and, again, all  
2 operators indicated yes.

3 The third question asks operator opinion of  
4 New Mexico gas being displaced by outside sources as a  
5 result of low allowables. And all of them said yes  
6 except for one which applied only to their interest.  
7 They said that it wasn't displaced as to their  
8 interest.

9 And then the sixth question asked what  
10 activities their individual company could engage in if  
11 a minimum allowable was in effect, and virtually all  
12 of the operators stated that they could engage in  
13 additional development drilling, recompletion works,  
14 and also stimulation work.

15 Q. Mr. Hart, I'd now like you to go back in  
16 the exhibit to page 20. Some of the books are not  
17 numbered. It is the 20th page, and it's entitled at  
18 the top "Economic Summary For 600 Mcf Per Day Minimum  
19 Allowable."

20 On that page, I'd like you first to go to  
21 the assumptions that are set out below the numbers and  
22 review each of those, please.

23 A. The first assumption there was economic  
24 parameters used to actually calculate the economics.  
25 The average drilling and completion cost, \$265,000,

1 average gas price \$1.30 per Mcf, and average risk  
2 factor, 31.5 percent, which is basically 100 percent  
3 minus the 68.5 that you saw on the previous page.

4 Q. If we take these, you've indicated they are  
5 average values. These are not Texaco numbers; is that  
6 correct?

7 A. Yes, sir, these are not any one company's  
8 numbers. These are average numbers based on operator  
9 responses to our survey that we sent out.

10 Q. Let's go to the second assumption set forth  
11 on this exhibit.

12 A. The second assumption is that there was  
13 already existing production of 160 Mcf per day for an  
14 acreage factor of 1, and that was obtained by drilling  
15 proposals that Texaco had out at the time or actual  
16 wells that were being drilled at the time.

17 Q. To be sure we understand this figure, 160  
18 Mcf per day is what you are using as an average  
19 current production from each acreage factor in the  
20 Eumont Pool?

21 A. Yes, that we had drilling wells proposed  
22 on.

23 Q. And this takes into account that on most,  
24 if not all of these units, there is some existing  
25 production?

1           A.     Yes, sir.

2           Q.     When you look at a minimum allowable of 600  
3 Mcf per day, this would apply to these acreage  
4 factors, and therefore you are taking this average  
5 figure of 160 Mcf per day and factoring that in to  
6 account for existing production on the units?

7           A.     Yes, sir.

8           Q.     The next line in this second assumption  
9 addresses an acreage factor of .5.  Would you explain  
10 that?

11          A.     Yes, sir.  For an acreage factor of .5, we  
12 assumed no existing production was present, and again  
13 that was based on an actual Texaco well that was  
14 proposed to be drilled on an 80-acre tract.

15          Q.     Let's go now to your decline rate.  How was  
16 that obtained?

17          A.     The exponential decline rate of 11 percent  
18 was obtained by taking typical Eumont wells that  
19 Texaco operated -- I think I took two or three of  
20 them, and averaged those decline rates, and 11 percent  
21 was what the value was.

22          Q.     In your opinion, is this an appropriate  
23 decline rate to use as an average for the wells in the  
24 Eumont Pool?

25          A.     Yes, sir, I think it is.

1 Q. Now let's go to the fourth assumption.

2 A. The fourth assumption is an operating cost  
3 of \$6,000 per well, and that was obtained, number one,  
4 by response from Conoco. They indicated that's what  
5 they would use for operating cost per well, and that's  
6 also a very typical number that Texaco would use in  
7 economics.

8 Q. Using these numbers and assumptions, let's  
9 go to the top of this exhibit, and I'd ask you to come  
10 across each of the two columns, first going with a  
11 full acreage factor of 1.

12 A. Yes, sir. The first line on this economic  
13 summary is for an acreage factor of 1. You can see  
14 there that the production increase is 440 Mcf per day,  
15 and, again, that is obtained from taking the 600 Mcf  
16 per day minimum allowable and subtracting existing  
17 production of 160 Mcf per day. And you get on the  
18 rate of return there, 47 percent and a payout in 2.9  
19 years, net present value \$378,000.

20 Then on the second line, this would be the  
21 economic summary for an acreage factor of .5. You can  
22 see no existing production was assumed for an acreage  
23 factor of .5. Thus you get the full 300 Mcf a day,  
24 which translates to half of the 600, of course.

25 The rate of return there was 30 percent,

1 and payout would be 4.5 years, with \$190,000 net  
2 present value, which are marginal economics.

3 Q. How do the economics for the .5 acreage  
4 factor compare to the economics for wells or tracts in  
5 the Eumont Pool or without the minimum allowable?

6 A. The line with the .5 acreage factor can  
7 actually be translated into economics at current  
8 allowables for an acreage factor of 1. By that I mean  
9 that current, September allowable for a nonmarginal  
10 acreage factor is 454 Mcf per day. If you subtract  
11 out that existing production of 160 Mcf per day, you  
12 get approximately 300 Mcf per day for your production  
13 increase.

14 And that translates into marginal economics  
15 at current allowables for an acreage factor of 1 and  
16 virtually knocks out any drilling on an 80-acre  
17 proration unit.

18 Q. So what you're saying is if you take the  
19 September allowable, and you deduct from that the  
20 average 160 Mcf per day figure that you are using to  
21 represent current Eumont production on the acreage  
22 factor, you come out with a production number of  
23 approximately 300 Mcf per day?

24 A. Yes, sir.

25 Q. And that is the same number that under the

1 minimum allowable you have for the .5 acreage factor?

2 A. Yes, sir, it is.

3 Q. If you go across, that again shows what  
4 your rate of return and your payout on investment  
5 would be, and those are marginal economics from your  
6 point of view?

7 A. Yes, sir.

8 Q. When you go forward under present economics  
9 with a proposal, are these the kinds of economics that  
10 are considered when you decide, when your company  
11 decides where it will invest funds?

12 A. Yes, sir, they do look at these generated  
13 numbers to decide where they want to invest their  
14 funds.

15 Q. Under current allowable rates, are these  
16 the kind of marginal economics which are precluding  
17 additional development of the Eumont Pool?

18 A. Yes, sir.

19 Q. Is this the reason that you need to have a  
20 minimum allowable rate of 600 Mcf per day?

21 A. Yes, sir, it is.

22 Q. In summary, what is the result of the lower  
23 allowable on economics as they relate to further  
24 development in the Eumont Pool?

25 A. Basically, it prohibits operators from

1 committing funds to do additional development drilling  
2 in the Eumont Pool.

3 Q. Let's go to the next page, page 21 of this  
4 exhibit, and I'd ask you to identify that and just  
5 explain why it's included in this information.

6 A. Yes, sir. That is an AFE for a drilling  
7 well in the Eumont Yates Seven Rivers Queen Gas Field  
8 that Texaco recommended. This well has actually been  
9 drilled. The purpose of this exhibit is just to show  
10 the bottom line cost of drilling a Eumont well and  
11 indicate that actual Texaco costs agree pretty closely  
12 with what average drilling costs were for other  
13 operators in the field.

14 Q. Let's go now to the next page of this  
15 exhibit, page 22, which is entitled "Expense  
16 Summary." Could you tell us what this exhibit shows?

17 A. Basically, this exhibit shows what kind of  
18 funds could be committed to the Eumont field if we had  
19 increased allowables. These costs or moneys actually  
20 represent money that has been spent by Texaco or will  
21 be spent by the end of the year. I would point out  
22 that the only way that we could afford to do this is  
23 because of the increased allowables that we enjoyed in  
24 five months out of this year.

25 Q. Could you just review the kind of projects

1 that have been undertaken by Texaco this year in this  
2 pool as a result of the higher allowables in the first  
3 three months of the year?

4 A. Yes, sir. The first line there shows  
5 completed workovers. To date, we've done 14 of these,  
6 for a total cost of \$928,000.

7 The second line, pending workovers, is  
8 workovers where paperwork has been turned in and  
9 approved, but they have not been done yet, for  
10 \$800,000.

11 We have an additional three potential  
12 workovers that have not been written up yet. We've  
13 drilled seven wells in the field since we enjoyed  
14 increased allowables in five months of this year, that  
15 being January, February, March, May and June.

16 And then we also have another potential  
17 drilling well where paper has not been turned in on,  
18 and \$465,000 worth of equipment installations, most of  
19 them being pumping equipment installations on these  
20 Eumont wells, for a total investment in the Eumont  
21 field by Texaco or potential investment of a little  
22 over \$4.5 million.

23 Q. Mr. Hart, in November of 1989 when you  
24 testified, you indicated that with higher allowables,  
25 Texaco could become more active in this pool; is that

1 not correct?

2 A. Yes, sir. We did indicate if allowables  
3 were higher, we could engage in additional drilling  
4 locations, we could go in and economically rework  
5 wells, and I think this exhibit clearly shows that we  
6 have done that based on the increase in allowables.

7 Q. In your opinion, does this exhibit indicate  
8 what all operators -- the kind of activity that all  
9 operators can undertake in the Eumont Pool if there  
10 are more favorable economics?

11 A. I think it is a good indication of that.

12 Q. Let's go to page 23, and I'd ask you next  
13 to identify what that is.

14 A. Page 23 is just a summary of ballots that  
15 we received from other operators in the field. Again,  
16 they're listed alphabetically by operator. And then  
17 the second column is actually the percent of total  
18 field acreage factors that they operate.

19 And you can see that we have ballots from  
20 93.83 percent of the acreage factors in the field  
21 supporting this minimum allowable proposal, and those  
22 ballots are attached behind this exhibit.

23 Q. And did you receive any negative votes at  
24 all?

25 A. No, sir, we did not.

1 Q. Could you just, in summary, state what you  
2 believe the impact of low allowables are having on  
3 development of the Eumont Gas Pool?

4 A. I think the low allowables are preventing  
5 the production of reserves that otherwise could be  
6 recovered with a better economic opportunity.

7 Q. And in that regard, do you believe that  
8 setting a minimum allowable for a three-year period of  
9 time will have a positive impact on the correlative  
10 rights of interest owners in this pool?

11 A. Yes, sir, I do, and that is merely because  
12 it gives operators the opportunity to produce their  
13 reserves from tracts that they operate.

14 Q. What impact would approval of a 600 Mcf per  
15 day minimum allowable have on waste in this pool?

16 A. I think there would not be as much waste  
17 with a minimum allowable in effect because you could  
18 more economically produce reserves, and in addition to  
19 that, you could economically go in and produce  
20 reserves that would be otherwise unrecoverable because  
21 of development drilling, reworks, that sort of thing.

22 Q. In your opinion, would granting this  
23 application result in the recovery of gas that  
24 otherwise would not be produced?

25 A. Yes, sir, it would.

1 Q. Was notice of today's hearing provided as  
2 required by OCD rules?

3 A. Yes.

4 Q. Who was notified of this application?

5 A. All operators operating Eumont wells were  
6 notified. All operators within a mile radius of the  
7 pool boundaries were notified. Unleased mineral  
8 interest owners were notified. All transporters,  
9 pipelines, and purchasers were notified.

10 Q. Were lessees or mineral owners within the  
11 pool on tracts with no well located thereon also  
12 notified?

13 A. Yes, sir, they were.

14 Q. Were all of these sent by certified mail?

15 A. Yes, sir.

16 Q. Mr. Hart, in your opinion, will approval of  
17 this application be in the best interest of  
18 conservation, the prevention of waste, and the  
19 protection of correlative rates?

20 A. Yes, sir, I think it will.

21 Q. Was Chevron Exhibit No. 1 prepared by you?

22 A. Texaco Exhibit, yes.

23 Q. Texaco Exhibit No. 1 prepared by you?

24 A. Yes.

25 MR. CARR: At this time, Mr. Catanach, I

1 would move the admission of Texaco Exhibit No. 1.

2 HEARING EXAMINER: Exhibit No. 1 will be  
3 admitted as evidence.

4 MR. CARR: Mr. Catanach, I also have but  
5 it's in the file room, not with me at the moment, an  
6 affidavit confirming that notice has been given as  
7 reported by Mr. Hart, and with your permission, during  
8 the first break, I will bring that to you as well. We  
9 ask that it be included in the record.

10 HEARING EXAMINER: That will be fine.

11 MR. CARR: That concludes my direct  
12 examination of Texaco's witness, Mr. Hart.

13 HEARING EXAMINER: Any questions of this  
14 witness?

15 MS. REUTER: I have a few questions I'd  
16 like to ask.

17 CROSS-EXAMINATION

18 BY MS. REUTER:

19 Q. You stated earlier that your economic  
20 survey was based on an average or typical Eumont well;  
21 is that correct?

22 A. Yes. The economic summary was based on  
23 responses that we received back from other operators  
24 in the field on the surveys that we sent out. It is  
25 no one company's numbers.

1 Q. And you also stated that the decline rate  
2 of 11 percent that you were using was appropriate as  
3 an average decline rate for the Eumont Gas Pool?

4 A. Yes, ma'am.

5 Q. That's also correct?

6 A. Yes.

7 Q. Would you say that's a conservative figure?

8 A. No. I would say that that's a pretty  
9 accurate figure.

10 Q. In the example that you have on the  
11 economic summary, you're showing an incremental  
12 production increase of 440 Mcf per day based on an  
13 assumed current production of 160 Mcf per day for an  
14 acreage factor of 1; is that correct?

15 A. Yes. That was based on drilling proposals  
16 that Texaco either had in the works at that time or  
17 were in fact active in drilling.

18 Q. You haven't testified to what these  
19 projections show as to recoverable reserves. So I'd  
20 like to ask you, Mr. Hart, based on that scenario that  
21 we just discussed, with an 11 percent decline rate,  
22 assuming no escalation of gas prices or operating  
23 costs, wouldn't that yield an increased recovery of a  
24 total of 1.41 Bcf per acreage factor of 1?

25 A. I have not done any economic calculations

1 myself, but those are reasonable numbers, yes, or  
2 reserve calculations, excuse me.

3 Q. I'd like to take you to a hypothetical very  
4 closely related to the scenario you show here. If you  
5 assume an existing production of zero for an acreage  
6 factor of 1.0, do you believe your average or typical  
7 New Mexico infill well would be capable of producing  
8 the requested 600 Mcf per day allowable?

9 A. Yes, it would.

10 Q. In other words, there still would be  
11 prorationing in the Eumont with a minimum allowable of  
12 600 Mcf per day; is that right?

13 A. Yes. As a matter of fact, there are  
14 numerous examples of tracts in the field that are  
15 capable and well in excess of 600 Mcf per day per  
16 acreage factor. Texaco has several of those as well  
17 as some other operators.

18 Q. Will any well that you contemplate drilling  
19 be allowable constrained at 600 Mcf per day? I mean  
20 would they be similar to that?

21 A. I'm not sure I understand.

22 Q. Based on your expert knowledge as an  
23 engineer, would any well that you contemplate drilling  
24 in the future in the Eumont Pool produce in excess of  
25 600 Mcf per day?

1 A. Yes.

2 Q. And therefore they would be allowable  
3 constrained at 600 Mcf per day?

4 A. Yes, ma'am.

5 Q. Back to the scenario, the hypothetical  
6 scenario we had before, if you assume that you have an  
7 existing production rate of zero for an acreage factor  
8 of 1, an initial producing rate of 600 Mcf per day for  
9 an average new infill well, an 11 percent decline  
10 rate, same as before, no increases or changes in  
11 operating costs or pricing, it would appear based on  
12 normal calculations that your estimated recoverable  
13 reserves for an average new well would increase from  
14 1.41 Bcf to 1.94 Bcf. Does that sound like a  
15 reasonable figure to you?

16 A. Well, the 440 Mcf per day, just because you  
17 have an incremental increase of 440 Mcf per day does  
18 not mean that that well won't produce more.

19 Q. Right.

20 A. So basically your decline rate is not going  
21 to be as great if you have that well cut back because  
22 of allowable restraints.

23 Q. Okay. I'm getting back to something I was  
24 discussing with you before. I'm looking at what the  
25 projected reserves were, just as we looked at 1.41 on

1 440. If you have production at 600 Mcf per day with a  
2 new infill well, wouldn't the recoverable reserves for  
3 such a well, assuming that it's going to produce 600  
4 Mcf per day, be 1.94 Bcf?

5 A. Again, I haven't prepared any reserve  
6 calculations for this hearing, but I think, in my  
7 opinion, those are reasonable numbers.

8 Q. You seem to indicate that the reserves  
9 could be even greater than could be produced under the  
10 600 Mcf per day cap. In other words, you said earlier  
11 that there would be wells and there are wells that  
12 could produce more than a 600 Mcf per day cap?

13 A. Yes.

14 Q. So the total reserves in the pool, based on  
15 the two scenarios that we discussed, could be even  
16 greater than 1.94 Bcf?

17 A. Again, I haven't done any reserve  
18 calculations, but I think that would probably be fair  
19 to say.

20 Q. Is that your opinion?

21 A. Yes.

22 Q. As an experienced engineer working in  
23 southeast New Mexico for a well-known major oil  
24 company, that's Texaco rather than Chevron, is it  
25 therefore your opinion that expected recoveries from

1 newly drilled infill wells could range between 1.41  
2 and 1.94 Bcf per day?

3 A. I think that's reasonable, but, again, I  
4 have no numbers to back that up with.

5 Q. In your opinion, is the Eumont reservoir a  
6 high quality reservoir?

7 A. I think so, yes.

8 Q. In your opinion, would it be capable of  
9 doing that?

10 A. I think so.

11 Q. You wouldn't be asking for a 600 Mcf a day

12 --

13 A. No.

14 Q. -- allowable otherwise and corresponding  
15 deliverability?

16 A. Right.

17 MS. REUTER: I have nothing further.

18 THE WITNESS: The bottom line is that there  
19 are acreage factors out there that are capable of  
20 producing well in excess of 600 Mcf per day.

21 MS. REUTER: Thank you.

22 HEARING EXAMINER: Are there other  
23 questions of this witness? Mr. Kellahin?

24 MR. KELLAHIN: No, sir.

25 CROSS-EXAMINATION

1 BY HEARING EXAMINER:

2 Q. Mr. Hart, what was the effect of the  
3 short-term increase in gas allowables that was in  
4 effect during 1990?

5 A. For Texaco, that is the only reason that we  
6 engaged in drilling wells and recompletion work, as we  
7 saw the amount of money that we have spent in the  
8 field on a later page. We did all of that work as a  
9 direct result of the OCD's response to increasing the  
10 allowables in the Eumont field for five months out of  
11 this year.

12 Q. That was a direct result? None of that  
13 work would have been done if the allowable would not  
14 have been increased?

15 A. There are very few -- I don't know exactly  
16 what projects would have been done, but there are  
17 very, very few of them that we could have afforded to  
18 do without that increased allowable. There's no way  
19 that we could have spent that much money without the  
20 confidence of increased allowables to meet our  
21 economics. And we did that work because we were  
22 convinced that the OCD would keep those allowables  
23 high because at our original testimony in the November  
24 and December of 89 gas proration hearings, we did ask  
25 for that administrative adjustment for a period of one

1 year. So we felt confident that after January,  
2 February, and March, that we were going to continue to  
3 get those increased allowables.

4 Q. If I recall correctly, one of the reasons  
5 that the allowable was bumped back down was because we  
6 didn't see a corresponding increase in production in  
7 the field? Is that your understanding?

8 A. Yes, that's my understanding. And if  
9 you'll look at page 4, I believe, it's the graph of  
10 normalized nonmarginal production and allowable, you  
11 can see that production did drop, but the reason for  
12 that is because many operators in the field didn't  
13 have the confidence that Texaco had in that allowables  
14 would stay high, and they didn't want to go into a  
15 high gas price area where they were overproduced.

16 And as a matter of fact, if you look in the  
17 gas proration schedules for the months of March,  
18 April, May, and June, you can see numerous examples of  
19 nonmarginal wells shut in because they didn't want to  
20 go into that high priced area overproduced.

21 But, on the other hand, you can see that  
22 last point, production is in fact responding to those  
23 increased allowables. And, again, I would point out  
24 that on a per acreage factor basis, July 1990  
25 production was the highest it's been in four years,

1 and I think that's a direct result of the increased  
2 allowables.

3 Q. On Exhibit No. 5, that trend that you said  
4 reversed itself in 1990, was that a result of the  
5 higher allowables?

6 A. Yes, sir, because those higher allowables  
7 resulted in reclassification of wells from nonmarginal  
8 to marginal, and, in effect, you had less nonmarginal  
9 wells out there and again reversed itself to an  
10 historical trend in the early 1980's.

11 And adding to that, I think by  
12 reclassifying several nonmarginal acreage factors to  
13 marginal, you're again entering the trend where  
14 allowable is indeed being assigned to those tracts or  
15 acreage factors that are capable of producing it.

16 MR. MORROW: You're saying even with the  
17 current system then that would be the case?

18 THE WITNESS: Yes. The result of the  
19 increased allowables that we saw in five months out of  
20 this year, in my opinion was why this trend reversed  
21 itself.

22 MR. MORROW: Reclassified a lot of wells  
23 that couldn't make it and got the allowable for the  
24 wells that could make it?

25 THE WITNESS: Yes, sir.

1           MR. MORROW: And they produced it, and that  
2 increased the future allowables?

3           THE WITNESS: Yes. As a matter of fact,  
4 this September's allowable with no administrative  
5 adjustment added in is quite a bit higher than 89's  
6 September allowables. So I think the administrative  
7 adjustments that have occurred in the past have done a  
8 lot of good for the allowable situation, but we still  
9 need that minimum allowable to provide a system that  
10 the operators can rely on, and they can commit some  
11 money to the Eumont field.

12           Q.       (BY HEARING EXAMINER) Would the  
13 administrative adjustment, given enough time to work,  
14 would it have the same effect of the minimum  
15 allowable?

16           A.       In my opinion, it would, but, again, if you  
17 put a minimum allowable in effect, you have a system  
18 there that operators can rely on and sell their  
19 management, that indeed they can invest money into  
20 this particular field and have a chance of getting  
21 their payout.

22           Q.       What's the three years' significance, Mr.  
23 Hart?

24           A.       Again, that three years was derived  
25 strictly from average values based on surveys that we

1 received back.

2 CROSS-EXAMINATION

3 BY MR. STOVALL:

4 Q. In other words, there's no magic to the  
5 three year?

6 A. That was operator opinion.

7 Q. What would be your opinion as an engineer  
8 with Texaco if in fact a minimum allowable were  
9 established for the field with no time limit, that it  
10 could just be adjusted upon application and hearing,  
11 or OCD could initiate an action or operators could to  
12 adjust that or eliminate it?

13 A. I think the three-year time period has  
14 significance in that that system is there for a period  
15 of three years, and you can get your payout, for the  
16 most part, back in that period of time. So it gives  
17 operators some assurance that the minimum allowable is  
18 going to be there for three years and would in fact  
19 allow them to commit money to development, drilling,  
20 or whatever in the field.

21 Q. What I'm suggesting, maybe I didn't make  
22 myself clear, rather than put that three-year limit on  
23 it, what would be your opinion if the OCD said there  
24 will be a minimum allowable in this field, period, and  
25 then it wouldn't automatically terminate at the end of

1 any specified period, three years or otherwise, but it  
2 would continue unless an application were brought  
3 either by the Division or an operator at some future  
4 time to adjust it, either upward or downward?

5 A. In my opinion, that would be okay.

6 Q. I mean, two years down the road, you're  
7 going to be looking at one year left if you've got a  
8 three-year period on it, and you've still got to make  
9 the same management decisions, don't you?

10 A. Again, some of our economics show there was  
11 a payout of 2.9 years. Like I said before, I think  
12 the reason that operators suggested that period of  
13 time was to have a system intact where they could rely  
14 on those allowables to get their payout.

15 Q. I understand that, but that makes the  
16 assumption that the investment is made today, or the  
17 day the order is entered, and so you have to make all  
18 those investments and complete all that work at that  
19 time in order to have the full period.

20 What I'm suggesting that if we went the  
21 other way and didn't put a time limit on it,  
22 presumably this \$4 million that Texaco is considering  
23 investing is going to be invested over a period of  
24 time rather than at one time; is that not correct? Do  
25 you understand what I'm saying? Am I clear?

1 A. I don't think I do.

2 Q. You base three years upon a 2.9-year payout  
3 for investment?

4 A. No. Actually the three years was based on  
5 survey results that we got from other operators. We  
6 just averaged what they thought a minimum period  
7 should be.

8 Q. I understand, but then you threw out the  
9 2.9 year payout period as well?

10 A. Yes. And I think that may be the way that  
11 they obtained their minimum period of time.

12 Q. That's a reasonable payout period for an  
13 investment, is that not correct?

14 A. I think so.

15 Q. But what I've suggested, on page 22, you've  
16 indicated that you've completed roughly \$1 million  
17 worth of workover, and you've got another 3-1/2 that  
18 you intend to spend if you're given the incentive to  
19 do so; is that correct, Texaco is?

20 A. No. We've actually spent more than a  
21 million-and-a-half.

22 Q. I'm sorry; you've got newly drilled wells  
23 down there too?

24 A. Right. That's \$1.8 million just in newly  
25 drilled wells.

1 Q. Let's say the remaining 2 million roughly  
2 that Texaco is prepared to spend given the incentive?  
3 How long will that take you to complete the workovers  
4 and the new drilling and the other work? How long a  
5 time will it take to --

6 A. We intend to do that before the end of the  
7 year.

8 Q. I guess what I'm asking you, would you like  
9 it to be without a limit? Would you prefer to have a  
10 three-year limit or no limit at all?

11 A. I would prefer to have no limit at all.  
12 But like I said, I think that would be subject to  
13 review by the Commission after the three-year period  
14 of time, and the Commission could make the necessary  
15 adjustments based on what production we've seen for  
16 those three years versus allowable.

17 Q. Just a real quickie, on page -- I think  
18 it's 2 and 4, it appears that allowable has in fact  
19 exceeded production most of the time on those graphs,  
20 if I'm not mistaken. Do you attribute that to the  
21 fact that there's some, in effect, or what you're  
22 calling truly marginal wells have been assigned a  
23 nonmarginal allowable and haven't been able to meet  
24 it?

25 A. Yes, sir. I think that allowable was being

1 assigned to wells that, in fact, couldn't produce it,  
2 and that's why the gap.

3 Q. And created an excess pool allowable?

4 A. Right.

5 MR. STOVALL: That's all I have.

6 HEARING EXAMINER: Mr. Morrow?

7 CROSS-EXAMINATION

8 BY MR. MORROW:

9 Q. I have a question on page 3. Are the  
10 nonmarginal units as graphed here approximately 50?

11 A. Yes. For the September proration schedule,  
12 I think the number is -- it's in the 40's, but I  
13 couldn't tell you exactly what it is, but it's in that  
14 neighborhood.

15 Q. Do you have some information on how many of  
16 those are overproduced and how many of them are  
17 overproduced more than their six times?

18 A. I don't have any numbers, but I do know  
19 there are some wells that are more than six times  
20 overproduced, and I do know that there are several  
21 wells that are overproduced also.

22 Q. You indicated that there's several wells,  
23 currently completed wells that can make more than 600  
24 per day?

25 A. Yes.

1 Q. Do you have a count on that? Do you know  
2 how many there are?

3 A. As far as total field or Texaco?

4 Q. Total field is what I'm --

5 A. No, I don't, but I do know that the  
6 workovers and the drilling that Texaco is engaged in  
7 has increased our production on several tracts to a  
8 level far in excess of 600 Mcf per day per acreage  
9 factor.

10 And going through the proration schedules,  
11 I know that there are -- I don't have any numbers, but  
12 I do know that there are several operators who do  
13 operate wells that are capable of in excess of 600 Mcf  
14 per day.

15 Q. One more question on page 20. The 160 you  
16 used as the basis, that's just what your well would  
17 make or your unit would produce, that has nothing to  
18 do with the allowables that could have been assigned  
19 to it, I'm assuming?

20 A. No. 160 Mcf per day was based on existing  
21 production from proration units that Texaco had  
22 drilling proposals on.

23 HEARING EXAMINER: Are there any other  
24 questions of this witness? If not, he may be  
25 excused.

1           MR. CARR: Mr. Catanach, I have an  
2 additional witness who may testify on some marketing  
3 questions. I think basically the marketing questions  
4 are better handled by Mr. Kellahin's witness, and we  
5 may or may not need to call our second witness. So at  
6 this time that concludes Texaco's presentation.

7           HEARING EXAMINER: We'll take a five-minute  
8 break.

9           (Thereupon, a recess was taken.)

10          HEARING EXAMINER: At this time we'll call  
11 the hearing back to order and turn it over to Mr.  
12 Kellahin.

13          MR. KELLAHIN: Thank you, Mr. Examiner.  
14 The Conoco exhibit books are in the box at the end of  
15 the table there in the white binders.

16          Mr. Examiner, my witness is Mike Zimmerman  
17 who is a gas distribution marketing specialist with  
18 Conoco whose primary responsibility is Conoco's gas  
19 production out of the Eumont Gas Pool. We would call  
20 him at this time as an expert witness.

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

24                           DIRECT EXAMINATION

25 BY MR. KELLAHIN:

1 Q. For the record, Mr. Zimmerman, would you  
2 please state your name and occupation?

3 A. My name is Michael Wayne Zimmerman. I'm  
4 the gas distribution specialist for southeastern New  
5 Mexico with Conoco.

6 Q. Summarize for us your educational  
7 background, please.

8 A. I have a B.B.A. in finance, 1985, from  
9 Texas A&M University.

10 Q. Subsequent to graduation, summarize for us  
11 your professional experience in the area of gas  
12 marketing and gas distribution.

13 A. I worked for Conoco upon graduation, and  
14 I've worked in the gas distribution area for a little  
15 over the last two years.

16 Q. What are your primary areas of  
17 responsibility for that period of time?

18 A. My primary areas would be, as I mentioned,  
19 southeastern New Mexico. The largest pool would be  
20 the Eumont production.

21 Q. Within that pool, what is it that you do  
22 for your company?

23 A. I handle the day-to-day activities of the  
24 gas wells, both the confirmation and the managing of  
25 the allowables.

1 Q. In order to manage the gas production and  
2 withdrawals from the Conoco wells, are you familiar  
3 with the prorationing system as applied to that pool?

4 A. Yes, sir, I am.

5 Q. Have you also made yourself familiar with  
6 the market demand for gas production not only for your  
7 gas wells but other gas wells in that pool?

8 A. Yes, sir, I have.

9 Q. As a result of your experience, have you  
10 become familiar with how other operators handle their  
11 share of the market?

12 A. Yes, sir.

13 Q. Do you know and are you familiar with the  
14 other operators as well as the transporters and the  
15 plant facilities that take that gas production?

16 A. Yes, I am.

17 Q. Based upon that information, what were you  
18 asked to do by your company?

19 A. I was asked to evaluate the effect that the  
20 low allowables were having on our Eumont gas wells.

21 Q. Were you able to successfully reach expert  
22 opinions on that issue?

23 A. Yes, I was.

24 MR. KELLAHIN: We tender Mr. Zimmerman as  
25 an expert gas distribution specialist.

1 HEARING EXAMINER: He is so qualified.

2 Q. (BY MR. KELLAHIN) Summarize for us what  
3 you have concluded based upon your study. What are  
4 the major conclusions you've reached?

5 A. The major conclusion would be that the  
6 nonmarginal Eumont gas wells suffer significant  
7 allowable constraints and therefore are shut in for  
8 significant periods of the years while market demand  
9 does still exist during that time.

10 Q. Have you determined whether or not the  
11 market demand exists for gas production not only out  
12 of nonmarginal wells but for marginal wells?

13 A. Yes, sir. We have no problem moving or  
14 selling marginal or nonmarginal gas.

15 Q. Have you made a study to determine whether  
16 or not there's existing capacity for gas produced from  
17 the Eumont Gas Pool in order to transport the gas  
18 that's available in the event the Division Examiner  
19 approves the minimum allowable proposed by Texaco?

20 A. Yes, I have.

21 Q. What conclusion did you reach?

22 A. I've reached the conclusion that there is  
23 significant processing and pipeline capacity to handle  
24 additional Eumont production.

25 Q. Involved in your study, did you examine the

1 topic of the potential for nonratable take?

2 A. Yes, sir, we did, or I did, and nonratable  
3 takes are no longer a key issue as there's very little  
4 dedicated gas left. Most of it has been deregulated  
5 or is released through contract cancellations.

6 Q. If the Division Examiner should approve the  
7 600 Mcf a day as the minimum allowable for all wells  
8 in the pool, do you anticipate that that would give  
9 the producers of the pool any kind of marketing  
10 difficulties?

11 A. No, sir, I do not.

12 Q. What has happened based upon your studies  
13 to the line pressures of the various gathering lines  
14 that take production out of the pool?

15 A. When Sid Richardson purchased the El Paso  
16 system, they have been working to lower the line  
17 pressure. And as a result of their lowering the line  
18 pressure, both the marginal and nonmarginal wells have  
19 seen an increase in production.

20 Conoco has recently contracted to have a  
21 low pressure gathering system installed, which is in  
22 the process of being built at this time, and we have  
23 seen a significant improvement in our Eumont  
24 production from both marginal and nonmarginal wells  
25 through the lowering of gathering system pressures.

1 Q. Based upon the lowering of the gathering  
2 line pressures, can you conclude as a distribution  
3 expert that the establishment of a minimum gas  
4 allowable for the pool will not be used against the  
5 marginal wells?

6 A. Yes.

7 Q. They are able to successfully compete then  
8 as they can to produce gas out of their spacing units?

9 A. Yes. In fact, the marginal wells have  
10 responded better than the nonmarginal wells to the  
11 lowering of the gathering pressure. In other words,  
12 they will actually benefit more.

13 Q. Let's turn to your exhibit book. On the  
14 first page of your exhibit book, you've summarized  
15 some of the key conclusions you reached in your  
16 study. Let's go back and visit the first one, the  
17 conclusion you reached concerning the additional  
18 processing capacity. What have you determined that  
19 capacity to be for the pool?

20 A. The processing capacity for the Eumont Pool  
21 is approximately 853 MMcf per day.

22 Q. What is the current gas production from the  
23 pool?

24 A. The current throughput is approximately 462  
25 MMcf per day.

1 Q. What excess capacity then do the various  
2 plants have for production taken from the pool?

3 A. That would yield an excess capacity of 391  
4 MMcf per day.

5 Q. What was the basis upon reaching those  
6 conclusions as to those numbers?

7 A. There was an annual gas plant survey that  
8 the numbers were taken from, The Oil and Gas Journal.

9 Q. Identify for us what plants you're talking  
10 about.

11 A. The plants that operate in the area are  
12 Phillips 66, Warren -- they have two plants, Warren  
13 does, Texaco, Northern Natural, and the Sid  
14 Richardson, the previous El Paso Jal system.

15 Q. Have you satisfied yourself that these  
16 plants then have the additional capacity available  
17 currently to producers that can consume and take the  
18 additional gas that would be produced under this  
19 minimum allowable?

20 A. Yes, beyond a doubt.

21 Q. Are you able to estimate the range of  
22 additional gas volume that might be generated by the  
23 minimum allowable?

24 A. My estimation would be approximately 20 to  
25 30 MMcf per day in new additional drilling projects

1 and approximately the same 20 to 30 million a day in  
2 sustained production from the current existing  
3 primarily nonmarginal wells.

4 Q. Do you have any other factors or reasons to  
5 support your conclusion about the additional  
6 processing capacity?

7 A. Yes, sir. I contacted all of the plants,  
8 and in the back of the book is an exhibit where they  
9 have stated that they do have the additional capacity  
10 to process additional gas and are actively seeking  
11 that gas in the Permian Basin.

12 Q. In actively dealing in this market to get  
13 your gas production handled by the various plants, are  
14 you finding that the operators and producers are being  
15 treated in a generally favorable bargaining position  
16 when they deal with these plants?

17 A. Yes, sir. Because of the relatively low  
18 throughput or utilization factor of the gas plants,  
19 there's a very competitive nature to process  
20 producers' gas, and favorable contracts are being  
21 offered at this time to the producers by the gas  
22 plants.

23 Q. Let's turn to your conclusion about the  
24 fact that there is market demand for the additional  
25 gas that will be produced out of the Eumont Gas Pool

1 in the event that the examiner adopts the minimum  
2 allowable. You've reached that conclusion?

3 A. Yes, sir.

4 Q. What are the bases for that conclusion?

5 A. The bases for that conclusion would be that  
6 several new pipelines and expansions, of course, are  
7 planned to serve California which evidence additional  
8 demand. The tightening of the air quality control in  
9 California should contribute to additional demand.

10 Q. Do you see for your own market that you as  
11 the gas distribution specialist for your company for  
12 this gas production have a market for the gas?

13 A. Yes, sir.

14 Q. And you can produce your wells at rates  
15 that do not yet satisfy that market?

16 A. That would be correct.

17 Q. If there's a market demand for the gas and  
18 it's not being satisfied by the production of gas out  
19 of the Eumont, who's satisfying the demand?

20 A. When Eumont production is shut in to build  
21 up allowables, primarily Texas and Oklahoma gas comes  
22 in on El Paso's system and displaces Eumont gas.

23 Q. In your opinion, is the current system of  
24 assigning allowables to these wells in the Eumont Gas  
25 Pool one that accurately reflects market demand?

1           A.     No, sir, it is not.

2           Q.     You've summarized on page 2, I think, of  
3 your exhibit book your major reasons that justify your  
4 conclusion that marketing of the Eumont production is  
5 not a problem.  Would you summarize for us your  
6 reasons?

7           A.     Yes, sir.  Basically, the larger operators  
8 market the smaller nonoperators' interest in the wells  
9 that they do operate.  This alleviates gas imbalances  
10 and makes the transportation easier.

11                     Most independents already have an  
12 established gas department.  If they do not, there are  
13 always brokers available to help them buy and move  
14 their gas.  I think it's important to note that  
15 there's even a small company in Hobbs who's set up to  
16 service and help smaller producers market production  
17 out of southeastern New Mexico.

18           Q.     Let's talk about the impact of the low  
19 allowables on the spacing units that have marginal  
20 wells.  All right?  With the implementation of a  
21 minimum allowable of 600 a day, what will happen to  
22 spacing units that have marginal wells on them?  What  
23 does that allow you to do?

24           A.     The 600 Mcf a day minimum allowable would  
25 allow us to go in where potential exists to work on

1 those marginal units and hopefully make them into  
2 nonmarginal units to increase production out of the  
3 current wells.

4 Q. And you would have a market then for the  
5 additional production being produced from what is  
6 currently marginal spacing units?

7 A. Yes.

8 Q. Let's talk about the nonmarginal spacing  
9 units. What incentive or advantage from your expert  
10 perspective is there to establishing a minimum  
11 allowable that applies to the nonmarginal well spacing  
12 units?

13 A. The establishment of a 600 Mcf a day  
14 minimum allowable will allow the nonmarginal wells to  
15 produce more months of the year than they're currently  
16 allowed to produce now under the changing allowable  
17 situation.

18 Q. Let's turn to the management of the  
19 allowable in relation to the production, and let's  
20 skip your summary of who the specific transporters are  
21 in the pool, and go to that first display.

22 A. Okay.

23 Q. Before we talk about it, tell us  
24 specifically what this well is that you tabulated.

25 A. This is a Conoco-operated, nonmarginal

1 well.

2 Q. What did you plot?

3 A. I plotted the monthly allowable versus  
4 monthly production.

5 Q. Why?

6 A. Because a typical nonmarginal well is  
7 produced in the wintertime and shut in in the  
8 summertime because it is forced to build up  
9 allowable. In other words, this well and most  
10 nonmarginal wells can significantly exceed even the  
11 600 Mcf a day minimum allowable.

12 Q. Is the allowable that's currently being  
13 assigned for wells, such as this Meyer A-1 No. 18, an  
14 allowable that accurately reflects the market demand  
15 available for gas production from this well?

16 A. No, sir, it is not. We could quite easily  
17 at reasonable wellhead netback prices sell this gas  
18 all 12 months of the year.

19 Q. Were you involved on behalf of your company  
20 to watch your production and manage that gas  
21 production during the period of time that the Division  
22 was making the administrative adjustments on a monthly  
23 basis to the allowable assigned to the pool?

24 A. Yes, sir, I was.

25 Q. And those were -- some of them occurred in

1 January and February and April, I think, of this year?

2 A. Um-hm.

3 Q. Did that provide a solution, in your  
4 opinion, to help satisfy the market demand?

5 A. That certainly helped to satisfy the market  
6 demand, but it was not a solution, as we saw when it  
7 was reduced, and we were forced to shut in again.

8 Q. Is there an advantage to establishing a  
9 minimum allowable on a reliable, regular basis for an  
10 extended period of time that is better than simply  
11 putting in a bonus allowable periodically into the  
12 pool?

13 A. Yes. It is very important to have a  
14 minimum allowable which would establish a comfort  
15 factor which would allow us to contribute capital  
16 funds and recover our investment in a reasonable  
17 period of time.

18 Q. Do you have a recommendation to the  
19 examiner as to a period or how he might construct a  
20 minimum period in which to leave the minimum allowable  
21 in place?

22 A. I would recommend that the minimum  
23 allowable be left in place for a period of three  
24 years. At the end of the three-year period, it  
25 should, of course, be looked at to see how the

1 production has responded to that minimum allowable.

2 Q. If the operators are using and taking  
3 advantage of the minimum allowable, then that could be  
4 reflected in the reports submitted to the Division.  
5 And based upon that, then that would be the predicate  
6 to extend the minimum allowable?

7 A. That is correct.

8 Q. Let's turn to the next display. What are  
9 you showing here?

10 A. This is simply the same Meyer A-1 No. 18  
11 nonmarginal unit which shows cumulative allowable  
12 versus cumulative production.

13 Q. What's the conclusion?

14 A. I think it's very important to note that  
15 even with the substantial shut-in periods that we saw  
16 on the previous graph, the cumulative production has  
17 still exceeded the cumulative allowable for this well.

18 Q. What does that tell you?

19 A. That is simply a result of the fact that  
20 the well can produce substantially more than the  
21 allowable that is granted to it.

22 Q. This particular well then is allowable  
23 restricted?

24 A. Correct.

25 Q. And you have market demand for gas produced

1 from this well that exceeds the allowable assigned to  
2 that well?

3 A. Yes, sir.

4 Q. What's the next display?

5 A. The next display is five Conoco-operated  
6 nonmarginal wells that were chosen, and they simply  
7 exhibit the same characteristics as the Meyer A-1 No.  
8 18.

9 Q. What did you do this for? Why did you want  
10 to do this?

11 A. To show that the first one was not simply  
12 chosen to illustrate a point. These charts show that  
13 this is a continual pattern that all nonmarginal  
14 Eumont wells are forced into by the low allowables.

15 Q. Approximately how many nonmarginal wells  
16 are there currently in the Eumont Gas Pool?

17 A. In the September proration schedule, there  
18 were 40 nonmarginal proration units.

19 Q. How many of those wells does Conoco have?

20 A. Conoco has ten nonmarginal proration units.

21 Q. Approximately how many marginal proration  
22 units do you have?

23 A. Forty-seven.

24 Q. What approximate percentage share do you  
25 have of gas produced out of the Eumont?

1           A.     15 to 20 percent.

2           Q.     You've shown us the display that tabulates  
3 allowable versus production on the five nonmarginal  
4 wells. What's the next display?

5           A.     The next display is simply the cumulative  
6 allowable versus cumulative production for those same  
7 five nonmarginal wells. And, once again, it shows  
8 that cumulative production exceeded cumulative  
9 allowable.

10          Q.     Have you made a study to determine what the  
11 impact is if we establish a 600 Mcf a day minimum  
12 allowable, how that might influence or affect  
13 production from some of your wells?

14          A.     The establishment of a 600 Mcf a day  
15 minimum allowable would help to smooth out some of the  
16 winter-summer cycles that we experience under the  
17 current low allowables.

18          Q.     For example, let's take one of your typical  
19 nonmarginal wells, and for the last year,  
20 approximately how many months out of the year were you  
21 able to produce that well, and how many were you  
22 required to shut that well in?

23          A.     A nonmarginal unit on average would be  
24 allowed to produce approximately seven months of the  
25 year and would be required to be shut in five months

1 of the year. That, of course, would depend upon its  
2 cumulative balance when it started the year, but for  
3 the most part it's seven and five.

4 Q. What happens to the seven and five ratio if  
5 you establish a minimum allowable of 600 Mcf a day?

6 A. As shown on this chart, and assuming that  
7 the well would make 800 Mcf a day --

8 Q. We're on the display that is captioned 800  
9 Mcf A Day Eumont Well, and below that it says  
10 Allowable vs. Production? Is this the one you have?

11 A. Yes, sir.

12 Q. What have you plotted?

13 A. I've simply plotted the standard 600 Mcf a  
14 day minimum allowable versus production, assuming that  
15 the well could make 800 Mcf per day.

16 Q. Let me go back to my first question. In  
17 the absence then of a minimum allowable on this  
18 typical nonmarginal well, you get to produce it seven  
19 months, you're shut in five?

20 A. Right.

21 Q. If we establish the minimum allowable, what  
22 happens to the typical nonmarginal well? How many  
23 months can you produce it?

24 A. The well would then be allowed to produce  
25 nine months of the year and would only be required to

1 shut in three months of the year.

2 Q. Any other conclusions from the display?

3 A. Well, this simply reillustrates the fact  
4 that the 600 Mcf a day minimum allowable, there will  
5 still be nonmarginal units subject to allowable  
6 constraints.

7 Q. Will any of your nonmarginal wells be  
8 allowable restricted if the minimum is set at 600 Mcf  
9 a day?

10 A. Yes, sir.

11 Q. Turn to the next display. It says 1,000  
12 Mcf a day. What are you showing here?

13 A. Just another example, as with the 800,  
14 1,000 Mcf a day well would, under the 600 Mcf a day  
15 allowable, would be allowed to produce approximately  
16 seven months out of the year, would be required to be  
17 shut in five months of the year.

18 Q. Let's go to the next display and talk about  
19 the topic of the minimum allowable in terms of an  
20 economic analysis. Have you made such an analysis?

21 A. Yes, sir, I have.

22 Q. With the assistance of the personnel in  
23 your company, have provided a summary?

24 A. That is correct.

25 Q. Has your company independently examined

1 whether or not it can support a 600 Mcf a day minimum  
2 allowable?

3 A. Yes, we have. The economic summary page is  
4 based upon Conoco's results of five previous drilling  
5 wells in the Eumont Pool.

6 Q. Give us the economic parameters.

7 A. The economic parameters were \$300,000 in  
8 total investment; that is to drill and complete;  
9 \$6,000 per year in operating costs, and \$1.25 per Mcf  
10 wellhead netback gas price.

11 Q. Did you apply any risk percentage to the  
12 analysis?

13 A. We have economic results for both unrisksed  
14 and risksed.

15 Q. Let's talk about the unrisksed. What did  
16 you conclude?

17 A. On an unrisksed basis, a 400 Mcf a day  
18 allowable would generate a 3.7 year discounted pay-  
19 back period.

20 Q. What does that tell you?

21 A. That is a pay-back period that would exceed  
22 the limit whereby we would drill new wells.

23 Q. And this is using an undiscounted or an  
24 unrisksed economic evaluation?

25 A. That is correct. That is assuming 100

1 percent chances of success on all wells.

2 Q. If you keep all the parameters the same and  
3 change the minimum allowable from 400 to 600 a day,  
4 what does that do to the pay-back period?

5 A. That would reduce the pay-back period to  
6 2.2 years on an unrisksed basis.

7 Q. Does that begin to approach then on an  
8 unrisksed basis the point at which you would spend  
9 funds or your company would spend funds and do  
10 workovers or new well programs in the Eumont Gas Pool?

11 A. That is correct.

12 Q. In your opinion, does 600 Mcf a day  
13 represent the minimum economics by which you can  
14 justify the drilling of new wells and the recompletion  
15 of old wells?

16 A. That would be correct, yes, sir.

17 Q. Individual wells might be less than that or  
18 more than that, but on average is this a reliable  
19 number to which you have confidence?

20 A. Yes, sir.

21 Q. Let me ask you to summarize for us what  
22 your major points are, and I think you've displayed  
23 them on the next page of the display, but tell us  
24 again. What are your major conclusions?

25 A. Major conclusions are that additional

1 processing and pipeline capacity exists to handle  
2 Eumont production, and demand also exists for  
3 additional Eumont production.

4           As I mentioned before, when the Eumont gas  
5 is shut in to build up allowables, Texas gas and  
6 Oklahoma gas primarily displaces the Eumont  
7 production.

8           The low Eumont allowables are restricting  
9 the number of drilling, recompletions, and even  
10 remedial projects that operators are able to  
11 undertake.

12           If the low allowables continue, Eumont  
13 wells will most likely not be drilled, thus creating  
14 waste in the long run.

15           And as we've shown on some of the exhibits,  
16 correlative rights -- wells will still be shut in due  
17 to allowable constraints, and correlative rights will  
18 still be protected via the spacing unit requirements  
19 and the overproduced limit.

20           Q.     Were the displays and conclusions, as well  
21 as the documentation provided in Conoco Exhibit No. 1,  
22 compiled under your direction and supervision?

23           A.     Yes, sir.

24           Q.     Are the conclusions reached your own  
25 conclusions?

1           A.       That is correct.

2           MR. KELLAHIN:   We move the introduction of  
3 Conoco's Exhibit No. 1.

4           HEARING EXAMINER:   Exhibit No. 1 will be  
5 admitted as evidence.

6           MR. KELLAHIN:   That concludes my  
7 examination of Mr. Zimmerman.

8           HEARING EXAMINER:   Are there additional  
9 questions of this witness?

10          MR. STOVALL:   Mr. Carr?

11          MR. CARR:   No.

12          MR. STOVALL:   Mr. Pearce?

13          MR. PEARCE:   No.

14          MR. STOVALL:   Who else is in this case?  
15 Miss Reuter?

16          MS. REUTER:   No questions.

17          MR. STOVALL:   Just a couple of quickies.

18                           CROSS-EXAMINATION

19   BY MR. STOVALL:

20           Q.       I probably should have asked Mr. Hart this,  
21 but if the 600 minimum is established, more wells will  
22 be moved into the marginal category; is that your  
23 opinion? Do you feel that you can comfortably address  
24 that question?

25           A.       Yes, that is correct, more wells would

1 eventually be classified as marginal.

2 Q. Are you able to form an opinion as to  
3 whether in fact, as a result of that process and as a  
4 result of marketing additional gas from the Eumont  
5 Pool, that the field allowable, using the demand  
6 system that the OCD has used, could result in the  
7 allowable actually going higher than 600 Mcf a day for  
8 an acreage factor of 1?

9 A. That would be correct.

10 Q. Is that a feasible -- is that a likely  
11 prospect, do you think? Do you think it might happen?

12 A. I think that you will see the average  
13 allowable increase. I do not think that you will see  
14 it increase to significantly above 600 Mcf a day  
15 because, as shown on the previous exhibits, most of  
16 the nonmarginal Eumont wells produce 800 to 1,000,  
17 some even above 1,000 Mcf a day; so that there will  
18 still be substantial shut-in time periods.

19 Q. Let's go back. Let's take your 800, take a  
20 look at it. If in fact that well produces 800 over a  
21 period of nine months, are all of the currently  
22 nonmarginal wells capable of going up to 600, do you  
23 think, or a substantial -- how many nonmarginal wells  
24 are capable of producing 600? Do you have an opinion?

25 A. There are 40 nonmarginal wells all

1 together, and I can only speak for the Conoco-operated  
2 ones, but all of the nonmarginal wells that I have are  
3 capable of producing more than 600 a day.

4 Q. So if they do what your graph shows and  
5 produce 800 for nine months, are they not going to  
6 tend to increase the pool allowable?

7 A. For those nine months, the pool allowable  
8 will increase, and then as soon as I shut in, the pool  
9 allowable will decrease because the total pool  
10 production is decreased, and we're back into the  
11 ratcheting-down effect that has always killed us in  
12 the past.

13 MR. MORROW: There's a bottom on that  
14 ratchet though then, isn't there?

15 THE WITNESS: I'm sorry?

16 MR. MORROW: You would have a 600 base. It  
17 couldn't ratchet below 600, if I understood your  
18 proposal correctly?

19 THE WITNESS: Correct.

20 Q. (BY MR. STOVALL) I guess what I'm  
21 suggesting is that, in fact, if the 600 minimum is  
22 instituted, that the allowable could actually move up,  
23 and if most of those nonmarginal wells are capable of  
24 producing 800 to 1,000, and the wells that aren't  
25 capable of producing at least 600 are all now

1 marginal, in fact you could be operating at an  
2 allowable range of 700 to 800, realistically, which  
3 might mean you would only have to shut in one month  
4 out of the year, which would significantly reduce that  
5 effect; is that correct?

6 MR. MORROW: And increase it more.

7 MR. STOVALL: And on we go, spiraling  
8 upward.

9 Q. What is Conoco's opinion as to whether or  
10 not there should be a three-year time limit on the  
11 minimum allowable? Would you prefer that, a specified  
12 time period, or would you prefer that it just be 600  
13 until further notice?

14 A. We would prefer a specified time period of  
15 at least three years.

16 Q. You're talking about a minimum rather than  
17 a maximum; is that what you're saying?

18 A. I would prefer to have a minimum 600 Mcf a  
19 day allowable for at least a three-year period so that  
20 we can commit the capital funds, drill Eumont wells,  
21 and recover our investment in a reasonable period of  
22 time.

23 Q. And is it safe to assume that you would  
24 prefer that at the end of that six years or three  
25 years -- excuse me -- that the minimum not

1 automatically go off but rather only go off after some  
2 demonstration that eliminating the minimum is  
3 appropriate?

4 A. That would be correct.

5 MR. STOVALL: Nothing further.

6 HEARING EXAMINER: Do you have anything  
7 else?

8 MR. MORROW: I think I got my question  
9 answered about the allowable going on up. If you had  
10 a minimum of six and no maximum -- I will ask this:  
11 Your economics and charts were based on an average  
12 allowable rather than a minimum allowable, if I  
13 understood them correctly?

14 THE WITNESS: The two charts on the 800 and  
15 1000 are based on 600 Mcf a day minimum allowable.

16 MR. MORROW: Minimum and maximum? You  
17 didn't assume you'd ever get to produce any more than  
18 600?

19 THE WITNESS: That is correct.

20 Q. (BY MR. STOVALL) Let me ask you one more  
21 question on the gathering. You've indicated right now  
22 there's sufficient gathering and transportation  
23 capacity in the pool to remove the gas. It could be  
24 produced at a 600 minimum; is that correct?

25 A. That's correct.

1 Q. I think I heard you say and Texaco said  
2 that if a 600 minimum is put in place, your companies  
3 are willing to invest additional funds and work over  
4 new wells, other activities which will raise the  
5 productive ability of wells in the pool, of  
6 nonmarginal wells in the pool; is that correct?

7 A. Yes, sir.

8 Q. Does that then threaten to push the  
9 capacity of the transportation systems to their limit  
10 as far as getting gas out of the field and being able  
11 to market it? Do you run into a marketing or  
12 transportation problem at that point?

13 A. No, sir, because as I testified before, my  
14 opinion would be 20 to 30 MMcf a day in additional new  
15 drilling projects, and approximately 20 to 30 MMcf per  
16 day in continued production that wouldn't be required  
17 to be shut in as many months as it currently is. So  
18 at maximum you have 60 MMcf per day in additional  
19 Eumont production. We have 391 MMcf per day in  
20 processing capability in the basin that's unutilized  
21 at this time.

22 Q. You don't have any concerns that there  
23 would be a need for additional capacity to meet the --

24 A. None whatsoever.

25 MR. MORROW: Was that 20 to 30 Conoco

1 increase or --

2 THE WITNESS: No, that would be for the  
3 total pool.

4 MR. MORROW: Or 20 and 30, I guess -- 20  
5 drilling and 30 remedial; is that what you said?

6 THE WITNESS: Remedial and continued  
7 production that's now required to be shut in, yes,  
8 sir.

9 MR. STOVALL: I don't think I have any more  
10 questions.

11 CROSS-EXAMINATION

12 BY HEARING EXAMINER:

13 Q. Mr. Zimmerman, you mentioned something  
14 about the pipeline pressure being reduced by  
15 Richardson. Do all the operators of currently  
16 marginal wells have access to those lower pressure  
17 pipelines at this point?

18 A. If an operator's gas is released, as the  
19 very, very vast majority of it is, they would have  
20 access to any of the plants in the area. The  
21 gathering systems for all of the plants tie quite  
22 closely to each other, and they compete nearly on a  
23 one-for-one basis.

24 And the other plants are expanding their  
25 low pressure systems to hook up existing and new

1 proposed Eumont production.

2 Q. A second part to that, will the drilling of  
3 additional Eumont wells have an effect on that system  
4 in bringing up that line pressure again?

5 A. Of course, bringing on additional wells has  
6 the opportunity to increase the gathering system  
7 pressures, but those systems are operated under low  
8 pressure systems and are sized to handle a significant  
9 amount of increased production.

10 Q. So you don't think that it would have an  
11 adverse effect later on on the marginal wells?

12 A. That is correct. I think the line pressure  
13 would go up very little, if any. And if it did go up,  
14 you would most likely see plants install additional  
15 compression to bring the gathering system pressures  
16 back down.

17 HEARING EXAMINER: I have no further  
18 questions of the witness. Anything further of this  
19 witness? If not, he may be excused.

20 At this time I guess we'll allow Miss  
21 Reuter to prepare.

22 MS. REUTER: Mr. Carr is not going to call  
23 another witness?

24 MR. CARR: I have a marketing witness that  
25 is brief and can provide some very brief supplemental

1 testimony on marketing. It might be wise to let you  
2 go ahead and present your witness, and at the end, we  
3 can just wrap up with it. It won't take but just a  
4 few minutes, and if it's covered by you, we won't get  
5 into it.

6 MS. REUTER: I doubt that it will be.  
7 We'll just need a minute to bring in Mr.  
8 Stewart.

9 HEARING EXAMINER: Let's take five minutes  
10 and let you get set up.

11 (Thereupon, a recess was taken.)

12 HEARING EXAMINER: Call the hearing back to  
13 order and turn it over to Miss Reuter.

14 MS. REUTER: Before I call my first  
15 witness, I would like to make a record on the  
16 prehearing conference that we had in this case  
17 yesterday.

18 Before I go ahead and do that, I would just  
19 like to state that Mr. Hartman wholeheartedly supports  
20 the establishment of the minimum allowable in the  
21 Eumont Gas Pool. He has filed an application to  
22 establish a minimum allowable in the Jalmat Gas Pool,  
23 which is presently scheduled for October 17. In both  
24 cases, he filed a motion to consolidate and to  
25 postpone the hearing on this case, along with the

1 hearing on the Jalmat case, until October 17. Those  
2 motions were denied by the Director of the OCD. And  
3 Mr. Hartman's position in this case was to request  
4 that the hearing examiner and the Commission delay a  
5 ruling on this case until he has presented the Jalmat  
6 case.

7           Very briefly, his position is that the  
8 Jalmat and Eumont Pools are, in effect, one pool, and  
9 therefore if a minimum allowable is established for  
10 the Eumont Pool, one should be established for the  
11 Jalmat Pool because, in limited circumstances and at  
12 limited times, it may create capacity constraints if  
13 there is a minimum allowable in the Eumont Pool and  
14 not the Jalmat Pool, and because it may affect the  
15 correlative rights of producers in the Jalmat Pool in  
16 that manner.

17           We had prepared testimony and exhibits  
18 basically in three areas, which were the subject of  
19 the prehearing conference that we had yesterday. The  
20 first area of testimony and exhibits are those that  
21 directly support establishment of a minimum allowable  
22 in the Eumont Pool and relate basically only to the  
23 Eumont Pool.

24           The second area are those which support the  
25 Eumont establishment of a minimum allowable by analogy

1 to facts and circumstances in the Jalmat Pool, simply  
2 because it is an analogous pool and producing similar  
3 reserves. And because Mr. Hartman has much more  
4 experience in the Jalmat Pool, we felt we could  
5 provide better evidence using some Jalmat examples and  
6 information.

7           The third area was testimony and exhibits  
8 which would have supported the request for delay in  
9 this case and a concurrent establishment of a minimum  
10 allowable in both pools. We had the prehearing  
11 conference yesterday on that subject, and there were  
12 objections by Mr. Kellahin and Mr. Carr, which I will  
13 leave to them to make, and I will leave to the  
14 examiner to go ahead and rule upon.

15           What I propose to do is at this point have  
16 Mr. Kellahin and Mr. Carr object as they did yesterday  
17 at the prehearing conference, briefly state what they  
18 stated, and then have the examiner go ahead and issue  
19 his rulings. I feel we can probably more  
20 expeditiously present our testimony in this case.

21           What I would plan to do is go ahead and  
22 present the evidence and testimony directly supporting  
23 the Eumont and relating only to the Eumont, and those  
24 which support it by analogy without being unduly  
25 cumulative. And at the prehearing conference

1 yesterday, the examiner ruled that he did not want to  
2 admit exhibits that related to the request to delay  
3 the decision on the Eumont allowable until the Jalmat  
4 case was heard. And I would propose to simply at the  
5 end of our regular presentation make a very quick  
6 offer of proof and put in the record that Mr. Stewart,  
7 our witness, has an opinion on that.

8 HEARING EXAMINER: Am I clear in  
9 understanding that you do intend to put some of this  
10 in evidence, or you want a ruling at this time on  
11 that, on whether or not you can put that evidence in?

12 MS. REUTER: As to which evidence, which of  
13 the three categories?

14 HEARING EXAMINER: The evidence concerning  
15 the delay in the decision until the Jalmat case is  
16 heard.

17 MS. REUTER: It was my understanding -- I'm  
18 not going to actually go ahead and put it in and waste  
19 our time with individual objections as to that matter,  
20 if you want to go ahead and rule right now. If you'd  
21 rather delay the ruling until that point, that's  
22 fine. I just thought it might be simpler to discuss  
23 it now and put it on the record rather than going  
24 through and having objections as we go along, exhibit  
25 by exhibit, because you had indicated yesterday that

1 you did not want to do that.

2 HEARING EXAMINER: Do Mr. Carr and Mr.  
3 Kellahin wish to respond to this at this time?

4 MR. KELLAHIN: It's hard to object in the  
5 abstract. Is there a tabulation of specific exhibits  
6 that fit into each category so we can make a record as  
7 to what you have offered on what particular topic?

8 MS. REUTER: Actually, we can't really  
9 tabulate that. Basically what happens is the  
10 testimony is limited. That's why I'm bringing it up  
11 right now. The testimony is limited as to the  
12 exhibits.

13 MR. KELLAHIN: I would like to expedite  
14 this as well as anyone, and if the examiner is willing  
15 to deal with it in this framework, I will object to  
16 categories two and three. Category one, I think, is  
17 relevant. It's material to the Eumont Gas Pool.  
18 Categories two and three are not. We deal with  
19 prorationing in New Mexico on a pool-by-pool basis.  
20 There is no pool balancing between pools. Correlative  
21 rights are treated on a pool-by-pool basis. You can  
22 treat them entirely separately with confidence that  
23 you're doing so appropriately within the confines of  
24 your statutory restrictions.

25 I have no disagreement with category one.

1 Two and three we think are irrelevant.

2 HEARING EXAMINER: Anything further, Mr.  
3 Carr?

4 MR. CARR: May it please the examiner,  
5 yesterday at the prehearing conference we took the  
6 position that we were prepared to go forward with the  
7 case, seeking an order establishing minimum Eumont  
8 allowables. We expressed at that time our concern  
9 that we confine the case just to that.

10 Not to just repeat what Mr. Kellahin has  
11 said, but we did note that we prorated individual  
12 pools, that these pools were defined, and there was  
13 nothing before the Commission to merge or change the  
14 pool boundaries, not only prorationing on a pool-by-  
15 pool basis, but correlative rights are viewed in that  
16 context, and that we hoped that the testimony would be  
17 confined to the Eumont.

18 I didn't understand there to be a ruling.  
19 I understood that counsel got a shotgun order to try  
20 and plane down their case and do this efficiently, and  
21 that's what we tried to do. I'm not here to try and  
22 slow this down or drag anything out. My understanding  
23 is we have all tried to streamline the presentation,  
24 and instead of wasting ten minutes on this, we ought  
25 to get on with it.

1 MS. REUTER: If I might add, Mr. Examiner,  
2 we had pointed out, and I'll just take a second, it's  
3 just as if you had a secondary recovery application  
4 before you. You would look at an analogous situation  
5 to consider the secondary recovery.

6 Rather than go on, perhaps the best thing  
7 to do is just go on with the exhibits then.

8 HEARING EXAMINER: If we come to a problem,  
9 I think we should address them at that point. Let's  
10 do that.

11 MS. REUTER: Thank you.

12 At this point I'll call my first witness,  
13 Mr. Michael Stewart.

14 MICHAEL STEWART,  
15 the witness herein, after having been first duly sworn  
16 upon his oath, was examined and testified as follows:

17 DIRECT EXAMINATION

18 BY MS. REUTER:

19 Q. For the record, would you state your name  
20 and place of residence?

21 A. Michael Stewart, Midland, Texas.

22 Q. By whom are you employed and in what  
23 capacity?

24 A. Employed by Doyle Hartman as an engineer.

25 Q. Have you previously testified before the

1 Oil Conservation Division or other regulatory bodies  
2 and had your credentials as that of an expert in the  
3 field?

4 A. Yes, I have testified, and they have been  
5 accepted.

6 Q. Are you familiar with the application for  
7 minimum Eumont allowables filed in this case?

8 A. Yes, I am.

9 Q. Are you familiar with the production  
10 history, projections, economic and engineering of the  
11 Eumont and Jalmat Gas Pools?

12 A. Yes, I am.

13 Q. Are you familiar with the allowables for  
14 the Eumont and Jalmat Gas Pools and recent changes in  
15 these allowables?

16 A. Yes, I am.

17 Q. At this point I would like you to look at  
18 Exhibit No. 1 and please review for Mr. Catanach the  
19 significance of this exhibit.

20 A. Exhibit No. 1 was taken from an excerpt in  
21 the book entitled North American Gas Fields. The  
22 significance of this exhibit is to show the Eumont-  
23 Monument-Jalmat trend which they define by B.W. Beebe  
24 and B.F. Curtis to include the --

25 MR. STOVALL: Let's stop for a moment. Who

1 does not have exhibits here today?

2 MS. REUTER: Oh, I'm sorry.

3 (Thereupon, a discussion was held  
4 off the record.)

5 THE WITNESS: I'll continue and say that  
6 the significance of this exhibit is to show that the  
7 Monument-Eunice-Jalmat trend, defined as the Jal,  
8 Mattix, Eunice, Monument and other smaller combined  
9 fields, which is now primarily the Eumont and the  
10 Jalmat fields, is the third largest ranked field based  
11 on initial recoverable reserves.

12 This estimate of 9.8 or almost 10 trillion  
13 cubic feet of initial recoverable reserves in place  
14 was made in 1965. We feel like that estimate may be a  
15 little bit pessimistic because they may have been  
16 looking at higher line pressures. And as Mr.  
17 Zimmerman has testified, lower line pressures can lead  
18 to additional recovery of reserves.

19 I think that one of the other significant  
20 facts of that exhibit is that, being that this field  
21 is so large, and you'll notice that New Mexico is  
22 fortunate enough to have two of the three largest gas  
23 fields in the lower 48, it's an invaluable resource to  
24 the state and must be a lot of time and consideration  
25 given in the development of this field. And that the

1 field should be developed based on the operator's  
2 economic parameters, especially as we are right now in  
3 a market-driven pricing scenario insofar as gas, and  
4 it probably should not be -- the development of the  
5 field should not be governed by government  
6 constraints, excessive government constraints.

7 Q. Would you look at Exhibit 2 and please  
8 review that for the examiner.

9 A. Exhibit No. 2 is an old map of the trend  
10 from the 1938 Lea County Operators Committee. It  
11 shows the evolution of this trend began with small  
12 pools, the Eunice Pool discovered in 1928 and the  
13 Rhodes Pool discovered in January of 1929.

14 This is just to show that the entire trend  
15 which has evolved into the Eumont and Jalmat began out  
16 of a number of small fields.

17 Q. Would you go to Exhibit No. 3 and review  
18 the significance of that for the examiner, please.

19 A. Exhibit No. 3 is a map produced by Midland  
20 County Map Company of southeast New Mexico. On the  
21 map we superimposed the pool boundaries of the Eumont  
22 and Jalmat and Rhodes Pools.

23 We show the two main pipelines that access  
24 and are common to both pools, the Sid Richardson or  
25 formerly El Paso line, the Northern Natural Gas

1 pipeline. Conoco's witness had testimony to the fact  
2 that there are several other gatherers out there, that  
3 being Phillips, Warren, Texaco. Those are smaller  
4 gathering systems. These are primarily the two  
5 interstate pipelines that service the pool.

6 And it's interesting to note that the trend  
7 of the pipelines follows the trend of the pool. They  
8 develop the pipelines along the pool as it was  
9 discovered.

10 Q. Looking at Exhibit No. 4, would you review  
11 the significance of that for the examiner.

12 A. Exhibit 4 is a map that illustrates Doyle  
13 Hartman's Jalmat and Eumont activity in 1989 and  
14 1990. It shows we've been an active operator in the  
15 field. Illustrates that we've drilled four Eumont  
16 wells in the past year, we've drilled four Jalmat  
17 wells, and I'll get into discussing some of those  
18 results at a later time which will substantiate the  
19 500 to 600 Mcf a day minimum allowable range that  
20 we're all here requesting. Again, it shows the pool  
21 boundaries.

22 Q. Could you --

23 A. Let me make a note that also in the pool we  
24 show a cross-section A-A' that we'll be bringing up.  
25 The main reason for showing this cross-section is just

1 to show the massive effect, the hugeness and the  
2 largeness of this gas pool, being the third largest  
3 gas pool in the lower 48. It is drawn and correlated  
4 on one of the continuous producing zones through the  
5 trend.

6 Q. Turning to Exhibit No. 5, could you review  
7 the significance of that for the examiner, please.

8 A. Exhibit 5 is just a 3-D block diagram of  
9 the producing horizons in the Eumont Pool, the similar  
10 producing horizons in the Jalmat, Langlie-Mattix and  
11 Eunice South Pool. All of these pools are defined and  
12 make up the third largest gas field in the lower 48.

13 Q. Turning now to Exhibit No. 6, would you  
14 explain the significance of this cross-section?

15 A. Exhibit No. 6 is a cross-section that's  
16 depicted on the land map, Exhibit No. 4, A-A'. It's  
17 primarily a north-south trending cross-section  
18 beginning in the Eumont Pool with A' and continuing on  
19 through the Yates or the nonprorated Rhodes-Yates  
20 Field at A'.

21 It shows one of the continuous pay zones in  
22 the trend, that being the lower Yates zone as being  
23 continuous, having similar reservoir qualities and  
24 parameters, net thickness, things of that nature.

25 One of the reasons I wanted to show this

1 map was because, as Joanne mentioned earlier, we had a  
2 lot of past activity in the Jalmat Pool. That's where  
3 a lot of our expertise or a lot of our examples that  
4 we'll be bringing forth to the Commission to show what  
5 infill drilling can do in the Eumont Pool. We present  
6 this cross-section to show that the Jalmat Pool is an  
7 analogous pool, similar -- some will make the argument  
8 it's the same pool, but we show that it's a similar  
9 pool, and that we can expect results in the Eumont  
10 Pool similar to what happened in the Jalmat Pool.

11 Q. Turning to the next group of exhibits, you  
12 have Exhibits 7-A, B, and C.

13 A. Exhibits 7-A, 7-B, and 7-C are just rough  
14 estimates of the remaining gas in place today along  
15 this huge gas field in the trend.

16 Exhibit 7-A takes the data that was  
17 presented in Exhibit 1 from the rankings. They  
18 estimate initial recoverable reserves of 9.8 Tcf, or  
19 as I've listed there, 9,800 Bcf. We subtracted to the  
20 best of our knowledge the cumulative production from  
21 all the pools and show the remaining recoverable  
22 reserves along this trend to be approximately 739  
23 Bcf.

24 I'll make a note here that there's probably  
25 only been two or maybe three or four fields since 1955

1 that have been discovered that have more than a Tcf of  
2 initial recoverable reserves. Two of them are in  
3 Texas, Gomez and Coyanosa. It just kind of puts this  
4 field in perspective as to how much gas was there, how  
5 much gas remains.

6           Down further there, I make a little  
7 calculation that based on an extensive study that we  
8 undertook that involved 32 wells in the Eumont and  
9 Jalmat field or 32 prospects, we anticipated an  
10 average recovery of 1.612 Bcf per well. We've  
11 estimated out of that 739 Bcf of remaining recoverable  
12 reserves, only 301 Bcf will be recovered by the  
13 existing wells in the field right now. That leaves  
14 approximately 438 or almost half a Bcf of remaining  
15 reserves that we feel like will only be accessible due  
16 to infill drilling.

17           Here again, a calculation has been made of  
18 taking the 438 Bcf of recoverable reserves, divided by  
19 what we feel is an average recovery per well, multiply  
20 it times our cost per well, we see a potential  
21 investment into the Lea County area to recover these  
22 reserves of \$171 million.

23           Exhibit 7-B is simply a material balance  
24 P/Z plot of the Eumont Gas Pool as a whole. You can  
25 see by extrapolating the P/Z data that the estimated

1 remaining reserves in the Eumont Gas Pool could be .89  
2 Tcf or 890 Tcf.

3           If you'll look at Exhibit 7-C, to keep  
4 consistent with the first Exhibit A estimate of  
5 recoverable reserves or remaining reserves is 739  
6 Bcf. We'll add the Jalmat reserves estimated by P/Z  
7 at .49 Tcf. If you add .49 Tcf to .89, you get about  
8 1.3 Tcf or 1,380 Bcf of remaining reserves along this  
9 trend.

10           Those culmination of exhibits basically go  
11 to show that there's a lot of gas there.

12           Q.     Looking at Exhibit No. 8, would you please  
13 review the significance and discuss what this exhibit  
14 demonstrates for the examiner?

15           A.     As I mentioned earlier, we undertook a 32-  
16 well study. We studied in great detail 32 prospects.  
17 From those we evaluated them for total recovery,  
18 rates, reserves, and we calculated an average recovery  
19 per well. That average recovery per well is  
20 approximately 1.612 Bcf, which we feel confident in  
21 our numbers, and they also coincide with the numbers  
22 that Mr. Hart presented in his presentation using  
23 exponential decline and a 440 Mcf per day initial  
24 rate. This is a graph utilizing that 32 well average  
25 results versus the allowable rates.

1           What we did was we varied allowable rates  
2 and ran economics on our average well and then plotted  
3 the results of those economics versus the allowable  
4 rate. We feel like or it's interesting to note that  
5 on your return on investment, your discounted return  
6 on investment, you reach an acidotic rate of between  
7 500 and 600 Mcf a day, which is in agreement with what  
8 Texaco and the other operators are here asking for.

9           I know the examiner asked earlier where the  
10 600 a day came from, and Mr. Hart replied that it was  
11 from an average of the Eumont operators. It's  
12 encouraging to know that when you undertake an  
13 economic study and vary the allowable rate, that it  
14 looks like that 600 Mcf a day is an optimum.

15           Also plotted on the chart are the before  
16 tax payout in years versus the allowable and the  
17 discounted payout time in years versus the allowable.

18           You can see at the present, 1989 allowable  
19 level of approximately 300 Mcf a day in the Eumont,  
20 you're looking at a discounted payout of in excess of  
21 four years. You're looking at an undiscounted payout  
22 of approximately three-and-a-half years.

23           A lot of major companies or Conoco has  
24 presented testimony and so has Texaco that those kind  
25 of payouts will not allow them to compete for funds

1 and budgetary moneys to develop this field.

2           If you look at the 600 a day allowable  
3 rate, you'll notice a payout both discounted and  
4 undiscounted of approximately two years. We feel like  
5 that this will allow or it's apparent and with the  
6 support of other companies that this will -- that this  
7 kind of allowable level will allow for budget  
8 expenditures to develop this large amount of gas  
9 left.

10           If that does not happen, these reserves are  
11 not developed, we feel like that's a waste for the  
12 State of New Mexico.

13           Q.     There's a second page to this exhibit, Mr.  
14 Stewart. Could you tell us what that second page  
15 shows?

16           A.     The second page is primarily just a  
17 tabulation of the data presented in graphical form.

18           Q.     Turning now to Exhibit No. 9, would you  
19 please identify that and review the significance and  
20 the information thereon for the examiner.

21           A.     Exhibit No. 9 is what we call our gas  
22 prospect evaluation sheet. As I spoke earlier, we  
23 undertook a 32-prospect study. Basically what we did  
24 is we filled out one of these sheets for every  
25 prospect.

1           This particular sheet just shows the  
2 average results of all of those 32 summed together.  
3 We'll note that the average acreage factor that we had  
4 was 1.091. That's just the way that our acreage  
5 accumulated.

6           You'll note that initial wellhead pressure,  
7 142 pounds. Some people that don't know this field  
8 will make the argument that the field's depleted, that  
9 that's a low pressure reservoir. We realize that it  
10 is a low pressure reservoir. That's why we feel  
11 modern infill drilling and using modern completion  
12 techniques will allow you to efficiently drain the  
13 amount of gas that's out there.

14           They may say that that field is 90 percent  
15 depleted. If it is 90 percent depleted, there's still  
16 10 percent left, but 10 percent of 10 Tcf is 1 Tcf,  
17 and that's a lot of gas. We feel it's imperative to  
18 have some infill drilling with new modern completions  
19 to recover this gas. But, also, it's advantageous to  
20 have higher allowables to increase the activity to  
21 develop this field.

22           On down the work sheet, we show our -- we  
23 ran this based on 100 percent working interest, our  
24 average net revenue. We assumed or had some  
25 information concerning gas pricing.

1           I'll note in a later exhibit that when we  
2 calculated our economics, we escalated our gas  
3 pricing, which we're optimistic towards the future.  
4 We think escalation of gas pricing is a valid  
5 assumption. Even with that escalation, it appears  
6 that an allowable rate of 600 Mcf a day is going to be  
7 necessary to develop this field to its potential.

8           Another thing that we show there is our  
9 costs. I've got an exhibit later on that illustrates  
10 our actual costs that we incurred in drilling eight  
11 wells in the past year. You'll note they're a lot  
12 higher than what's been furnished to you so far. One  
13 of the reasons they're higher is we feel like we get a  
14 little better results when we spend more money.

15           Another thing that you'll note is we've got  
16 \$92,000 in there per well for gathering and  
17 compression costs. We feel like the other folks  
18 didn't have that in there, but you'll notice that  
19 their netback wellhead price is lower than ours. We  
20 feel like by us building our gathering system, we can  
21 increase our net wellhead back price.

22           But regardless of all these input  
23 parameters, we still come to the same conclusions  
24 independent that Texaco and Conoco has shown, and that  
25 is a 600 Mcf a day allowable seems economically

1 justifiable.

2 I'll go on and talk a little bit about  
3 Exhibit 9-A, which is attached to 9. We view things a  
4 little bit different out here. As other expert  
5 witnesses have testified, there's a lot of wells out  
6 there that have got deliverability in excess of the  
7 current allowables, and they foresee those wells to  
8 have deliverability in excess of a 600 minimum a day  
9 allowable.

10 We calculate C factors, which is a  
11 reservoir and engineering parameter -- we calculate C  
12 factors to estimate the deliverability of our wells  
13 based on pressures and offset wells. We incorporate  
14 that C factor into our economics, and we calculate how  
15 long the well will remain a nonmarginal, or we call it  
16 a noncapacity or a nonmarginal well producing and  
17 limited by allowables. We calculate how long that  
18 well will be at that rate based on reservoir  
19 parameters. And then once the parameters we put into  
20 it dictate such, then the well starts to decline.

21 Exhibit 9-A is just an example of that  
22 calculation. That calculation also shows when we feel  
23 like compression will have to be added to the well.

24 I guess one of the biggest things that I'd  
25 like to get across by these two exhibits is to show

1 you that we went to a lot of work to come up with  
2 these average reserves, evaluated a lot of wells and a  
3 lot of prospects out there, and feel confident in  
4 them.

5 Q. If you're ready to move on to Exhibit No.  
6 10, would you please identify and review it for us.

7 A. Exhibit 10 is just a summary of our actual  
8 drilling and completion costs. I noted previous that  
9 other operators' expenditures are less than ours. We  
10 do things a little bit different because we feel like  
11 by spending more money, we'll maximize the long term  
12 recovery of the gas in the reservoir. And this just  
13 details that, and it's part of the input into our  
14 economic calculations.

15 There again, you'll notice the \$39,000 for  
16 gathering and compression costs. That's primarily  
17 just gathering costs. We've added compressions costs  
18 in later. But that's primarily due to the new way we  
19 have to go about marketing our gas. A lot of gas  
20 gatherers, if you drill a new infill well, a lot of  
21 folks, you have the option now to market the gas  
22 yourself. And that entails sometimes installing  
23 gathering facilities, measurement facilities to get  
24 the gas to the existing pipelines existing facilities,  
25 and we've taken that procedure and approach. We lay

1 two existing pipelines. We feel like in the long run,  
2 it will maximize our profits.

3 Q. Looking at Exhibit No. 11, would you tell  
4 us what that is?

5 A. Exhibit No. 11 is just a plot of our spot  
6 pricing scenario. It shows that we assumed \$1.90 for  
7 the year 1990 rather than the shown price of  
8 approximately \$2.25 based on what we observed earlier  
9 in this year, but it shows that we escalate prices and  
10 have an optimistic outlook for gas prices in the  
11 future.

12 Q. Are these the prices that you used in  
13 compiling the previous exhibits?

14 A. That's correct, these are the prices we  
15 used.

16 Q. Moving on to Exhibit No. 12, would you  
17 identify that and review what that shows for the  
18 examiner.

19 A. Exhibit No. 12 is a similar graph to the  
20 typical modern Eumont/Jalmat well graph that was  
21 presented before except this is kind of the proof in  
22 the pudding. We've drilled a well, a Eumont well,  
23 infill Eumont well. We've produced it. We've tested  
24 it. And now we've come back, and we've run economics  
25 on it, and we've run those economics varying the

1 allowable rates. We've used actual costs. We've used  
2 actual working interest, net revenue interest.

3 And, here again, you can see a real good  
4 correlation to the optimum allowable, being about 600  
5 Mcf a day, which Texaco and the rest of the operators  
6 we believe are supporting in this case.

7 Q. What does page 2 of that exhibit represent?

8 A. Page 2 is again the tabulation of the  
9 graphical data.

10 Q. Looking at Exhibit No. 13, would you  
11 identify that and review that for the examiner,  
12 please.

13 A. Exhibit No. 13 are the economic input  
14 parameters that I spoke of earlier except they're  
15 specific to an actual well that's been drilled, that's  
16 been produced, that's been tested. These are just the  
17 input parameters that went into calculating based on  
18 varying the allowables, the previous graph, Exhibit  
19 No. 12.

20 Q. So this exhibit addresses the Turner State  
21 No. 3 as well?

22 A. That's correct.

23 Q. And the previous exhibit addressed the  
24 Turner State No. 3?

25 A. Right, and was specific as to an actual

1 Eumont well.

2 Q. Turning to Exhibit 13-A, could you tell me  
3 what that exhibit shows, attached to Exhibit 13, I  
4 believe.

5 A. That's correct. Exhibit 13-A is just an  
6 example of how we compute our reserves. We observe  
7 slopes in offset wells based on P/Z data, and we take  
8 the inverse of that or the reciprocal of that slope,  
9 and we get a recovery in Mcf per psi.

10 We then estimate the pressure that we'll  
11 encounter in the reservoir. And simple math will get  
12 you to our ultimate reserves. In this instance for  
13 the Turner State, 1.56 Bcf.

14 Q. Looking at Exhibit 13-B, would you please  
15 review that for the examiner.

16 A. Exhibit 13-B is again what we call well  
17 deliverability versus market ratable take  
18 calculations. It assumes an allowable, and based on  
19 the reservoir characteristics and well parameters, it  
20 calculates or leads you to a calculation of when the  
21 well will require compression, which is in the case of  
22 the Turner State, it calculates that the well will  
23 require compression in approximately 2.26 years. And  
24 that compression is based on the existing line  
25 pressure today.

1           And then it goes on to calculate the time  
2 at which the well will become a marginal well or a  
3 capacity well, producing at capacity, not being choked  
4 or pinched back. That, in this case, is 3.98 years.

5           Q.       Looking at Exhibit No. 14, could you please  
6 identify that and review for the examiner what it  
7 shows.

8           A.       Exhibit 14 is a plot of Eumont and Jalmat  
9 nonmarginal allowables for an acreage factor of 1  
10 versus time.

11                   The thing that I just want to touch on  
12 that's already been talked about by Mr. Hart with  
13 Texaco is the early 80-81 -- the early time period  
14 depicted in this graph, that being 1980, 81, and 82  
15 when the allowable rates were predictable and stable.  
16 You can see since that time, they've deteriorated  
17 greatly. We feel like for the optimum recovery of the  
18 field, which is a major resource to the State of New  
19 Mexico, we've got to get back to some kind of  
20 predictable and stable allowable rates to allow for  
21 the development of this resource.

22           Q.       Turning to Exhibit No. 15, please review  
23 that.

24           A.       Exhibit No. 15 probably is improperly  
25 titled. That should be called Pool Infill Drilling

1 Results. As I stated earlier, we feel like the Jalmat  
2 is an analogous pool to the Eumont, and the results  
3 we've obtained in the Jalmat can be utilized in  
4 projecting what can happen to the Eumont Pool.

5 This shows total pool production in the  
6 Jalmat Pool, being the upper one, and on the blow-up  
7 it's in the orange. Then it shows Doyle Hartman's  
8 gross Jalmat production.

9 If you're familiar with Hartman and his  
10 operations and past practices, he drilled several  
11 infill wells in the Jalmat field. That's where the  
12 bulk of his activity was. You can see he started out  
13 in 1976 with very little gas production. And you can  
14 see when he ended up just after selling all of his  
15 production to Meridian in the early part of 1990, that  
16 his gross share of production accounted for  
17 approximately 35 percent of the entire pool's  
18 production. That 35 percent is solely attributable to  
19 infill drilling.

20 Q. Looking at Exhibit No. 15-A, would you  
21 please review that for the examiner.

22 A. 15-A is just a blow-up of the time period  
23 for Hartman's production from December of 1988 through  
24 mid-February of 1989.

25 If you'll go back and look at Exhibit 15,

1 you'll notice that spike during that time period, late  
2 88, early 89, there again, that's approximately  
3 probably a little bit more than 35 percent of the pool  
4 production, Hartman's share -- his Jalmat gross  
5 production is approximately 35 percent of the entire  
6 pool's production.

7           What we've done, this is just a blow-up.  
8 Exhibit 15-A is a blow-up of his production, both net  
9 and gross, on a daily basis based on our pumper's  
10 field estimates.

11           What's interesting to note here is in late  
12 December of 1988, the OCD issued a moratorium letter.  
13 You can see an immediate increase in production from  
14 15 MMcf per day to over 25 MMcf per day, or an  
15 incremental production of 10 MMcf per day just from  
16 Hartman's wells. That 10 MMcf per day primarily came  
17 out of 25 or so nonmarginal wells that were pinched  
18 back drastically.

19           Q.     Mr. Stewart, can I interrupt you a minute?  
20 What did the NM OCD moratorium letter do?

21           A.     That allows operators because of the  
22 shortages of gas and the need for gas throughout the  
23 country to produce their wells that are currently  
24 being restricted by allowables at capacity. That 10  
25 MMcf per day additional increase out of 25 wells is

1 approximately 400 incremental Mcf per day per well.

2 We're here to ask for a minimum allowable  
3 of 600 per day. These wells were producing, pinched  
4 back, to approximately 200 Mcf a day. When the  
5 moratorium letter came out, they were opened up, and  
6 we got an incremental 400 Mcf a day, making a total of  
7 approximately 600 Mcf a day out of these wells.

8 So what we're asking for the OCD to do in  
9 establishing a minimum allowable of 600 Mcf a day is  
10 not unrealistic, that the wells can produce at those  
11 rates.

12 Q. Looking at Exhibit No. 16, would you please  
13 identify and describe what it shows for the examiner.

14 A. Exhibit No. 16 is a stack plot on the  
15 blow-up, and it might help if you take Exhibit -- they  
16 are both the same exhibit numbers, and lay them one on  
17 top of the other, with the Late Thomas 1, 2, and 3  
18 production versus allowable on top, and then the Late  
19 Thomas 1, 2 and 3 times over and underproduced below.

20 I'll refer to the production versus  
21 allowable plot first. This was an old Jalmat lease  
22 that's also shown in our cross-section, an example of  
23 infill drilling in the Jalmat field which we feel is  
24 analogous to the Eumont field, and we expect similar  
25 results in the Eumont field. But you can see the

1 production in the early 80's is very marginal, less  
2 than 100 Mcf per day. That was an old well, the Late  
3 Thomas No. 1. That well has accumulated approximately  
4 4 Bcf over its life.

5 Hartman acquired the lease, came in and  
6 drilled two infill wells. That accounts for the  
7 drastic increase in production. Those wells were, as  
8 you can see, classified as nonmarginal. They were  
9 restricted from the allowable when they came on.

10 The coincidence of the plots being similar,  
11 the allowable plot versus the production plot, and in  
12 some cases, the production plot being in excess of the  
13 allowable plot. Specifically, middle 1987 shows that  
14 these wells had deliverability in excess of the  
15 allowables and were being constrained by allowables.

16 The plot down below or the times over and  
17 under, which is on the blow-up, the plot below, shows  
18 how we tabulate. Of course, the prorationing rules  
19 that govern the Jalmat Pool are similar to the Eumont  
20 in that you cannot be allowed -- you cannot allow your  
21 well to become six times overproduced. And this is  
22 one of the ways that we monitor that.

23 What's interesting to me, again, is in  
24 early 87, the well was -- the lease -- this is a  
25 320-acre proration unit with two infill wells on it

1 and one old well, but in early 87, you can see that  
2 the lease was approximately three times  
3 underproduced. And in three months' time period, the  
4 lease went from being -- the proration unit went from  
5 being three times underproduced to being almost six  
6 times overproduced. That's an illustration of  
7 deliverability of these wells and how they're being  
8 constrained.

9           If you'll look at the time period from  
10 mid-87 all through 1988, you can see that we're up  
11 against our six times overproduced limit.

12           If you'll refer back to the production  
13 plot, you'll see our production is just slowly coming  
14 down. Some people might argue that that's a decline.  
15 It's not. Those wells aren't declining. That's  
16 evidenced by the production increase in 1990. That's  
17 simply a function of the allowables and our conforming  
18 to the allowable rule that you can't allow your lease  
19 to be produced six times over.

20           Q.     Turning to Exhibit No. 17, would you please  
21 review what that exhibit shows for the examiner.

22           A.     Exhibit 17 is again a summary or an example  
23 of the same Late Thomas-Jalmat lease. This Exhibit 17  
24 shows the old well, the No. 1 well producing through  
25 1981 with a cumulative production of approximately 4

1 Bcf.

2 It shows drilling the No. 2 and the No. 3  
3 wells, their effects on the production. It shows in  
4 March of 1990 that 97 percent of the lease production  
5 came out of the infill well. And it shows a  
6 cumulative production due to infill drilling, just due  
7 to infill drilling, and that's just cumulative  
8 production, that's not estimated ultimate recovery,  
9 was approximately 1.6 Bcf. And the wells are still  
10 producing, or the lease still has the producing  
11 capability of making over 1 million standard cubic  
12 feet per day.

13 Q. Can you tell me what Exhibits 17-A and B  
14 demonstrate?

15 A. 17-A and B are just the two wells, the Late  
16 Thomas 2 and 3, broken out on an individual basis  
17 rather than a summary basis.

18 Q. Turning to Exhibit No. 18, would you please  
19 review what that exhibit shows.

20 A. Exhibit 18 is two plots, shut-in pressure  
21 versus cumulative production and commonly referred to  
22 as material balance.

23 The plot on the left, Late Thomas No. 1 and  
24 2, shows old well and new well. Late Thomas No. 1,  
25 you can see the drastic and steeply declining slope

1 associated with that. As I testified earlier, it had  
2 a cumulative production of approximately 4.5 Bcf. Its  
3 producing capabilities are very low.

4 Hartman goes in and drills the Late Thomas  
5 No. 2, an infill well, and based on the shut-in  
6 pressures versus cumulative production for that lease,  
7 it shows that that well will recover an incremental --  
8 estimated incremental 2.2 Bcf of reserves.

9 If you go over to the Late Thomas No. 3,  
10 which is on the right side of the blow-up and of your  
11 exhibit, that's a plot of shut-in pressure versus  
12 cumulative production for the No. 3 well,  
13 extrapolating the pressures to an abandonment pressure  
14 of approximately 23 psia. That shows projected  
15 ultimate recovery due to infill drilling of 1.76 Bcf.

16 The projected recoveries, the infill  
17 drilling of the No. 2 and No. 3, that being 1.76 Bcf  
18 plus 2.2 Bcf, you get almost 4 Bcf of additional  
19 reserves that infill drilling are responsible for  
20 here.

21 Q. Turning to Exhibit No. 19, would you please  
22 review what that exhibit shows for the examiner.

23 A. Exhibit 19 again is a result of an infill  
24 drilling. This is specific to the Eumont Pool. It's  
25 a recently drilled well, that being the State "E" Com

1 lease located in Section 16.

2           It had an old well, the No. 2 well on it.  
3 Hartman acquire the lease, went in, drilled the well.  
4 It came on in January of 1990, had test rates in  
5 excess of 2 million a day, produced in excess of 2  
6 million a day during the month of January.

7           We've since pinched the well back,  
8 basically due to low gas prices. And that's one thing  
9 that I was going to talk a little bit about that Mike  
10 showed in his plot, the shutting in of wells and  
11 bringing them back on based on allowables, the  
12 deliverability of the wells, and the allowables that  
13 they are allowed to produce. We feel like, and the  
14 examiner had some questions about if a 600 a day  
15 minimum allowable is established, are we going to see  
16 allowables in excess of 600 a day.

17           We don't think so because we're in a  
18 market-driven time right now. From January of 1990 to  
19 February of 1990, gas prices decreased approximately  
20 fifty cents per MMBtu. The operator is going to make  
21 a decision at that point in time whether he wants to  
22 market his gas at those clearing levels.

23           With that in mind, with a minimum allowable  
24 in mind, and him knowing his deliverability of his  
25 well, it will allow him to maximize his return by

1 selling his gas at peak times. For that reason and  
2 based upon the past historical evidence of the 1980,  
3 1981, and 1982 allowable levels, we don't think you'll  
4 see allowables in great excess of 600 Mcf a day.

5 But, here again, I've shown on this plot  
6 our projected production for this lease, the orange or  
7 the upper one being projected production at 600 Mcf a  
8 day minimum allowable, and then the blue or the lower  
9 one being the 1989 approximate allowable level of 300  
10 Mcf per day.

11 You can see that this lease is a pretty  
12 good lease and will be constrained by allowables, even  
13 600 a day, for quite some time.

14 The other data depicted at the bottom of  
15 the Exhibit 19 is just supplemental. It shows annual  
16 shut-in pressures, and it shows production history  
17 from the well on a daily basis up through fairly  
18 recent time, middle August.

19 Q. Turning to Exhibit No. 20, would you please  
20 review what this exhibit shows for the examiner.

21 A. Exhibit No. 20 is again -- I make reference  
22 back to the economics that we ran specific to the  
23 Turner State No. 3 Well. This is a result of an  
24 infill drilling program in the Eumont. It shows the  
25 old Eumont, being the Turner State No. 2, ceased to

1 produce in approximately 1981. It shows the time  
2 period when there was no development on the lease,  
3 primarily due to low allowables, that the lease did  
4 not generate any revenue for the state in the form of  
5 royalties. This is a state lease.

6           When Hartman acquired the lease, he was  
7 allowed to drill it. It's had test rates and  
8 production in excess of the proposed 600 minimum a day  
9 allowable. And, again, I show our projections based  
10 on the -- corresponding to those specific economics  
11 that we presented earlier, the upper projection being  
12 600 Mcf a day minimum allowable, the lower one being  
13 the current 1989 average of 300 Mcf a day.

14           You can see at 300 Mcf a day, the well is  
15 constrained by allowables for approximately eight  
16 years. At 600 Mcf a day, the well will be constrained  
17 by allowables for approximately three years, a little  
18 bit over three years. I believe it was four years.

19           Q.     Mr. Stewart, were Exhibits No. 1 through 20  
20 prepared by you or at your direction?

21           A.     Yes, they were.

22           MS. REUTER: At this time I move the  
23 admission of Exhibits 1 through 20.

24           HEARING EXAMINER: Exhibits 1 through 20  
25 will be admitted as evidence.

1 Q. (BY MS. REUTER) Mr. Stewart, based on the  
2 evidence introduced and your expertise, do you have an  
3 opinion as to whether a minimum allowable of 600 Mcf  
4 per day will promote conservation, prevent waste, and  
5 protect correlative rights in the Eumont Pool?

6 A. I do have an opinion on that.

7 Q. What is that opinion?

8 A. I feel that this is a large field with  
9 large existing remaining reserves, and it's an  
10 invaluable resource to the State of New Mexico. And  
11 it needs to be developed. It needs to be developed  
12 based on operators' economic parameters and the  
13 decisions made by them, primarily. They're the ones  
14 that are out there risking the money. They're the  
15 ones that need to be involved and need to have  
16 economic benefits available to them so that this field  
17 can compete for moneys that could be attributable to  
18 other budgets that they've got.

19 I think if we don't go about changing some  
20 of this, that some of the pipeline facilities in the  
21 field, if the field is not developed or not infill  
22 drilled or is not allowed to be developed, some of the  
23 pipeline facilities are going to go away. They're not  
24 going to be there. Mainly because if there's no gas  
25 there, if there's no activity there, they're going to

1 leave. There's no benefit for them. They can't make  
2 money. They make money by transporting gas. If  
3 there's no gas there, they won't be able to make  
4 money.

5 I think that we need to take a lot of care  
6 in evaluating the development of this field because  
7 our skilled labor force is already leaving this area.  
8 We work real closely with the folks in this area in  
9 Jal and in Eunice and in Hobbs, and due to the minimal  
10 activity out there in the past four or five years,  
11 there's a lot of people that are going out of  
12 business. There's lot of folks in Jal that are going  
13 out of business.

14 You're having a lot of trouble finding  
15 skilled labor folks to drill wells, roughnecks, things  
16 of that nature. They're all running off to the Chalk  
17 trend, to drill in the boom down there because it's  
18 economical for them. They can't make a living out in  
19 this area.

20 We feel like the operators need to be the  
21 ones who have the majority of the input in how this  
22 field gets developed. If it's left up to a lot of  
23 governmental constraints, then we may lose a valuable  
24 resource.

25 I believe that by establishing that the

1 Jalmat is similar and an analogous pool to the Eumont,  
2 that the results that we have seen in the Jalmat can  
3 be applied to the Eumont, and that infill drilling  
4 will be successful in the Eumont. For that reason,  
5 with the estimated large amount of gas remaining in  
6 the field, we need to proceed. And the thing that  
7 will allow a lot of operators to proceed out there is  
8 a minimum allowable.

9 Q. Mr. Stewart, have you formed any opinion as  
10 to whether minimum allowables should be set in the  
11 Jalmat Pool if one is set in the Eumont Pool?

12 A. Yes, I have. I stated before that I  
13 believe they're similar. And I will go on record as  
14 it's my belief that they are the same pools produced  
15 from the same horizons. And establishment of a Eumont  
16 minimum allowable will cause the -- it will limit the  
17 Jalmat development and may cause the correlative  
18 rights not to be protected by operators in the Jalmat  
19 Pool.

20 Withdrawals in the Eumont Pool could be  
21 greater than those in the Eumont Pool. That is high  
22 quality reservoir with high permeability.  
23 Specifically, leases along the pool boundary, Jalmat  
24 leases that are only allowed to withdraw at rates  
25 specific to their imposed allowable have to compete

1 with Eumont wells that can get to draw if the minimum  
2 allowable is found at 600 Mcf a day. And gas will  
3 migrate across that boundary, and correlative rights  
4 could be impaired.

5           The other thing that we've got a short-term  
6 concern about is gas pipeline and access to markets.  
7 One of the pipelines out there has got a  
8 transportation policy, "first on, last off," and it's  
9 mainly the pipeline that we deal with. That means for  
10 interruptible supplies, when you nominate your gas  
11 into the marketplace, the folks that nominate the gas  
12 first, their gas flows 100 percent. Then you go on  
13 down the road. If I'm No. 6 in line, and I make my  
14 nominations, and they have capacity constraints, which  
15 we don't think will be long-term capacity constraints,  
16 they may just be short-term capacity constraints,  
17 because if there's more gas produced out there, then  
18 the pipelines are going to make an investment and  
19 increase their compression facilities, increase their  
20 treating facilities. But in the short-term we may be  
21 denied some market access because the Eumont in effect  
22 has first shot at excess capacity by giving them a  
23 minimum allowable without one being granted for the  
24 Jalmat.

25           So in that regard, we'd like for the

1 Commission to wait on the ruling of the Eumont until  
2 we have presented our Jalmat case, the 17th of  
3 October.

4 Q. What exhibits do you have to support that  
5 opinion?

6 A. Insofar as protection of correlative  
7 rights, I've got one exhibit that shows annual shut-in  
8 pressures along the pool boundary versus time. This  
9 exhibit shows that --

10 Q. Shall we turn to that exhibit? It's  
11 Exhibit No. 21.

12 A. Yes, we could. Exhibit No. 21 shows that  
13 these are wells that are highlighted on the  
14 cross-section that are at approximate three-mile area  
15 trending along the cross-section, four of them being  
16 in the Eumont Pool, four of them being in the Jalmat  
17 Pool.

18 You can see the similarity of the decline  
19 of the shut-in wellhead pressure, which is essentially  
20 the reservoir pressure, with some correction versus  
21 time. These all wells decline similarly and have  
22 similar pressures. We feel like that shows there's  
23 excellent communication between these wells, drainage  
24 and counterdrainage occurs. With Eumont wells along  
25 the boundary being allowed to withdraw at rates higher

1 than Jalmat wells, it will give the Eumont wells an  
2 unfair advantage.

3 Q. Was this exhibit prepared by you or under  
4 your direction?

5 A. Yes, it was.

6 MS. REUTER: At this point, I'd move into  
7 evidence Exhibit No. 21.

8 HEARING EXAMINER: Exhibit No. 21 will be  
9 admitted as evidence.

10 Q. (BY MS. REUTER) Mr. Stewart, do any of  
11 the previous exhibits that you discussed support your  
12 position?

13 A. I believe all the previous exhibits I  
14 discussed support our position for a Eumont and a  
15 Jalmat minimum allowable.

16 Q. Do you have anything that you would add to  
17 your testimony at this time?

18 A. I find it kind of interesting -- I was down  
19 and picked up a copy of the docket, and a memorandum  
20 dated September 6 of 1990 issued by Mr. LeMay is  
21 asking for input on regulatory incentives to increase  
22 New Mexico's oil production.

23 I think that we're headed in the right  
24 direction here today, that maybe that title should be  
25 expanded to oil and gas production because gas is a

1 fossil fuel and replaces oil. As Mr. Zimmerman with  
2 Texaco -- excuse me -- with Conoco testified earlier,  
3 a lot of the EPA restraints out in California are  
4 really heading towards gas being a major fuel in the  
5 United States. A lot of C and G projects, compressed  
6 natural gas vehicles, things like that are headed our  
7 way.

8 I feel like this pool being such a large  
9 pool has to get its fair share of that marketplace.  
10 Right now that gas that's moving into California is  
11 coming from Canada, which is very highly subsidized by  
12 the government, their exploration programs and a lot  
13 of incentives, and that's the kind of gas we're  
14 competing with. With that competition in mind, I  
15 don't think that we need to be placing a lot of other  
16 constraints upon us.

17 Q. Mr. Stewart, you're not advocating that gas  
18 in the Eumont Pool or the Jalmat Pool be nonprorated?

19 A. No, not at all. We feel like there's a  
20 definite need for prorationing, and we feel that the  
21 six times over rule and the acreage size factors, size  
22 of proration units take that into account.

23 MS. REUTER: I have nothing further.

24 HEARING EXAMINER: Are there any questions  
25 of this witness?

1 MR. CARR: No, Mr. Examiner.

2 MR. STOVALL: I just want to ask you one  
3 question I've asked all the other witnesses, give you  
4 a chance. Do you think there should be a limit on it  
5 timewise?

6 THE WITNESS: No, I think it should be  
7 indefinite. I believe that, as a couple of our  
8 exhibits show, you're looking at almost a three-year  
9 payout based on a 600 Mcf a day minimum allowable.

10 MR. STOVALL: That answers my question.

11 MR. MORROW: I have one.

12 HEARING EXAMINER: Go ahead.

13 CROSS-EXAMINATION

14 BY MR. MORROW:

15 Q. How would you, in making this proposal, how  
16 would you visualize that the proration system would  
17 work? How would that minimum be incorporated into the  
18 current system, or are you proposing that it be  
19 incorporated or just used as an average or a fixed  
20 allowable or just how would you? Explain how you  
21 would like to see it work.

22 A. Well, I believe that that's going to be the  
23 subject of a discussion on this coming Monday,  
24 hopefully, and I don't know that I'm prepared to -- I  
25 haven't studied up on it enough according to the

1 proposed rule-making changes and things like that that  
2 provide for the establishment of a minimum allowable  
3 in the prorationing rules.

4 I think that a minimum allowable of 600 a  
5 day will allow the operators to develop the field, and  
6 that they will seek economic returns that will  
7 continue the development of the field. If we cut the  
8 minimum allowable to one year or two years or three  
9 years, we're not all prepared, and it's a continual  
10 process to develop this field. There's leases right  
11 now that produce gas and produce gas at economic  
12 rates, but in two or three years from now, those  
13 leases may not produce gas at economic rates. The  
14 wells could be abandoned prematurely.

15 And so without the establishment of a  
16 minimum, we might have a flurry of drilling today, and  
17 folks get their payout, but then we're again looking  
18 at three years from now, the field not being developed  
19 and activity being way down.

20 I don't know if I answered your question,  
21 but I hope that maybe we can address that some at the  
22 allowable hearing.

23 Q. In your mind, this proposal would be  
24 incorporated in with whatever is developed in regard  
25 to the recommendations coming before the Commissioners

1 on Monday; is that what you said?

2 A. That's correct.

3 HEARING EXAMINER: Any further questions of  
4 the witness? If not, he may be excused.

5 Is there a need for closing statements in  
6 this case?

7 MR. CARR: May it please the Examiner, we  
8 realize the hour is late. I do have the one marketing  
9 witness. We will confine his testimony only to  
10 Texaco's marketing effort in the area and can do this  
11 in just a matter of a couple of minutes, I believe,  
12 with your indulgence.

13 HEARING EXAMINER: You may proceed.

14 DOUGLAS A. DUKE,  
15 the witness herein, after having been first duly sworn  
16 upon his oath, was examined and testified as follows:

17 DIRECT EXAMINATION

18 BY MR. CARR:

19 Q. Would you state your full name for the  
20 record, please.

21 A. My name is Douglas A. Duke.

22 Q. Mr. Duke, by whom are you employed and in  
23 what capacity?

24 A. I'm employed by Texaco, Inc., as a gas  
25 sales manager.

1 Q. Have you previously testified before the  
2 Oil Conservation Division?

3 A. I have not.

4 Q. Could you briefly review your educational  
5 background and summarize your work experience.

6 A. I graduated from New Mexico State  
7 University in 1976 with a Bachelor of Business  
8 Administration Degree. I began working for Texaco as  
9 a gas sales representative after that. In 1979, I  
10 went to work for Northwest Pipeline as a gas purchase  
11 representative. In 1981, I returned to Texaco as a  
12 gas sales supervisor. And I became a gas sales  
13 manager in 1985, which I am now.

14 Q. What does that position with Texaco  
15 involve?

16 A. I'm responsible for gas marketing in the  
17 State of Texas and southeast New Mexico.

18 Q. Are you familiar with Texaco's marketing  
19 efforts in the Eumont Gas Pool?

20 A. Yes, I am.

21 Q. Are you the person responsible for  
22 marketing Texaco's production from the Eumont Pool?

23 A. Yes, I am.

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

1 HEARING EXAMINER: They are.

2 Q. (BY MR. CARR) Mr. Duke, what roles does  
3 Texaco play in the gas market as it relates to  
4 production from the Eumont Pool?

5 A. Texaco is unique in that we represent the  
6 marketplace as a producer of gas, as a buyer of gas,  
7 we transport gas from the various pipelines, and we  
8 consume gas in California.

9 Q. Are you familiar with the market demand for  
10 natural gas from southeastern New Mexico?

11 A. Yes, sir.

12 Q. How does that market demand compare today  
13 to the market demand as it existed in the early  
14 1980's?

15 A. It's comparable. We have ample offers to  
16 purchase our gas. We have ample need for gas in  
17 California for our own facilities, and there is  
18 essentially no curtailment of gas in southeast New  
19 Mexico.

20 Q. When we talk about Texaco's marketing  
21 efforts in the Eumont Pool, are we talking about only  
22 the purchasing of Texaco-produced gas?

23 A. No, sir. Our purchasing efforts extend  
24 beyond that.

25 Q. And you're taking gases produced by others

1 from the Eumont Pool?

2 A. That's correct.

3 Q. Where is this gas that's coming from the  
4 Eumont currently being sold?

5 A. It's being sold in southern California.

6 Q. If an allowable system reduces the  
7 production of gas from the Eumont Pool, where do you  
8 make up that gas, from what sources?

9 A. Our additional gas is obtained by  
10 transporting gas from West Texas, primarily.

11 Q. Then that gas is transported to California?

12 A. That's correct.

13 Q. If allowables were increased and production  
14 increased from southeastern New Mexico, what would  
15 happen to the Texas gas that you are now moving to  
16 California?

17 A. We have the flexibility with that gas to  
18 redirect it to Texas markets.

19 Q. You've been present for the hearing today,  
20 and you've heard the kinds of volumes of gas that  
21 we're talking about as potential incremental  
22 production from the Eumont Pool. If this gas comes  
23 into the system, do you see any overall impact on the  
24 gas marketing system in the western United States?

25 A. No, I don't. The market, in my opinion, is

1 large enough to amply absorb this volume of gas.

2 Q. Have you had experience with other pools in  
3 Texas where you've made changes in purchasing  
4 practices that have involved greater volumes of gas  
5 than what we're talking about in the Eumont Pool?

6 A. Yes. There's a field called the Headly  
7 Field. It's a cycling project just outside of  
8 Odessa. The combined volume available for sale at any  
9 particular time is 150 million cubic feet a day. 50  
10 million of that is Texaco's. That is what we term a  
11 discretionary source of gas. We sell it when prices  
12 are attractive, and we shut it in or cycle the gas  
13 when prices are not attractive. We have found when  
14 prices are attractive, and we add this 150 million a  
15 day of supply to the market, it does not have an  
16 impact upon the prices.

17 Q. In your opinion, is there market demand for  
18 all of the gas that can be produced from the Eumont  
19 Gas Pool under the proposed higher allowables?

20 A. Yes, there is.

21 Q. Is Texaco one of those purchasers who is  
22 prepared to purchase and transport that gas?

23 A. Yes, sir, Texaco would want to purchase as  
24 much of that as possible.

25 MR. CARR: That's all I have.

1 HEARING EXAMINER: Are there any additional  
2 questions of this witness? If not, he may be  
3 excused.

4 MR. CARR: There's only one other thing,  
5 may it please the Commission, I have a letter from  
6 Chevron USA, Inc., who I also do represent here today.  
7 It is a letter in support of the application.

8 It notes that Chevron is the largest  
9 operator in the pool, and basically the letter says  
10 that the application, if granted, they believe will  
11 result in a more stable economic base to enable  
12 operators to evaluate and develop the gas properties  
13 in the Eumont. They believe that the improved  
14 economics will both protect correlative rights and  
15 result in greater ultimate recovery of gas.

16 HEARING EXAMINER: Mr. Mollo, would you  
17 like to give your statement at this time?

18 THE WITNESS: Yes, I would. I have a  
19 letter which I mentioned earlier was written by David  
20 Kirkland, who is Gas Company of New Mexico's  
21 production control manager, and I'll just go ahead and  
22 read it.

23 MR. STOVALL: How long is the letter?

24 MR. MOLLO: It's very short. It will only  
25 take about three minutes.

1           "Gas Company of New Mexico especially  
2 requests that the following be considered in the  
3 decision for establishing a minimum gas allowable for  
4 the Eumont Gas Pool, Lea County, New Mexico. The  
5 assignment of minimum allowables is a departure from  
6 setting allowables based on market demand. This  
7 reflects economic forces rather than market forces.  
8 The setting of minimum allowable limits the  
9 opportunity for all producers to equally share in the  
10 market based on the well's ability to produce, thereby  
11 creating a disparity between producers and between  
12 producing elements. The reclassification of wells in  
13 response to production activities under the current  
14 rules minimizes allowables with help from market by  
15 nonproducing nonmarginal wells. Gas Company of New  
16 Mexico does not have contractual obligations with  
17 Texaco in the Eumont Pool. However, the impact of the  
18 proposed minimum allowable precedents applied  
19 statewide would be increased cancel allowables for  
20 wells unable to find a market for the increased  
21 production requirements associated with the high  
22 minimum allowables. This would add adverse economic  
23 impacts for natural gas consumers in New Mexico. The  
24 existing proration rules have provided adequate  
25 allowables in the Eumont Pool. Currently, there is

1 only one well shut in for overproduction in the Eumont  
2 Pool. Producing these wells would result in higher  
3 allowables assuming that there is a demand for this  
4 increased supply. If allowables are assigned based on  
5 minimum amount and not on market demands, the assigned  
6 allowable could be higher than required by the  
7 market. With no market for this potential supplies,  
8 higher allowables as set by the minimums are  
9 artificial and do not accurately reflect the market."

10 We believe that the current --

11 MR. STOVALL: There's a problem here with  
12 the fact that you are not -- do you wish to be sworn  
13 and make a statement?

14 MR. MOLLO: No, I don't think I should.

15 MR. STOVALL: There's a problem with making  
16 a nonsworn statement in a case of this nature as  
17 such. Reading the letter I think is the limit of what  
18 I'm recommending we allow in this case.

19 HEARING EXAMINER: Thank you, Mr. Mollo.

20 MR. MOLLO: Thank you.

21 HEARING EXAMINER: Do we need closing  
22 statements or would counsel like to make brief closing  
23 statements?

24 MR. KELLAHIN: I suggest we go home.

25 MR. CARR: I'll make one closing

1 statement. We would request that you go forward and  
2 consider our application on the merits and not further  
3 delay consideration of the minimum allowables for the  
4 Eumont.

5 HEARING EXAMINER: Is there anything  
6 further?

7 MS. REUTER: I don't believe we need to  
8 make a closing statement.

9 HEARING EXAMINER: In that case, Case 10036  
10 will be taken under advisement, and this hearing is  
11 adjourned.

12

13

14

15

16

17

18

19

20

21

22

23

24

25

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. \_\_\_\_\_,  
heard by me on \_\_\_\_\_ 19\_\_\_\_.

\_\_\_\_\_, Examiner  
Oil Conservation Division

## 1 CERTIFICATE OF REPORTER

2  
3 STATE OF NEW MEXICO )  
4 COUNTY OF SANTA FE ) ss.  
5

6 I, Deborah O'Bine, Certified Shorthand  
7 Reporter and Notary Public, HEREBY CERTIFY that the  
8 foregoing transcript of proceedings before the Oil  
9 Conservation Division was reported by me; that I  
10 caused my notes to be transcribed under my personal  
11 supervision; and that the foregoing is a true and  
12 accurate record of the proceedings.

13 I FURTHER CERTIFY that I am not a relative  
14 or employee of any of the parties or attorneys  
15 involved in this matter and that I have no personal  
16 interest in the final disposition of this matter.

17 WITNESS MY HAND AND SEAL September 20,  
18 1989.

19   
20 \_\_\_\_\_  
21 DEBORAH O'BINE  
22 CSR No. 127

23 My commission expires: August 10, 1994  
24  
25