

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

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

CASE NO. 12,347

PROPOSED APRIL, 2000 - SEPTEMBER, 2000, )  
GAS ALLOWABLES FOR THE PRORATED GAS )  
POOLS IN NEW MEXICO )

ORIGINAL

REPORTER'S TRANSCRIPT OF PROCEEDINGS

COMMISSION HEARING

BEFORE: LORI WROTENBERY, CHAIRMAN  
JAMI BAILEY, COMMISSIONER  
ROBERT LEE, COMMISSIONER

February 25th, 2000

Santa Fe, New Mexico

This matter came on for hearing before the Oil Conservation Commission, LORI WROTENBERY, Chairman, on Friday, February 25th, 2000, at the New Mexico Energy, Minerals and Natural Resources Department, Porter Hall, 2040 South Pacheco, Santa Fe, New Mexico, Steven T. Brenner, Certified Court Reporter No. 7 for the State of New Mexico.

\* \* \*

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OIL CONSERVATION COMMISSION  
CO HAR-9 PM 2:16

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February 25th, 2000  
Commission Hearing  
CASE NO. 12,347

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\* \* \*

1           WHEREUPON, the following proceedings were had at  
2   10:45 a.m.:

3           CHAIRMAN WROTENBERY: Okay, we'll go back on the  
4   record. We have several items left on the agenda.

5           The next one is Case 12,347. This is the hearing  
6   called by the Oil Conservation Division to consider  
7   proposed gas allowables for the prorated gas pools in New  
8   Mexico for the period April, 2000, to September, 2000.

9           OCD distributed allowable assignment factors by  
10   memorandum dated February 4th, 2000, as has been done for  
11   at least the last couple of years, since I arrived here two  
12   years ago anyway. The allowable factors that were  
13   recommended by the Division for the next proration period  
14   were the allowables used in the previous allocation period.

15           We have received one request to make an  
16   appearance in this particular matter. Mr. Gallegos, would  
17   you like to -- ?

18           MR. GALLEGOS: Yes, Madame Chairman, my name is  
19   Gene Gallegos, and I'm here with Michael Condon from my  
20   office, and we're appearing on behalf of Doyle Hartman who  
21   is a prominent operator in the Jalmat-Eumont Gas Pools of  
22   southeast New Mexico. We're prepared to present some  
23   evidence and other information to the Commission concerning  
24   those two pools.

25           CHAIRMAN WROTENBERY: Okay, would you like to go

1 ahead and make your comments.

2 MR. CARR: May it please the Commission, I'd also  
3 like to enter an appearance in this case. My name is  
4 William F. Carr with the Santa Fe law firm Campbell, Carr,  
5 Berge and Sheridan, and we would enter our appearance in  
6 this case for Raptor Resources, Inc. We do not intend to  
7 call a witness or make a presentation.

8 CHAIRMAN WROTENBERY: Thank you.

9 Anybody else, I'm sorry?

10 MR. KELLAHIN: Members of the Commission, I'm Tom  
11 Kellahin of the Santa Fe law firm of Kellahin and Kellahin,  
12 appearing on behalf of SDX Resources.

13 Prior to the hearing today, there was a  
14 prehearing statement filed by Mr. Hartman, and then there  
15 were responses filed by Mr. Carr on behalf of Raptor, and I  
16 filed a response on behalf of SDX.

17 Before we start presenting witnesses and  
18 testimony, I'd request that the Commission take action on  
19 those items so that you can clarify for us what will be the  
20 content of the process this morning.

21 MR. GALLEGOS: And Madame Chairman, maybe before  
22 you that, if that's in the nature of sort of a motion or  
23 something, we can address that and be on that, then we  
24 would have a couple of witnesses.

25 CHAIRMAN WROTENBERY: Okay. I guess, Mr.

1 Gallegos, if you could just summarize for us --

2 MR. GALLEGOS: All right. Well, let me do  
3 this --

4 CHAIRMAN WROTENBERY: -- the request you would  
5 like to make today.

6 MR. GALLEGOS: Well, let me do this, by way of  
7 sort of a statement.

8 We are here to achieve some streamlining for the  
9 Commission, seems to be the current byword. We will  
10 demonstrate that the Commission and this agency should do  
11 away with unnecessary, and legally unauthorized, regulation  
12 of two southeast New Mexico gas pools, the Eumont Pool and  
13 the Jalmat Pool.

14 First of all, we would point out to the  
15 Commission what the law is on the subject of setting so-  
16 called allowables for production of hydrocarbons from a  
17 pool, and particularly gas production.

18 By way of background, very briefly, prorationing  
19 and the setting of limits on the production of oil and gas  
20 is essentially an artifact of the early part of the 20th  
21 Century and extending in New Mexico through the 1930s into  
22 the 1980s.

23 And the principle was, and statutory authority  
24 was given to regulatory agencies, because there was a  
25 period in our history when the market demand for oil or the

1 market demand for gas was less than our states were able to  
2 produce. In other words, there was a glut. We've all  
3 probably read and heard about east Texas and oil prices  
4 going to five dollars a barrel and so forth.

5 So this scheme came in so that there would be a  
6 leveling out. And so market demand would sort of dictate  
7 what the production level would be, and the market wouldn't  
8 be ruling and the industry ruling.

9 So the statutory authority for any kind of  
10 setting of allowables in New Mexico is under 70-2-16, and  
11 for gas it's under Section C, and it gives the authority to  
12 the Division to set an allowable "...in an amount..." I  
13 have it, for the record, in front of the Commission on  
14 display here, an excerpt from that statute. "...in an  
15 amount less than that which the pool could produce if no  
16 restrictions were imposed..." That is the limit of legal  
17 authority that the Legislature has given to the Commission.

18 Now, in fact, there were many years historically  
19 -- and we'll have a witness to show that -- when, in fact,  
20 production permitting, New Mexico gas pools, most New  
21 Mexico gas pools, did exceed market demand, and the  
22 interstate pipelines made nominations, and it was less than  
23 what could be produced.

24 Well, what's happened is, the industry has  
25 changed, the interstate pipelines are no longer the



1 purchaser, the spot market has evolved, the demand for gas  
2 has grown. And now what has happened is, there's this  
3 anomaly of the setting of these allowables which are  
4 referred to as default allowables, this automatic allowable  
5 which now -- and this exhibit demonstrates the situation in  
6 the Jalmat Pool, 1996 forward.

7           The blue bar column for 1996 shows the amount  
8 that could be produced by the Jalmat Pool under this,  
9 quote, allowable system, and the amount of production that  
10 the pool actually produces. In other words, there's a  
11 totally illogical circumstance and one that has no bearing  
12 on the authority given to the Commission by the law in the  
13 setting of these allowables.

14           The same thing is happening in the Eumont Pool,  
15 there's a drastic difference.

16           So the setting of allowables means nothing,  
17 because it is not setting a restriction on the amount of  
18 gas that can be produced.

19           Now, why is this a concern, and why do we care?  
20 As a producer in those pools, Mr. Hartman can produce,  
21 everybody can produce all the gas that the pool is capable  
22 of.

23           The practical concern is this, and the backdrop  
24 and the context of this situation is that two operators  
25 have come into the -- in particular the Jalmat Pool, who

1 are represented by Mr. Kellahin and Mr. Carr, and they have  
2 begun to densely infill drill this pool, in particular the  
3 Jalmat Pool, and what we say is ignoring the spacing  
4 requirements of that pool, with the interpretation being  
5 that we can drill on any acreage we want to, whether it's  
6 40 acres or 80 acres or 10 acres, I suppose, because these  
7 pools are prorated.

8 In other words, this is the flag they drape  
9 themselves in and say, Proration, Proration, the mantra,  
10 forget about spacing, forget about whether a well can  
11 really drain 160 acres rather than 40 acres, because the  
12 pool is prorated. So this becomes the crutch or the excuse  
13 for being able to ignore density and spacing requirements.  
14 And evidently there's some agreement among staff of the  
15 Division to that interpretation.

16 So it's time that this whole anomaly of proration  
17 is looked at. And when you look at it, instead of this  
18 just being an automatic thing that's called up here every  
19 six months and nobody asks, What are we really doing and  
20 what are these allowables really meaning?, this default  
21 allocation for 160 acres has just been rolled over. And  
22 it's time to do away with that and streamline it.

23 At the risk of going on too long here, I think  
24 particularly it might be illuminating for Commissioner Lee,  
25 who has been on the Commission for a shorter period of

1 time, and somewhat, maybe, for Madame Chair, for a little  
2 bit of the history, to go back, what's happened in this  
3 process.

4 In 1996 -- In fact, I think the Chair turned to  
5 Ms. Davidson and asked, How long have we been doing this?  
6 And I can answer that, because I think that began in 1996  
7 with the so-called default allowable where there was no  
8 longer a schedule. There is no proration schedule. There  
9 no longer is a gas proration schedule for what they used to  
10 call the Hobbs District, well by well, where somebody could  
11 look at it and say, This is my allowable, I'm exceeding it  
12 or not. There's no policing, there are no more nonmarginal  
13 wells, there's nobody whose production is restricted. So  
14 why is this being done?

15 Back in February of 1996, when this same kind of  
16 hearing came up, I think at that time the Chair was Mr.  
17 LeMay, who was the former Director. Mr. Carr entered an  
18 appearance. By the way, there was evidence and testimony  
19 taken at that time. Mr. Carr entered an appearance with  
20 clients, Mr. Kellahin, Jim Bruce for certain clients. And  
21 the Commission itself had a witness to address the question  
22 of proration and what will we do from now on?

23 Mr. Chairman LeMay made some remarks as the  
24 hearing opened, and one of the things he said that's  
25 interesting, he says, I quote from page 6 of that

1 transcript:

2

3           They're pretty much the same allowables we've had  
4           for some time, and I know both my Commissioners have  
5           told me more than once that we -- it's kind of silly  
6           to come here and listen to the same thing over and  
7           over again when we have agreement out there what it  
8           should be.

9

10 And then he goes on to say:

11

12           And if for any reason you're disagreeing with  
13           these -- either they're not high enough or they're too  
14           high -- then we'll take testimony on it.

15

16           So then Mr. Carroll, who was the counsel, puts on  
17           Jim Morrow, a consultant for the Commission, and he  
18           testified, and here's an excerpt from his testimony. This  
19           is 1996:

20

21           We're proposing that we take the allowable  
22           allocation factors that have been used in recent  
23           proration periods and adopt those for the next period,  
24           the April-through-September period, and then continue  
25           to use those same factors on a continuing basis, so

1 long as they are appropriate.

2 If we see, here at OCD, or someone in industry  
3 has a need to change one of those -- and there may,  
4 certainly from all indications, be some changes here  
5 this morning that will be recommended in certain  
6 pools, but we believe those will be confined to maybe  
7 one or two pools each time so that we can speed up the  
8 process and skip some of the testimony that usually  
9 goes on at these hearings by saying that we will use  
10 these factors more or less as default allowable  
11 allocation factors, unless someone shows us that we  
12 should change.

13

14 And then he goes on to say, "And you can see [from these  
15 factors] proration is not really affecting production to  
16 any large extent, either in the southeast or the  
17 northwest."

18 That's the Commission's own witness back at the  
19 time, basically we came into this default system.

20 And then Commissioner Weiss commented after that  
21 had been heard. He said -- former Commissioner Weiss --  
22 "Haven't we tried to deregulate or deprorate some of these,  
23 a couple fields?"

24 And Chairman LeMay [sic] asks, "Yes...we did drop  
25 several of them. Several have been dropped from here which

1 don't even appear on here."

2 Commissioner Weiss asks, "What's been the effect  
3 of that?"

4 ANSWER: "None that I know of."

5 At that hearing too, Mr. Kellahin brought up that  
6 -- in fact, on behalf of Marathon, and this is pertinent to  
7 this argument being made by counsel that for some reason  
8 when you hold an allowable hearing, you're not supposed to  
9 hear evidence of whether there should be an allowable or  
10 not. His client, Marathon, was interested in what was  
11 happening in the Indian Basin-Morrow Pool.

12 And Mr. Kellahin said, after saying what their  
13 position was -- I quote him from page 36 of the  
14 transcript -- "So rather than presenting to you a lengthy  
15 testimony today on increasing Indian Basin-Morrow, we're  
16 choosing another option, but we wanted to let you know that  
17 that was in the works."

18 In other words, the Indian Basin-Morrow question  
19 of let's increase the allowables could have been presented  
20 at that time, but he chose some other procedure to do that.

21 A year -- Two years later, actually, two years  
22 later, now, I think --

23 MR. CONDON: If the Commission wants, we have  
24 copies of the transcripts of the hearings that we're  
25 referring to, and we would like to introduce these so that

1 they become part of the record in the event there's review  
2 of this proceeding.

3 MR. GALLEGOS: Yeah, we --

4 CHAIRMAN WROTENBERY: Are you interested in  
5 getting a copy right now?

6 COMMISSIONER LEE: Yes.

7 MR. GALLEGOS: Yeah, I plan to mark those and  
8 offer those exhibits.

9 Now, in February, 1998, Chair Wrotenbery is in  
10 charge, and I think -- I gather from what is said here that  
11 this may have been the first occasion Madame Chairman had  
12 to preside over this kind of proceeding. So you called the  
13 case, and it was numbered 11,931 at that time, and I'm  
14 reading from page 3. And you said, Madame Chairman, and I  
15 quote:

16

17 This is the hearing called on the motion of the  
18 Oil Conservation Division to consider gas allowables  
19 for the prorated gas pools in New Mexico for the  
20 period April, 1998, to September, 1998.

21

22 You went on to say:

23

24 I don't believe that we've received any requests  
25 for changes to the factor listed in that docket, but

1 we are today to take any comments or testimony on  
2 those proposed factors.

3 At this point I guess it's appropriate to ask if  
4 there are any appearances in this particular case.

5

6 Rand Carroll, the Commission attorney, entered an  
7 appearance.

8 And then, because being new to the Commission,  
9 Wrotenbery asked Mr. LeMay, who was the old man, about --  
10 She said:

11

12 Bill or Jami, I was going to ask you if you had  
13 any comments that you might like to make based on your  
14 experience with the proration system in New Mexico.  
15 I'd be interested in hearing any comments you'd have.

16

17 Mr. LeMay then went into a fairly long dialogue  
18 to elucidate, Madame Chairman, and at page 5 he says:

19

20 Of course, way back when the pipelines controlled  
21 the markets, nominations for gas were an important  
22 factor to the production of gas from certain fields,  
23 because they were dedicated to defined markets.

24 Now, with the evolution of the present system  
25 where the pipelines are only transporters of that gas



1           and that producers make their own markets, the concept  
2           of having proration as a tool to allocate gas to the  
3           market -- I feel, anyways -- is really not a valid  
4           issue. It's not sound judgment.

5

6           And he goes on to describe the history of it.

7                       And then on page 7 he says:

8

9                       But now I think it's become just a -- basically a  
10           rubber stamp of the previous allowables unless there  
11           was some people who wanted increases. And  
12           occasionally you'll get some workovers or some  
13           elements that would require the Commission to increase  
14           the allowable in the field. But they bring that  
15           evidence before us and we consider it, and generally  
16           we've increased without objection, we've increased the  
17           allowable.

18                      So it's become a rather cut and dried matter. We  
19           used to spend a lot of time with it, and now it goes  
20           pretty smooth. Don't you think, Jami?

21

22                      The other transcripts will basically, and without  
23           taking the time to read them, will just show that as these  
24           hearings have been called before and noticed as they are  
25           today, the Commission has heard from people, and typically

1 the only thing that has been presented is somebody who  
2 wanted to have more allowable, and automatically that's  
3 been granted.

4 But we're here today to say -- and I think we  
5 have the right under the statute, of course, Section 70-2-  
6 23, anytime the Commission makes an order it must hold a  
7 public hearing and allow interested parties to be heard --  
8 we're here today to say simply, there is some reason to  
9 address the allowables being set for these pools, the  
10 Eumont and Jalmat Pool. We're not speaking to any others,  
11 we don't have data on any others.

12 But clearly what's happened here is, the  
13 allowable has become a meaningless exercise. And moreover,  
14 to set an allowable for these pools, as has been said,  
15 which calls for production in excess of what the pool can  
16 produce is an act in violation of the authority of the  
17 statute, the Oil and Gas Act, which gives this Commission  
18 authority to act. And so simply it is time to set no  
19 allowable for the Eumont and the Jalmat Pool.

20 Thank you.

21 CHAIRMAN WROTENBERY: Thank you.

22 Mr. Carr?

23 MR. CARR: May it please the Commission, if I  
24 could just briefly respond.

25 As Mr. Gallegos has pointed out, there is a

1 dispute between Mr. Hartman and Raptor and SDX about the  
2 current development in the Jalmat Pool, and there are  
3 specific hearings set in March to address those issues.

4 Today, however, it was our understanding that we  
5 were here to consider, as is advertised -- and this is set  
6 forth in the docket -- the assignment of allowables for  
7 April through September of this year.

8 Now, as you know, we're talking about the Jalmat-  
9 Eumont Gas Pools, and these are prorated pools. And  
10 they're prorated pools because they're operated under the  
11 general rules for the prorated pools in New Mexico and  
12 under special pool rules for each of those pools which  
13 provide for prorationing.

14 What we believe is happening here today is,  
15 there's an attempt to, in effect, change the pool rules, to  
16 abolish prorationing. Now, certainly Mr. Hartman has the  
17 right to advocate that. But there are procedures to be  
18 followed, if that's what an operator wants to do: File an  
19 application, you provide notice to all operators in the  
20 pool, and it is set to come to a hearing. That has not  
21 been done here.

22 And it isn't a surprise to Mr. Hartman or anyone  
23 else. He did that ten years ago, filed a case to set  
24 minimum allowables in these pools, and was successful in  
25 doing just that. But that hasn't been done here. And we

1 think that if, in fact, what you're going to do is abolish  
2 the allowables, I think it's inappropriate the way the case  
3 is before you.

4 Now, you may certainly take whatever testimony  
5 you want, and I think that under the call of your case it's  
6 appropriate to let people come in here and present to you  
7 whatever they need to say about the allowable system and  
8 about prorationing.

9 But if the order that results goes forward and is  
10 an abolishment of prorationing in these pools, I submit  
11 you've stepped outside your rules, outside established  
12 procedure, you're in violation of the due process rights of  
13 the operators in the pool, and your order will be  
14 challenged.

15 CHAIRMAN WROTENBERY: Mr. Kellahin?

16 MR. KELLAHIN: Madame Chairman, I concur with Mr.  
17 Carr's position with regards to the case that's advertised  
18 for hearing. The scope is very narrow in this Commission  
19 process that you have docketed today. It is to consider  
20 setting the allowables in the various prorated gas pools.

21 What Mr. Hartman is choosing in this forum is a  
22 far more complicated, complex, detailed, convoluted problem  
23 that currently is pending resolution before Examiners on  
24 dockets later this month.

25 So we can sit here and start the process before

1 you within the framework of an allowable hearing, at the  
2 conclusion of which we'll have to ask for a continuance for  
3 time, we'll come back in and bring our experts in here on  
4 the issues that Hartman is really seeking to have you  
5 address. And within the context of this forum, he's  
6 seeking to ask you to terminate prorationing in the Jalmat  
7 Pool, suspend it in some fashion, or change the historic  
8 practice of the Division, which is to allow multiple wells  
9 on gas proration units and not control well density,  
10 because we're in a prorated gas pool.

11 So of the multitude of things that Mr. Hartman is  
12 seeking to do, none of them are appropriate within the  
13 context of what we've been asked to do today, and we would  
14 ask that you simply advise Mr. Hartman that the process  
15 he's engaged in, or about to, is inappropriate in this  
16 forum, and we'll defer it back to the Examiner process  
17 where that is now beginning and where we will have a full  
18 and complete hearing on each of those issues.

19 CHAIRMAN WROTENBERY: Thank you.

20 MR. GALLEGOS: Madame Chairman, may I just  
21 address very briefly, your docket notice went out, as  
22 usual, to everybody concerned, setting this matter for  
23 hearing. But moreover, on February 4th, 2000, you issued a  
24 notice to all producers, purchasers and transporters of gas  
25 for all prorated gas pools in New Mexico, the broadest

1 notice you could possibly give to anybody has gone out, to  
2 anybody who had any interest in what was going to be going  
3 on at these allowable hearings.

4 And you finished that memorandum by saying, "The  
5 enclosed allocation factors, being the previous 6 month  
6 allowable factors, will be used for allowable purposes for  
7 the period April, 2000 through September, 2000 unless there  
8 is evidence received at the February 25, 2000 Commission  
9 hearing indicating that these factors should be modified."

10 Absolutely abundant notice has been given, the  
11 arguments of counsel, who have practiced before this  
12 Commission and Division so much that they sort of are the  
13 rules unto themselves, or they seem to be -- the arguments  
14 of counsel that are made here today totally bypass the  
15 question of law, law, Madame Chairman, which we brought  
16 before you, which is what you have to abide by.

17 They totally bypass the fact that this hearing  
18 was noticed to consider if there's any evidence whether  
19 those allowable factors should not be introduced. And they  
20 totally bypassed the merits, that it's ridiculous to have  
21 allowables for this pool and just say, Oh, we should do  
22 this another way, there has to be some other procedure  
23 because, you know, we practice here all the time, and  
24 that's the way we think it's done, and historically you do  
25 it a different way.

1 Well, the important thing is that you follow the  
2 law, the important thing is that you don't go on with a  
3 facade of setting allowables which are meaningless, have no  
4 restriction on the pool production but are being used, as I  
5 say, as a cover for somebody who has other motives  
6 concerning the density of their well drilling.

7 So I think we should be permitted to present the  
8 evidence to the Commission, and if we do I think we'll  
9 persuade you that there should be no allowables set this  
10 six months for the Eumont and Jalmat Gas Pools.

11 CHAIRMAN WROTENBERY: Thank you, Mr. Gallegos.

12 MR. CARR: I would just like to make it clear,  
13 I'm not here saying Mr. Hartman shouldn't be allowed to  
14 present testimony. I am saying that once you docket the  
15 case that says you're going to sign an allowable, going to  
16 zero would be one thing, but abolishing the system is  
17 another.

18 CHAIRMAN WROTENBERY: Thank you. Commissioners,  
19 let me just tell you what I'm thinking on this particular  
20 case at this point.

21 What we're trying to do today is to consider what  
22 allowables should be set for the prorated gas pools in New  
23 Mexico, and we currently have a list of prorated gas pools  
24 that include the Jalmat and the Eumont. It seems to me our  
25 order of business today, given that those pools are

1 currently prorated, is to determine what will be the  
2 allowable for this next six-month production period that  
3 starts April 1.

4 Now, Mr. Hartman has raised a question about  
5 whether the pool should continue to be prorated, and he's  
6 raised some interesting issues that need to be considered  
7 in making any kind of decision ultimately about whether the  
8 pool should continue to be prorated.

9 There are some other factors that come into play.  
10 This is one of the statutory provisions that governs the  
11 Commission's approach to prorationing. There are other  
12 statutory provisions that give the Commission broad  
13 authority to do what is necessary in its rules and its  
14 orders to prevent waste and protect correlative rights, and  
15 some of those other provisions come into play here as well.

16 I know in the tutorial that Mr. LeMay gave me on  
17 my first Commission meeting on the prorationing system, he  
18 did mention, in addition to the comments he made about the  
19 allocation of gas to the market and how perhaps that's not  
20 frequently much of a factor anymore in our prorationing  
21 decisions, he did also mention that protecting correlative  
22 rights is an issue in a number of pools. And I believe,  
23 Commissioner Bailey, you noted that as well in your  
24 response to my question on that issue. You had noted at  
25 that very same proceeding that its current purpose is



1 mainly for correlative-rights protection.

2 I don't know all of the ins and outs on the  
3 Jalmat Pool or the Eumont Pool at this point. I do know  
4 there are some special circumstances, at least in the  
5 Jalmat. We've got a checkerboarding pattern of units in  
6 that area, we've got a large number of nonstandard units  
7 that are smaller than the regular units, and so there may  
8 well be some issues about correlative rights that need to  
9 be considered before we would eliminate prorationing in the  
10 Jalmat or the Eumont Pool.

11 I do believe that the appropriate course of  
12 action at this point would be for Mr. Hartman to file an  
13 application to change the rules for the Jalmat and Eumont  
14 Pool and to propose that the Division terminate  
15 prorationing and justify that particular action in its  
16 application. That matter would then be set for hearing  
17 before a Division Hearing Examiner, and an order would be  
18 issued by the Division which could then be appealed to the  
19 Commission for further consideration if any of the parties  
20 objected to any portion of that decision.

21 I think what we should do here today is to start  
22 with our current provisions in our rules, and both the  
23 Jalmat and the Eumont Pool are currently prorated gas  
24 pools, and we need to make a decision about what the  
25 factors will be, the production from those pools for April

1 through September.

2 MR. GALLEGOS: May I inquire, Madame Chair, so  
3 the ruling is, you won't take our evidence?

4 CHAIRMAN WROTENBERY: I will say that if you've  
5 got some -- These particular hearings tend to be somewhat  
6 informal. If you've got some evidence that you think we  
7 should consider here today in setting the allocation  
8 factors for the Jalmat and Eumont Pools, yes, we'll be  
9 happy to listen to you and make our determination after we  
10 hear your evidence about whether anything that you tell us  
11 today might affect the allocation factor that we set for  
12 these pools.

13 MR. CONDON: Can I just briefly, Madame Chairman,  
14 address you, because I want to make sure for the record  
15 that we're clear that we've explained to you what our  
16 position is on this --

17 CHAIRMAN WROTENBERY: Okay.

18 MR. CONDON: -- and that is, regardless of what  
19 comes out of this process today, the Commission is going to  
20 adopt a rule or order or regulation that applies to these  
21 two prorated gas pools, and it's going to either set an  
22 allocation factor or decide that it cannot set an  
23 allocation factor. And whatever decision the Commission  
24 makes, I submit, needs to be supported by evidence.

25 What the Commission has done for years is just

1 kind of follow this default proceeding of adopting the  
2 allocation factors for the prior period and extend them on  
3 into the future without any consideration of a change in  
4 factors, change in circumstance. And while we have  
5 questions about the propriety of that procedure under the  
6 statutory scheme, we're not raising the general issue here  
7 today.

8 But we are submitting that when an operator comes  
9 before you and says, We have evidence to show that there is  
10 no substantial basis for the proposed allocation factors,  
11 that the Commission is duty bound to hear that evidence  
12 and, in making a decision on the allocation factor that  
13 it's going to adopt for the next period, that it do so on  
14 the basis of evidence. Because I would submit that any  
15 other decision is, by definition, the definition of  
16 arbitrary and capricious administrative action.

17 MR. GALLEGOS: Okay, we'd like to call Craig Van  
18 Kirk.

19 CHAIRMAN WROTENBERY: Mr. Van Kirk, would you  
20 please stand and be sworn?

21 (Thereupon, the witness was sworn.)

22 MR. GALLEGOS: Members of the Commission, I'm  
23 going to be starting with what is marked as Exhibit 10 in  
24 the packet. I handed you the Exhibits 1 through 17, and  
25 the first one we'll talk about is actually Number 10.

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CRAIG VAN KIRK,

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

DIRECT EXAMINATION

BY MR. GALLEGOS:

Q. Would you state your name, please?

A. Craig Van Kirk.

Q. What is your business or profession?

A. I'm a petroleum engineer, professor at Colorado School of Mines.

Q. Okay. Would you briefly give the Commission some idea of your professional history, beginning with your education? Post-secondary education, we don't want to go back to high school.

A. I have received three degrees in petroleum engineering, the bachelor's, master's and PhD's. I worked in private industry starting in the late 1960s for Humble Oil Company, which today is known as Exxon, 1969 to 1974; worked for Shell Oil Company in the Rocky Mountain states, 1978, worked in the consulting mode internationally and domestically from 1974 to 1978. In 1978 I went to Colorado School of Mines to be a professor, in 1980 became head of the petroleum engineering department, and I continue in that capacity today.

Q. And have you done various private consulting

1 assignments through the years, Dr. Van Kirk?

2 A. Yes.

3 Q. And without taking the time to go through that,  
4 let me ask you, what has your experience been in that  
5 capacity in regard to the Eumont and Jalmat Gas Pools of  
6 Lea County, New Mexico?

7 A. Approximately 1987 I began doing work with  
8 Hartman Oil in the Eumont-Jalmat fields in southeast New  
9 Mexico, and through the years since 1987, off and on,  
10 periodically, frequently, but not every month.

11 Q. Okay. So approximately off and on for 13  
12 years --

13 A. Yes.

14 Q. -- maybe 12 years?

15 A. Yes.

16 Q. Would you give the Commission just a sort of a  
17 general overview of the nature of that pool and sort of the  
18 history of the development of that pool -- of those pools,  
19 I should say?

20 A. Those pools, the Eumont and Jalmat Pools, are  
21 known as giant gas fields. They cover very large areas,  
22 approximately 60,000 acres each, more or less, each.

23 Wells in the late 1920s discovered production of  
24 hydrocarbons from the formations of interest in the Eumont-  
25 Jalmat area, and production began extensively in the 1930s.

1           1953 and 1954, those two pools were created, the  
2   Eumont and Jalmat, out of combinations and consolidations  
3   of other producing gas pools in the area. Both of the  
4   pools produced from just about the same formation, the  
5   Yates being productive -- permitted to be produced in both  
6   of those pools, the Tansil, Yates and a portion of the  
7   Seven Rivers being the formations to produce, and the  
8   Jalmat, the Yates, Seven Rivers and Queen, part of the  
9   Queen, being formations produced in the Eumont.

10           In 1954 those pools were organized, 1953 and  
11   1954, and prorated. And prorationing continued through the  
12   years. And there are some years, 1970s and 1980s, when the  
13   prorationing appeared to be a significant activity in the  
14   pools, but not during the 1990s.

15           Initial production rates from wells back in the  
16   1930s and 1940s and 1950s was several million cubic feet  
17   per day, per well. Big wells, very powerful wells.

18           Early spacing, initial spacing, standard  
19   proration unit, 640 acres per well.

20           Initial pressures in these reservoirs, a little  
21   over 1000 p.s.i. at a depth of 3000 feet, 1100, 1200, 1300  
22   p.s.i., depending on where you are in the field and in the  
23   reservoirs.

24           The rock quality is quite good for gas  
25   reservoirs, never classified as a tight gas sand or tight

1 gas reservoir. Good communication within the field.  
2 Through the decades of production, plenty of evidence to  
3 show well interference, some of the interference  
4 demonstrated on 640s, wells a mile apart. In more modern  
5 times wells have been drilled on 160-acre gas proration  
6 units and for years of production, pressure data, lots of  
7 interference among wells, lots of common pressures among  
8 wells.

9 Initial pressures being slightly over 1000  
10 p.s.i., today's pressures, wellhead pressures, 25 p.s.i.,  
11 50 p.s.i. These fields are nearing the end of their lives.  
12 They've done a fine job and they've got some more years to  
13 go, but they're in the range of 95 percent, perhaps 96  
14 percent, of their pressure exhaustion, and therefore the  
15 recovery of gas that can be expected.

16 Today, typical rates are 50 to 100 MCF per day  
17 per well, and there are certainly some wells that produce  
18 at rates somewhat higher than that, and many wells that  
19 produce at rates lower than that.

20 Q. Okay. Would you take Exhibit 10 before you?  
21 It's entitled -- Oh, you don't have it?

22 A. I don't have numbered -- I have copies, but  
23 they're not numbered.

24 Q. Okay, I'll give you the heading on it. It's the  
25 "Total Jalmat Gas Pool Production".

1           A.    Okay, that's Number 10? Mr. Gallegos, is that  
2   Number 10?

3           MR. GALLEGOS: That's Number 10.

4           Madame Chairman, are Dr. Van Kirk's credentials  
5   accepted for him to give expert opinion and testimony?

6           CHAIRMAN WROTENBERY: Yes, they certainly are.

7           Q.    (By Mr. Gallegos) Would you explain what is  
8   shown by that exhibit?

9           A.    Yes. Exhibit Number 10, titled "Total Jalmat Gas  
10   Pool Production" --

11           COMMISSIONER LEE: I think that's Exhibit 11 to  
12   us.

13           CHAIRMAN WROTENBERY: Exhibit 10 is --

14           MR. GALLEGOS: I stand corrected, I was wrong.  
15   It's Exhibit 11.

16           THE WITNESS: Okay. Shall I proceed?

17           CHAIRMAN WROTENBERY: Yes.

18           THE WITNESS: So Exhibit 11 is titled "Total  
19   Jalmat Gas Pool Production". And this particular chart  
20   only goes back to 1976. This exhibit does not go back to  
21   the 1930s. But this does show production -- If you'll look  
22   back at 1976, the scale that is used in the left-hand  
23   margin, that is MCF per month. So the very top left-hand  
24   corner scale is -- that's 10 million MCF per month. That's  
25   10 BCF per month.



1

The middle value, halfway down the left-hand

2 margin -- I'm sorry, that's a million MCF per month. That  
3 would be a billion MCF per month.

4 So the production rate back in 19- --

5 Q. (By Mr. Gallegos) A billion cubic feet?

6 A. Yeah, I'm sorry, a billion cubic feet -

7 Q. Right.

8 A. -- per month.

9 Now, the production rate, then, back in 1976, you  
10 can see, then, if you read this logarithmic scale, it's  
11 approximately 2.8 BCF per month. And that would be a rate  
12 a little less than 100 million cubic feet per day for the  
13 total Jalmat Gas Pool.

14 And then you'll notice production rate declining  
15 throughout the 1970s. And notice in the 1980s the wild,  
16 wild fluctuations in production. There's peaks and  
17 valleys, spikes, north and south. And this is in the  
18 period of fluctuating allowables and production rates, gas  
19 pipelines not wanting to take all the gas that was  
20 available from this pool.

21 And then approximately 1990, you'll notice the  
22 production from the pool increases significantly, and let's  
23 say a modern peak, a modern peak, about 1991.

24 And after 1991, throughout the 1990s, a fairly  
25 consistent decline in production rate and no longer wild

1 fluctuations, no longer high peaks and low valleys. This  
2 is a period of relatively unrestricted production.

3 The most current production rate shown here on  
4 this chart during late 1999, that production amount for the  
5 month is approximately 750 million cubic feet per month,  
6 which is approximately 25 million cubic feet per day. On a  
7 per-well basis, that's in the neighborhood of about 70 MCF  
8 per day per well, or per acreage factor, if you like.

9 Q. And the acreage factor, when you use that term in  
10 these pools, is that related to 160 acres?

11 A. Yes, it is, that's for a 160-acre gas proration  
12 unit.

13 Q. So-called acreage factor of 1, or an F1?

14 A. For 160 acres, the acreage factor is 1.0.

15 Q. Okay, and you're saying the average production  
16 for one of those acreage factors now is about 70 --

17 A. It's in the neighborhood of 70 MCF per day.

18 Q. Per day. Are you aware that the so-called  
19 minimum allowable is 600 MCF a day for --

20 A. Yes, I am.

21 Q. -- the acreage factor?

22 A. The minimum allowable here is 600 MCF per day,  
23 which is not quite 10 times 70, but real close. The  
24 current average production rate here is pretty close to 10  
25 percent of the minimum allowable.

1 Q. Would you turn now to Exhibit Number 12, which is  
2 entitled "Jalmat Gas Pool Acreage and Acreage Factors, from  
3 1976 to Present", and explain what it shows?

4 A. This is Number 12?

5 Q. That's Number 12.

6 A. Exhibit Number 12 is titled "Jalmat Gas Pool  
7 Acreage and Acreage Factors", again going back to 1976.

8 COMMISSIONER LEE: No, that's the --

9 THE WITNESS: Excuse me, if I could. I'd like to  
10 make one clarification back on Exhibit Number 11.

11 MR. GALLEGOS: Pardon?

12 COMMISSIONER LEE: The "Gas Pool Acreage and  
13 Acreage Factors", that's Number 10. You said 12.

14 MR. GALLEGOS: I thought it was 12.

15 MR. CONDON: Gene, look at these. That's 10.

16 MR. GALLEGOS: Oh, that's what happened, I guess,  
17 between 10 and 11. They got turned around. Thank you.  
18 Fortunately Dr. Lee is setting me straight on this.

19 Okay, so in making these packets up, I guess it  
20 got reversed. So "Jalmat Gas Pool Acreage and Acreage  
21 Factors" is Exhibit Number 10.

22 THE WITNESS: Okay. And fortunately I have my  
23 eraser with me today.

24 May I go back to Exhibit Number 11 just for a  
25 moment to clarify the source of the data?

1           In the upper left-hand corner, Exhibit Number 11  
2       states that the source of the production data here is  
3       *Dwight's*. Well, *Dwight's* data is used from 1991 forward,  
4       from March of 1991 forward to 1999.

5           Prior to March of 1991, the source of the data is  
6       the NMOCD Southeast Gas Proration Schedule. But from March  
7       of 1991, we no longer have that information.

8           So there's two different sources of production  
9       amounts on Exhibit 11.

10          Shall I proceed with Exhibit Number 10?

11          Q.    (By Mr. Gallegos) Please do, Dr. Van Kirk.

12          A.    For clarity, let me restate, Exhibit Number 10's  
13       title is "Jalmat Gas Pool Acreage and Acreage Factors",  
14       going back to 1976 to present.

15          The left-hand legend, acreage factors, would be  
16       the number of acreage factors in the Jalmat Gas Pool from  
17       1976 forward.

18          Q.    And for clarification, would you say again, what  
19       does that mean? What are acreage factors?

20          A.    Those are gas proration units, whole numbers.  
21       And for example, if you look back in 1976, the total  
22       acreage factors, the number of acreage factors, is  
23       approximately 365, as you see on the graph here. It means  
24       there are approximately 365 gas proration units of 160  
25       acres in the Jalmat pool at that time.

1           And if you notice, then, through the years the  
2   total acreage factors are approximately 360. Notice about  
3   1984, the total is down to just a little over 350, but then  
4   fluctuating back up to -- around 350 to 360, until about  
5   1994.

6           And in 1994, this graph shows the number taking a  
7   big jump up to almost 450, and we believe that is erroneous  
8   data. I have -- On my particular copy, I have just put a  
9   big X through the data from 1984 [sic] to 1997 or 1996.  
10   That big jump from 350 to 450, we believe that's wrong  
11   information.

12           Q.    I think you said 1984, and I think you meant  
13   1994?

14           A.    Yes, I'm sorry, that's 1994 to 1996.

15           Q.    There are --

16           A.    That's when we marked it erroneous data.

17           Q.    Excuse me, there are terms used, "marginal" and  
18   "nonmarginal". What does that mean in the vernacular of  
19   the allowable system?

20           A.    The nonmarginal wells or the nonmarginal acreage  
21   factors, which are graphed on the bottom of this particular  
22   chart, those are wells that could produce in excess of the  
23   allowable. The marginal wells, which are plotted with the  
24   dashes, the middle of the three curves, marginal wells, are  
25   those wells that either cannot or have not produced up to

1 the allowable.

2 Q. Go ahead and explain, then, what is demonstrated  
3 by the data on this graph, excluding these total acreage  
4 factors after 1994?

5 A. Okay. If you'll look at the bottom of the chart,  
6 the solid black data, starting in 1976 and a value of  
7 approximately 50 acreage factors, that would be the  
8 nonmarginal acreage factors or wells that were capable of  
9 or had produced in excess of the allowable amount.

10 And you can see from 1976 the number decreases  
11 into the 1980s, but then a very rapid increase in that  
12 number and maximum value reached in 1988 at a value of  
13 approximately of 150. In 1988, approximately 150 of the  
14 total of approximately 350 acreage factors in the Jalmat  
15 Pool were classified as nonmarginal or capable of producing  
16 in excess of the allowable at that time.

17 Q. So that would be read that over 150 of these 160-  
18 acre gas proration units at that time were capable of  
19 producing over whatever the allowable was as it's set at  
20 that time?

21 A. That's correct. And notice the mirror image.  
22 The dashed curve in the middle of the chart, the marginal  
23 acreage factors, those wells that -- number of acreage  
24 factors that would produce less than the allowable amount  
25 reaches a minimum value, naturally, at the same time, 1988,

1 of approximately 200.

2 Q. What was going on in the natural gas industry and  
3 the gas market in that 1986-1999 period?

4 A. Did you say 1999 or 1989?

5 Q. I meant to say 1986 to 1990 period.

6 A. Okay. Well, as I explained when we were  
7 referring to the first chart, Exhibit Number 11, during the  
8 mid- to late 1980s, the transporters, the gas companies,  
9 the purchasers, did not need nor want to take all the gas  
10 from the Jalmat pool, and there was a significant turndown  
11 during that time.

12 So these -- In fact, Exhibits 11 and 10 can be  
13 viewed together. The time scales are the same, and you can  
14 see a relationship between a lot of significant events.

15 Q. Was that error the error of so-called FERC Order  
16 636 and the emergence of the spot market replacing what had  
17 been the long-term --

18 A. Yes.

19 Q. -- wellhead purchase --

20 A. Yes.

21 Q. -- type of market?

22 A. Now, since then -- Notice, then, since 1988 the  
23 rapid decline on Exhibit Number 10, rapid decline in the  
24 nonmarginal acreage factors, and by 1992, 1993, 1994, the  
25 number of acreage factors approaching zero. And in fact,

1 the last reported acreage factors in 1996 were  
2 approximately 0.5 or 0.75, the number being less than 1 in  
3 this pool of approximately 350 acreage factors or  
4 approximately 350 wells.

5 So the last reported values we have to review are  
6 1996. We don't have data in 1997, 1998 and 1999 as to how  
7 many nonmarginal acreage factors exist in the Jalmat Gas  
8 Pool.

9 Q. The next exhibit is entitled "Jalmat Gas Pool  
10 Non-Marginal Acreage Allocation Factor", and I believe  
11 that's Exhibit Number 12. Hope I got it right this time.

12 A. Is it Number 12?

13 CHAIRMAN WROTENBERY: Yes.

14 Q. (By Mr. Gallegos) What does that exhibit  
15 demonstrate, Dr. Van Kirk?

16 A. This Exhibit demonstrates two things, and both of  
17 them refer to the legend on the left-hand margin. Those  
18 units are MCF per month, per acreage factor.

19 For example, if you look at the middle of the  
20 left-hand margin, the value of 10,000 -- that would be  
21 10,000 MCF per month, per acreage factor. And if you look  
22 at the solid black line, then, that would be, as labeled  
23 here, the nonmarginal acreage allocation factor, MCF per  
24 month per acreage factor. And then look from 1991 or 1992  
25 to the present, 1999, a value of 18,300 MCF per month,



1 continuously, except for a period in 1993, where it was  
2 increased above 20,000 for a period of time. But 18,300  
3 has been used consistently for many, many years from 1991  
4 to today.

5 Q. If the same graph were made for the Eumont Pool,  
6 would it show essentially the same?

7 A. Yes, it would, except for the Eumont Pool the  
8 value is 38,000 rather than 18,300.

9 Q. 38,000 MCF per month --

10 A. MCF per month.

11 Q. -- per acreage factor?

12 A. Yes. If you look at the curve on the bottom of  
13 the page, the lighter of the two solid curves, the lower  
14 left-hand part of the graph is labeled "Average Gas  
15 Production" MCF per acreage factor. And this is actual  
16 production.

17 And notice from 1991 the peak, again correlating  
18 with Exhibit 11, showing the total Jalmat Gas Pool peak gas  
19 production in 1991, the actual average gas production per  
20 acreage factor, a modern peak in 1991, and then declining  
21 pretty consistently, relatively unrestricted, very few  
22 marginal acreage factors. And in most recent information,  
23 the fall of 1999, just a few months ago, the average per  
24 acreage factor being approximately 70 MCF per day, per  
25 acreage factor, far below the nonmarginal acreage

1 allocation factor of 18,300 shown at the top of the graph.

2 And you notice the large divergence. We've got this  
3 labeled "Divergence".

4 Not only is there a big difference between the  
5 two, but they're also diverging. The difference is getting  
6 larger and larger. And today's average actual production  
7 rate per acreage factor of approximately 70 MCF per day, as  
8 compared to the nonmarginal acreage allocation factor of  
9 18,300 MCF per month, which is about 600 -- which is 600  
10 MCF per day. Today's average production is almost as low  
11 as 10 percent of the acreage allocation factor.

12 Q. Exhibit 13 is a bar graph for four years of the  
13 Jalmat Pool, comparing the allocation factor allowable to  
14 pool production, and we have a blow-up of that here. Would  
15 you basically just show or just explain what information is  
16 shown by that exhibit?

17 A. Okay. Let me put the large exhibit back up on  
18 the stand.

19 Q. 13 is the Jalmat Pool, the first one.

20 A. Exhibit 13 is for the Jalmat Pool. We have a  
21 similar one prepared for the Eumont Pool.

22 The green values shown here and labeled on this  
23 exhibit, "Pool Production", this is actual pool production  
24 for the entire year 1996 and 1997 and 1998. But in 1999 we  
25 only have the first nine months of 1999 measured and

1 recorded from January to September, so 1999 is asterisked;  
2 it's only three-quarters of the year 1999.

3 COMMISSIONER LEE: What's the units of your  
4 allocation factor?

5 THE WITNESS: These values here?

6 COMMISSIONER LEE: No, the previous page, the  
7 units?

8 THE WITNESS: Exhibit 12?

9 CHAIRMAN WROTENBERY: Yes, on Exhibit 12.

10 THE WITNESS: Back on Exhibit 12? The acreage  
11 allocation factors, those units are MCF per month.

12 COMMISSIONER LEE: What does the F1 stand for?

13 THE WITNESS: That's factor one. You could  
14 have -- In these pools there's only one factor, and that's  
15 acreage. In some other pools there's a couple of factors.  
16 It could be -- Acreage could be factor one, and factor two  
17 could be deliverability, or some other measure.

18 Q. (By Mr. Gallegos) So factor one is the  
19 allowable; is that correct? It's the allowable assigned to  
20 160 acres?

21 A. That's correct.

22 Q. The so-called F1 or factor one?

23 A. Yes. Shall I proceed with this chart?

24 COMMISSIONER LEE: Yes.

25 THE WITNESS: So the green values here show the

1 actual production during the last several years. And these  
2 units are -- Here's 80 million MCF. Well, you can also say  
3 this is 80 BCF. This is 80 BCF per year. And I'm  
4 pointing, when I say "this", for the record I'm pointing to  
5 the upper left-hand part of the chart here.

6 COMMISSIONER LEE: What's the correlation between  
7 this chart and the previous chart?

8 THE WITNESS: The previous chart, Exhibit 12,  
9 shows the nonmarginal acreage allocation factors for each  
10 gas proration unit of 160 acres, or per acreage factor.  
11 And what I've explained so far on Exhibit 13 is simply the  
12 measured actual production.

13 I'm about to explain the large blue bar here,  
14 which is --

15 COMMISSIONER LEE: I'm interested in why the blue  
16 bar is going down.

17 THE WITNESS: Well, the only reason the blue bar  
18 is going down is that in 1999 we're reporting only here  
19 nine months of information. I'm sure that actually, based  
20 on the way the allowable system has worked and the values  
21 used in Jalmat for many years, the 18,300 MCF per month,  
22 I'm sure that this blue bar for 1999 really would be up  
23 here, equal to the prior three years and no reduction in  
24 the allowable for the total.

25 Now, what these blue bars demonstrate are, if all

1 the wells or all the GPUs in Jalmat were nonmarginal and  
2 produced at the nonmarginal acreage allocation factor of  
3 18,300 per month, there are approximately 350 of them, and  
4 350 of them producing at 18,300 per month, would be this  
5 amount.

6 So that if the Jalmat Pool really were capable of  
7 producing in excess of, let's say, some market demand, and  
8 the pool were to be prorated to restrict its production,  
9 then these 350 acreage factors would be producing at this  
10 rate. But as a matter of fact --

11 Q. (By Mr. Gallegos) Which rate?

12 A. I'm sorry, the rate up here of almost 80 BCF per  
13 year, I'm pointing to, for the record.

14 But in fact, the pool producing near capacity or  
15 at capacity in modern years and in 1996 producing  
16 approximately 10 percent or 12 percent of the 78 BCF per  
17 year --

18 COMMISSIONER LEE: Is this allocation factor  
19 widely used by this Division?

20 CHAIRMAN WROTENBERY: The allocation factor?

21 COMMISSIONER LEE: Uh-huh.

22 CHAIRMAN WROTENBERY: Yes, this is part of the  
23 Division's prorationing system.

24 COMMISSIONER LEE: Okay.

25 CHAIRMAN WROTENBERY: I'm sorry, I --

1 MR. GALLEGOS: No, in southeast New Mexico.

2 CHAIRMAN WROTENBERY: Yes, in southeast New  
3 Mexico the allocation factor is based on acreage. In the  
4 northwest it gets a little more complicated, and you  
5 consider deliverability --

6 MR. GALLEGOS: Deliverability --

7 CHAIRMAN WROTENBERY: -- as well as acreage.

8 THE WITNESS: Mr. Gallegos --

9 Q. (By Mr. Gallegos) So --

10 A. Go ahead.

11 Q. -- in sum total, the graph shows that the  
12 allowables are not set in an amount less than what the pool  
13 can produce, but rather set in an amount far greater than  
14 what the pool can produce; is that the substance of what's  
15 shown?

16 A. That's basically what this Exhibit 13 shows.

17 Q. Does Exhibit 14 show the same thing for the  
18 Eumont Pool?

19 A. Is that Exhibit 14?

20 Q. Yes, sir.

21 A. I'll mark it on my copy.

22 Yes, the Eumont Pool and the Jalmat Pool are very  
23 similar in many respects, and are governed by nearly  
24 identical rules. So Exhibit 14 shows the same type of  
25 relationship for the Eumont Pool. And in the Eumont Pool

1 the actual production amounts shown by the green bars are  
2 approximately 15 percent of the maximum allowable shown by  
3 the blue bars, whereas in the Jalmat, the actual was about  
4 10 percent of the maximum allowable.

5 Q. Now, have you examined the wording of Section  
6 70-2-16 of the New Mexico Oil and Gas Act, not from the  
7 standpoint of the law but an engineering standpoint of what  
8 is called for there in terms of setting allowables by this  
9 agency?

10 A. Yes.

11 Q. Okay. First of all, is there a difference in  
12 what it calls for in setting the pool allowables and  
13 setting allowables per well?

14 A. Well, yes, there's a difference in the  
15 description of the responsibility --

16 Q. Okay.

17 A. -- and the activities.

18 Q. Okay, what is specified -- If the statutory  
19 methodology were to be applied, what is specified, first of  
20 all, for a pool, a gas pool?

21 A. Well, for the pool -- and I quote here, I've  
22 taken some of the verbiage out of the statute. To prevent  
23 waste, the Commission fixes allowables less than the pool  
24 could produce. Also, the Commission must consider market  
25 demand and determine market.

1           So from the pool standpoint, it appears to me the  
2 primary directive is to prevent waste and fix allowables  
3 less than what the pool could produce.

4           But from a well standpoint, then, if the pool is  
5 going to be prorated and the production from the pool, if  
6 it's going to be restricted below what it could produce,  
7 then there's a system needed to allocate the pool's  
8 production among wells, and a primary concern then being to  
9 protect correlative rights.

10           And I quote, "...shall prevent drainage between  
11 producing tracts insofar as is practicable." And the  
12 Division may give equitable consideration to the following  
13 types of data: acreage -- acreage being one factor --  
14 pressure, open flow, deliverability, porosity,  
15 permeability, and other factors that may pertain.

16           Now, for many years the Commission and the  
17 Division required annual pressure data to be measured and  
18 reported on wells in these pools, but that practice, it  
19 appears, was stopped in 1993, approximately. And since  
20 1993 there's been no requirement for measuring pressures in  
21 these two pools. And that's a dirty shame, because without  
22 required pressures to be measured and reported, it's very  
23 difficult, it's very, very difficult, then, to determine  
24 how to protect correlative rights and prevent drainage  
25 between producing tracts insofar as is practicable, to do



1 the allocation process among the wells.

2 MR. GALLEGOS: We would ask admission of Exhibits  
3 10, 11, 12, 13, 14, and pass the witness for cross-  
4 examination.

5 CHAIRMAN WROTENBERY: 10, 11, 12, 13 and 14 are  
6 admitted into the record.

7 Mr. Carr, do you have any questions?

8 MR. CARR: I have no questions of Dr. Van Kirk.

9 CHAIRMAN WROTENBERY: Mr. Kellahin?

10 MR. KELLAHIN: No, ma'am.

11 CHAIRMAN WROTENBERY: Commissioner Bailey?

12 COMMISSIONER BAILEY: Was 19 admitted into the  
13 record?

14 CHAIRMAN WROTENBERY: It has not been admitted  
15 into the record. Exhibit 19, did you intend to --

16 MR. GALLEGOS: Yes, I'd like to -- We've got some  
17 of these hearing transcripts that Mr. Condon mentioned,  
18 that -- Were they passed out?

19 CHAIRMAN WROTENBERY: Yes, we've got Exhibits 18,  
20 19 --

21 MR. GALLEGOS: 18 --

22 CHAIRMAN WROTENBERY: -- 19 --

23 MR. GALLEGOS: -- 19, 20, 21, are the hearing  
24 transcripts.

25 CHAIRMAN WROTENBERY: Did you identify 20 and 21?

1 MR. GALLEGOS: 20 is the transcript of the  
2 allowable hearing of September 10, 1998, and 21 is the  
3 hearing of February 11, 1999, that case being 12,124, and  
4 the earlier, 12,040.

5 CHAIRMAN WROTENBERY: Could I ask for a  
6 supplement for Exhibit Number 19 to include the docket for  
7 that case, to see how that particular case was advertised?

8 MR. GALLEGOS: Okay, I don't have that, but I'm  
9 sure that can be recovered from the records, if -- Let's  
10 see, 19 was --

11 COMMISSIONER BAILEY: 19 was the February 26th,  
12 1998, the one that you quoted from.

13 MR. GALLEGOS: 19, Chair Wrotenbery at page 3, I  
14 think, is reading the notification, but that's not the  
15 docket itself.

16 COMMISSIONER BAILEY: No, I'd like to see the  
17 docket --

18 MR. GALLEGOS: Okay.

19 COMMISSIONER BAILEY: -- how that case was  
20 advertised.

21 MR. GALLEGOS: Okay, we'll get a copy of that.  
22 That's --

23 CHAIRMAN WROTENBERY: We can --

24 MR. GALLEGOS: -- Case Number 11,931.

25 CHAIRMAN WROTENBERY: We can take official notice

1 of that particular docket --

2 MR. GALLEGOS: All right.

3 CHAIRMAN WROTENBERY: -- make sure that it gets  
4 in the record.

5 MR. GALLEGOS: But we'd be happy to get that and  
6 make it an Exhibit 19A for the record.

7 EXAMINATION

8 BY COMMISSIONER BAILEY:

9 Q. Dr. Van Kirk, the proration units are based on  
10 the theoretical drainage of the well over its lifetime; is  
11 that correct?

12 A. I don't know that it's necessary to use the word  
13 "theoretical". A proration unit is supposed to certainly  
14 address and consider and try to approximate, as best as is  
15 practicable, an area that can be drained by a well on a  
16 proration unit during a natural life in a reasonable amount  
17 of time, efficiently and economically.

18 Q. How would you estimate the drainage of the wells  
19 that have been in production since the 1930s? Have they  
20 already drained more than their theoretical 160 acres?

21 A. There aren't so many wells left that were on  
22 production in the 1930s. Most of them, if not all of  
23 them -- and I'm not sure that the number is zero, but most  
24 of them, if not all of them, have been replaced, plugged  
25 and abandoned.

1 But regardless of whether the well was on  
2 production from the 1930s or 1950s or 1980s, there are  
3 engineering techniques or procedures that we can follow for  
4 estimating drainage areas of wells.

5 And for example, one of the fundamental things  
6 that -- or approaches that would be taken would be to  
7 estimate the thickness of the producing reservoir at the  
8 well location and its porosity and its water saturation,  
9 therefore estimating its gas saturation, and the initial  
10 pressure in the reservoir, and the physical properties of  
11 the gas, to estimate the original gas in place at the well  
12 location, and then analyzing similar wells in the area,  
13 neighbors, to estimate their thicknesses also, to  
14 determine, in fact, is the reservoir relatively constant  
15 thickness, similar thicknesses throughout the area, based  
16 on many-well information, or does it vary in thickness?

17 But we have techniques for estimating from this  
18 volumetric standpoint the thickness and the porosity, those  
19 properties, how much gas was there in the beginning when  
20 the well started production?

21 And then as the years go by and the actual  
22 production is measured, you can estimate how big an area  
23 must this well be draining to have given this much  
24 production out of that much thickness? And frequently --  
25 and it's common, it's natural in our business in petroleum

1 reservoir exploitation, that the area being drained by one  
2 well is estimated and is reasonable. And then you can even  
3 forecast -- the way the production rate has been declining,  
4 you can forecast how much more it will produce.

5 And also, it's so helpful to have pressure  
6 information, and especially in a gas reservoir. If you  
7 have pressure information, for example, estimating the  
8 initial pressure, perhaps a little over 1000 p.s.i.,  
9 keeping track of pressures periodically -- annually is very  
10 nice -- to see how the pressure is declining. You have  
11 other engineering approaches to review the past pressure-  
12 decline trends and predict those into the future, to  
13 estimate how much more gas a well would produce.

14 So there's a couple different approaches for  
15 estimating recovery amounts from a gas well, or from many  
16 gas wells, and having estimated the thickness and porosity  
17 and forth, and we can estimate the drainage area. And  
18 these computations cannot be done perfectly, they cannot be  
19 done exactly, it's not that precise; but it's plenty  
20 accurate for us to do our jobs as petroleum engineers in  
21 estimating of drainage areas.

22 There's always some room -- I should say, there's  
23 always some uncertainty, naturally, but we can't confuse --  
24 it would be very difficult to confuse a well draining only  
25 40 acres, as compared to a well draining 160 acres or 200

1     acres or 300 acres. They would not look similar. And we  
2     cannot be that uncertain about the thickness and the  
3     porosity and those parameters.

4             But if you don't have pressure data, it makes it  
5     more difficult and more uncertain and less comfortable.

6             Q.     Let me try to get to it another way, then. Over  
7     what period of time would an average Jalmat or Eumont well  
8     drain 160 acres?

9             A.     And I think by "drain", I think you mean  
10    sufficiently?

11            Q.     Yes.

12            A.     So that it has done its service to humanity?

13            Q.     In primary production.

14            A.     Well, then, for gas -- for gas here, it would  
15    only be primary production. This gas is not going to enjoy  
16    any secondary recovery, like water injection or anything  
17    like that.

18            It depends -- For a single well, let's say, to  
19    drain efficiently and economically 160 acres, it does  
20    depend on how the well was completed. And there are many  
21    examples of wells drilled and completed in the 1930s and  
22    1940s and 1950s, and even in modern decades, the wells were  
23    not completed very efficiently. The excuses -- The reasons  
24    in the 1930s, 1940s and 1950s was because at that time the  
25    best understanding, the technology, was being practiced.

1 But as the decades have gone on, we've got better  
2 technology, better techniques. For example, hydraulic  
3 frac'ing of wells, developed about 1950. And prior to  
4 that, many of the wells in the Jalmat and Eumont area were  
5 fractured with nitroglycerine, open-hole completions.

6 Through the years, the old wells not only  
7 completed inefficiently as compared to today's capability,  
8 but also the old wells tend to lose their ability to  
9 produce. Material can move through the reservoir and plug  
10 up the perforations or the wellbore vicinity around the  
11 well, or water production can interfere with the ability  
12 for gas to flow through the rock into the well, corrosion  
13 can eat holes in casing and pipe, cement can be damaged  
14 either by the initial nitroglycerine explosion or with  
15 corrosion through the years.

16 So the older wells demonstrated plenty of  
17 communication over 160 acres or over 640 acres, plenty of  
18 communication. But as the decades went by, the older wells  
19 -- not such good drainers of 160 acres.

20 Now, in more modern decades, 1990s and 1980s and  
21 1970s, improved technology for frac'ing wells with  
22 hydraulic frac jobs, a better chance of getting a good  
23 completion -- an efficient connection between the well and  
24 the reservoir. Good frac jobs, clean out the well.

25 How long would it take, a good completion, an

1 efficient, modern completion, to drain 160 acres? I have  
2 not done a computation to try to quantify that. But based  
3 on reviewing many wells through the years and their  
4 performance, more than 10 years, less than 30, a reasonable  
5 period of time, in our business, for wells to be drilled  
6 and completed and produced and have a normal life.

7 COMMISSIONER BAILEY: That's all I have.

8 CHAIRMAN WROTENBERY: Commissioner Lee?

9 EXAMINATION

10 BY COMMISSIONER LEE:

11 Q. What's the average permeability in this  
12 reservoir?

13 A. That's -- I hate to say it's a good question.  
14 It's a tough question. I'm not aware of any reservoirwide  
15 study that's ever been to try to quantify that for an  
16 average value for the reservoir.

17 As a matter of fact, the Jalmat and the Eumont  
18 are so large that the reservoir properties naturally vary  
19 geographically, because the fields are so large. And  
20 there's a pretty well known fairway or trend down the  
21 center that has better rock properties -- for example,  
22 permeability -- than some of the outlying areas. But  
23 that's pretty well understood by the operators.

24 The permeabilities that I've seen from core  
25 analyses and reports, several millidarcies. Now, some of



1 the rock -- Certainly, there's some rock that has  
2 permeabilities of less than one millidarcy, naturally. But  
3 because it's gas, the gas can flow through that tighter  
4 rock, whereas oil would have a much more difficult time  
5 flowing. I've seen permeabilities of 10 millidarcies and  
6 20 millidarcies also.

7 I would estimate the average permeabilities  
8 between one millidarcy and 10 or 20 millidarcies, somewhere  
9 in that range, but it does vary from geographical area to  
10 geographical area.

11 Q. Did you every calculate the drainage area?

12 A. A drainage area? For many wells, yes.

13 Q. So do you take adjacent wells into account?

14 A. Yes.

15 Q. So you just regionally calculate it?

16 A. Yes, I've never done it for the whole field, I've  
17 not done it for all the wells in the field, but for many  
18 wells I have calculated drainage areas.

19 Q. Is that pretty much the same size?

20 A. Well, no, but they're large. The calculations  
21 always come out for modern --

22 Q. -- is large?

23 A. Well, I mean --

24 Q. These two wells are very close. They've got to  
25 be the middle. If your answer is large --

1           A.   Historically, the wells have produced either on  
2   640s or 160s. And in more modern times, with many wells on  
3   160s and more modern information so that we can do these  
4   computations with more confidence, the drainage areas are  
5   coming out, normally, usually, bigger than 160 acres.

6           Q.   So the two wells have a separate -- Okay, then  
7   when you calculate this drainage, what kind of permeability  
8   do you use, roughly?

9           A.   Well, to do the calculation from a material  
10  balance standpoint, we don't have to identify permeability.

11          Q.   You don't?

12          A.   No, not for material balance. Just the pressure  
13  difference, the pressure decline, the rate of pressure  
14  decline, the production rate decline, decline curve  
15  analysis, combined with P/Z versus cum gas production.

16          Q.   P/Z versus cum, you're already assuming this gas  
17  is going to have a certain volume, right? If the well --

18          A.   No.

19          Q.   -- produced -- P/Z, the V is constant.

20          A.   Keeping a record of the pressure versus the cum  
21  production from many wells --

22          Q.   The V is not constant in the P/Z?

23          A.   No, not on gas well --

24          Q.   Then how can you have a straight line for P/Z?

25          A.   If -- for example, if you had -- Let's say, for

1 example, if you had a homogeneous reservoir, if you did  
2 have a homogeneous reservoir with uniform spacing, all  
3 wells identical, all wells producing the same way, each  
4 well would decline in the same way. In fact, each well  
5 would produce the same amount of gas.

6 And the P/Z-versus-cum production analysis would  
7 demonstrate each well draining the same -- exactly the  
8 same-size area. And the drainage area would be the same  
9 for every well, clearly identified, and the drainage volume  
10 only determined by the distance to the neighboring  
11 identical well.

12 Now, the fact is, in real reservoirs, you know,  
13 it's not homogeneous. No reservoirs are homogeneous, and  
14 the Jalmat certainly is not. Some of the wells on 160s are  
15 more modern wells, drilled in the 1980s with good  
16 completions. Other wells perhaps were drilled in the  
17 1980s, but perhaps not such good completions, or they're  
18 older wells, not so efficiently connected to the reservoir.

19 So in the Jalmat through the decades, it is not  
20 difficult to see that some wells have produced far more gas  
21 than you could possibly get from 160 acres. In fact,  
22 they're draining 300 or 400 acres, and other wells on 160s  
23 appear to be only draining a smaller amount.

24 Q. Okay, basically you're assuming every well,  
25 regardless of the production scheme. Then you plot the P/Z

1     versus cum, extend it, and that will be your drainage area  
2     calculation?

3           A.     Well, first you do a drainage area calculation on  
4     the actual observed and measured production amounts and  
5     pressures and conclude today that, my gosh, the well has  
6     already drained 200 acres, and it appears, based on the  
7     trends and extrapolating, it's going to drain 250. I mean,  
8     that's a common conclusion.

9           Q.     What is the choke usually, right now, that they  
10    use on the surface?

11          A.     The choke size?

12          Q.     Yes.

13          A.     I think these wells are as open as they can be  
14    open. The line pressure in the area is down to five or six  
15    or seven p.s.i.g.

16          Q.     So there's no restriction?

17          A.     They would rather not restrict at all.

18          Q.     In the beginning, do you know, in the beginning  
19    of this well, do they choke it back?

20          A.     What did you say? A modern well, drilled in the  
21    last 10 or 20 years, or the --

22          Q.     Thirties well, Fifties well?

23          A.     Well, those old wells, Thirties, Forties and  
24    Fifties, since the pool was prorated, I would believe that  
25    the wells were choked back and restricted, and the line

1 pressure was higher, because some of those wells'  
2 capabilities were millions of cubic feet per day per well,  
3 at the initial pressure of more than 1000 p.s.i.

4 COMMISSIONER LEE: All right, thank you.

5 CHAIRMAN WROTENBERY: I don't believe I have any  
6 questions.

7 Oh, I'm sorry, Ms. Hebert?

8 MS. HEBERT: Madame Chair?

9 EXAMINATION

10 BY MS. HEBERT:

11 Q. Mr. Van Kirk, are you recommending that the Oil  
12 Conservation Commission modify the allowables that have  
13 been proposed?

14 A. No.

15 Q. You're not making a recommendation as to the  
16 factors for the allowables?

17 A. No, not as far as the number goes. Shall I make  
18 a recommendation or not?

19 MR. GALLEGOS: What is your recommendation?

20 THE WITNESS: To do away with the prorationing of  
21 this pool.

22 Q. (By Ms. Hebert) So your recommendation is  
23 abolishing, as Mr. Carr referenced earlier, as opposed to  
24 modifying?

25 A. That's correct.

1 MS. HEBERT: Thank you.

2 THE WITNESS: You're welcome.

3 MR. GALLEGOS: Or -- Your recommendation to  
4 modify the allowable to be no allowable for this six-month  
5 period for those two pools?

6 THE WITNESS: I think that has the same effect  
7 as de-prorating it, but this would be for a six-month  
8 period --

9 CHAIRMAN WROTENBERY: No, I don't think you would  
10 want to allow no -- zero allowable. Nobody would be --

11 THE WITNESS: No, I don't mean -- I think we're  
12 careful not to say zero.

13 MR. GALLEGOS: Yeah.

14 THE WITNESS: I'm not choosing the number zero,  
15 simply to have no allowable. It's not zero, it just  
16 doesn't exist.

17 MR. GALLEGOS: Okay, that's what I meant to say.

18 CHAIRMAN WROTENBERY: Anything else, Mr.  
19 Gallegos?

20 MR. GALLEGOS: We have some other exhibits that  
21 were in the packet that we handed out -- they're Exhibits 1  
22 through 9 -- and I'd like to have them admitted. They're  
23 basically excerpts of the rules; and then we have the  
24 February 4, 2000, memorandum I mentioned; the docket for  
25 this case; the May 21, 1987, memorandum for Mr. LeMay,

1     which is when they started this new method where the old  
2     nomination system went out; and then Order R-10,508 is  
3     Exhibit 8; and Order R-11,228 is Exhibit 9. Most of those  
4     things are just records of the agency itself, but I'd like  
5     to ask that they be admitted as exhibits to this hearing.

6             CHAIRMAN WROTENBERY: That's Exhibits 1 through  
7     9?

8             MR. GALLEGOS: Yes, ma'am.

9             CHAIRMAN WROTENBERY: Okay, those will be  
10    admitted into the record.

11            And just to make sure that we've got Exhibits 18,  
12    19, 20 and 21, I just want to note that those are admitted  
13    into the record as well. And Mr. Gallegos, you're going to  
14    provide an Exhibit 19A for the record, that is the docket?

15            MR. GALLEGOS: Yes, Madame Chairman, the hearing  
16    notice for that case.

17            CHAIRMAN WROTENBERY: Okay.

18            MR. GALLEGOS: That completes our presentation we  
19    have for Doyle Hartman.

20            CHAIRMAN WROTENBERY: Thank you, Mr. Gallegos.

21            Commissioners, what I would propose we do is take  
22    this matter under advisement until the next Commission  
23    hearing on March 24th. We do have time to consider this  
24    matter further, given that we're talking about the  
25    allowables for the April -- starting April 1st. So if

1 that's okay with you, that's what I would propose we do at  
2 this point.

3 COMMISSIONER BAILEY: That's fine with me.

4 MR. KELLAHIN: Madame Chairman --

5 CHAIRMAN WROTENBERY: Yes?

6 MR. KELLAHIN: -- before you take this case under  
7 advisement, there's some additional evidence I'd like you  
8 to consider in the case. I'd like you to consider taking  
9 administrative notice of Case 10,111. It was originally  
10 heard by the Division Examiner back in 1990. It was an  
11 application by Doyle Hartman to set a minimum allowable in  
12 the Jalmat Pool. That minimum allowable is 600 MCF per  
13 day, per acreage factor of 1.

14 That case was reopened, using the same case  
15 number, and was heard before Examiner Stogner in 1994. The  
16 order numbers to refer to are Order Numbers R-8170-J and  
17 8170-J-1. And if you'll allow me to make a statement, I  
18 can tell you why those are relevant.

19 CHAIRMAN WROTENBERY: Okay, please go ahead.

20 MR. KELLAHIN: At the last Commission allowable  
21 hearing you assigned allowables on a GPU basis in the  
22 Jalmat Gas Pool using an acreage factor of 1. The number  
23 is 18,300 a month, and if you divide it by 30 it's slightly  
24 more than 600 MCF a day.

25 Mr. Hartman comes before you today complaining,



1 as best I can tell, that the allowable is substantially  
2 higher than pool production, and he quotes you to a  
3 particular portion of the statute saying that you cannot do  
4 this.

5 The reason you're doing this is that you've  
6 granted Mr. Hartman's request to do this. If there's a  
7 problem, he made it. The allowable you've been asked to  
8 adopt in this proceeding is consistent with the minimum  
9 you've adopted at Mr. Hartman's request.

10 And that was done in two proceedings in order to  
11 encourage infill drilling. I suggest that you might want  
12 to look at a map of the Jalmat Gas Pool. There's one  
13 downstairs. It will show you that there are few 640-acre  
14 standard GPUs. You can look at it, it looks like a  
15 patchwork quilt. There are dozens, if not a hundred or  
16 more, nonstandard proration units. There are areas where  
17 well density is on 40-acre offsets.

18 And the reason you did that is to encourage  
19 infill drilling and to establish a minimum. And when you  
20 look at the last order the Division entered, you can go to  
21 the ordering paragraph and you say, under Rule 8, Minimum  
22 Allowable, Notwithstanding the provisions of Rule Number 3  
23 and 5 of the General Rules and Regulations for Prorated Gas  
24 Pools in New Mexico, the Division shall assign a minimum  
25 gas allowable of 600 a day per acreage factor of one.

1           It then goes on and says that should it become  
2   evident that correlative rights are being violated or waste  
3   is occurring by any actions allowed under this Order, the  
4   Division shall retain authority to adjust downward or  
5   eliminate said minimum gas allowable within the Jalmat Gas  
6   Pool, and such action shall be taken, if necessary, after  
7   notice and hearing.

8           What they're complaining about now is what they  
9   have caused in this pool. And this Commission is simply  
10   acting consistent with this Division order setting this as  
11   the allowable. In fact, they can't go lower, this is the  
12   minimum. And now Hartman has an excuse, complains about  
13   action that he's taken, the substitute of which is to  
14   abandon prorationing in the pool, and we have that in this  
15   pool to protect correlative rights.

16           We would ask that you deny Mr. Hartman's request  
17   to abandon prorationing, suspend prorationing or do  
18   anything other than is proposed in your advertisement, and  
19   that is to set the minimum allowable at 600 a day per 160-  
20   acre GPU.

21           MR. GALLEGOS: Madame Chair, we have no objection  
22   to admission in the record of those two orders, the first  
23   one entered in January of 1991.

24           Fortunately, we're not locked in time. Ten  
25   years' history is behind us, and these graphs demonstrate

1 what's happened over the last ten years to show that from a  
2 time when they were nonmarginal wells and the allowables  
3 actually had an effect on the quantity of production, that  
4 has passed, nonmarginal proration units are dinosaurs, they  
5 no longer exist, and the need for allowables no longer  
6 exists, and they should not be set for these two pools.

7 But we're not dealing with 1990 or 1991, we're  
8 dealing with 2000.

9 CHAIRMAN WROTENBERY: We will take official  
10 notice of those two orders.

11 Okay, Mr. Kellahin, let me make sure for the  
12 record I've got down what you were talking about.

13 MR. KELLAHIN: There are two case files --

14 CHAIRMAN WROTENBERY: There are two case files.  
15 One is R-8170-J, R-8170-J?

16 MR. KELLAHIN: That is the order that was issued  
17 as a result of the 1990 hearing.

18 CHAIRMAN WROTENBERY: Okay.

19 MR. KELLAHIN: J-1 is the supplement order issued  
20 in 1994, applying the same case number, but it's coded so  
21 it says "Reopened". So there's two separate case files.

22 CHAIRMAN WROTENBERY: Okay. We'll take official  
23 notice of both those case files under the number of Case  
24 Number 10,111.

25 MR. GALLEGOS: And Madame Chair, since the Eumont

1 is involved here, there is a similar order. I don't have  
2 the number. At Texaco's insistence or request back in 1989  
3 or 1990, there was a similar order setting the Eumont Pool  
4 that minimum allowable.

5 CHAIRMAN WROTENBERY: Okay. Yes, Commissioner  
6 Lee?

7 COMMISSIONER LEE: In 1991, the allowable and  
8 actual production, what's the relationship? What's the  
9 relative -- Allowable is higher than the production?

10 MR. KELLAHIN: I'm sorry, was that a question  
11 for --

12 COMMISSIONER LEE: 1991 --

13 MR. KELLAHIN: Yes, sir.

14 COMMISSIONER LEE: -- when Mr. Hartman pushed for  
15 an allowable, minimum allowable, is that allowable higher  
16 than the production?

17 MR. GALLEGOS: Well, Exhibit 10 shows that about  
18 that time there were about -- I don't know, something  
19 around 40 odd nonmarginal acreage factors. So that would  
20 mean -- I'm sure Mr. Kellahin agrees. That means that for  
21 those particular GPUs there was an allowable that  
22 restricted production.

23 CHAIRMAN WROTENBERY: Thank you.

24 Thank you, Mr. Van Kirk, for your testimony.

25 MR. VAN KIRK: You're welcome.

1           CHAIRMAN WROTENBERY: Mr. Gallegos, Mr. Kellahin,  
2 Mr. Carr, we appreciate your attendance today.

3           And we will take this case under advisement,  
4 pending our meeting on March 24th.

5           MR. GALLEGOS: 24th, was that?

6           CHAIRMAN WROTENBERY: March 24th.

7           (Thereupon, these proceedings were concluded at  
8 12:22 p.m.)

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## CERTIFICATE OF REPORTER

STATE OF NEW MEXICO    )  
                                  )   ss.  
COUNTY OF SANTA FE    )

I, Steven T. Brenner, Certified Court Reporter and Notary Public, HEREBY CERTIFY that the foregoing transcript of proceedings before the Oil Conservation Commission was reported by me; that I transcribed my notes; and that the foregoing is a true and accurate record of the proceedings.

I FURTHER CERTIFY that I am not a relative or employee of any of the parties or attorneys involved in this matter and that I have no personal interest in the final disposition of this matter.

WITNESS MY HAND AND SEAL March 1st, 2000.



STEVEN T. BRENNER  
CCR No. 7

My commission expires: October 14, 2002