

1 NEW MEXICO OIL CONSERVATION COMMISSION

2 STATE LAND OFFICE BUILDING

3 STATE OF NEW MEXICO

4 CASE NO. 10398

5
6 IN THE MATTER OF:7 The hearing called by the Oil
8 Conservation Division on its own
9 motion to amend Rules 403 and 1110
10 of the General Rules and Regulations
11 of the New Mexico Oil Conservation
12 Division by adopting alternate
13 methods for measuring and reporting
14 gas production from low capacity
15 wells.16
17 BEFORE:18 WILLIAM J. LeMAY, CHAIRMAN
19 WILLIAM WEISS, COMMISSIONER
20 JAMI BAILEY, COMMISSIONER21 State Land Office Building
22 Morgan Hall
23 Thursday, November 14, 199124
25 REPORTED BY:26 DEBBIE VESTAL
27 Certified Shorthand Reporter
28 for the State of New Mexico29
30 ORIGINAL

A P P E A R A N C E S

FOR THE NEW MEXICO OIL CONSERVATION DIVISION:

ROBERT G. STOVALL, ESQ.

General Counsel

State Land Office Building

Santa Fe, New Mexico 87504

1 CHAIRMAN LeMAY: Good morning. This is
2 the Oil Conservation Commission. My name is Bill
3 LeMay; I'm chairman. On my right is Commissioner
4 Jami Bailey, on my left, Commissioner Bill
5 Weiss. We hope you're in the right spot. We're
6 not taking Workman's Compensation claims today.

7 We'll start by announcing some dates
8 here. These are tentative dates for Commission
9 hearings in 1992. Currently we don't plan to
10 have a December meeting. But in January, we've
11 got January 16, that's a Thursday. In February,
12 February 27 -- again, these are all Thursdays.
13 That January -- or February 27 will be the gas
14 proration hearing for the next six months, which
15 will begin April 1. March 12, April 9, May 21,
16 and June 18.

17 Now, those dates are subject to change,
18 but I wanted to put those out to you in case
19 there's any known conflicts that you have,
20 especially for my fellow commissioners here, if
21 they have a problem with them, we'll change them
22 around.

23 We'll begin by calling Case No. 10398.

24 MR. STOVALL: In the matter of the
25 hearing called by the Oil Conservation Division

1 on its own motion to amend Rules 403 and 1110 of
2 the General Rules and Regulations of the Division
3 by adopting alternate methods for measuring and
4 reporting gas production from low capacity
5 wells.

6 Mr. Chairman, this case was heard at
7 the last Commission hearing. It is on the docket
8 simply because there was advertising that did not
9 get in all the papers as required under the
10 rules. There is nothing additional to present in
11 this case, unless anybody else here has anything.

12 CHAIRMAN LeMAY: Is there anyone that
13 has anything additional to present in this Case
14 10398? If not, we shall continue to take that
15 case under advisement.

16 (And the proceedings were concluded.)
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18
19
20
21
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25

CERTIFICATE OF REPORTER

STATE OF NEW MEXICO)


) ss.

COUNTY OF SANTA FE)

I, Debbie Vestal, Certified Shorthand Reporter and Notary Public, HEREBY CERTIFY that the foregoing transcript of proceedings before the Oil Conservation Commission was reported by me; that I caused my notes to be transcribed under my personal supervision; 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 November 17,
1991.


DEBBIE VESTAL, RPR
Certified Shorthand Reporter No. 400

NEW MEXICO OIL CONSERVATION COMMISSION

COMMISSION HEARING

SANTA FE, NEW MEXICO

Hearing Date OCTOBER 10, 1991 Time: 9:00

NAME	REPRESENTING	LOCATION
Kevin McCord	KM Production Co- Robert L. Byrness	Farmington
H.L. Boba Kandich	El Paso Natural Gas Co	El Paso TX
W. Perry Pearce	Montgomery & Andrews	Santa Fe
TOM R. SEIFERT	PERSONAL INFORMATION	RIO ARriba CO. NM.
Charles Vargues	Caulkins	Farmington
Bill Hawkins	Amoco	Denver
William T. Gay	Campbell, Gay, Foye & Shunk	Santa Fe
Dennis J. Dwyer	El Paso Natural Gas Co.	El Paso, Texas
Maurice Trimmer	Byrness	ST
W. J. Kellum	Kellum, Kellum & Aubrey	Santa Fe
Victor T. Lynn	Consultant	Santa Fe
Correll E. Crawford	El Paso Natural Gas Co	El Paso, TX
DAVE CAMARCO	EL PASO NATURAL GAS	EL PASO, TX
CHUCK MCBRYDE	EL PASO NATURAL GAS	EL PASO, TX
LONNIE LAFFERTY	EL PASO NAT. GAS	EL PASO, TX
Joe CHESSE	BLM	SANTA FE NM
Steve Salzman	BLM	Santa Fe NM
Rodney F. Wilson	Warren Petroleum Co.	Tulsa, Co.
Robert H. Butler	"	" OKC

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for the State of New Mexico**ORIGINAL**

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FOR KM PRODUCTION COMPANY & ROBERT L. BAYLESS:

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I N D E X

	Page Number
Appearances	2
Opening Statement by Mr. Stovall	5
WITNESSES:	
1. JERRY SEXTON	
Examination by Mr. Stovall	14
Examination by Mr. Butler	29
Examination by Comm. Bailey	30
Examination by Comm. Weiss	31
Examination by Chair. LeMay	33
2. JOE CHESSER	
Examination by Mr. Stovall	36
Examination by Mr. McCord	40
3. CARROLL CRAWFORD	
Examination by Mr. Pearce	44
Examination by Comm. Bailey	66
Examination by Comm. Weiss	68

1	4.	JAMES WILLIAM HAWKINS	
2		Examination by Mr. Carr	71
3		Examination by Mr. Pearce	77
4		Examination by Mr. Stovall	79
5		Examination by Comm. Weiss	83
6		Examination by Chair. LeMay	85
7			
8			
9		Closing Statements:	
10		By Mr. McCord	88
11		By Mr. Kellahin	90
12		By Mr. Stovall	90
13			
14		Certificate of Reporter	92
15			
16		E X H I B I T S	
17		Identified/Offered	
18			
19		Division Exhibit No. 1	18/29
20		Division Exhibit No. 2	24/29
21		Division Exhibit No. 3	25/29
22			
23		El Paso Exhibit No. 1	45/65
24			
25		Amoco Exhibit No. 1	73/76

1 CHAIRMAN LeMAY: If we'll take our
2 seats, we'll get underway. This is the Oil
3 Conservation Commission. My name is Bill LeMay.
4 On my left is Commissioner Bill Weiss, on my
5 right, Commissioner Jamie Bailey.

6 And good morning. We shall call the
7 first case, Case No. 9068.

8 MR. STOVALL: Application of Sage
9 Energy Company for saltwater disposal, Lea
10 County, New Mexico. Mr. Chairman, I believe this
11 case is going to be dismissed, but I don't know
12 if anybody is going to enter an appearance or
13 otherwise in the case.

14 CHAIRMAN LeMAY: We were informed it
15 was going to be dismissed.

16 Mr. Kellahin, did you at one time
17 represent Mr. Etcheberry, who I think was the --

18 MR. KELLAHIN: No, sir, not in this
19 case.

20 CHAIRMAN LeMAY: Not in this case.

21 MR. STOVALL: This is an old case that
22 apparently was on the docket or continued
23 indefinitely and has been brought up, and I
24 believe we have correspondence in the file that
25 would authorize and request a dismissal of this

1 case.

2 CHAIRMAN LeMAY: Is there anyone
3 objecting to the dismissal of Case No. 9068? If
4 not, that case shall be dismissed.

5 And we shall call Case 10398, In the
6 matter of the hearing called by the Oil
7 Conservation Division on its own motion to amend
8 Rules 403 and 1110 of the General Rules and
9 Regulations of the New Mexico Oil Conservation
10 Division by adopting alternative methods for
11 measuring and reporting gas production from low
12 capacity wells.

13 Appearances in the Case 10398.

14 MR. STOVALL: Robert G. Stovall of
15 Santa Fe on behalf of the Division.

16 CHAIRMAN LeMAY: And how many witnesses
17 do you have, Mr. Stovall?

18 MR. STOVALL: I have one actual witness
19 for the Division. I will also be sponsoring and
20 introducing a representative from the BLM who
21 will provide some comment on their position.

22 CHAIRMAN LeMAY: Thank you. Mr. Carr.

23 MR. CARR: May it please the
24 Commission, my name is William F. Carr with the
25 law firm, Campbell, Carr, Berge & Sheridan of

1 Santa Fe. I represent Amoco Production Company,
2 and I have one witness.

3 CHAIRMAN LeMAY: Thank you. Additional
4 appearances?

5 MR. McCORD: Mr. Chairman, I'm Kevin
6 McCord from Farmington, New Mexico. I'm
7 appearing on behalf of my company, KM Production
8 Company, and also Robert L. Bayless, producer
9 from Farmington. I have a letter I'd like to
10 present after the testimony is given.

11 CHAIRMAN LeMAY: Thank you, Mr.
12 McCord. Do you have any witnesses?

13 MR. McCORD: I do not.

14 CHAIRMAN LeMAY: Any additional?

15 MR. PEARCE: May it please the
16 Commission, I'm W. Perry Pearce from the law
17 firm, Montgomery & Andrews, appearing in this
18 matter on behalf of El Paso Natural Gas Company.

19 CHAIRMAN LeMAY: Do you have any
20 witnesses?

21 MR. PEARCE: I have one witness to be
22 sworn.

23 CHAIRMAN LeMAY: Additional appearances
24 in the case?

25 MR. KELLAHIN: Mr. Chairman, I'm Tom

1 Kellahin of the Santa Fe law firm of Kellahin,
2 Kellahin & Aubrey, appearing today on behalf of
3 the New Mexico Oil and Gas Association.

4 CHAIRMAN LeMAY: Do you have any
5 witnesses?

6 MR. KELLAHIN: No, sir.

7 CHAIRMAN LeMAY: Additional appearances
8 in the case? We'll have an opportunity at the
9 end for statements.

10 Will those witnesses that will be
11 giving testimony please rise and raise your right
12 hand.

13 (The witnesses were duly sworn.)

14 CHAIRMAN LeMAY: Mr. Stovall.

15 MR. STOVALL: Just to lay a background
16 for the record, before I actually call my first
17 witness, Mr. Chairman, let me explain the purpose
18 of this case. I think everybody really
19 understands what it's about.

20 One of the problems that's been
21 identified over the past two or three years is
22 the economic burden of individually metering or
23 measuring gas produced by what has been called
24 small volume wells.

25 Over a period of time, there's been

1 some question as to what actually constitutes a
2 small volume well. Is it a well that produces
3 under 100 Mcf a day, under 50 Mcf a day, under
4 25?

5 The economics, of course, are
6 particular to an individual company, but the
7 common theme running through all the discussions
8 has been that when a gas well reaches a certain
9 level of production, it is no longer in today's
10 gas market at today's gas prices, and with the
11 competitive nature of the market, it is no longer
12 economically feasible to individually meter with
13 proven meters the gas flowing from those wells.

14 This discussion was originally
15 initiated, I believe, by El Paso Natural Gas
16 about three years ago, and they started proposing
17 alternative methods for measuring gas from low
18 volume wells, of which there are many. And there
19 will be testimony about that in the course of
20 this hearing.

21 Costs of those measurements with the
22 testing requirements of the OCD and the various
23 royalty regulating agencies are significant. The
24 benefits derived are relatively low. And the net
25 result is that a large number of wells -- and

1 we'll use the term 100 Mcf a day as the starting
2 point for a low volume measurement -- a large
3 number of those wells are subject to the
4 potential of being turned in and perhaps
5 permanently lost as a result of the expenses of
6 measuring the volume. Yet many of those wells
7 are wells which are in the so-called tail end of
8 their decline curve, but that decline curve is,
9 in fact, flattened out to a large extent. These
10 wells produce these low volumes steadily for
11 still many years to come if they are allowed to
12 produce at economic levels.

13 As a result of the efforts, Mr. Jerry
14 Sexton will discuss the committee efforts that
15 were performed to study the problem and to come
16 up with a recommended solution. Involved in
17 those discussions -- in addition to the OCD,
18 which really has a relatively simple rule, it
19 says gas will be measured under the current
20 rule -- involved in the discussions also were the
21 State Land Office, which obviously has a
22 significant interest as a royalty owner in
23 production. They have their own set of rules as
24 to what's required in terms of measurement for
25 gas produced on state leases.

1 Also involved in the discussion was the
2 Bureau of Land Management, which, as we all know,
3 has a significant amount of acreage in New Mexico
4 from which gas is produced. They also have their
5 set of rules and requirements for measurement of
6 gas to which they are entitled to royalty.

7 They have all participated in the
8 discussions. And the BLM will be here today to
9 input their comments. I don't know if the State
10 Land Office has anybody. There were no
11 appearances by the State Land Office.

12 The net result is that from the
13 standpoint of the Oil Conservation Division what
14 is proposed is an amendment to Rule 403, which
15 rule is entitled, "Natural Gas from Gas Wells to
16 be Measured." The rule, as it stands now, very
17 simply says that gas will be measured before it's
18 transported to a transportation -- delivered to a
19 transportation facility.

20 What is proposed is a change which will
21 provide for alternative methods of measurements
22 as approved by the District Supervisor. And I'll
23 have Mr. Sexton go into the specifics of that
24 when I put him on.

25 The changes are relatively simple. The

1 changes have all been reviewed by industry. And
2 to the best of my knowledge, we have one
3 recommended change. Amoco Production, I believe,
4 will make a recommendation. I just saw it this
5 morning, and I can't comment on that at this
6 time.

7 Also proposed for addition is a, what
8 was advertised as an amendment to Rule 1110,
9 providing for a new Form C-110, which would be
10 the form which would be filed to request approval
11 from the district, OCD District Office, for this
12 alternative measurement method.

13 One change that Mr. Sexton will testify
14 to, when we chose this rule number, was because
15 it was an unused form and rule number in the
16 current OCD rules -- we subsequently learned that
17 the C-110 used to be a major form in the OCD
18 system -- and because of some concerns that there
19 could be confusion between an old C-110 and a new
20 C-110, we are proposing today that this new rule
21 be modified to be Rule 1136 in the Form BC-136.
22 But other than that, there are no changes to the
23 proposal.

24 The form will be attached and submitted
25 as an exhibit, but the form, of course, is not

1 adopted by rule; it's just there for
2 informational purposes and for comment. The
3 final form will be adopted by the Division.

4 Very quickly, the order of
5 presentation, I'll present Mr. Sexton, District
6 Supervisor from Hobbs, who will talk about the
7 history and the specific proposal. Then I'll ask
8 Mr. Joe Chesser from the BLM, we'll introduce
9 him, and he will make a comment with respect to
10 the BLM's position and concerns with respect to
11 this rule and with respect to the federal rules
12 with respect to measurement of gas.

13 After that Mr. Pearce, I believe, will
14 present -- I'm not necessarily specifying the
15 order -- Mr. Carroll Crawford, who has been the
16 major initiator of this action and who has done
17 a lot of the study and engineering analysis,
18 who will basically present the background,
19 justification, and evaluation of alternative
20 measurement methods to show that in fact there
21 are methods other than current metering which
22 are -- will provide acceptable levels of accuracy
23 in measurement at a much lower cost to all
24 parties concerned to enable these gas wells to
25 stay in production.

1 I believe Amoco Production, as I stated
2 before, will present a witness who has a proposed
3 additional modification to the rule to address
4 changing pipeline conditions, line pressure
5 conditions. And any other industry parties who
6 have comments or other input will then, of
7 course, have an opportunity.

8 Without further ado, I call Mr. Jerry
9 Sexton at this time.

10 CHAIRMAN LeMAY: Just one moment, Mr.
11 Stovall, if I can. Is there anyone that would
12 like to make an opening statement, especially if
13 they're in opposition to the adoption of the
14 rules for low volume gas?

15 Okay. That's fine. Thank you. You
16 may continue.

17 JERRY SEXTON
18 the witness herein, after having been previously
19 duly sworn, was examined and testified as
20 follows:

21 EXAMINATION

22 BY MR. STOVALL:

23 Q. Would you, please, state your name and
24 place of residence.

25 A. Jerry Sexton from Hobbs, New Mexico.

1 Q. And how are you employed, Mr. Sexton?

2 A. Employed by the Oil Conservation
3 Division as District Supervisor of District I.

4 Q. And how long have you been with the Oil
5 Conservation Division?

6 A. Sixteen years.

7 Q. And have you previously testified
8 before the Division or the Commission and had
9 your credentials accepted?

10 A. Yes.

11 Q. Have you been involved in studies in
12 volume involving the measurement of low volume
13 gas wells, gas production, and how to reduce
14 costs of measuring that gas?

15 A. Yes, I was the chairman of the
16 committee that was formed to look into the
17 problems of the low volume gas wells.

18 MR. STOVALL: Mr. Chairman, I am not
19 actually offering Mr. Sexton as a particular
20 expert in any field, but I think his background
21 and experience speaks for itself. And his
22 testimony is going to be offered to show how the
23 committee has worked and what the recommendations
24 are. And if you wish to have him qualified as an
25 expert --

1 CHAIRMAN LeMAY: I think Mr. Sexton is
2 qualified to speak now on the subject.

3 Q. Mr. Sexton, would you just for the
4 Commission briefly go through the history of how
5 this project evolved and what has caused us to
6 come to this hearing today.

7 A. Well, for several years now we've been
8 looking at the problem with the low volume gas
9 wells, and it especially accelerated as the price
10 of natural gas fell. And two years ago we were
11 thinking we had it taken care of by some minor
12 changes in frequency of metering and some other
13 small changes in the rules that would reduce the
14 cost for the pipelines to measure this gas.

15 But with the drop of gas prices, and I
16 think the northwest especially, the line
17 pressures have gone up and we've got a lot more
18 wells producing very, very marginal wells. We
19 got down to the point where there was -- we
20 either made some real exceptions to our past
21 knowledge -- and I'm the same way -- when you
22 think of metering gas, you think of just having
23 meters on them.

24 But when the gas volumes got down to
25 below 15 Mcf a day at the current prices, there

1 was no way you could consider going ahead with
2 metering. It was either an alternative method
3 had to be approved, or the wells were going to be
4 shut in or disconnected. And so this is one
5 reason that really accelerated these new
6 proposals.

7 Q. Mr. Sexton, I might interrupt you
8 here. Do you have a rough idea of what number of
9 wells might be involved and might benefit from
10 alternative proposals that we're making?

11 A. Last year over 2,000 wells in the
12 northwest that were producing less than 15 Mcf
13 day, and now I believe it's considerable from
14 that. My understanding is that there's over
15 2,000 wells today that will be considered for use
16 of this alternative method of metering that is
17 being presented today.

18 Q. Now, is it your understanding that
19 those 2,000 wells have a sufficient economic
20 life, if this proposal is adopted, to justify
21 continuing production for a number of years and
22 substantial volume?

23 A. Yes, I think there will be long-life
24 wells in the northwest at low volumes. And line
25 pressures are a problem, so this may be a

1 short-term solution where five years from now, as
2 additional capacity up there, where they can get
3 at a lower pressure, I look for these methods to
4 come in and out.

5 And, also, we set this up to where,
6 although we're proposing one method today to be
7 approved, it also sets up an outline for other
8 innovative thinkers to come to the districts with
9 other methods of non-metering gas since the only
10 alternative of non-metering of gas is
11 disconnecting.

12 And we also understand that we only
13 have so much to do with it; that the royalty
14 owners, the BLM, and the State Land Department
15 would also have to be consulted. But what we did
16 not want our rules to do is not hold back and to
17 encourage disconnecting of the gas wells.

18 Q. Mr. Sexton, I'd ask you to turn to
19 Division Exhibit No. 1. If anybody needs a copy
20 of it, that's the proposed rule, I still have
21 some copies. Would you explain to the Commission
22 and those who are present what changes are
23 proposed to Rule 403, which is entitled, "Natural
24 Gas from Gas Wells to be Measured."

25 A. Rule 403(A) is the same as was in the

1 previous rule. We started changes for Rule
2 403(B). And this just sets out two ways that --
3 number one, a way of producing settlement of gas
4 for 5 Mcf a day.

5 If the producer and the pipeline can
6 agree on some volume, either from last year's
7 production or a well test, then they can make a
8 settlement based on this agreement. And this
9 will also require agreement from the royalty.

10 And we have a form that you can submit
11 this data to us, and we'll accept it or deny it,
12 depending what is there. And then from wells
13 making from 5 to 15 Mcf, it sets up a procedure
14 where you can get a rate per hour, put in an hour
15 rate, or hour meter on there, and come up with a
16 volume of gas that will be acceptable to both the
17 producer and the pipeline.

18 And this is one of the things that we
19 set that this does not say the pipelines have the
20 right to do this without the producers' approval,
21 nor do the producers say to the pipeline, "We
22 want to use this." It takes both approvals, so
23 we feel like there is some hands-on agreements
24 that have to be made that somewhat protects the
25 rest of us.

1 Q. In other words, if I could just restate
2 to make sure we understand it clearly, if a well
3 is determined to be capable of producing less
4 than 15 Mcf a day, then the proposal under this
5 rule would be the operator and the pipeline, with
6 OCD approval, would establish the periodic
7 producing rate of that well is the first step of
8 that process; is that correct?

9 A. Right.

10 Q. And then that rate would be multiplied
11 times the number of periods in a reporting
12 period, usually a month, to determine the volume
13 of gas determined during that reporting period;
14 is that correct?

15 A. Yes, uh-huh.

16 Q. Now, if I understand this correctly,
17 also, if that well is capable of producing more
18 than 5 Mcf, this rule provision will require that
19 there be a device on the well that actually
20 measures the amount of time that gas is actually
21 flowing from that well?

22 A. Yes.

23 Q. What about wells that are of larger
24 capacity but still considered small volume and
25 uneconomic to meter individually?

1 A. Well, we said in the -- why we were
2 holding it back was that we required a meter on
3 each well, and so we set up to where we could
4 have it easier for central point deliveries to
5 become more effective.

6 In the northwest it's our understanding
7 that there's a lot of leases that have the same
8 working unit and the same royalty and the same
9 operators; that we would be requiring wells, even
10 low volume wells, to be metered, which is an
11 expense, a monthly expense, that really isn't
12 required.

13 It was always done in the past to
14 protect correlative rights and to make sure
15 everyone's proration units were coming from the
16 same -- getting a fair shake. But with today's
17 economic conditions, we felt like any well
18 producing 100 Mcf a day or less would not affect
19 the proration scheduling, nor correlative
20 rights. And we would give the companies the
21 right to put one central point delivery meter in
22 there and allocate it back from well test or
23 other approved ways which is approved by the
24 districts.

25 So they'll have one measurement, and

1 they'll have the option to allocate them back to
2 different wells on a different basis, depending
3 on what they submit.

4 Q. That would be applicable to wells that
5 are capable of producing less than 100 Mcf a day?

6 A. Yes.

7 Q. And the other element in a commingling
8 approval, there must be entirely common ownership
9 at that commingling point; is that correct?

10 A. Right. Like I say, it was our
11 understanding that it was the OCD's rulings that
12 didn't allow this; that the BLM and State Land
13 Office did not care if it was all one lease,
14 whether there was one meter or ten meters.

15 Q. Now, again, I believe you made the
16 statement, but let's clarify it, with respect to
17 the prorated gas pools, it's the opinion of the
18 Division that this should not adversely impact
19 the proration system because these smaller wells
20 should be marginal?

21 A. We would consider them marginal enough
22 that any allocation would not affect the total
23 overall proration unit, proration for scheduling.

24 Q. Now, as far as actually reporting the
25 volumes, what are the proposed requirements as

1 far as how volumes will be reported to the
2 Division?

3 A. They'll be reported, as they have been,
4 by the per-well basis, but it will be on an
5 approved method that the districts have
6 approved. This part has not changed except on
7 gas wells it will be something other than
8 meters.

9 Q. Now, again, I think you stated, but
10 let's reaffirm and clarify that, these rules that
11 are proposed, it is not the opinion or belief of
12 the OCD that these would impose or change or
13 modify the requirements of, say, the State Land
14 Office or the Bureau of Land Management on leases
15 made by those agencies where they have
16 regulations regarding measurements; is that
17 correct?

18 A. Well, we do not intend to supercede
19 their authority. And these were some of the
20 rules -- we felt we're giving the companies our
21 rules that were giving the companies problems.
22 And they've all -- all three agencies have been
23 in on these meetings.

24 And part of the -- as the industry
25 pointed out to us, that part of the problem with

1 metering was the rules that we had in place. In
2 the original operations of the normal gas field
3 that we've seen in the past, why, they probably
4 weren't burdensome, but under today's economic
5 pressures, why, I think all three agencies
6 probably had some rules that needed to be
7 updated. And it was left up to each one to do
8 that and we're doing ours through this.

9 Q. And the BLM and the State Land Office
10 all participated in the committee work, did they
11 not?

12 A. Yes, uh-huh.

13 Q. Now, as far as obtaining the
14 authorization, briefly, in my opening comment, I
15 commented with respect to Rule 1110, and I'll ask
16 you now to turn to Exhibit 2, the second page of
17 the packet. And, first off, I believe you're the
18 one that indicated that there previously was a
19 Form C-110; is that not correct?

20 A. Yes, uh-huh.

21 Q. And is it your opinion that naming this
22 new form of C-110 has the potential to create
23 confusion?

24 A. Yes. It's been the Division policy
25 that once a usage has been there, that we leave

1 it; we go on with the next number in sequence,
2 which would be Rule C-136. And C-110 was, in
3 earlier years, a completion form and had a lot of
4 the data.

5 So you would end up with two C-110
6 forms in the well file. And people would call in
7 and say, "Send us a C-110," and it would take
8 some clarification by either us or the operator
9 to get what is needed.

10 Q. Now, we'll propose that this new change
11 be Rule 1136 and the form be numbered C-136.
12 Would you just briefly, looking at Exhibit 3,
13 comment on how that works with this process.
14 Explain the form and the actual mechanics of
15 implementing the new requirements under Rule
16 403.

17 A. Well, I think it will be fairly
18 systematic and something that each operator
19 should have available. It just says how they're
20 basing their -- what they're asking for, what the
21 well number is, and the address, and the pool,
22 and then the history of the well, shows the
23 yearly average daily volume by the month, and
24 what -- how they read on the -- what volume they
25 were going to use, propose, and whether the well

1 will be equipped with the equipment that we're
2 proposing today be approved, and the gas bores
3 connected to the well.

4 And so we tried to put both these
5 exceptions on one form. And in Rule 403(B)(2),
6 it just shows, lists the plats showing all wells
7 going through a central point delivery and which
8 wells produce less than 100 Mcf a day and which
9 wells produce over 100 Mcf a day and a proposed
10 method of allocation, whether it's on a yearly
11 test, a monthly well test, or how they're going
12 to allocate production from a central point
13 delivery back to a well.

14 Q. Now, would it be your understanding
15 that in recommending adoption of this rule, that
16 it does require Division approval before this
17 alternate method can be implemented, and the
18 Division would have the opportunity to look and
19 make sure that the established or agreed upon
20 rates were reasonable and that everybody,
21 particularly the fee royalty owners' rights would
22 be protected by ensuring that the gas was
23 properly accounted for?

24 A. Yes. There will be enough data there
25 for this. And then, also, we'll use this form to

1 set up, like I say, for someone else that comes
2 up with new ideas that may not like this idea,
3 but think they will come up with a better idea,
4 where they can submit it through.

5 And one reason we want the district
6 approval, that it was pointed out at these
7 committee meetings, that to get a hearing like
8 this for each alternate proposal would cost the
9 operator about \$1,000. And to do this on a
10 15-Mcf-a-day well would, obviously, make this
11 uneconomical.

12 You're talking about a \$4- or \$500
13 temperature compensation making it uneconomical,
14 so a hearing for each new proposed rule, wells
15 making 15 Mcf a day, is not economical.

16 Q. Now, was it also your understanding
17 that if this rule is adopted, it would not
18 preclude the possibility of going to a hearing,
19 say, for commingling where there were differing
20 interests in the wells or other provisions where
21 exceptions to the rules could be granted under
22 the existing rules?

23 A. Yes, I think you'll see more of this.
24 But right now, until we revise our commingling
25 rules, you would have to come to a hearing for

1 anything except where royalty and working
2 interests are the same.

3 Q. I guess my question was, you would not
4 be precluded from doing that with this new system
5 either; is that correct?

6 A. No.

7 Q. So what, in conclusion, then was it
8 your belief that this system, in fact, adds
9 flexibility, gives a little greater freedom to
10 the operators of these low volumes wells and the
11 pipelines transporting the gas to, in fact, keep
12 the wells on production for an extended period?

13 A. Yes. We felt like this would clear up
14 the regulatory problems caused by the OCD that
15 was hindering low volume wells being kept on
16 production. And it got to the point where it was
17 obvious that without some flexibility these wells
18 would be disconnected.

19 Q. Which would result in waste; is that
20 correct?

21 A. Yes.

22 Q. And do you believe that the correlative
23 rights of the owners of interests are adequately
24 protected with these rules?

25 A. At these rates I do.

1 Q. Do you have anything further you wish
2 to add to your testimony?

3 A. No.

4 MR. STOVALL: I have nothing further of
5 this witness.

6 CHAIRMAN LeMAY: Do you wish to --

7 MR. STOVALL: Yes, I do. I wish to
8 move the admission of Exhibits 1, 2, and 3. I'm
9 sorry.

10 CHAIRMAN LeMAY: Without objection,
11 Exhibits 1, 2, and 3 will be admitted into the
12 record.

13 Some questions of the witness? Yes,
14 please. Did you want to ask a question?

15 MR. BUTLER: Yes.

16 MR. STOVALL: I will ask that you state
17 your name for the record and identify yourself so
18 we can know who you are when we read the
19 transcript.

20 MR. BUTLER: My name is Bob Butler. I
21 represent Warren Petroleum. We are a gas
22 processor.

23 EXAMINATION

24 BY MR. BUTLER:

25 Q. I have some questions about the

1 specific wording of the proposed changes.
2 Specifically, in 403(B)(1), there's a reference
3 to a measurement method agreed upon by the
4 operator and the pipeline. I assume that by a
5 "pipeline," you also mean gas gatherers?

6 A. Yes.

7 Q. I just want to clarify that, where we
8 would fit into this regulation. Also, I'd like
9 to clarify that 403(B)(1) would not apply if
10 there's no agreement between the operator and the
11 gas gatherer. It's not a mandatory provision; it
12 is based upon an agreement?

13 A. Right. It is an agreement.

14 MR. BUTLER: Okay. Thank you.

15 CHAIRMAN LeMAY: Thank you, Mr.

16 Butler.

17 Additional questions? Commissioner
18 Bailey.

19 EXAMINATION

20 BY COMMISSIONER BAILEY:

21 Q. What OCD employee would be responsible
22 for reviewing and approving these forms? Would
23 it be District Supervisor type approval, or would
24 it be lower echelon or --

25 A. No. I will put it this way, in Hobbs

1 it would be the District Supervisor. And I feel
2 like Frank is here, but the District Supervisor
3 usually signs all forms that come in or the ones
4 acting in his --

5 COMMISSIONER BAILEY: That's all.

6 CHAIRMAN LeMAY: Commissioner Weiss?

7 COMMISSIONER WEISS: Yes.

8 EXAMINATION

9 BY COMMISSIONER WEISS:

10 Q. On (B)(2) when you talk about a
11 common -- well, a lease and common working
12 interest, et cetera, does that mean it's the same
13 reservoir, or could there be two different
14 reservoirs involved?

15 A. If you have two different reservoirs, I
16 think you would probably have to come to the
17 Division to get approval. What this is primarily
18 set up to do is for one reservoir so you can
19 allocate it. Most of ours are done with pools.
20 Everything is considered the same but --

21 COMMISSIONER WEISS: It just occurred
22 to me if you had one well much deeper than the
23 others.

24 MR. STOVALL: Commissioner Weiss, there
25 is an approval process for downhole commingling

1 which would address the commingling of two
2 reservoirs in the bore as opposed to a dual
3 completion situation, if that clarifies that
4 question. That process wouldn't change.

5 THE WITNESS: If they're using a
6 central point delivery at this time, Bill,
7 between two zones, they've already had to come to
8 the Division to get approval for this.

9 COMMISSIONER WEISS: I don't know if
10 that needs to be mentioned there or not.

11 THE WITNESS: It probably should be
12 clarified. Should be considered anyhow.

13 COMMISSIONER WEISS: And then I don't
14 know if you're the person to ask, but what is the
15 range of error in these new devices you're
16 talking about.

17 MR. STOVALL: Commissioner Weiss, if I
18 may, Carroll Crawford from El Paso Natural Gas is
19 going to discuss the actual methods that's used.
20 And he may be a better witness to answer those
21 specific questions, if that's agreeable with you.

22 COMMISSIONER WEISS: Fine.

23 CHAIRMAN LeMAY: I've got two on C
24 on your Exhibit No. 1. I don't have anything
25 that -- it says that "individual wells approved

1 by," and then I don't have anything after that.

2 Is that a typo?

3 MR. STOVALL: That's probably an error
4 on the dummy who made the photocopies. I will
5 get a copy of that and submit it before the
6 conclusion of the hearing. Thank you.

7 COMMISSIONER WEISS: There's some
8 errors on here.

9 THE WITNESS: It said "by the District
10 Supervisor."

11 CHAIRMAN LeMAY: It follows "by the
12 District Supervisor"?

13 THE WITNESS: Right.

14 CHAIRMAN LeMAY: Okay. I think the
15 Exhibit 1 needs to be corrected.

16 MR. STOVALL: It does. There are
17 actually a couple of other corrections I need to
18 recommend too.

19 COMMISSIONER WEISS: If you're talking
20 about typos, there are several.

21 CHAIRMAN LeMAY: Just one other
22 question.

23 EXAMINATION

24 BY CHAIRMAN LeMAY:

25 Q. Mr. Sexton, do you have any knowledge

1 or any estimate on the amount of reserves which
2 would be represented by these 2,000 wells of less
3 than 15 Mcf per day?

4 A. No. And I think this is a hard
5 question to come up with because the line
6 pressures in the northwest vary so much. They're
7 up so much higher now that to go -- I'm sure the
8 figures are available, but you'd have to go to
9 the individual companies to get these.

10 Q. Okay. Thank you.

11 A. They're much higher in the northwest
12 than the reserves are in the southeast, if you're
13 talking about, you know, 5 or 15 Mcf.

14 Q. How many wells in the southeast; do you
15 have any idea, if there's 2,000 in the northwest,
16 any guess?

17 A. No, I really don't.

18 CHAIRMAN LeMAY: Any additional
19 questions of the witness?

20 MR. STOVALL: Just a couple of
21 comments. One of these may be typos. Addressing
22 the questions on transport, it was just suggested
23 to me, and I think it's probably a good
24 recommendation, under (B)(1), that the word
25 "pipeline" be changed to "transporter," and that

1 would be consistent with definitions in the rules
2 and regulations. Any comment on that, Mr.
3 Sexton?

4 THE WITNESS: No. I think that's
5 appropriate.

6 MR. STOVALL: And under rule, as it's
7 identified, 1110(A), if you read the
8 second-to-last line, it says, "producing capacity
9 of 100 Mcfd or has," and that should be "less."
10 That's a typo there. And any other grammatical
11 typos, of course, I recommend to the Commission
12 that before we adopt the final rule, that they be
13 clarified and corrected. But those are the only
14 substantive type changes that I noted in that.

15 CHAIRMAN LeMAY: Mr. Butler, would that
16 be acceptable to you, more in line with what you
17 were thinking about for --

18 MR. BUTLER: As long as it's understood
19 the transporter would include gas gatherers.

20 CHAIRMAN LeMAY: Okay. Anything else,
21 Mr. Stovall?

22 MR. STOVALL: That's all I have of this
23 witness.

24 CHAIRMAN LeMAY: Thank you. This
25 witness may be excused.

1 MR. STOVALL: I will find out if Mr.
2 Gil Lockwood or Mr. Joe Chesser is going to speak
3 on behalf of the BLM.

4 Mr. Chesser has been sworn, and I will
5 just briefly introduce him and then allow him to
6 go forward with his comments.

7 JOE CHESSER
8 the witness herein, after having been first duly
9 sworn, was examined and testified as follows:

10 EXAMINATION

11 BY MR. STOVALL:

12 Q. Would you, please, state your name and
13 place of residence.

14 A. My name is Joe Chesser. I live in
15 Santa Fe.

16 Q. And how are you employed, Mr. Chesser?

17 A. I work for the Bureau of Land
18 Management. I'm the Branch Chief of Fluid
19 Minerals.

20 Q. Would you briefly describe your
21 responsibilities and experience as they relate to
22 this hearing.

23 A. Well, I have a couple of people in
24 my branch that have participated in the
25 Commission -- this low volume gas well committee

1 meeting since it was started. And, of course,
2 they have kept me abreast of what was going on.
3 We participated in that way.

4 Q. You're familiar then with the issues
5 and concerns of the operators and the pipelines?

6 A. Yes, sir.

7 Q. And you're familiar with the concerns
8 of BLM as the managing agency of federal
9 resources, including Indian resources; is that
10 correct?

11 A. Correct.

12 Q. At this time then, Mr. Chesser, I'd ask
13 you to make whatever statement or comments the
14 BLM would wish to make with respect to these
15 proposals.

16 A. Thank you for allowing us the
17 opportunity to make this statement, Mr. Chairman
18 and the Commissioners. We have participated for
19 the last two years, I believe it's been the last
20 two years, on the low volume gas well committee
21 and believe it is to our mutual benefit to
22 explore new and innovative methods that would
23 increase maximum recovery of the natural
24 resource.

25 Our concerns, however, are to ensure

1 that producer and the mineral owners have been
2 fully involved in the issues and suggested
3 resolutions. As mineral owners and agents for
4 the Indians, we have special concerns that wells
5 may have been prematurely plugged because they
6 are low producers or the pipeline pressures are
7 too great to allow some wells to produce into the
8 higher pressure.

9 In the San Juan Basin the BLM has over
10 1800 low volume wells, that's BLM and Indian
11 wells. They account for about 3.2 billion cubic
12 feet of production per day. It would be a
13 significant negative impact to the region and to
14 the producers if these wells were plugged.
15 Therefore, reducing the costs of measuring low
16 volume wells is essential.

17 We cannot give approval to alternative
18 measurement without active participation by the
19 producers. In fact, they need to come to us with
20 their proposals. This is already allowed for
21 under our rules and regulations.

22 We are issuing an NTL, a Notice to
23 Lessee, for the purpose of reducing meter
24 calibration requirements of low volume wells and
25 outlying or to provide for the operators to

1 remind them to come in to us for suggestions of
2 alternative measurement of marginal wells, 15 Mcf
3 a day or less.

4 The options that we'll consider include
5 central point delivery meters, allocation of low
6 volume wells based on annual well testing, single
7 gas meter lease measurement, differential
8 pressure switches, commingling, and other
9 alternative methods of measurement.

10 Q. Mr. Chesser, you referred to NTL. Is
11 this NTL 92-5 for New Mexico, which has been
12 distributed to the Commissioners?

13 A. Actually, NTL -- yeah, it is, NTL 92-5.
14 It's entitled, "Standard for Meter Measurement,
15 Low Volume Gas Wells."

16 Q. This has not be marked as an exhibit,
17 numbered, but is this a draft? It's marked as a
18 draft. Has this been finally approved or is this
19 still in the draft --

20 A. It's in the draft stage, which will
21 take us about no more than a month to release
22 this to the public for proposal.

23 Q. And in your opinion are the rules
24 proposed by the Oil Conservation Division
25 consistent with the proposals of this NTL such

1 that an operator can operate under both rules
2 without bumping into the inherent --

3 A. They appear to be.

4 Q. Okay. And would you recommend adoption
5 of these rules by the Oil Conservation Division?

6 A. Yes.

7 Q. Do you have anything further you wish
8 to say?

9 A. No, sir.

10 MR. STOVALL: Oh, I hate to pass up the
11 opportunity to put a fed on the spot, but I
12 won't. I have nothing further.

13 THE WITNESS: Anybody else?

14 CHAIRMAN LeMAY: Do you want to take
15 some questions?

16 THE WITNESS: Surely.

17 CHAIRMAN LeMAY: Questions of the
18 witness?

19 MR. McCORD: Mr. Chairman, I'm Kevin
20 McCord from KM Production Company in Farmington.

21 EXAMINATION

22 BY MR. McCORD:

23 Q. Did I hear you correctly that you said
24 that your BLM offices currently have the ability
25 to approve in special instances different methods

1 of measurement? Are they currently on the book
2 without the passage of this new NTL?

3 A. That's correct, they are. Our order
4 provides for those variances.

5 Q. Okay. So I'm correct in assuming that
6 if the OCD promptly approves these new rule
7 changes, we as producers will not have to wait
8 for the BLM to act; we can proceed before the NTL
9 goes through its lengthy process?

10 A. We want you to immediately go to those
11 people.

12 MR. McCORD: Very good. Thank you.

13 CHAIRMAN LeMAY: Thank you, Mr.
14 McCord.

15 Additional questions of the witness?

16 MR. CRAWFORD: Just one question, Mr.
17 Chesser.

18 THE WITNESS: Yes.

19 MR. CRAWFORD: You mentioned 3.2
20 billion cubic feet of production per day. Could
21 that possibly be per year?

22 THE WITNESS: It could be.

23 MR. CRAWFORD: That's about as much gas
24 as we've got going out of our pipeline.

25 UNIDENTIFIED SPEAKER: We just wanted

1 to see if you're paying attention.

2 CHAIRMAN LeMAY: Additional questions?
3 These sound like high volume wells, don't they?

4 Thank you, Mr. Chesser. You may be
5 excused.

6 MR. STOVALL: I have nothing further at
7 this time. I believe it would be appropriate at
8 this time for the industry witnesses, and as I
9 say, Mr. Crawford is the expert in this field,
10 can explain the technical methods, but which
11 order they go in is entirely up to --

12 CHAIRMAN LeMAY: Before I leave the BLM
13 testimony, I have a draft here. Is this
14 something you'd like to introduce into the
15 record?

16 MR. STOVALL: That would be the NTL,
17 which I referred to. We can mark it, if you'd
18 like to, as an exhibit, but I think it's
19 sufficiently identified as name and title, which
20 he has identified.

21 CHAIRMAN LeMAY: So this will be part
22 of the record --

23 MR. STOVALL: Yes.

24 CHAIRMAN LeMAY: -- for those who want
25 to review the record.

1 Thank you, Mr. Stovall.

2 Mr. Carr.

3 MR. CARR: I think El Paso will go
4 next, and then we'll follow up.

5 CHAIRMAN LeMAY: That's fine. Mr.
6 Pearce.

7 MR. PEARCE: Thank you, Mr. Chairman.
8 As Mr. Stovall mentioned, a committee was formed
9 some time ago to study the problem of measuring
10 production from low volume wells. My witness at
11 this time, Mr. Carroll Crawford, was one of the
12 prime players in that committee action. I want
13 to present him this morning.

14 We have a substantial exhibit, which we
15 have marked as El Paso Exhibit No. 1. I think we
16 don't want to review all the information set
17 forth in that exhibit.

18 CHAIRMAN LeMAY: Thank you.

19 MR. PEARCE: I was sure you would be
20 pleased. But for the record, I would like Mr.
21 Crawford to briefly review some materials. What
22 we've done is transform some of the information
23 from hard copy to slides. And we want to walk
24 through those very quickly to make sure that the
25 record reflects what the committee was about and

1 why we bothered to do it and why we believe that
2 the suggested rule change is appropriate.

3 As I said, we hope to do that as
4 quickly as possible, and we certainly don't think
5 that the slide presentation or the information
6 that Mr. Crawford will present is nearly as
7 complete as the information set forth in the
8 exhibit that I'll move the admission of later.

9 With that, if I may start with Mr.
10 Crawford.

11 CARROLL CRAWFORD
12 the witness herein, after having been previously
13 duly sworn, was examined and testified as
14 follows:

15 EXAMINATION

16 BY MR. PEARCE:

17 Q. Mr. Crawford, have you previously
18 appeared before the Oil Conservation Commission?

19 A. Yes, I have.

20 Q. At that time were you qualified as an
21 expert in the field of petroleum engineering?

22 A. No, I was not.

23 Q. All right, sir. And are you a
24 petroleum engineer?

25 A. No, I'm not.

1 Q. Are you a petroleum geologist?

2 A. No, I'm not.

3 Q. All right, sir. Let's go through your
4 work for the committee. And I gave a summary,
5 which indicated that you were the prime worker on
6 the committee, and you've crunched a lot of
7 numbers, which are reflected in your Exhibit No.
8 1.

9 A. I had a lot of help from the committee
10 members and other people in the industry and OCD,
11 but I did focus on this subject.

12 Q. Is it fair for us to say at this time
13 that you are here as a representative of that
14 committee and you are the person at the hearing
15 today who is authorized to present the
16 committee's position?

17 A. Yes, I am.

18 Q. All right, sir. It may be, Mr.
19 Crawford, that the best way to proceed is for us
20 to move into your slide presentation, and I will
21 ask you to go through that slide presentation,
22 highlighting the information on those slides that
23 you think the Commission would be aided by
24 focusing on.

25 And, frankly, I plan to stand back out

1 of your way as much as I can. So I'd ask you to
2 just take off, and I'll interrupt you
3 periodically if I need to, but if you'll go
4 through your slide presentation for us.

5 A. Okay. Mr. Chairman and Commissioners,
6 we're pleased to be able to present this
7 information to you today. We do have a few extra
8 handouts left if anyone came in late that would
9 like to have them in the audience. We'd like for
10 them to have a copy, if they'd want to refer to
11 any tabs that we should need to discuss at a
12 later point in time.

13 At this time we put this slide
14 presentation together to better illustrate in a
15 larger group what's in the handout, although
16 there are some slides are not accompanying some
17 of the important information in the way of
18 agreements and things that are identified in the
19 index to the exhibit.

20 May I have the projector on at this
21 time?

22 MR. STOVALL: That's a lawyer you're
23 asking. Be careful.

24 A. First, again, we're pleased to be here
25 with you today. This is a little humor, but this

1 is called Lucky Larry. And this is a good
2 example of how not to have to settle our
3 settlement issues between the producers, royalty
4 interest owners, and pipelines and gathering
5 systems. But he's well known if you don't do it
6 right, so we'd like to avoid that in the future.
7 There's a well down in southeast New Mexico named
8 Larry lucky. There's a story that goes with
9 this.

10 During the committee meetings in the
11 last two years, there have been several issues
12 raised, and this is just a compilation of those
13 issues raised, both from the government's
14 standpoint, royalty standpoint, pipeline, and
15 well operator issues, and they're in your
16 handout. I'll just go over them briefly.

17 But it has to do with initiating
18 pipeline, operator, producer, and royalty owner
19 review of the economic operation and conservation
20 of resource issues that are associated with low
21 flow wells.

22 Pipelines must maintain cost effective
23 operations to remain competitive. Pipelines must
24 continue to provide reliable and flexible service
25 to its customers. And they must substantially

1 reduce costly operation to increase efficiency to
2 be competitive.

3 They must satisfy -- any method we use
4 must satisfy the volume of accounting needs of
5 the needs of producers, operators, shippers,
6 pipelines, and government agencies. We need to
7 define alternative means to measure account low
8 producing well production.

9 We want to avoid plugging and
10 abandoning low flow wells by keeping those wells
11 on if we can find agreeable methods.

12 There is a need to maintain the
13 potential for the producer and royalty owner
14 revenue stream to continue. Need to avoid lease
15 cancellations from nonproduction. The issues
16 must support producer and royalty owner
17 relationships.

18 Must develop and support alternative
19 methods to divide revenues using well tests or
20 other suitable methods that we can find. The
21 small royalty owner representation must be
22 accommodated through fair treatment of the
23 producer by the pipelines.

24 And last, but certainly not least,
25 avoid leaving economical producible gas in the

1 ground that will never be recovered. Of course,
2 this depends on these low flow wells, plus
3 finding agreeable methods to do that.

4 I guess I didn't move to the second
5 slide, did I? I apologize. This is El Paso --
6 from an El Paso standpoint, is one pipeline and
7 there's other pipelines that may or may not be
8 represented here today that have somewhat the
9 same problem. And this depicts our total company
10 operation, which is larger than just the state of
11 New Mexico.

12 But we have roughly 2200 wells out of
13 over 11,000 wells tied to the system that we feel
14 fall into the 1-to-15-a-day range. That happens
15 to be 20 percent of our wells. And that same 20
16 percent of the wells produced less than 4/10 of 1
17 percent of the total volume of those wells with
18 the production potential of 2400 Mcf a day.

19 That particular volume, just
20 incidentally, is just about the amount of gas per
21 day on an average that the City of Santa Fe uses
22 in a year -- a day or year's time so that we're
23 talking about, if you would, the City of Santa
24 Fe, what gas it takes to run them on a year-round
25 basis on these low flow wells that we're talking

1 about. Just a rough approximation of the size of
2 the issue.

3 El Paso has used other methods
4 previously, and some of the other companies have
5 also used different methods to reduce their costs
6 in this area. We've used extended chart rotation
7 periods using reverse scale meters to reduce the
8 number of chart changes required. We've extended
9 meter station equipment test frequencies, and
10 we're prepared to follow the new rules under 92-5
11 that would permit us to extend those frequencies
12 greater.

13 We've temporarily disconnected meters
14 and operations for nonproducing wells that are
15 shut in for various reasons by the operator by no
16 market. And in 1990, for example, 620 of those
17 wells were temporarily disconnected, and it's
18 what we called "blind plate" situation, where we
19 no longer change the charts, test the meters,
20 pull gas samples until they come back home.

21 Out of that 620 wells, they were
22 confirmed nonproducing wells, and we effected
23 permanent disconnects to reduce those operations
24 to zero. And this is just the graphics of what
25 happened in our company for 1990.

1 Out of the 620 recognized for temporary
2 disconnect and blind plate, 307 of them were
3 valid candidates for permanent disconnect, 313
4 were noncandidates for a variety of reasons,
5 market being one of them.

6 When the committee started, these were
7 some of the issues that the New Mexico OCD
8 recommended for cost reduction. And you're well
9 familiar with those, but they included exemption
10 on quarter meter proven to a longer period of
11 time to semiannually for those less than 100 Mcf
12 a day, temperature compensation exemption for gas
13 plant production, revised downhole and surface
14 commingling procedures, central point
15 deliveries.

16 And at that time New Mexico requested
17 proposals for consideration on how to handle, and
18 that's where we came into the picture as to
19 develop some methods that we would propose to the
20 Commission.

21 Some of the options that became
22 apparent during the meetings of the committee and
23 various producer meetings and pipeline meetings,
24 and one possible one that requires approval by
25 this Commission is the establishment of a grade

1 volume alternative procedure to wellhead
2 measurement to reduce costly measurement -- and
3 I'll break that into two parts later -- or
4 install a central point delivery, and that also
5 requires Commission approval.

6 Other things that were considered were
7 a producer operating a gathering system lateral,
8 measuring the gas and delivering it to our
9 company at a central point delivery.

10 Another issue that was raised was that
11 the pipeline may possibly continue the
12 measurement service at a fee at producers'
13 expense. And at that time a reasonable estimate
14 was \$75 a month as to what it's going to cost to
15 do that. That didn't receive a lot of support,
16 but it was one of the options mentioned.

17 Another option was that the government
18 agencies might provide producer incentive by
19 lowering severance taxes on low volume wells.
20 Given the need for everybody's taxes, that hasn't
21 gone very far either.

22 And lastly, and hopefully to be
23 avoided, is in our tariff we have a
24 transportation tariff provision to reject
25 receipts of less than 15 dekatherm a day from

1 shippers.

2 And what we're here today is to try to
3 find a way that everybody can be in a win-win
4 situation instead of a lose-lose. And if we can
5 find the alternative methods and get approval, we
6 feel that everybody is going to win: the
7 pipelines, the operators, the royalty owners, and
8 the state agencies that have an interest in
9 royalty.

10 Just briefly, to establish agreed
11 volume procedures and the specific procedures are
12 in the exhibit, and they're under tabs 4 and 5
13 that we'll discuss today. They are the detailed
14 procedures, from start to finish, how these will
15 be handled.

16 But, briefly, we will propose to
17 utilize the existing 1990 annual produced volume
18 or the latest test period to derive hourly flow
19 rates to determine basis for the first year
20 settlement. And we're doing that because this is
21 the actual measured volume that has an actual
22 flow period, flow hours attached to it, and you
23 can get the same number each time you use that
24 basis.

25 We tried to use other things, such as

1 DPA's, and those things varied somewhat. And
2 this is one method we felt like you could always
3 come back to the very same number that you
4 started with.

5 And to go further with that, we would
6 remove the orifice recorder and the temperature
7 recorder from the existing meter station, and we
8 would now say we've got unmetered gas to the
9 point where from 1 to 5 Mcf a day, we could use
10 an agreed volume where the pipeline and the
11 operator would agree what that well would make
12 per day, and that would be his settlement until
13 successive tests were run.

14 And part two is install a differential
15 switch with an hour meter, which we have an
16 example here on the table for you to investigate
17 and those in the audience to look at and see how
18 it works. And we would calculate a time volume,
19 and based on the hourly flow rate, times the
20 hours of recorded time, would equal that volume
21 that that well would be settled on for the period
22 in question.

23 The primary measurement element would
24 consist of the meter run, orifice fitting, and
25 orifice plate -- will be left on location to

1 receive the production and for annual or periodic
2 tests as necessary to -- basically, annual tests,
3 but if there's a need for an emergency test where
4 the operator wants to run a test of his own, it
5 would be there for that use and still holds the
6 pipeline together.

7 Annually, we would perform a production
8 measurement test to update the hourly flow rate
9 that's used in the calculations. We would use a
10 16-day chart period, using a portable dry flow
11 test meter assembly, or other suitable piece of
12 equipment.

13 That meter will be put in place. The
14 meter would be installed and calibrated. The
15 test would commence. The orifice plate would be
16 inspected to make sure it was in suitable
17 condition.

18 A gas quality sample would be procured
19 to determine the current quality of the gas being
20 received. And the differential switch, an hour
21 meter if it had one on it, would verify the
22 operation again at that time, as well as
23 intermittently throughout the year.

24 This is just the basic hourly flow
25 calculation methods. And the first step would be

1 to --

2 Q. Mr. Crawford --

3 A. Yes, sir. A question?

4 Q. I think most of us in this audience
5 wouldn't understand that if you explained it.

6 A. Okay. If there's no need to go in
7 depth with it, I'll just say what's in it.

8 Q. Please.

9 A. And we'll go on.

10 Q. Thank you, sir.

11 A. First, we'll calculate the average
12 hourly flow rate. We determine the average daily
13 flow rate by multiplying by 24. There's the
14 formula for the time calculated volume to convert
15 it to a final dekatherm for settlement.

16 And then the agreed volume formula is
17 basically the same except you'd multiply the
18 hourly by the daily, compensate it for any
19 stipulated flow time, in other words, if the well
20 was on a cycle flow and was on half the time and
21 off half the time, that hourly average would be
22 adjusted by that.

23 Or it could also be adjusted should a
24 well be shut in for a whole well work-over to
25 bring the production back to a greater level or,

1 hopefully, not shut in by market, but if it was
2 shut in by market, there would be an adjustment
3 to that agreed volume. And there's an example
4 there of how that calculation would be done, and
5 that's also in your handout.

6 After doing all that work, this is the
7 New Mexico OCD Low Flow Measure Committee taking
8 a rest after figuring out what we was going to
9 present to you today. Our volume calculation
10 division and distribution department at El Paso
11 compiled the elements of our test data and
12 prepared those for us, and we're looking at the
13 June and July time period when we initially
14 started the tests on this location.

15 And just to go briefly on it, there
16 were ten wells on this test. The eighth well in
17 that test turned out to a tank battery, or a CPD,
18 if you would, and it was dropped from the test
19 subsequently. This is just the basic data of
20 it: the chart, the meter number, the meter name,
21 the chart date, the orifice plate size, and what
22 the hourly flow rate based on 1990 volumes was
23 for that well.

24 You take that a little farther, the
25 actual heart of the matter, and this is in your

1 book, but I'll just go through it briefly. For
2 each of those previous wells I showed you, here
3 we have the Welker meter, or the differential
4 switch, if you would, and that happens to be a
5 name -- we expect other switches to become
6 available -- but we show the flow hours for each
7 particular well and chart period and the Mcf
8 that's calculated by either using the agreed
9 method on a time-calc volume or the orifice meter
10 flow hours and the Mcf calculated.

11 For example, on the first one you can
12 see the flow hours were very close. It was a
13 steady differential low-to-zero flowing well.
14 The Mcf happened to be calculated higher on the
15 differential switch meter at this particular
16 time, and we think due to the increase in
17 pressures in 1991 on the system caused part of
18 that difference.

19 And the next category, you see the same
20 thing, a comparison of the flow hours and the Mcf
21 that's calculated under a regular chart
22 integrated method, or the differential switch
23 method. Some of these wells where the steady
24 flow is about the same, we come up with pretty
25 much the same results.

1 But where we get into a situation, take
2 the last two on the page for instance, we had
3 some steady flow but pulsation. And in this
4 particular one, the Red Mac, if you'd draw your
5 attention to that, time is almost the same both
6 from the integrated method or the time-calc
7 method. They're very close.

8 But in this particular one, the
9 integration was almost twice as high as the time
10 calculated. If there is a real weak point in
11 orifice recorder measurements as we know it
12 today, it's the integrator operators'
13 interpretation of what happened.

14 And based on this particular one, we
15 think possibly the integrator operator picked a
16 higher than normal point. And it can go both
17 ways; they can be high or they can be low, but I
18 bring that to your attention.

19 If you look at the very next one, the
20 integrator operator for that period of time had a
21 much higher, over 300 flow hours integrated. The
22 switch measured 228, but the calculations for the
23 two of them was almost identical, 100 versus
24 117.

25 That particular chart had differential

1 spikes and were very wide-band. And we have
2 copies of each one of the charts under the tabs
3 18 and 19, if you care to look at those further
4 to see just what those chart patterns actually
5 looked at. They're 18 and 19 under your tabs.

6 And this is the last of the set of ten
7 locations that we tested with four different
8 producers in the San Juan Basin. Again, we're
9 now looking at the time, the flow hours on the
10 first one. But look very close at the
11 calculations on this particular one are much
12 higher with the differential switch than were the
13 integrator operator's.

14 So each one of these, and the
15 Glenmorangie is a good one to look at, spiked
16 wells. And one of the things that those that are
17 familiar with orifice recorded measurement, if
18 you've got a spike on a differential chart, you
19 can have static and you can have differential
20 extensions, but if no time occurs, in other
21 words, the turntable doesn't turn, no time is
22 applied to that well. And so anything times zero
23 is still zero.

24 We feel that in this particular case --
25 the switch meter was recording all of that

1 time -- due to the spiked nature of that chart,
2 we feel that the integrator operator, she ran it
3 up there, but there wasn't very much time that
4 she could pick up on the chart. So she picked up
5 a lot less time, so, therefore, we had almost
6 three times the volume calculation, 90 versus 31,
7 on that particular well.

8 That's an example of what happens to
9 you in comparing the integration differences.
10 And these are all in your book under tabs 16 and
11 17, if you want to look at those further.

12 I'm going to get to a summary that
13 brings it into focus for you. These are those
14 same wells, taking all of that flow hours and all
15 of the volume for the month of June and July. We
16 take the first one, and we find that the flow
17 hours are relatively close.

18 As you go down, there are some
19 differences, but the total at the bottom of the
20 page, the differential switch meter, which we're
21 calling a Welker meter because that's the proper
22 name for this particular switch, 4861 hours. The
23 orifice integrated time, through our volume
24 calculation division, was 5131 hours, for a
25 difference of over slightly 5 percent, difference

1 in time. We feel that's an acceptable difference
2 in time.

3 But as I go to the next comparison,
4 which is the volume, and this is what puts money
5 in people's pocket or takes it out of it, taking
6 those same wells, the calculation for those two
7 months and some of them together, we show the
8 differences. And the difference at the bottom,
9 the Welker switch at 2196 Mcf, the orifice
10 calculation had 2122, or 74 difference, for a
11 difference of about 3 percent.

12 Based on these two differences, we feel
13 this method holds great promise for a very
14 economical method. And the differences that
15 we're going to observe are going to be slight,
16 and it's not going to hurt anybody.

17 Mr. McBryde, who's here with us today,
18 his department made the survey for us, and he
19 made this observation based on the comparison of
20 the two: that when we're looking at the flow
21 hours versus flow hours, between the differential
22 switch and the regular orifice recorder, for the
23 most part they were close.

24 The difference appears to be due to low
25 differential from the flow of the well or a wide

1 differential pattern due to pulsation effects
2 from the line or the wellbore and the stopcock
3 operations that are there, which makes it more
4 difficult for an integrator operator to determine
5 time.

6 Further, he concluded that the -- the
7 calculated versus the chart calculated Mcf
8 between the switch and the orifice recorder
9 method, in general it appeared that the Welker
10 differential switch calculated Mcf is very close,
11 the difference due to higher current line
12 pressures or the Welker switch setting is
13 slightly higher than zero and the possible
14 misinterpretation of differential integration due
15 to low flow. These were his conclusions based on
16 the two-month test that we ran.

17 Last but not least, this is the
18 language in El Paso's tariff, FERC approval, that
19 went into effect September 1 of this year. And
20 it basically says El Paso shall not be obligated
21 to accept, for the account of the shipper, from
22 any receipt point, a quantity of gas that is less
23 than 15 dekatherm per day, so as to avoid
24 measurement problems relative to small volumes
25 and disproportionate administrative burdens. A

1 copy of this is under tab 24 in your handout, if
2 you want to refer to it more.

3 We hope that we can find alternative
4 methods where this is not a necessary thing. If
5 we work together, we feel we can find a win-win
6 solution so we don't have to shut any wells. If
7 we cannot find something to agree on, this will
8 be the ultimate result for low flow wells.

9 And we hope that you agree that this
10 was a good start, and we would request your
11 support.

12 Q. Thank you, Mr. Crawford. Let's
13 summarize. After conducting this study with the
14 committee, is it your opinion that there are
15 alternative methods of measuring low gas flow
16 volumes which are adequate substitutes for
17 standard metering techniques that you would
18 suggest be authorized by the Division?

19 A. Yes, we do concur with that.

20 Q. And do you believe that it is possible
21 that if these alternate metering methods are
22 adopted, that the prevention of waste of New
23 Mexico natural resources caused by the premature
24 abandonment of natural gas wells may be realized?

25 A. Yes.

1 Q. And do you believe that if these
2 alternate measurement steps are adopted on the
3 agreement of the producer and the transporter/
4 gatherer, that those measures will adequately
5 protect the correlative rights, the ownership
6 interests of all parties in the well?

7 A. Yes, they will.

8 MR. PEARCE: At this time, Mr.
9 Chairman, I would move the admission of El Paso
10 Natural Gas Exhibit No. 1. In addition, I will
11 request the recognition of Mr. Crawford as an
12 expert in the field of practical petroleum
13 engineering.

14 CHAIRMAN LeMAY: His qualifications are
15 accepted. And without objection Exhibit 1 of El
16 Paso's will be admitted into the record.

17 MR. PEARCE: I have nothing further
18 from Mr. Crawford at this time. He's available
19 for questions from the audience.

20 CHAIRMAN LeMAY: Thank you, Mr.
21 Pearce. Questions for Mr. Crawford?

22 MR. STOVALL: One question, Mr.
23 Crawford. Are the rules as proposed by the
24 Division, do they accomplish the result which
25 will permit the type of thing which El Paso

1 thinks is appropriate in this situation as you've
2 testified to?

3 THE WITNESS: I believe that they are
4 adequate to support what we feel needs to be
5 done.

6 CHAIRMAN LeMAY: Commissioner Bailey.

7 EXAMINATION

8 BY COMMISSIONER BAILEY:

9 Q. I understand that most of the gas
10 contracts with operators now are based on heating
11 value of the gas and not on volume produced. I
12 understand that holds true for most of the
13 purchasers?

14 A. That's correct. All of the settlements
15 are done in a dekatherm basis. Probably the
16 difference when you see dekatherm and Mcf is that
17 in the method and in normal dispatching they
18 still use Mcf.

19 And in the formula you'll see that, if
20 you want to turn to tab 8, you'll see where we do
21 all this calculation on Mcf. We count the
22 hours. It goes into the company's volume
23 calculation department. They calculate the Mcf.
24 Then you'll see where that is converted to
25 dekatherm based on the gas sample analysis of how

1 many Btu's that gas holds.

2 And so it does not change contracts.
3 The Mcf will still be converted to dekatherm for
4 settlement.

5 Q. Are you seeing a seasonal variation in
6 heating value per Mcf for any particular wells?

7 A. There is a possibility for seasonal
8 variation based on temperature, and we certainly
9 have it on low flow wells.

10 Q. Does that make the timing of the
11 testing for annual settlement very important to
12 the producer then?

13 A. The timing can affect the Btu. If you
14 take a test in the middle of the warmer weather,
15 the Btu's is going to be higher than in the cold
16 weather, the gasoline content fallout, the Btu's
17 are lower.

18 We expect most of our tests to occur
19 from a March to October time frame, which would
20 be to the advantage of the producer and the
21 royalty owner.

22 COMMISSIONER BAILEY: Okay. I guess
23 that takes care of it then.

24 CHAIRMAN LeMAY: Commissioner Weiss.

25 EXAMINATION

1 BY COMMISSIONER WEISS:

2 Q. It's been my experience to never, not
3 ever, use two meters. And I think you confirmed
4 that, but if you had to use one on any gas well,
5 which one would you use? Which type, the orifice
6 or the Welker?

7 A. For low flow or any well?

8 Q. For any well.

9 A. Well, for any well you would want to
10 use the orifice recorder, but the orifice
11 recorder expense of operation does not lend
12 itself to the low flow. It's just too expensive
13 a method to -- in El Paso's situation we actually
14 lose money on the low flow where we transport
15 that gas. It's costing us more to operate the
16 meter station than the transportation of the gas
17 from those wells, the revenue from that
18 transportation.

19 Q. Does a Welker meter work on a high
20 volume well or a conventional well?

21 A. It would but you'd get to the point
22 where the risk, either to the producer, royalty
23 owner, or the pipeline, becomes greater with the
24 amount of the volume. The differences you saw
25 here could be the same thing but at a higher

1 level. And with what we see is the risk of being
2 very far off at a low flow is minimal, both to
3 the pipeline and the producer.

4 COMMISSIONER WEISS: Thank you.

5 CHAIRMAN LeMAY: Just one question, Mr.
6 Crawford. The 125 Mcf, was it chosen as a cutoff
7 for low volume because of your general contract
8 terms, I guess, that you can't disconnect at 15.

9 THE WITNESS: No, sir. Mr. Chairman,
10 Mr. Harry Bean, who was our measurement engineer
11 several years ago, was asked to do a study on
12 where the uncertainty of measurement became of
13 such proportion that it became burdensome, the
14 uncertainty was great enough that the errors
15 would go both ways, and the 15 Mcf came from that
16 study done by Mr. Bean in 1987. And then that
17 number was put into the tariff based on his
18 study.

19 And he was a contractor for us at the
20 time. He retired in 1983, and he was very
21 well-known in the industry. His dad wrote
22 AGA-3.

23 COMMISSIONER BAILEY: When I go through
24 this, I need to know about the universe of these
25 wells tested. Are they all from one formation?

1 Are they all particularly one chemical
2 composition, or is there representation of most
3 of the differences?

4 THE WITNESS: There's a representation
5 across the basin, San Juan Basin, starting in
6 close to Farmington out to the Jicarillas.

7 COMMISSIONER BAILEY: Are they all
8 particularly from Basin Dakota or --

9 THE WITNESS: No. They are a sampling
10 of the ten wells that were low flows across
11 that. And there is a listing of where those
12 wells under -- I'm looking for the tab. Excuse
13 me. Under tab 13 is a listing of where those
14 wells -- which wells were selected, and the
15 information is shown there.

16 Everything that's on that particular
17 location as far as orifice recording, it shows
18 the operator, the well name, the location. The
19 area that it happens to be in is a company area,
20 but it shows -- that last two digits of that
21 shows what area and pipeline location it's in.
22 Shows the meter information, shows the date of
23 the switch installation.

24 COMMISSIONER BAILEY: That's all.

25 CHAIRMAN LeMAY: Additional questions

1 of the witness? If not, he may be excused.

2 Thank you, Mr. Crawford.

3 THE WITNESS: Thank you much for the
4 opportunity to appear.

5 CHAIRMAN LeMAY: Mr. Pearce, do you
6 have anything further?

7 MR. PEARCE: I do not, Mr. Chairman.
8 Thank you.

9 CHAIRMAN LeMAY: All right. Mr. Carr.

10 MR. CARR: May it please the
11 Commission, at this time I would call Mr. Bill
12 Hawkins.

13 JAMES WILLIAM HAWKINS
14 the witness herein, after having been previously
15 duly sworn, was examined and testified as
16 follows:

17 EXAMINATION

18 BY MR. CARR:

19 Q. Will you state your full name for the
20 record, please.

21 A. James William Hawkins.

22 Q. Mr. Hawkins, where do you reside?

23 A. Denver, Colorado.

24 Q. By whom are you employed and in what
25 capacity?

1 A. I am employed by Amoco Production
2 Company as a Senior Petroleum Engineering
3 Associate responsible for regulatory affairs in
4 Colorado and New Mexico.

5 Q. Have you previously testified before
6 the New Mexico Oil Conservation Commission?

7 A. Yes, I have.

8 Q. At that time were your credentials as a
9 petroleum engineer accepted and made a matter of
10 record?

11 A. Yes, they were.

12 Q. Are you familiar with the changes that
13 have been proposed in this proceeding to Oil
14 Conservation Division Rule 403?

15 A. Yes, I am.

16 Q. Have you caused these changes to be
17 reviewed by Amoco personnel located both in
18 Denver and in the Houston regions?

19 A. Yes, I have.

20 Q. And so representatives of Amoco who are
21 responsible for gas production, both in the
22 northwest and southeastern portion of the state,
23 have been involved in this review?

24 A. Yes.

25 Q. Are you prepared to comment on these

1 rules for your company and express their
2 concerns?

3 A. Yes, I am.

4 MR. CARR: Are the witness'
5 qualifications acceptable?

6 CHAIRMAN LeMAY: They are acceptable.

7 Q. Mr. Hawkins, how many wells does Amoco
8 operate in New Mexico which might be affected by
9 this particular proposal?

10 A. We estimate that approximately 700
11 wells that Amoco operates would be affected by
12 this proposal.

13 Q. And of that 700 how many of those are
14 currently producing?

15 A. About 250 are producing. The remainder
16 are incapable of producing against current line
17 pressure.

18 Q. Have Amoco's concerns previously been
19 submitted to the Commission?

20 A. Yes, they have. In a letter dated
21 October 3, I provided the Commission our concerns
22 and some proposed language that we'd like to see
23 inserted into the revised rule.

24 Q. Has a copy of that letter been marked
25 as Amoco Production Company Exhibit No. 1 in this

1 case?

2 A. Yes, it has.

3 Q. Would you refer to that exhibit and
4 then just briefly review for the Commission
5 Amoco's concerns and then also move right on in
6 and explain the amendment which are you
7 proposing.

8 A. In general, Amoco is in support of the
9 proposed revision to measurement for low volume
10 gas wells. We do have a couple of concerns we'd
11 like to express. First, we have a concern that
12 the operator have primary control over which
13 wells would be affected by this measurement
14 procedure.

15 The reason for that is that although
16 there are a number of wells which may fall under
17 15 Mcfd volumes, historical records may show that
18 that well has a significantly higher capacity at
19 varying line pressures. And it may be more
20 important to go ahead and continue actual
21 measurement on some of those wells to get the
22 most accurate measurement possible as opposed to
23 going to the low volume method.

24 Q. Now, language in the current rule would
25 require operator concurrence before an

1 alternative method was actually employed; isn't
2 that right?

3 A. That's correct. And we want to make
4 sure that that language is retained in the
5 proposed rule.

6 Q. Now, Amoco is also recommending a
7 proposed amendment to the rule. Would you
8 identify and review that for the Commission.

9 A. Yes. The amendment we'd like to see
10 inserted into the rule is as follows: The
11 operator may apply for a new production test on
12 said well should operating conditions change,
13 such as lowering of the line pressure, et
14 cetera.

15 Our concern here is that many of the
16 wells that we have that are not capable of
17 producing into the current line pressure have
18 historically produced at rates of 500 Mcfd. If
19 there are some changes in line pressure that
20 could result in significant changes in
21 production, we think that those should be allowed
22 to be retested and that language, explicit
23 language, in the rules should allow for a retest
24 of wells should operating conditions change.

25 I recognize that the current language

1 allows for testing on an annual basis, and that
2 may not be appropriate for every well in New
3 Mexico that would fall under this category.

4 Q. Now, Mr. Hawkins, if the proposed
5 amendments to Rule 403 are adopted with the
6 amendment proposed by Amoco, do you have an
7 opinion as to whether or not the correlative
8 rights of producers in New Mexico will be
9 protected?

10 A. Yes. I think with this additional
11 language it will help protect the correlative
12 rights of all parties involved. The language we
13 have offered is primarily to show our concern. I
14 think the NMOCD could certainly modify that
15 language somewhat, but we would like to see
16 provision for a retest.

17 Q. Was Exhibit No. 1 prepared by you?

18 A. Yes, it was.

19 MR. CARR: At this time we would move
20 the admission of Amoco Production Company Exhibit
21 No. 1.

22 CHAIRMAN LeMAY: Without objection
23 Exhibit No. 1 will be admitted into the record.

24 MR. CARR: That concludes my direct
25 examination of Mr. Hawkins.

1 CHAIRMAN LeMAY: Thank you, Mr. Carr.
2 Questions of Mr. Hawkins? Mr. Pearce.
3 MR. PEARCE: Thank you, Mr. Chairman.

4 EXAMINATION

5 BY MR. PEARCE:

6 Q. Mr. Hawkins, if I may briefly, I think,
7 under Roberts Rules of Order, what I want to know
8 is if you'll take an amendment to your
9 amendment. Your suggested change to Rule 403 has
10 raised a concern that retesting could be required
11 based on what have in the past been normal
12 pipeline pressure fluctuations. Obviously, those
13 pipeline pressures are not exactly the same all
14 the time.

15 We understand what you're suggesting is
16 that you are talking about some kind of
17 substantial change, and we understand that
18 concern. I'm wondering if you would object to
19 the parenthetical in your suggested change which
20 currently says, "such as lowering of the line
21 pressure, et cetera," be amended to provide,
22 "such as a substantial change in line pressure,
23 et cetera."

24 We hope that will take care of your
25 concern and the other concern about excessive

1 retesting of wells.

2 A. I don't have a problem with that. I
3 think the concern we have is that operating
4 conditions may change, and we're not sure how
5 much of a change might result in a substantial
6 change in producing volume.

7 So where we see indications that
8 substantial change in producing volume is
9 occurring due to operational conditions changing,
10 then I think those wells should be allowed to
11 have a retest.

12 I'm not exactly sure what appropriate
13 language should be put in the rule, but I think
14 the provision for that retest should be allowed.

15 MR. PEARCE: With the understanding,
16 Mr. Chairman, I think we've just sort of
17 summarized between us, we, El Paso, does not have
18 an objection to the proposed amendment.

19 CHAIRMAN LeMAY: Thank you, Mr.
20 Pearce.

21 MR. PEARCE: Thank you, Mr. Hawkins.

22 CHAIRMAN LeMAY: Additional questions
23 of the witness?

24 MR. STOVALL: I have one, Mr. Chairman,
25 just for clarification on that.

EXAMINATION

BY MR. STOVALL:

Q. As the rule is written, it basically requires an application. And from an operator's perspective, if you saw a situation where you felt that, for example, line pressures went down considerably over a period, would it be your understanding that you could withdraw your request for your alternative measurement, in effect, go back to a --

A. Well, I'm not sure if I have that understanding or not. My understanding is that there would be an agreement between the pipeline company and the operator to use an alternate method.

I think we would also have to have that agreement between those parties when you're going to revert back to an actual measurement. And I'm not sure that that agreement may always be easily obtained.

But I do think there should be some explicit language that allows for some changing conditions and changes in what the expected producing rate of that well might have been and provide at least a forum for operators and

1 pipeline companies to come before the NMOCD and
2 if necessary request retest.

3 And I think this type of amendment in
4 this rule would provide for that.

5 Q. Are you suggesting then that, just to
6 use an example, that with your amendment what
7 would happen is, say, if Amoco felt that line
8 pressures had gone down and remained down
9 somewhat, which would mean more production, that
10 you would go to El Paso and say, "Let's retest."

11 And if El Paso -- or the transporter, I
12 should say -- didn't agree, that you would then
13 come to the OCD and say, "Require a retest"; is
14 that the concept of your proposal?

15 A. I think that would be part of it, yes.
16 I think originally, or initially, if we feel
17 there like there are some problems in calculating
18 the well's production, we would go to the
19 transporter, pipeline company, and ask for a
20 retest. And under the proposed language, if both
21 those parties did agree, then a retest could be
22 submitted to the NMOCD for approval.

23 If there was not agreement between the
24 pipeline company and the operator, I think this
25 language would also allow at least a forum for

1 those parties to come before the NMOCD and
2 request a new test under order, if necessary.

3 MR. STOVALL: I have nothing further.

4 MR. SEXTON: Do you know your well
5 characteristics well enough to write this into
6 the agreement that you submit to us, say, if line
7 pressures varies so much, a new test can be
8 called and get approval from the pipeline before
9 the approval is obtained from either the BLM or
10 the --

11 THE WITNESS: I think for the majority
12 of the wells that we have, they are -- we are
13 currently automated, and we would have very good
14 records over what the well's producing
15 characteristics are and what the line pressures
16 are likely to be. I think there would be
17 sufficient information to come before the gas
18 gathering company or transporter and present that
19 information and request a retest.

20 The majority of the time, I'm hopeful
21 that both parties can agree on the need for a
22 retest and resubmittal to the NMOCD. The concern
23 I have is that if that agreement couldn't be
24 reached, that there might still be at least an
25 avenue for reconciliation, I suppose, before the

1 NMOCD.

2 But I am hopeful that for all wells
3 that we agree between producers and transporters
4 on the estimated or calculated production method,
5 that if there are indications that that is
6 changing and a new test is needed, then agreement
7 can be reached and we can just submit it to the
8 NMOCD.

9 MR. SEXTON: Should this part -- one of
10 the things we were trying to get away from is
11 thousand dollars hearing costs for both the
12 producer and the fee to come to a hearing. Can
13 you submit this data that you'd like to see a new
14 test on on this form to where it can be done, or
15 the majority of them can be agreed on at the
16 district level instead of coming to a hearing?

17 THE WITNESS: Oh, I would hope so,
18 yes. I put that into our testimony that the
19 NMOCD might be required simply as an indication
20 that there may not always be agreement between a
21 producer and a transporter. I think the majority
22 of the time those parties can agree and,
23 hopefully, are encouraged to agree on a number
24 that will be reasonably accurate and protect
25 correlative rights and prevent the premature

1 abandonment of a number of low volume gas wells.

2 But I do foresee potential where those
3 parties would not agree and we may need to do
4 something beyond just saying we can't agree on
5 what to do.

6 CHAIRMAN LeMAY: Commissioner Weiss.

7 EXAMINATION

8 BY COMMISSIONER WEISS:

9 Q. Who pays for a test?

10 A. I'm not sure if the test is paid for by
11 the operator or mutually by the transporter and
12 operator or what.

13 Q. Seems to me that would have some
14 impact. And then the other question, you
15 mentioned in your testimony there at the
16 beginning, you had 700 wells, 250 of which are
17 producing?

18 A. These are the wells that would be
19 affected, potentially affected, by this. Amoco
20 operates, oh, probably on the order of 4,000
21 wells in the San Juan Basin, but about 700 of
22 them we currently show would be 15 Mcfd or less
23 in their current producing characteristics. And
24 of that 700, about 250 of them are currently
25 producing, and the other 450 are unable to

1 produce right now at the current line pressures.

2 Q. Well, will this new rule affect those
3 450 wells, or do you have an estimate of how
4 many? I'm just curious as to --

5 A. Well, I think we're going to have to
6 see some lowering of the line of pressure before
7 we can tell. At this point if they're unable to
8 produce against line pressure, they're basically
9 just shut in. If line pressures do come down,
10 then those wells would have to be tested to
11 determine whether or not they're going to fall in
12 the Mcfd or less category or not.

13 To put it in perspective, the wells
14 that are currently shut in have historically
15 averaged about 100 Mcfd in total, but many of
16 them produce as much as 500 Mcfd or more. So
17 some of those wells that can't buck line pressure
18 probably would not fall in the less than 15 Mcfd
19 rate if line pressures begin to come down.

20 COMMISSIONER WEISS: Thank you.

21 CHAIRMAN LeMAY: Just a question to
22 follow up a little bit on Mr. Sexton's
23 questions.

24 EXAMINATION

25 BY CHAIRMAN LeMAY:

1 Q. Is it your understanding that some
2 operator agreement with the transporter would
3 also maybe define substantial depending upon the
4 wells in the area? You're talking about how much
5 of a pressure swing in that pipeline that would
6 require retesting?

7 A. It's difficult for me to say that we
8 can identify today or even in the near future
9 what amount of pipeline pressure change would be
10 called substantial. I think you're going -- it
11 may vary on individual wells.

12 A small change in pressure on some
13 wells may result in a very small change in rate,
14 and there may be no question on those type of
15 wells.

16 Other wells, as I've indicated, may
17 have a substantial change in producing rate with
18 a relatively small change in pipeline pressure,
19 and those are the ones that I think we would have
20 the most concern over.

21 And so I don't know that it's
22 necessarily a substantial change in pipeline
23 pressure as it is a substantial change in
24 expected production due to changing operating
25 conditions.

1 If you'd see what I mean, not all wells
2 are going to change on the same amount depending
3 on a, you know, a 20 pound pressure differential
4 or a change in the pipeline pressure.

5 MR. CHAVEZ: Frank Chavez, OCD Aztec.

6 Mr. Hawkins, wouldn't it also be
7 appropriate for an amendment to include the
8 provision for the transporter to request a retest
9 in case of significant changes in operating
10 conditions?

11 THE WITNESS: Certainly.

12 CHAIRMAN LeMAY: Mr. Pearce.

13 MR. PEARCE: Mr. Chairman, if I may
14 just add something with regard to the question
15 that Commissioner Weiss asked about payment for
16 these.

17 El Paso has had some internal
18 discussions about what's appropriate and fair in
19 that regard. And I think what we've come to --
20 and I'm not sure it's a suggestion for inclusion
21 in the rule -- but we believe that it's
22 appropriate for the transporter gatherer to be
23 responsible for bearing costs of the annual
24 testing but that whichever party requests the
25 subsequent special test be charged with bearing

1 the cost of that test.

2 And we would suggest that the Amoco
3 proposal that the operator can apply for a new
4 production test be amended to include a provision
5 for either the operator or the transporter to
6 request that special test.

7 As I say, I don't know that that's
8 anything that ought to go in the rule, but I did
9 want to give Commissioner Weiss El Paso's sense
10 about what might be a fair solution to that
11 problem.

12 CHAIRMAN LeMAY: Thank you, Mr.
13 Pearce. I think that is helpful since it wasn't
14 brought up previously.

15 MR. STOVALL: In other words, Mr.
16 Pearce, if I might clarify what you say, is that
17 the issue of cost is still something to be
18 decided between the operator and the transporter
19 and it shouldn't be addressed by the Commission;
20 is that correct?

21 MR. PEARCE: That's my personal sense.
22 My client may shoot me in the back of the head,
23 but that's my sense.

24 MR. STOVALL: I certainly think that's
25 the Division's position.

1 UNIDENTIFIED SPEAKER: To shoot him?

2 MR. STOVALL: We thought of that too.

3 And what was the name for the record on that?

4 CHAIRMAN LeMAY: That guy there.

5 Additional questions for the witness?

6 If not, he may be excused, and we can finish this
7 thing up.

8 Mr. McCord.

9 MR. McCORD: Mr. Chairman, I have a
10 letter I'd like to read and made a part of the
11 record. Can I do it here, or would you like me
12 to go up --

13 MR. STOVALL: Would you come up for the
14 recording, so she can record it with the mike,
15 Kevin.

16 CHAIRMAN LeMAY: Let me ask you, at
17 this point, I think that probably would would be
18 a statement. I'm wondering if there are any
19 other witnesses that would like to offer
20 testimony in the case, or are we at the point now
21 where probably we'd be taking statements?

22 Okay. Mr. McCord, you may proceed with
23 your statement.

24 MR. McCORD: I have a letter here from
25 Robert L. Bayless to the OCD, attention Mr. Bill

1 LeMay, Director.

2 "Gentlemen: Robert L. Bayless would
3 like to go on record in support of the proposed
4 changes to OCD General Rules No. 403 and 1110
5 concerning low volume gas wells. Unfortunately,
6 we operate a considerable amount of low volume
7 wells in which the current metering costs meet or
8 exceed revenues currently being generated by the
9 well.

10 "The proposal for alternate measurement
11 methods for low volume gas wells submitted by El
12 Paso Natural Gas Company appears to be a win-win
13 proposition for all concerned parties.

14 "We encourage the NMOCD and the BLM
15 regulatory agencies to accept less expensive
16 methods of determining well production volumes to
17 lengthen the lives of these low producing wells,
18 which in turn will increase revenues to ourselves
19 and to our state. Sincerely, Robert L. Bayless,
20 Producer."

21 CHAIRMAN LeMAY: Thank you.

22 MR. McCORD: Would you like a copy of
23 this letter?

24 CHAIRMAN LeMAY: Please. Thank you,
25 Mr. McCord.

1 Mr. Kellahin.

2 MR. KELLAHIN: Thank you, Mr.

3 Chairman. On behalf of the New Mexico Oil and
4 Gas Association, we want to thank Mr. Sexton for
5 his efforts in conducting the study process to
6 provide what we think is a viable rule change to
7 provide not only the small operators, such as Mr.
8 Bayless and Mr. Dugan and others in the
9 northwest, but the larger operators the
10 opportunity to prolong the life of significant
11 oil and gas recoveries up in these fields.

12 And we thank you for the opportunity to
13 make these rule changes, and we think our
14 membership will welcome those changes and we can
15 take advantage of them. Thank you.

16 CHAIRMAN LeMAY: Thank you, Mr.
17 Kellahin.

18 Additional statements in Case No.
19 10398?

20 MR. STOVALL: Mr. Chairman, it's
21 already been done, but as I indicated during Mr.
22 Sexton's testimony, the actual form, what will be
23 the C-136 if approved by the Commission,
24 certainly would advise you, it's probably
25 unnecessary to say so, but please comment on how

1 it works once we start working with it. I think
2 that really is going to be the working tool that
3 makes this system work. So keep us informed once
4 we get going.

5 Again, I'm making a presumption that
6 the Commission might adopt this rule. But if
7 they do, tell us how it's going.

8 CHAIRMAN LeMAY: I would also like to
9 state that we will leave the record open ten days
10 for additional comments, written comments, for
11 consideration. At that time we will close the
12 record and take the case under advisement.

13 Thank you very much.

14 (The proceedings were
15 concluded at 10:40 a.m.)


1 CERTIFICATE OF REPORTER

2
3 STATE OF NEW MEXICO)
4) ss.
5 COUNTY OF SANTA FE)

6 I, Debbie Vestal, Certified Shorthand
7 Reporter and Notary Public, HEREBY CERTIFY that
8 the foregoing transcript of proceedings before
9 the Oil Conservation Commission was reported by
10 me; that I caused my notes to be transcribed
11 under my personal supervision; and that the
12 foregoing is a true and accurate record of the
13 proceedings.

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

19 WITNESS MY HAND AND SEAL OCTOBER 12,
20 1991.

21
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23 
24 DEBBIE VESTAL, RPR
25 Certified Shorthand Reporter No. 400