

1 STATE OF NEW MEXICO
2 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
3 OIL CONSERVATION DIVISION
4 STATE LAND OFFICE BUILDING
5 SANTA FE, NEW MEXICO

6 22 November 1988

7 EXAMINER HEARING

8 IN THE MATTER OF:

9 Application of Meridian Oil, Inc. for CASE
10 compulsory pooling, unorthodox gas 9535
11 well locations, and non-standard gas Through
12 proration units, San Juan County, New 9547
13 New Mexico.

14 BEFORE: Michael E. Stogner, Examiner

15 TRANSCRIPT OF HEARING

16 A P P E A R A N C E S

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1 MR. STOGNER: This hearing
2 will come to order.

3 We will call Cases 9535
4 through 9547, inclusive. These are all the application of
5 Meridian Oil, Incorporated, for compulsory pooling, San
6 Juan County, New Mexico.

7 Case Number 9535 in particular
8 also includes an unorthodox gas well location and a non-
9 standard gas proration unit.

10 Also, Case Number 9545 in-
11 cludes a nonstandard gas proration application.

12 We'll call for appearances in
13 any or all of these cases.

14 MR. KELLAHIN: Mr. Examiner,
15 my name is Tom Kellahin. I'm an attorney with the Santa Fe
16 law firm of Kellahin, Kellahin & Aubrey. I'm appearing on
17 behalf of the applicant, Meridian Oil, Inc., in all of
18 these cases.

19 MR. STOGNER: How many witnes-
20 ses do you have, Mr. Kellahin?

21 MR. KELLAHIN: I have three
22 witnesses, Mr. Examiner.

23 MR. STOGNER: Are there any
24 other appearances?

25 MR. BRUCE: Mr. Examiner, my

1 name is Jim Bruce from the Hinkle Law Firm in Albuquerque,
2 representing Fina Oil and Chemical Company. We are enter-
3 ing an appearance on Cases 9543 and 9544, and I may have
4 three witnesses.

5 MR. STOGNER: Are there any
6 other appearances?

7 I will hear testimony in Cases
8 9535 through 9542 and from 9545 to 9547 at this time, but
9 I'm going to postpone Cases 9543 and 9544 to the end of the
10 docket today, and consider those separately.

11 All right. Will all Meridian
12 witnesses please stand and be sworn in at this time.

13
14 (Witnesses sworn.)
15

16 MR. STOGNER: Mr. Kellahin?

17 MR. KELLAHIN: Thank you, Mr.
18 Stogner.

19 We'd call Mr. Bob Hopkins at
20 this time.
21
22
23
24
25

CASE 9535

ROBERT J. HOPKINS,

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Mr. Hopkins have you previously testified as a petroleum landman before the Oil Conservation Division?

A No, I have not.

Q Would you please take a minute and describe what has been your educational background?

A Yes. I graduated from Creighton University in Omaha, Nebraska, in 1977, with a Bachelor of Science in business administration.

I received a law degree from the same school in 1980 and began work for El Paso Exploration Company in August of 1980.

Q Describe for us what has been your employment experience as a petroleum landman.

A From 1980 to 1984 I was employed as a contracts and titles landman with El Paso Exploration Company.

1 I was transferred to Midland, Texas, in
2 1984 and worked as a landman in the field office, and in
3 June of this year was transferred -- or April of this year
4 was transferred to Farmington, New Mexico to work as a
5 Senior Landman in the field office in Farmington.

6 Q Have you been involved on behalf of your
7 company with efforts to consolidate on a voluntary basis
8 the necessary acreage for the drilling of each of these 11
9 wells that are the subject of the hearing today?

10 A Yes, I have.

11 Q Would you describe generally how the
12 Land Department for Meridian is organized in Farmington and
13 to what particular landmen were delegated various functions
14 and responsibilities for consolidating the acreage for
15 drilling?

16 A Sure. We had four landmen on staff that
17 were in charge of drilling interest wells and seeking the
18 voluntary joinder in the wells that we had proposed this
19 year.

20 In April we divided the wells up between
21 the landmen so that we had a very similar work load fairly
22 randomly in areas, not working one particular area or an-
23 other, and the proceeded to approach or start in April of
24 this year.

25 Q Would you identify the other landmen

1 the properties and tried to determine the ownership of
2 those wells.

3 We then used title opinions that we had
4 copies of in our files, phone calls to companies that we
5 found their name associated with the well, we'd make phone
6 inquiries, and we also had a contract landman who in Sep-
7 tember verified all the ownerships that we had made with
8 the BLM records and the State Land Office records and the
9 county records in San Juan County.

10 Q As of today's hearing, then, are you
11 satisfied that Meridian has an accurate representation for
12 each of the spacing units of the owners and the percentage
13 interests involved in those spacing units?

14 A Yes, we do.

15 Q Let me ask you how you generally, and
16 the other landmen working on this project, generally went
17 through the process of getting other interest owners to
18 voluntarily participate with you.

19 What was the initial first contact?

20 A A letter, a cover letter with the oper-
21 ating agreement and an AFE was submitted to the partners.

22 Q Approximately when did that occur?

23 A A great majority of them went out in
24 late April of 1988. I believe we had 8 that went out in
25 April and several -- one that went out in June and two of

1 them in August, and Conoco had sold part of its interest
2 and we didn't determine that FMP Operating Company owned an
3 interest until October.

4 Q The Commission did not issue a 320-acre
5 spacing rules for the Fruitland Coalbed gas production un-
6 til late summer this year, is that not true?

7 A Yes, it is.

8 Q But your efforts to consolidate this
9 acreage on 320-acre spacing commenced considerably before
10 the date of the order, did it not?

11 A Right.

12 Q What was the thinking in terms of Meri-
13 dian's activities in trying to consolidate acreage for coal
14 gas wells on spacing larger than existed at the time you
15 began your efforts?

16 A Our engineers had determined much
17 earlier that the wells that Amoco had drilled in the area
18 and wells that we were drilling would drain a larger area
19 than the existing statewide spacing in 160 acres. Our data
20 was -- was such that we were fairly confident that the
21 wells would indeed drain 320 acres. Had we gone out and
22 drilled our wells on 160 acres and then had rules issued
23 for 320, we would have had a large number of wells that we
24 would have either had to gone to partners to include them
25 in the old wells or would have caused a large number of

1 wells to be drilled on less acreage than they probably
2 would drain.

3 So we made a conscious effort to volun-
4 tarily get -- get other parties to join in on the 320-acre
5 spacing.

6 Q Was it perceived to be more difficult to
7 bring in additional working interest owners into a produc-
8 ing well that had to be re-spaced?

9 A Yes, it was.

10 Q In the course of your activities from
11 the inception of your involvement with this project to
12 today, have you received any objection from any of the
13 working interest owners as to the issue of spacing?

14 A No, sir.

15 Q There has been no agreement or discus-
16 sions that 320-acre spacing for each of these 11 wells is
17 anything other than appropriate.

18 A No, sir.

19 Q Describe for us generally, and I know
20 it's not true of each individual case, but describe for us
21 generally the types of companies or individuals that were
22 being included in each of these wells.

23 Can you identify some of them for us?

24 A Yes. We had Chevron, ARCO, Tenneco,
25 Conoco, Mesa Limited Partnership, Fina Oil and Chemical, T.

1 H. McIlvain Oil and Gas Properties, Grace Brown from El
2 Paso, Texas, James Raymond from Kerrville, Texas.

3 Q You were dealing almost substantially
4 with sophisticated oil and gas companies or individuals
5 that regularly made a course of business of dealing in our
6 industry?

7 A Yes, sir.

8 Q When the initial AFE's were prepared and
9 given to you for circulation to the various working inter-
10 est owners, did you cause that to happen?

11 A Yes, we did. The AFE's were signed out
12 by our management and approved and delivered to the Land
13 Department and at that point in time after ownership was
14 determined we then sent the AFE's to the other partners in
15 the proration unit.

16 Q Have you received back any objection
17 from any of the parties to whom you have submitted the
18 AFE's objecting to any of the items on the AFE?

19 A No, sir.

20 Q None of the parties to whom you sent
21 AFE's, the Amoco's, Tenneco's, Conoco's, involved in these
22 particular cases, no party has objected to the AFE?

23 A No, sir.

24 Q Have you circulated operating agreements
25 to all these potential interest owners?

1 A Yes, sir, we have.

2 Q And for each, then, of the 11 cases, you
3 and the other landmen have prepared and tabulated separate
4 packages of exhibits?

5 A Yes, sir, we have.

6 MR. KELLAHIN: At this time,
7 Mr. Examiner, we tender Mr. Hopkins as an expert petroleum
8 landman.

9 MR. STOGNER: Mr. Hopkins is
10 so qualified.

11 MR. KELLAHIN: Mr. Examiner,
12 we have placed before you I hope in consecutive order the
13 11 separate exhibit packages that deal with the landmen's
14 efforts to consolidate the acreage.

15 The first package of exhibits
16 is -- deals with the very first case, 9535.

17 Q Mr. Hopkins, let's use the first package
18 of exhibits for Case 9535 as an example by which we can
19 look at the way you've organized the exhibits for each of
20 the cases.

21 A Yes, sir.

22 Q In each instance for each of these
23 cases, Mr. Hopkins, are the exhibits organized in a similar
24 way?

25 A Yes, sir, identical.

1 Q And the information contained in here is
2 to the best of your knowledge, information and belief, true
3 and accurate?

4 A Yes, sir.

5 Q And the correspondence is either from
6 Meridian Oil or received by Meridian Oil with regards to
7 this project?

8 A Yes, sir.

9 Q Let me have you turn, sir, to what is
10 Exhibit One, Case 9535, so that the Examiner can see how
11 you've organized the case files.

12 What occurs as Exhibit Number One?

13 A We've put a copy of the application for
14 compulsory pooling as Exhibit One.

15 Q When we turn to the attachment to the
16 application, what is included at that point as Exhibit A?

17 A Exhibit A is -- is the Exhibit A to the
18 operating agreement that was furnished to the partners,
19 indicating the lands subject to the operating agreement,
20 the restriction as to the Fruitland formation only, and
21 then the addresses and percentage of interest of the
22 parties to the agreement.

23 Q In each instance, then, the tabulation
24 of parties and their interest, represents 100 percent work-
25 ing interest for that particular well based on 320-acre

1 spacing?

2 A Yes, sir, it does.

3 Q What then is the next attachment under
4 Exhibit Number One?

5 A The next attachment will be a plat of
6 the communitized area covering the approximately 320-acre
7 proration unit.

8 Q And what will I see as we look at that
9 attachment in terms of identifying parties and their
10 interests and their acreage?

11 A We have -- we have shown each party's
12 lease and indicated whether that was -- what type of lease
13 it was, Federal, State, or fee.

14 And then an indication of the interests
15 of the parties in the total unit; the interest that their
16 lease bears to the whole.

17 Q In this particular case have you also
18 shown us the proposed well location?

19 A Yes, we have.

20 Q And is that true of all the other cases
21 involved?

22 A Yes, sir, it is.

23 Q And you have also shown the orientation
24 of the spacing unit for each of the wells?

25 A Yes, sir.

1 Q As we turn to Exhibit Two, what do we
2 find?

3 A We have a general plat, land plat of the
4 area, attempting on a letter-sized page to center the pro-
5 ration unit for each of the wells.

6 Q All right, sir, and when we turn behind
7 the first page of Exhibit Number Two what's the next page?

8 A We have a more formal plat of the com-
9 munitized area, indicating again the lease name or serial
10 number, the acreage in the lease, and the parties that own
11 that lease along with a spot indicating -- a dot indic-
12 cating the well location.

13 Q You've used the phrase "communitized".
14 In each of these instances has this acreage actually been
15 communitized?

16 A Not necessarily but it -- the communiti-
17 zation agreements will be prepared when necessary.

18 Q You've used it to indicate the spacing
19 unit itself.

20 A Yes.

21 Q When we turn to page three, what do we
22 find -- I'm sorry, Exhibit Three of this exhibit book, what
23 do we find at Exhibit Three?

24 A We have covered our correspondence to
25 the parties with a chronology of events that lists the

1 major events that occurred from the initial proposal letter
2 with attachments to the parties, through current informa-
3 tion that we've received on the wells.

4 Q And behind the chronological summary of
5 events for this exhibit, what do we then find?

6 A Copies of all the correspondence from
7 Meridian or to Meridian from the various parties regarding
8 our proposal.

9 Q Does this exhibit book for Case 9535 re-
10 present the general way all these cases were handled?

11 A Yes, sir, it does.

12 Q Let's take a moment and have you des-
13 cribe for us the next page underneath the chronology. It's
14 a letter?

15 A Yes, sir. It's the style of letter that
16 we sent out to propose a well.

17 Q And this initial effort was April 20th
18 of 1988?

19 A Yes, sir.

20 Q All right. Generally tell us what was
21 intended to be conveyed by this letter.

22 A We sent what we felt was a current own-
23 ership of the spacing unit for the well. We told the par-
24 ties that an operating agreement was enclosed for their
25 review and that an AFE was also attached, the well cost

1 estimate, and then this specific letter indicated that a
2 communitization agreement was attached for their approval.

3 Q If we go through the balance of the doc-
4 uments in Exhibit Number Three, will you describe for us
5 what each of these is?

6 A The initial letter was to both parties
7 in the Howell "C" Com 301 Well, Tenneco Oil Company and
8 Conoco, Inc.

9 The second letter, dated June 1st, 1988,
10 was a letter from Tenneco to Meridian indicating that they
11 had executed the AFE.

12 The next letter under that was a copy of
13 Tenneco's signature on our letter ballot and on the AFE
14 that we had submitted.

15 The June 21st letter was from Dave Pogue
16 of Meridian's Farmington office as a follow-up letter to
17 Conoco indicating that we had sent out our first well and
18 that we would like to drill the well as -- at the earliest
19 possible date.

20 The July 22nd letter is a copy of an
21 amendment that Tenneco had proposed to the operating agree-
22 ment. That amendment was negotiated throughout the summer
23 and finally on the November -- on November 7th was agreed
24 to by the parties and Tenneco has a -- we have a copy of
25

1 their signature page to the operating agreement behind that
2 letter along with the acknowledgements

3 On August 18th, prior to our November
4 7th signing off on the amendment letter, is a proposal that
5 Meridian -- a counter proposal that Meridian had made to
6 Tenneco, which was not accepted.

7 October 19th, 1988, we have a letter to
8 Conoco, Inc., sending revised pages to the operating agree-
9 ment. At that time we had discovered that FMP Operating
10 Company owned an interest that had formerly been owned by
11 Conoco and we had to revise Conoco's figures.

12 We also sent revised pages to Tenneco at
13 that point in time.

14 On October 19th, 1988, FMP was also not-
15 ified by a very similar letter to the initial letter we'd
16 sent out to the other parties asking them to participate in
17 a well and providing them a copy of the operating agreement
18 and a well cost estimate.

19 On November 7th I had a cover letter on
20 the Tenneco letter that we've spoke of previously, the
21 amendment letter transmitting it back to them.

22 November 10th, 1988, Conoco had deter-
23 mined that it had been a fairly long time since we'd ini-
24 tially proposed the wells and they realized that our costs
25 must have gone down. We transmitted revised well cost es-

1 timates to Conoco at that time indicating that the costs
2 had indeed been lowered through our experience.

3 And that concludes our correspondence
4 section on that well.

5 Q Separate and apart from the pooling ap-
6 plications, have you and the other landmen continued to
7 negotiate on a good faith basis with all these working
8 interest owners to get them committed to the well on a vol-
9 untary basis?

10 A Yes, sir, we have. We've had numerous
11 telephone conversations with all of them.

12 Q Let me direct your attention to the in-
13 formation contained in Exhibit Number Four. What's con-
14 tained behind this tab?

15 A In each of the files we've listed the
16 division of interest in the well, we've down the interest
17 owner, working interest that that owner has in the spacing
18 unit, and whether or not that owner has executed an AFE and
19 an operating agreement.

20 Q Are each of the exhibit files for each
21 case organized so that Mr. Stogner can go directly to Exhi-
22 bit Four for each case and find the interest owners, their
23 working interest, and the status of the voluntary efforts?

24 A Yes, sir.

25 Q And when he finds under Tenneco that

1 they have as of the date of this hearing executed an AFE
2 and a joint operating agreement, are there remaining any
3 other commitments they must make in order to voluntarily
4 participate in the well?

5 A No, sir, they've elected to participate
6 and have signed a contract for operations.

7 Q So the Tenneco interest for this case is
8 fully committed?

9 A Yes, sir.

10 Q All right, and they could be deleted
11 from any pooling order.

12 A Yes, they could.

13 Q When we get to Conoco, for example, what
14 is the status of your efforts with Conoco?

15 A At this point in time we have not received
16 a signed AFE nor an operating agreement from Conoco.

17 Q And as to FMP Operating Company in
18 Louisiana, what's the status of your efforts with them?

19 A We have had numerous telephone conversations
20 with them and are awaiting AFE's and operating agreements
21 should negotiations be successful.

22 Q Turn now, sir, to Exhibit Number Five
23 and describe what's contained behind that tab.

24 A Exhibit Number Five is our most accurate
25 AFE. Initially many of the wells had authority for expen-

1 ditures that in April reflected higher costs. During our
2 experience with wells in the basin we were able to lower
3 those costs and our engineers furnished to the Land De-
4 partment revised costs that were sent out as appropriate to
5 the owners.

6 Q In each case file will Mr. Stogner find
7 the first attachment under Exhibit Five to be the most cur-
8 rent AFE?

9 A Yes, sir, I believe so.

10 Q When we turn to tab Six, or Exhibit Six,
11 what is shown at this section?

12 A Exhibit Six is the operating agreement
13 that was initially proposed to all the parties.

14 Q Okay, by referring back, then, to tab
15 Number Four we can determine which of the parties have exe-
16 cuted the operating agreement that's shown under Exhibit
17 Six.

18 A Yes, sir, with the -- with the caveat
19 that Tenneco has executed an amendment letter to the oper-
20 ating agreement and those -- those -- that amendment would
21 be in the correspondence section of the files.

22 Q And the amendment letter with Tenneco
23 was executed after the filing of the forced pooling cases?

24 A Yes, sir.

25 Q What do we find when we turn to the in-

1 formation behind Exhibit Seven in the exhibit book?

2 A In Exhibit Seven of the books we have
3 put this certificate of mailing.

4 Q That was notice of hearing for today's
5 hearing?

6 A Yes, sir.

7 MR. KELLAHIN: Mr. Stogner,
8 you'll find in reviewing the eleven cases that there are
9 three of the eleven for which I do not have completed cer-
10 tificates of mailing for hearing.

11 We would like to have you con-
12 tinue each of those three cases after the testimony today
13 to the hearing for December 21st to let us issue supplemen-
14 tal notices to make certain that we have no defects in the
15 notification for hearing.

16 Those cases are 9535, 9536 and
17 9545.

18 For all the other cases we
19 have in the file the return receipt cards that show deliv-
20 ery of notice to all those parties shown under Exhibit Four
21 of the exhibit book. With the single exception of a return
22 receipt certificate that's attached to one of the case
23 files and we have not yet received the return card, and
24 I've forgotten which one that is. It will show in the cer-
25 tificate.

1 The three cases I've mentioned we've not
2 been able to find the return receipt cards and I cannot
3 tell you that notices were sent and we're going to send new
4 notices to make sure we have no defect in our notices.

5 Q Let me have you go through each of the
6 exhibit books, now, Mr. Hopkins, and we will turn to Exhi-
7 bit Four of each of the exhibit books and have you summar-
8 ize for Mr. Stogner it is -- what the current status of
9 negotiations are for these parties.

10 We've completed discussion of 9535.

11
12 CASE 9536

13
14 Q Let's go to 9536. All right, let's turn
15 to Exhibit Two and the attachment right after the land
16 plat. That will be the attachment for this case that shows
17 the Riddle "A" Com 261?

18 A Yes, sir.

19 Q Let's compared that now to the Exhibit
20 Four and the summary of interests.

21 For this particular well, who are the
22 working interest owners?

23 A For this particular well the owners
24 would be El Paso Production Company. Their leasehold
25 covers 280 of the 320 acres, giving them an 87-1/2 percent

1 interest in the well.

2 The remaining 40-acre lease is owned by
3 Tenneco Oil Company, Conoco, Inc., and FMP Operating Com-
4 pany.

5 Tenneco Oil Company owns a 50 percent
6 interest in that lease, giving them a 6.25 percent interest
7 in the spacing unit.

8 Conoco and FMP Operating then own the
9 remaining 6.25 percent and the percentage is shown on the
10 exhibit.

11 Q If we turn to Exhibit Four can we find
12 the status of the voluntary efforts to get those parties
13 committed to the drilling of the well?

14 A Yes, sir we can. In that instance Ten-
15 neco has executed an AFE. They have not yet signed an
16 operating agreement, but due to the fact that we have
17 agreed on the terms of the amendment letter, we expect that
18 shortly.

19 Q So you will continue with the voluntary
20 negotiations notwithstanding the hearing process to get
21 Tenneco, Conoco and FMP voluntarily committed if we can
22 reach terms with these parties?

23 A Yes, sir, we will.

24 Q Again, for this case, and all other
25 cases, initial efforts were began sometime in the spring or

1 early summer of this year to form 320-acre spaced units for
2 these wells?

3 A Yes, sir.

4 Q All right.

5 A This well was actually August 29th of
6 1988.

7 Q This is one of the later ones, then,
8 that was included in the package.

9 A Yes, sir, one of the two August wells
10 that I referred to earlier.

11 Q As of today's hearing, Mr. Hopkins, have
12 any of these parties included in the 11 cases requested ad-
13 ditional time or continuance of the pooling cases?

14 A Not formally, I don't believe.

15 Q The original request for additional
16 times by Conoco and Tenneco have been withdrawn as of to-
17 day, have they not?

18 A Yes, sir.

19 Q So the only party you have had any dis-
20 cussions with are not included in the current 11.

21 A Yes, sir.

22 Q They have to do with Fina, do they not?

23 A Yes, sir.

24 Q All right, so let's go to the next exhi-
25 bit book, which is 9537.

CASE 9537

1
2
3 Q Turn again, if you will, to the Exhibit
4 Two of that book to the orientation of the spacing unit,
5 and describe for us the interest owners involved and then
6 continue with the Exhibit Four and show us the status of
7 the commitment of those interests to the well.

8 A The Section 9 of 32 North, 10 West, is
9 the location of this well. It's a very short section on
10 the state line. The north half of the south half of the
11 section is a Federal lease owned by Grace Brown, T. H.
12 McIlvain Oil and Gas Properties, and James N. Raymond. The
13 south half of the south half is a Federal lease, 155.61
14 acres owned by El Paso Production Company.

15 Given those acreage figures, El Paso
16 Production Company would have approximately a 46-1/2 per-
17 cent interest in the well.

18 Grace Brown would have a 26.7 percent
19 interest in the well.

20 T. H. McIlvain Oil and Gas Properties
21 has a 21.37 percent interest in the well.

22 And James Raymond has a 5.34 percent
23 interest in the well.

24 Q As we turn to Exhibit Four describe the
25 status of your efforts to get voluntary joinder.

1 A We have written to all the parties re-
2 questing joinder. As we left the office yesterday, we'd
3 received a Federal Express package from Mr. McIlvain and
4 Mr. Raymond indicating that they had indeed signed the AFE
5 and we are working with Ms. Brown's attorneys, hopefully,
6 securing her signed AFE, also.

7 Q At this point we don't have executed
8 joint operating agreements for those parties?

9 A Not at this time.

10 Q And you continued to make efforts to
11 accomplish that.

12 A Yes, sir.

13
14 CASE 9538

15
16 Q Turn to the exhibit book for Case 9538.
17 If you'll turn again to Exhibit Two and describe for us the
18 configuration of the unit and the interests involved.

19 A Yes, sir. This spacing unit is located
20 in Section 9 of 30 North and 8 West in San Juan County, New
21 Mexico.

22 The El Paso Production Company owns a
23 Federal lease covering 240 acres of the unit.

24 Tenneco Oil, Conoco, Inc., and FMP Oper-
25 ating Company own an 80-acre Federal lease.

1 The ownership, then, would be 75 percent
2 for El Paso Production Company and Tenneco Oil Company has
3 a 12-1/2 percent interest. Conoco and FMP Operating Com-
4 pany then jointly own the remaining 12-1/2 percent inter-
5 est, and that percentage is shown on the exhibit.

6 Q And when we turn to Exhibit Four what do
7 we find as to the status of their commitment to this unit?

8 A Tenneco has signed both an AFE and an
9 operating agreement in this well and we are continually
10 working with Conoco and FMP Operating agreement to secure
11 their joinder in such.

12 Q All right, sir, now let's turn to the
13 exhibit book for Case 9539.

14

15 CASE 9539

16

17 Q If you'll turn to Exhibit Number Two,
18 identify and describe the spacing unit for this well.

19 A The Pierce Com 251 Well is located in
20 the east half of Section 8 of 30 North and 9 West. El Paso
21 Production Company owns 100 percent working interest in a
22 Federal lease covering the northeast quarter of that
23 Section. They also own an 80-acre fee lease covering the
24 north half of the southeast quarter, giving them a 75 per-
25 cent interest in the well.

1 Amoco Production Company owns an 80-acre
2 fee lease covering the south half of the southeast quarter
3 of that.

4 Q And if you turn to Exhibit Four and de-
5 scribe for us the current status of efforts to get Amoco to
6 voluntarily participate in the well.

7 A At this point in time we have not re-
8 ceived a signed AFE nor an operating agreement from Amoco.

9 Q Have you provided Amoco with correspon-
10 dence, documentation and information that they may have
11 requested in order for them to make their decision?

12 A Yes, we have. This was one of the other
13 August notification wells that we had a follow-up letter in
14 September, plus numerous phone calls with Amoco.

15 Q What is the current status, then, of
16 your efforts to get them committed to the well?

17 A We are currently negotiating with Amoco
18 to go nonconsent under an operating agreement that would be
19 negotiated between the parties.

20 Q Have they raised any objection to Meri-
21 dian being the operator?

22 A No, sir.

23 Q To the AFE?

24 A No, sir.

25 Q Their concern evolves around one of the

1 technical aspects of the operating agreement and a method
2 of crediting production?

3 A Yes, sir, it does.

4 Q Let's turn now to the case file for Case
5 9540.

6
7 CASE 9540

8
9 Q All right, sir, if you'll turn to Exhi-
10 bit Number Two in Case 9540, again describe for us the
11 spacing unit involved for that well.

12 A This well is located in the east half of
13 Section 11 of 30 North, 9 West, in San Juan County, New
14 Mexico.

15 Tenneco Oil Company, Conoco, Inc. and
16 FMP Operating Company jointly own 160-acre Federal lease
17 covering the northeast quarter of that section.

18 El Paso Production Company owns a
19 160-acre Federal lease covering the southeast quarter and
20 that would give El Paso Production Company a 50 percent in-
21 terest, Tenneco Oil Company has a 25 percent interest,
22 Conoco and FMP jointly own the remaining 25 percent in the
23 figures shown on the exhibit.

24 Q Turn to Exhibit Four and describe for
25 us, Mr. Hopkins, what the current status is of your efforts

1 to obtain voluntary joinder for this well?

2 A We currently have a signed AFE and an
3 operating Agreement from Tenneco Oil Company and are con-
4 tinuing to work with Conoco and FMP Operating Company for
5 signatures.

6 Q All right, sir, now let's go to Case
7 9541.

8
9 CASE 9541

10
11 Q Will you turn to Exhibit Two and identi-
12 fy for us the spacing unit and the interests involved for
13 this well.

14 A The Riddle "E" Com No. 250 Well will be
15 located in the east half of Section 4, 30 North, 9 West, in
16 San Juan County, New Mexico.

17 El Paso Production Company owns 163.3-
18 acre lease covering the northeast quarter of that section.

19 Tenneco Oil Company and Conoco own 160-
20 acre lease covering the southeast quarter of that section.

21 That would give El Paso Production Com-
22 pany approximately -- an approximate 50.5 percent interest
23 in the spacing unit. Tenneco Oil Company would have a
24 24.74 percent and Conoco would have an identical 24.74 per-
25 cent.

1 Q And if we look to Exhibit Three in this
2 book, we can see the chronology of major events in efforts
3 to get voluntary joinder?

4 A Yes.

5 Q And then following that tab, on Exhibit
6 Four what do you show?

7 A We show our division of interest and the
8 status of the execution of our proposed AFE and operating
9 agreement.

10 In that regard, Tenneco has signed an
11 AFE and an operating agreement and we're currently working
12 with Conoco to achieve that.

13 Q All right, sir, if you'll find the exhi-
14 bit book for Case 9542.

15

16 CASE 9542

17

18 Q If you'll turn to Exhibit Number Two of
19 that exhibit book, Mr. Hopkins, would you identify for us
20 the spacing unit involved?

21 A Yes. The Turner "B" Com "A" Well No.
22 200 is located in the east half of Section 2, 30 North, 9
23 West, San Juan County, New Mexico.

24 El Paso Production Company owns a
25 163.16-acre lease, State lease, covering the northeast

1 quarter of that section. They also own a 40-acre State
2 lease jointly with (unclear) Corporation, covering the
3 northeast of the southeast quarter of the section.

4 Tenneco Oil, Conoco, Inc. and FMP Oper-
5 ating jointly own an 80-acre State of New Mexico lease
6 covering the west half of the southeast quarter of that
7 section. Southland Royalty Company owns a 40-acre lease,
8 State lease, situated in the southeast quarter of the
9 southeast quarter of that section.

10 Q When we turn to Exhibit Four, Mr. Hop-
11 kins, what do we find at that exhibit?

12 A On that exhibit we have shown that El
13 Paso Production Company, Southland Royalty Company and
14 Tenneco Oil Company are the only parties that have executed
15 AFE's and an operating agreement.

16 (Unclear) Corporation has executed an
17 AFE only, and Conoco and FMP have yet to execute an AFE or
18 an operating agreement.

19 Q Would you go to Case 9545.

20
21 CASE 9545
22

23 Q Would you turn to Exhibit Number Two in
24 that case book and describe for us the spacing unit and the
25 interests involved?

1 A Yes. The spacing unit for the Howell
2 "G" Com Well No. 300 is a nonstandard spacing unit covering
3 the west half of Section 6 and the northwest quarter of
4 Section 7.

5 El Paso Production Company owns the
6 219.7-acre Federal lease shown at the west half of Section
7 6. Tenneco Oil Company, Conoco, Inc. and FMP Operating
8 Company jointly own the 111.3-acre Federal lease covering
9 the northwest quarter of Section 7.

10 Q Have you had any objection by any of
11 these working interest owners to the formation of a non-
12 standard spacing unit for this well?

13 A No, sir, we have not.

14 Q I direct your attention, sir, to Exhibit
15 Number Four in this case file and describe for us the sta-
16 tus of Meridian's efforts to get voluntary joinder.

17 A At this point in time only Tenneco Oil
18 Company has signed an AFE and an operating agreement on the
19 well. We're still waiting on Conoco and FMP to do so.

20 Q All right, sir, if you'll take us to the
21 case file for Case 9546.

22 MR. STOGNER: Excuse me, Mr.
23 Kellahin, I'm going to take about a five minute recess.

24

25 (Thereupon a recess was taken.)

CASE 9546

Q Mr. Hopkins, would you continue with your discussion about the status of interest for the spacing unit in Case 9546, and we were looking at the information on Exhibit Number Two.

A Yes. The Sunray "G" 251 Well covers the west half of Section 21 of 31 North, 9 West.

El Paso Production Company owns a 237.01 acre Federal lease covering the northwest quarter and the east half of the southwest quarter.

Tenneco Oil Company and Conoco, Inc., jointly own an 80-acre fee lease covering the west half of the southwest quarter.

Q When we turn to Exhibit Four, would you identify for us the status of commitment of those working interest owners to the well?

A Yes. Tenneco has signed an AFE and an operating agreement. We are still waiting on Conoco to do so.

CASE 9547

Q And finally, if you'll turn to the ex-

1 hibit book for Case 9547, and within that exhibit Book find
2 Exhibit Two and identify for us the spacing unit and the
3 interests involved for that well.

4 A The Atlantic "D" Com No. 201 Well is
5 located in the west half of Section 36, 31 North, 10 West,
6 San Juan County, New Mexico.

7 Tenneco Oil Company, Conoco, Inc. and
8 ARCO Oil & Gas Company jointly own an 89-acre State lease
9 covering the north half of the northwest quarter.

10 Mesa Limited Partnership owns an 80-acre
11 State lease covering the southwest of the northwest quar-
12 ter and the northwest of the southwest quarter.

13 El Paso Production Company owns the re-
14 mainder of the west half, 160-acre State of New Mexico
15 lease.

16 Q If we look, then, at the tabulation of
17 events behind Exhibit Three, the initial efforts for this
18 well were April 29th of 1988?

19 A Yes, sir.

20 Q And did those initial efforts include
21 Mesa Petroleum?

22 A Yes, they did, but we sent the letter to
23 their Denver office. We were requested June 20th, 1988, to
24 furnish the identical letter to their Amarillo, Texas of-

25

1 fice.

2 Q And after all the discussions and nego-
3 tiations, what is the final status of commitment of working
4 interest owners for this well as we look to the tabulation
5 of information behind Exhibit Number Four?

6 A At this point in time we do have exe-
7 cuted AFE's and operating agreements from Mesa Petroleum
8 Company and Tenneco Oil Company.

9 We would still be negotiating with ARCO
10 Oil & Gas and Conoco on AFE's and operating agreements.

11 Q With regards to these eleven cases,
12 then, Mr. Hopkins, what generally remains to be done by
13 your company and the various landmen to complete trans-
14 actions with the various working interest owners?

15 A We simply need to reach agreements on
16 the operating agreements that are outstanding.

17 Q Do you have a reason why you cannot
18 either continue or delay the compulsory pooling process in
19 order to further the time period in which you and others
20 can negotiate on a voluntary basis?

21 A Well, we -- we had started the process
22 in April of this year and with weather conditions in the
23 San Juan Basin and budget constraints, and otherwise, we
24 would like to drill these wells as soon as possible.

25 Q What is your understanding of the drill-

1 ling program to be implemented with these wells in terms of
2 the first well to be drilled? When will that occur?

3 A I assume that these wells have approved
4 APD's so that they could be drilled immediately.

5 Q So the question now is either on a vol-
6 untary basis complete the remaining commitment of those
7 interest owners or have the Division issue a pooling order
8 in order to commence the wells.

9 A Yes, sir.

10 Q Were the various exhibits contained in
11 each of the case files that we have discussed this morning
12 in Cases 9535 to 9547, exclusive of Cases 9543 and '44,
13 were those prepared by you and the other petroleum landmen
14 with Meridian in the normal course of your activities as
15 petroleum landmen?

16 A Yes, they were.

17 Q To the best of your knowledge, the in-
18 formation in here is true and accurate?

19 A Yes, sir, it is.

20 MR. KELLAHIN: That concludes
21 my examination of Mr. Hopkins, Mr. Stogner.

22 We would move the introduction
23 of his exhibit books in the particular cases.

24 MR. STOGNER: All of the exhi-
25 bits in all of the cases except 9543 and 9544 will be ad-

1 mitted into evidence at this time.

2 Mr. Kellahin, before I work
3 with this witness, of your other witnesses that you're
4 going to have, what will they be -- what's their expertise?

5 MR. KELLAHIN: I have a geol-
6 ogist that is going to address his opinion about the risk
7 factor.

8 I have in addition the reser-
9 voir engineer that's testified for the -- Meridian in the
10 basin coal hearings to also talk about the risk factor in
11 the coals.

12 I have not sworn as witnesses,
13 but I have available the drilling engineer that prepared
14 the various AFE's and I have the individual landmen that
15 participated in certain of the cases and talked specifical-
16 ly with various of the working interest owners. They're
17 all here.

18 MR. STOGNER: And who will be
19 stating the overhead charges?

20 MR. KELLAHIN: I have two wit-
21 nesses, a geologist and engineer.

22 MR. STOGNER: That will be
23 coming later, as will the rest of it.

24 MR. KELLAHIN: Yes, sir.

25 MR. STOGNER: Okay.

CROSS EXAMINATION

BY MR. STOGNER:

Q Mr. Hopkins, are you familiar with Order
No. R-8568?

A Not by number, sir.

Q Okay, are you familiar with the special
rules and regulations for the Basin Fruitland Coal Gas
Pool?

A Yes, sir, I am.

Q Okay, were you involved in the institu-
tion of that particular hearing that started that or the
committee which was formed that wrote those rules?

A No, sir, I was not.

Q Okay. But you are familiar with the
rules?

A Yes, I sir, I believe.

Q And in being so, you could satisfactor-
ily answer any questions that may come along from any of
the interest owners which you dealt with, if they had any
questions concerning that, is that correct?

A I think I could, sir.

Q Okay. Now most of the parties involved,
there's Conoco and Tenneco, those are the two major ones,

1 right?

2 A They were involved in the most wells.

3 Q Okay. Were they involved also in the
4 formation of the special pool rules?

5 A I believe they -- I can't say.

6 Q Okay. Did they at any time during your
7 conversation with them in any of these cases, was that ever
8 a concern with them and which proration units were not as
9 of yet formed for this particular pool, and at such time
10 you were trying to force pool only -- I'm sorry, let me
11 rephrase that -- reach voluntary agreement on a proration
12 unit that wasn't even talked about?

13 A In my conversations with the landman,
14 Tenneco did not seem to have those concerns.

15 Conoco, the main problems seem to be
16 economics of the wells and getting management approval to
17 -- to go forth with a program like that.

18 Q So they were -- they understood the sit-
19 uation about seeking 320-acre proration units in that par-
20 ticular pool, apparently.

21 A I'm not sure that I know what they un-
22 derstood at that point in time.

23 Q Did they ever ask you or has that ever
24 entered into the conversations?

25 A I don't recall being asked that ques-

1 tion, no, sir.

2 Q Did they ever ask you why you were try-
3 ing to form a 320-acre proration unit when none existed out
4 there? Why were you trying to get --

5 A Well --

6 Q -- voluntary agreement on a 320-acre
7 unit when that wasn't even in existence?

8 A Well, because the engineers had provided
9 us with enough information that they were firmly convinced
10 that these wells drain more than 160 acres, and I think
11 that, I don't know, but I assume that most of the companies
12 realize that to protect themselves that voluntary pooling
13 was probably the way to go, even though statewide rules
14 were 160.

15 Q Are you familiar with the statutes of
16 forced pooling?

17 A Yes, sir.

18 Q Okay, what is the criteria for forced
19 pooling?

20 A That you would have an order in exis-
21 tence, I assume.

22 Q Thank you. Was one in existence?

23 A October 10th, I believe, was the date
24 that the order was issued.

25 Q Well, when did you start contacting

1 these people?

2 A In April of this year.

3 Q So there was not one in existence.

4 A No, but we were not -- we were contac-
5 ting people to --

6 Q There was not one in existence --

7 A No, sir.

8 Q -- is that correct? Thank you.

9 Did Tenneco or Conoco ever ask about
10 that particular situation?

11 A No, sir, I don't recall them asking.

12 Q Okay, how about FMP or some of the
13 smaller ones, like Mesa, FMP and McIlvain?

14 A I think that those parties in our tele-
15 phone conversations were fully aware that it was a volun-
16 tary spacing that we were concerned with at that time and
17 based on the information we had and that they had privy to
18 through the Amoco production over the years, people real-
19 ized that those wells drain more acreage.

20 Q Well, what you're telling me, if the
21 acreage can drain 400 acres, then you're going to seek a
22 400 acre proration unit, is that correct? Now is that
23 right or is that feasible for a pool?

24 A It would make pretty good sense that --
25 that owners that had an interest in that 400 acres would

1 want their interest protected.

2 Q How would you form a 400-acre proration
3 unit?

4 A A working interest type unit with an
5 operating agreement, voluntary.

6 Q Metes and bounds, is that what you're
7 telling me -- what are you telling me?

8 A By description, if -- if that was the
9 case.

10 Q Sounds like to me you couldn't answer
11 their questions if they had one.

12 A I don't think --

13 Q You do not understand why -- how a pro-
14 ration unit is formed in this state, do you?

15 Why do we have 40, 80, 160, 640, 320
16 acre spacing rules?

17 Why not 62 or 120 or 340?

18 MR. STOGNER: I have no fur-
19 ther questions of Mr. Hopkins, Mr. Kellahin.

20
21 LYON C. MEIBOS,
22 being called as a witness and being duly sworn upon his
23 oath, testified as follows, to-wit:
24
25

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Mr. Meibos, for the record would you please state your name and occupation?

A My name is Lynn Meibos. I'm a Senior Geologist with Meridian Oil in Farmington, New Mexico.

Q Mr. Meibos, have you previously testified as a geologist before the Oil Conservation Division?

A I have not.

Q Would you take a moment and describe what has been your educational background as a geologist?

A I graduated from Brigham Young University in 1979 with a Bachelor's degree and in 1982 with a Master's degree.

Q Summarize for us what has been your employment experience as a geologist.

A I started work with Meridian, or with El Paso, which was the -- the old El Paso in 1982, January of 1982, and have worked with El Paso, Meridian, until this date.

Q Describe specifically what has been your involvement with the location and drilling of the Fruitland coal gasbed wells that have been undertaken by your company.

A I've been assigned tasks of mapping

1 Fruitland coal; coring Fruitland coal wells. I've been
2 assigned tasks of gathering wireline data with regard to
3 the Fruitland coal wells and several other different
4 aspects of taking care of the current drilling program that
5 we have going right now.

6 Q Have you participated with other Meri-
7 dian geologist in reviewing and assimilating data by which
8 exhibits were prepared for the cases before the Division on
9 the Fruitland Coalbed Gas rules?

10 A I did not participate in any of the pre-
11 paration for the pool rules.

12 Q Have you utilized that information by
13 which then to pick locations for wells drilled pursuant to
14 those rules?

15 A Yes, we have.

16 Q What has been your particular involve-
17 ment with regards to studying the issue of what Meridian
18 recommends for a risk factor penalty to be assessed in each
19 of these pooling cases?

20 A Would you state -- say it again?

21 Q Yes, sir. What efforts have you made as
22 a geologist to to study the issue to see if you could have
23 an opinion or formulate an answer on the question of the
24 risk factor penalty to be assessed against nonconsenting
25 owner with regards to these pooling cases?

1 A We've looked at the coal as a rock to
2 determine how the coal was fractured and in order for the
3 coal to flow gas out of the wellbore it's necessary for the
4 coal to be fractured and typically, in most fractured re-
5 servoirs it's difficult to predict where those fractures
6 are going to be; therefore, our assessment of risk would be
7 based on the difficulty of the geologist or reservoir en-
8 gineer to predict where we could encounter natural frac-
9 tures which would enable a Fruitland coal well to produce.

10 Q In making that assessment have you
11 plotted and shown on an exhibit the location of each of the
12 wells that is the subject of this -- these pooling cases
13 today?

14 A Yes.

15 Q Let me have you describe for us before
16 we talk in detail of what specifically have you shown Mr.
17 Stogner on each of the two displays that are on the hearing
18 room wall.

19 A Mr. Stogner, the exhibit to the -- well,
20 the first exhibit with the big Meridian Oil on the left is
21 an exhibit that was prepared for I'm not sure of the case
22 number but for the horizontal well case that we had a month
23 or so ago, and I've spotted on that map, which is an iso-
24 pach of the Fruitland coal the locations generally of the
25 wells that we've brought before you today.

1 MR. KELLAHIN: At this time,
2 Mr. Stogner, we tender Mr. Meibos as an expert petroleum
3 geologist.

4 MR. STOGNER: Mr. Meibos is so
5 qualified.

6 As I understand it, I'm look-
7 ing at the large exhibit on the wall on the lefthand side,
8 is that correct?

9 A That's right.

10 MR. STOGNER: And the blue
11 dots are representative of wells that we're talking about
12 today?

13 A Yes, that's correct.

14 MR. KELLAHIN: We're going to
15 mark that, Mr. Stogner, as Exhibit Number Eight to each of
16 the hearings, and the second display he referred to will be
17 Exhibit Number Nine, in which he has more specifically
18 shown you the location of each of the 11 wells.

19 MR. STOGNER: And those are
20 marked --

21 A Marked in blue, as well.

22 MR. STOGNER: The dark blue
23 circles?

24 A Yes. Those in red are wells operated by
25 other -- other operators.

1 MR. STOGNER: Okay.

2 A I didn't put the other operator wells or
3 the Cedar Hill Pool boundary on -- on the copy you have in
4 front of you.

5 MR. KELLAHIN; Let me try this
6 one.

7 Q Mr. Meibos, let me have you go to what
8 is marked as Exhibit Number Eight, if you'll just go on up
9 to the display, let me ask you, sir, to to generally des-
10 cribe for us what we're seeing in this montage.

11 A This montage illustrates an isopach of
12 the Fruitland -- net Fruitland coal generated by Kelso, et
13 al, in a publication, A Geological Assessment of Natural
14 Gas in the Fruitland Formation, San Juan Basin. This exhi-
15 bit was prepared by Dana Craney, Bill Hobby (sic), and
16 myself, using their information to show the location of the
17 San Juan 30-6 Unit, the Cedar Hill Pool, and four wells
18 that show the tight section of coal in areas of the Cedar
19 Hill Pool, the San Juan 30-6 Unit where we drilled the hor-
20 izontal well, and two other locations that we have current-
21 ly received approval for drilling horizontal wells in the
22 pool.

23 Q How have you identified the approximate
24 location for each of the wells that are subjects of the
25 pooling cases here?

1 With blue dots. The blue dots over-
2 shadow the exact area and are general locations of where
3 more specifically dotted wells are shown on the map you
4 have in front of you, Mr. Stogner.

5 Q Let's go to Exhibit Nine, which is the
6 more specific location and have you first of all, before we
7 describe the details of your conclusions, identify and
8 orient us as to the information contained on that display.

9 A Okay. The blue wells are the wells that
10 we're discussing at this point in the hearing. The trian-
11 gles here are wells that Meridian has drilled to -- to
12 date.

13 The red dots represent wells operated by
14 others in the Cedar Hill Area.

15 The numbers shown at the side of the
16 triangled wells are field flow test information, producing
17 rate information, and after frac (unclear) information to
18 demonstrate the variability of production from one spacing
19 unit to the next.

20 Q Have you examined each of the proposed
21 locations for the wells involved in the pooling cases to
22 determine whether you had a separate opinion about the risk
23 involved for each of those wells?

24 A Yes.

25 Q And in assessing the risk have you uti-

1 lized the Commission method of setting risk factors in
2 relationship to the maximum statutory penalty of allowing
3 an operator to recover out of cost of production -- to
4 recover out of production that party's cost plus two more
5 times?

6 A That's correct.

7 Q And that's the framework in which you
8 have defined your task?

9 A Yes.

10 Q For each of these wells, Mr. Meibos,
11 do you have a recommendation as to a risk factor penalty?

12 A Yeah. I would recommend that the risk
13 factor penalty be 200 percent above the cost of the well.

14 Q For each well?

15 A For each well.

16 Q Let's take the well involved in Case
17 9535, which is the Howell "C" Com Well No. 301. I think
18 it's in Section 7, and --

19 A 301?

20 Q -- to be included in a portion of
21 Section 18 and 7?

22 A Okay.

23 Q Do you find it?

24 A Yes, okay.

25 Q When we look at that specific well, what

1 is identified by the green triangle in the section adjoin-
2 ing to it?

3 A In Section 13 of -- the northeast quar-
4 ter of Section 13, 39, there's a well symbol that shows a
5 gauge that was too small to measure after -- after the well
6 was completed.

7 Q Each of the green triangles represent
8 completed Fruitland Coal gas wells?

9 A That's correct.

10 Q And were the wells completed by Meri-
11 dian?

12 A Yes.

13 Q Because of the proximity of that well to
14 the Howell "C" Com 301 Well, does that change your assess-
15 ment of the risk involved in that well?

16 A It doesn't.

17 Q Why not?

18 A It's proximity shows that the -- the
19 well here that had a gauge of too small to measure, shows
20 that the coal has a high risk of producing any gas at all
21 and therefore a risk penalty ought to be relatively high
22 initially because of the same high risk of producing gas.

23 Q When we go to the well for Case 9536,
24 which is the Riddle "A" Com Well 10 -- 160, do you find
25 that well?

1 A 160?

2 Q I'm sorry, this must be 260.

3 A Yes, thank you.

4 Q Do you have that one?

5 A Yes.

6 Q What is your assessment of risk for that
7 well?

8 A The risk would need to be the maximum
9 for this well because of the distance that it is from any
10 currently drilled Fruitland coal well, as well as the --
11 the same parameters that we've talked about for the Fruit-
12 land coal play in general, and that is that it's impossible
13 to predict where fractures are; therefore, the risk ought
14 to be high because of the general nature of a fractured
15 reservoir.

16 Q When we look at Case 9537, find the
17 Brown Well No. 100 for us.

18 A The Brown Well, I'm color blind.

19 Q I'm sorry, it's --

20 MR. STOGNER: It's up at the
21 very top.

22 Q Yeah, it's going to be in Section 9, up
23 at the very top of your display.

24 A Oh, that one, okay.

25 Q What's your assessment of the risk in-

1 volved for that well?

2 A The risk for that one would be similar
3 because of the sand parameters we're talked about, the
4 fractured nature of the Fruitland coal. It's impossible to
5 predict how well the well would produce and therefore it's
6 impossible to say whether it would produce as well as
7 those, some of the wells in the Cedar Hill Area or as well
8 as -- or not at all.

9 Q When we look at the information, some of
10 the information next to a green triangle shows some numbers
11 in red letters and it says "FT"?

12 A That's a flow test; that the well has
13 been tested on a 3-hour flow test after the well had been
14 completed.

15 Q That flow test is in MCF of gas?

16 A Yes.

17 Q And what's the number below the flow
18 test number?

19 A The number below the flow test number is
20 a production rate that the well has; it has been tied into
21 the pipeline and its initial production rate is recorded as
22 that number, and has probably been recorded with the State.

23 Q When we look at Case 9538 and the Wood
24 River Com Well 300, have you found that one?

25 A Yes.

1 Q What's your assessment of the risk in-
2 volved in that well?

3 A The risk would be similar to those as
4 described in the whole pool, based on the fact that we're
5 not sure whether we would encounter fractures or not, even
6 though it offsets a well to the north that had a flow test
7 of 2.9-million.

8 If you notice, the well in Section, the
9 southwest of Section 3, 30, and the flow test of the well
10 there was 4.3-million but only produced 22, 5 (unclear)
11 down the line. It was 25 MCF a day compared to 4300 MCF a
12 day; a production rate much decreased from the flow test
13 record.

14 Q When we look to the section to the south
15 and west of the Wood River Well, there -- yes, sir, right
16 there -- there is a green triangle. What is shown for that
17 well?

18 A That's a flow test shown of 150 MCF a
19 day.

20 Q But what does that tell you as a geolo-
21 gist when you have a Wood River Well proposed to be located
22 approximately between those two wells?

23 A It means we might have a flow test of
24 between 150 MCF a day to 2900 MCF a day, but maybe not even
25 that all. It may test to small to measure as -- as did a

1 well a mile to the -- to the east in Section 7 -- a mile to
2 the west in Section 7.

3 Q Is there any way that you as a geolo-
4 gist can accurately forecast the productivity of the well
5 by locating it at a point in the Basin coal area where you
6 have the greatest coal thickness shown on your isopachs?

7 A Coal thickness doesn't appear to make a
8 difference with regard to how well the wells will produce.
9 Our experience has shown that in this area the coal thick-
10 ness is relatively thick. In fact, in the 30 and 10 area,
11 this -- this well is not far from -- from where -- where we
12 currently propose. This is the well that's on this type
13 log as the Southwest (unclear) 30 and 10 two miles south of
14 31. It shows that there's a lot of coal and I didn't write
15 down the net feet of coal but there's greater than 30 feet
16 of coal, yet some of the wells that we've completed in this
17 area have relatively low, in fact too small to measure,
18 production rates.

19 Q When we go to the well for Case 9539,
20 which is the Pierce Com Well what's the risk on that well?

21 A The risk on that would be the maximum of
22 200 percent above the cost of the well based on the same
23 parameters, the fractured nature of the Fruitland Coal play
24 and as evidenced by the erratic production information and
25 several wells that have gauged as too small to measure.

1 Q When you go to the well for Case 9540,
2 which is the Lindsay Com 250, is your opinion still the
3 same?

4 A Yes, it is.

5 Q In Case 9541 we're looking at the Riddle
6 "E" Com Well 250. It's in Section 4 of 30 North, 9 West?

7 A Okay.

8 Q Did you find that well?

9 A Yes.

10 Q All right, what's your assessment of the
11 risk there for that well?

12 A It would be the same.

13 Q Case 9542, we're looking at the Turner
14 "B" Com "A" Well 200. It's in Section 2 of 30 North, 9
15 West? Do you find that one?

16 A Yes.

17 Q Again what is your opinion and why?

18 A It would be the same for the same
19 reasons.

20 Q The well involved for Case 9545 is the
21 Howell "G" Com Well 300. Do you find that well?

22 A Yes, sir.

23 Q All right. Is the specific environment
24 geologically surrounding that well any different than any
25 of the other wells, so that you can assess a different risk

1 factor penalty?

2 A It is not any different and therefore, i
3 would not assess a different risk penalty.

4 Q When we look at Case 9546, that's the
5 Sunray "G" Well 251 in Section 21. Do you have that well?

6 A In Section 21 of which --

7 Q 31 North, 9 West.

8 A Okay.

9 Q What is your assessment of the risk for
10 that well?

11 A The risk for that well would be as the
12 others for the same reasons.

13 Q And then finally 9547 is the Atlantic
14 "D" Well 201 and what's your assessment of the risk for
15 that well?

16 A The risk for that well would be the
17 same, 200 percent over the cost for the same reasons.

18 MR. KELLAHIN: That concludes
19 my examination of Mr. Meibos.

20 We move the introduction of
21 Exhibits Eight and Nine.

22 MR. STOGNER: Exhibits Eight
23 and Nine will be admitted into evidence.

24 Now are those marked up there,
25 Mr. Kellahin?

1 MR. KELLAHIN: No. sir, I'll
2 do that, though.

3 MR. STOGNER: So you'll be
4 utilizing those for the next two cases --

5 MR. KELLAHIN: Yes, sir.

6 MR. STOGNER: -- the ones we
7 have at the end of the docket, won't you?

8 MR. KELLAHIN: Yes, sir.

9

10 CROSS EXAMINATION

11 BY MR. STOGNER:

12 Q Mr. Meibos, are you --

13 A Meibos.

14 Q Oh, I'm sorry.

15 A It's like "my bus" rolling down the
16 road.

17 Q Are you familiar with the coal gas
18 rules?

19 A No, sir, I'm not.

20 Q Were you a party of that committee or
21 did you present testimony at that hearing?

22 A No, sir, I didn't.

23 Q Are you familiar with the order?

24 A I know of its existence and know that it

25 --

1 Q Are you familiar with Finding Number
2 Eight in that order?

3 A No, sir, I'm not.

4 MR. STOGNER: For the record,
5 the evidence at this time further indicates that the coal
6 seams within the Fruitland formation are potentially pro-
7 ductive of natural gas in substantial quantities.

8 Is your -- are your wells
9 within that pool?

10 A Yes, sir, they are.

11 Q Now, a pool is usually formed in what
12 manner, do you know?

13 A It's usually formed where there is --
14 where there is a reservoir that's known to produce hydro-
15 carbon.

16 Q That's right, but yet you're still
17 wanting 200 percent. This is inside of a pool that's in
18 existence, that is formed, and you're still seeking 200
19 percent?

20 A Yes, sir, I am.

21 Q Doesn't that run contrary to how the
22 findings and how the pool was formed?

23 A I don't think --

24 Q You're saying it's risky today but then
25 it wasn't risky. What -- what's -- I'm confused.

1 A I don't think that establishment of the
2 pool generates the definition of the risk.

3 Q What other risk should be take into
4 account on assessing a risk penalty on a well?

5 A I think in the case of the Fruitland
6 Coal the risk regarding the ability of a well to encounter
7 natural fractures should be one of the primary concerns
8 that's taken into account.

9 Secondarily to that would be mechanical
10 risks that I would not have expertise to talk about.

11 Q And then you talked about -- so these
12 two factors are the only -- or are there any others that we
13 should take into account?

14 A Those are -- those are the primary fac-
15 tors. The other -- a third one would be the fact that the
16 Fruitland Coal is not everywhere present in the San Juan
17 Basin and it -- the fact that it thickens and thins and in
18 some places pinches out entirely would be another risk that
19 should be taken into account, the -- the fact that the re-
20 servoir might not be there at all, due to the fact that a
21 Fruitland sandstone may have eroded it away or that it was
22 simply not deposited.

23 That would -- that would be the third
24 risk.

25 Q These areas where the Fruitland pinches

1 out, or there is no Fruitland Coal, I should say, those
2 shouldn't even be in the pool, should they? But the pool
3 is already established, is that correct?

4 A If -- yes, the pool is already estab-
5 lished and it would be very, very hard to tell where those
6 areas were and it would be -- I'm looking for the word --
7 inefficient to try and show where those -- those pinchouts
8 were in every portion of the pool. Oftentimes they're --
9 the pinchout areas are not very big and sometimes they're a
10 little bit bigger and to show where all those were would be
11 -- would -- you wouldn't be able to do it very easily.

12 Q But the pool is there.

13 MR. STOGNER: Mr. Kellahin,
14 I'm going to take all the testimony entered in Case 9420,
15 that was the establishment of the pool rules. I'm going to
16 take administrative notice of that particular case in this
17 -- in these cases today.

18 Mr. Kellahin, we have a couple
19 of nonstandard -- I'm sorry, we have one nonstandard loca-
20 tion and two nonstandard proration units. Who will be
21 giving testimony on those today?

22 MR. KELLAHIN: Let me ask Mr.
23 Caldwell to do that for me. I think he is -- my recollec-
24 tion is he's informed on those matters and we'll attempt to
25 do that with his testimony.

1 MR. STOGNER: Okay. Thank
2 you, Mr. Kellahin.

3 This witness may be excused
4 unless there is other questions of him.

5 MR. KELLAHIN: No, sir.

6 MR. STOGNER: Mr. Kellahin.

7

8 JOHN W. CALDWELL,
9 being called as a witness and being duly sworn upon his
10 oath, testified as follows, to-wit:

11

12 DIRECT EXAMINATION

13 BY MR. KELLAHIN:

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

16 A John W. Caldwell, III. I'm a Regional
17 Reservoir Engineer for Meridian Oil, Inc. in Farmington,
18 New Mexico.

19 Q Mr. Caldwell, as a reservoir engineer
20 have you previously testified before the Division?

21 A Yes, sir, I have.

22 Q Would you describe with regards to this
23 -- these particular pooling cases what other cases you've
24 testified for your company that involve the Fruitland Coal
25 Gas beds?

1 A I didn't specifically testify in the
2 Cedar Hill Basin or the Cedar Hill vertical extension of
3 the limits but an individual that worked for me did. I
4 reviewed his work. I did personally testify in the basin-
5 wide Fruitland Coal hearings.

6 Q Summarize for us has been your exper-
7 ience in developing the engineering and the reservoir
8 studies for the Fruitland coal gas production that Meri-
9 dian's undertaking to accomplish.

10 A It's my job, really, as the Reservoir
11 Engineering Supervisor, I supervise a staff of seven en-
12 gineers and several technicians, to define the economic
13 opportunity for Meridian Oil to develop the Fruitland coal
14 as it underlies our acreage within the San Juan Basin.

15 Some of the things that we've done is
16 we've tried the science, to put a little science into
17 what's actually gone on out in the basin and to that end
18 our group has been responsible for generating reserve esti-
19 mates, doing production scenarios, running economics on in-
20 dividual well projects, recommending cores, transient pres-
21 sure tests, sidewall cores, that type of technical data.

22 I've been involved in the, like I say,
23 the Cedar Hill vertical extension of the pool and the
24 basin-wide -- some input, I think, to your office to help
25 in writing that particular order.

1 I testified at that July 6th hearing
2 with the intent of trying to establish some basis for
3 leveraging Amoco's reasonably sophisticated, well docu-
4 mented pressure transient work on 320-acre spacing, and
5 that -- that type of effort.

6 Q Have you and engineers that work for you
7 studied the proposed locations and do you have an opinion
8 of the risk involved in drilling each of those wells inso-
9 far as it relates to nonconsenting parties?

10 A Yes, sir, I do.

11 Q Are you generally familiar with the
12 outer boundaries for the Basin Fruitland Coal Pool?

13 A Yes, sir, I am.

14 Q Contained within that pool area are
15 there Fruitland coal wells that have a significant range of
16 difference between their productivities?

17 A Most definitely.

18 Q Do we find that you can drill a well in
19 the Basin and drill an economic, marginal coal gas well in
20 the Basin pool area?

21 A We've been able to drill some geologic
22 successes and economic failures.

23 Q And have you conversely been able to
24 drill some highly successful Fruitland Coal wells?

25 A I think that Meridian has been able to

1 Q In assessing the risk involved for each
2 of these eleven wells that are the subject of the hearing,
3 have you been able to determine a relationship between the
4 thickness of the coal and the location of the well so that
5 you can minimize the risk?

6 A We typically use three or four factors
7 in optimizing our locations and thickness is one of them.
8 Thickness doesn't typically determine the rate of the well.
9 I think it may, in fact, have some direct bearing on recov-
10 erable reserves but we're not convinced of that due to the
11 number of wells we have not tied in.

12 Q What are some of the other factors that
13 go into that assessment?

14 A We look for over pressuring; some indi-
15 cations when some of the 10,000 control points in the Basin
16 were drilled through the Fruitland Coal; what kind of mud
17 weight that they used to drill the section through the
18 Fruitland; did it kick on; what kind of regional lineaments
19 and fracturing can we deduce from the surface, the landsat
20 photography, try to migrate those to depth, sometimes un-
21 successfully, sometimes successfully. We try to get a
22 handle on what it is that determined production in the
23 Fruitland Coal based on what we've done to this point. It
24 involves a variety of factors.

25 Q Do you have an opinion as to -- first of

1 all, do you understand the limitation within the definition
2 of risk factor that the Commission uses by statute in
3 assessing a penalty against nonconsenting owners in a com-
4 pulsory pooling situation?

5 A In other words, do I understand 300
6 percent nonconsent is a maximum?

7 Q Yes, sir.

8 A Yes, I do.

9 Q And when you use that term, you're using
10 it to mean to recover out of production the cost of that
11 nonconsenting interest owner's share plus two more times?

12 A Yes, sir, I understand that.

13 Q Within that context and framework, do
14 you have an opinion as a reservoir engineer what the per-
15 centage factor assessment ought to be for each of these
16 wells against nonconsenting parties?

17 A Yes, sir. I believe that we'd be justi-
18 fied in asking for the maximum out here.

19 Q The maximum 200 percent?

20 A 200 percent over the cost.

21 Q Describe for us in a general way the
22 reasons that lead you to that opinion, Mr. Caldwell.

23 A We've done some sensitivities and admit-
24 tedly they're not perfect, but if you look at the relative
25 economic parameters of every working interest owner con-

1 sending in a well and then carrying those partners for one
2 payout or two payouts or three payouts, in other words,
3 100, 200, 300 percent, at the point we feel -- I've got
4 some exhibits here if we want to talk about them -- that we
5 break even or come close to breaking even, really, is a 300
6 percent case, or the two times in addition to the original
7 capital exposure (sic).

8 At that point we start achieving to our
9 mind an acceptable after tax rate of return, an acceptable
10 payout, and justify drilling the well.

11 We've gotten into some pretty onerous
12 situations where we have only one payout before the parties
13 come back in. We tried to purchase their interest in some
14 specific instances and in some cases we have 150 percent,
15 200 percent type penalties and they're right at the edge,
16 and we postpone those particular wells with the intent of
17 trying to go back and renegotiate those particular agree-
18 ments to where we can justify drilling an economic well.

19 Q In assessing the risk involved for this
20 particular issue, is there an inherent risk involved mech-
21 anically in drilling wells that will produce out of the
22 Fruitland Coal beds?

23 A Yeah, there is, and I think Pat Bent,
24 our drilling engineer, can talk about the drilling piece of
25 it, but there's -- there's been a pretty steep learning

1 curve for Meridian Oil in the San Juan Basin as to how to
2 complete these wells successfully.

3 The first 4-well pilot program, I be-
4 lieve, we averaged over a \$1,000,000 per well.

5 The next 16 I think we got our numbers
6 down to \$600-650,000 per well.

7 Now we're currently (unclear) wells of
8 the \$400-500,000 range. We had to factor in some CO₂ pro-
9 cessing charges and laying a pretty sophisticated gathering
10 system in the Basin. We've had to figure out some reason-
11 ably sophisticated SWD's, salt water disposal concerns.

12 Q Well, apart from figuring out those
13 things and using that learning to further reduce your risk
14 of future wells, does that risk a mechanical -- mechanical
15 risk continue on future wells, even for Meridian?

16 A I think so. It's not as high, perhaps,
17 as the first four pilot wells. We didn't know what we were
18 doing then, but there's still some definite risk.

19 Q Do you have a percentage that you would
20 assess among the total 200 percent maximum you'd recommend
21 that represents some ratio as to the mechanical risk?

22 A Based on my experience of the geology in
23 the area and the mechanical problems that we've encounter-
24 ed, I would think that probably a third of the risk would
25 be mechanical and maybe two-thirds geologic/reservoir.

1 Q All right. Let's talk about the geologic/
2 reservoir portion of the risk.

3 First of all, the geologic risk, and
4 that is the risk of picking a location, drilling it, finding
5 the reservoir either absent of production, a dry hole,
6 or missing the reservoir entirely at geologic risk of a dry
7 hole.

8 What is your assessment about that as
9 being a factor in assessing risk for these wells?

10 A My concept of risk, I guess, geologic/
11 reservoir, is three components, trap, hydrocarbon, and reservoir;
12 trap being, I think, probably proven in this basin.
13 We've got hydrocarbons trapped within the coal seam.
14 Hydrocarbon, I think, is definitely there. We can -- we
15 can drill wells and encounter 5 to 65 feet of pay probably
16 almost anywhere in the basin.

17 The main risk, really, of those three is
18 reservoir.

19 Q All right, before we talk about the reservoir
20 portion of the risk, let's talk about the geologic
21 risk.

22 A Okay.

23 Q Is there a relationship between the risk
24 factor penalties we're talking about and the fact that we
25 have got a continuous coalbed reservoir that can be mapped

1 over miles and miles and forms a basis by which we're
2 created a pool?

3 A Is there a correlation between that?

4 Q The risk factor of drilling in that kind
5 of reservoir and the fact that you've got wide spacing in a
6 continuous coalbed gas formation?

7 A There's a -- there's a correlation in
8 that. I think you'd probably penetrate a coal virtually
9 everywhere that you drill within the confines of the basin,
10 but there's a definite geologic, and I'm calling a major
11 reservoir risk, you could call it geologic risk, as to how
12 that rock, how that coal actually will produce in a given
13 area, and we've found cases where an 80-acre or 160-acre
14 offset, equivalent effective 160-acre offset, you lost your
15 producability, and whether you call that geologic fractur-
16 ing risk or whether you call it reservoir producability and
17 deliverability type risk, I think that's the key component
18 that we're trying to focus on here.

19 Q When we find, then, we can drill a well
20 in the basin and find the reservoir, the reservoir is
21 there. The question, then, is whether or not it's going to
22 produce.

23 A That's the key question, I think.

24 Q Have you made a tabulation of at least
25 some of the information in trying to draw a relationship

1 between a flow test and the actual producing rates of the
2 wells?

3 A Yes, sir, I have.

4 Q Let me direct your attention to Exhibit
5 Number Ten, if you will, Mr. Caldwell, and first of all
6 explain what you were trying to understand with this ana-
7 lysis and then finally what you conclude from making the
8 analysis.

9 A In essence what we're trying to show
10 here is some correlation, really, between pretty exciting
11 results out on the rig floor and not so exciting results
12 when we get to tying the wells into the line.

13 We've drilled a large number of wells, I
14 believe over a hundred at this point, in our drilling pro-
15 gram this year. We have an awful lot of flow test data,
16 but we only have, as you can see, eight wells that we've
17 currently tied in in this nine township area.

18 What we've tried to do on this Exhibit
19 Ten, it correlates to the wells on this map with the red,
20 which you have a field flow test number and a producing
21 rate number.

22 We've tried to give you some idea of the
23 variability of the numbers that -- that have been bandied
24 about in the coffee shop, 4-or-5-million a day numbers and
25 the 25 MCF a day numbers that we've been kind of getting

1 in some of these wells.

2 This isn't a perfect correlation because
3 I think these wells are going to increase rate with time
4 and maybe this 25 MCF a day well is quite a bit better than
5 that, but we don't know at this point.

6 If you look at Exhibit Ten in the far
7 righthand column we have what I've labeled the test/produc-
8 tion ratio, and that in essence is the flow test number
9 divided by the production rate number and in some cases we
10 tested a well, Howell "K" 300, over a million a day on the
11 rig floor and then we tied into the line and it hasn't
12 been able to produce.

13 I think that gives you some feel that
14 the gas is there. It may be, you know, a 3-foot lazy flare
15 at the end of the blue line, or whatever, but the gas is
16 there. It's a question of commercial quantities and how
17 we're going to get it out and what do we need to do with
18 our technology to be able to optimize that, and that's what
19 we're wrestling with right now.

20 Q In minimizing the risk and therefore re-
21 ducing the potential penalty on nonconsenting owners below
22 the 200 percent factor, is it of use to you in attempting
23 to locate subsequent wells closer to existing wells?

24 Is there a closeology theory that you
25 can implement to minimize your risk in this reservoir?

1 A We originally believed that and in the
2 30 and 6 Unit area we were lucky in that, I think, the
3 regional fracturing trends were such that the whole area
4 was a rubble zone and we could get successful wells in
5 essence stepping out from each other similar, very similar
6 to a uniformly consistent matrix driven reservoir.

7 When we've found since that time is
8 there are very definite fracture trends that we haven't
9 been able to figure out, and what that does is provide an
10 increased element of risk that we visited with our manage-
11 ment about, believe me, in great length, about how can you
12 use closeology, and we've come to the conclusion that you
13 really can't. In some particular areas of the basin we're
14 drilling 3 or 4 wells at a time to try to figure out what's
15 going on and then going back and trying to infill, and
16 we've found gaps; we've found good wells right next to bad
17 wells; there are some on this map.

18 The Atlantic "D" Com 201 on Exhibit
19 Nine, which is located in Section 36 of 31 and 10, is sur-
20 rounded by four wells of which I believe we fractured all
21 four, three or four of them, and we've gotten in the rates
22 of 3-to-400 MCF a day. Well, all of those wells were TSTM
23 prior to that treatment, and the three wells down here in
24 the northwest quarter of 30 and 9 and the northeast quarter
25 of 30 and 10 are TSTM; some of those with frac treatments,

1 some of those without.

2 So what we've found is there are very
3 definite areas of the basin that we're going to have to
4 come up with something different to try to get acceptable
5 rates.

6 Q Are you able to quantify any of the 11
7 pooling cases that are the subject of our current discus-
8 sion in such a way that you can take certain ones of those
9 and say they're less risky than others, so that you could
10 recommend a reduction from the maximum 200 percent penalty?

11 A No, I think there's some minor differ-
12 ences in perhaps the components of the risk associated with
13 the (unclear) but in each area, for example, in 32-10,
14 you've got some pretty good production around the Cedar
15 Hill Area. There are some significant problems in complet-
16 ing those wells due to high, high water rates, and we're
17 not convinced yet we've got commercial wells up there. We
18 originally targeted these wells way back in April as being
19 pretty prospective because of the thickness and also be-
20 cause of the closeness of Cedar Hill, but I think Amoco has
21 experienced problems in recovering wells out there and
22 we're not convinced of the best way to complete them to
23 achieve an economic well.

24 So again we'd have a geologic success
25 but maybe an economic failure.

1 Q Have any of the parties to be pooled had
2 engineers or other individuals contact you to complain
3 about the risk factor penalty that was being proposed?

4 A No.

5 Q The Commission establishes spacing on
6 ordinary governmental divisions when it can, 40's, 80's,
7 160's, 320's, 640's.

8 A That's right.

9 Q And your personally, and your company,
10 has been an advocate for some time of 320-acre spacing for
11 the basin-wide Fruitland Coal, is that not true?

12 A Yes, sir, that's correct.

13 Q Is that position you have taken person-
14 ally, and your company taken, on the issue of spacing in-
15 consistent with or contrary to your position on the risk
16 factor for these wells?

17 A No, I don't believe so. I think if you
18 could drill a successful well, you may have a low rate well
19 with a 50-year life; you may have to go back in and drill a
20 second well on the 320 to, you know, to optimize getting
21 the recoverable reserves out, but I think from the work
22 that I have done and the work that I have been exposed to
23 in the reservoir group at Meridian, I'm convinced that 320-
24 acre spacing is the best place to start for developing this
25 pool.

1 MR. STOGNER: Are there any
2 other questions of this witness?

3 MR. KELLAHIN: No, sir.

4 MR. STOGNER: He may be ex-
5 cused.

6 MR. KELLAHIN: That concludes
7 our presentation on these cases, Mr. Stogner.

8 MR. STOGNER: Are there any
9 other questions of any of these witnesses?

10 Is there anything more to
11 consider in any of these cases?

12 In that case, Case Number
13 9535, 9536, 9537, 9538, 9539, 9540, 9541, 9542 -- strike
14 that.

15 Case 9535 will be continued to
16 the Examiner's hearing scheduled for December 21st, 1988,
17 and at that time we'll consider additional testimony on a
18 nonstandard location and any other -- and the notification
19 --

20 MR. KELLAHIN: Yes, sir.

21 MR. STOGNER: -- is that
22 right, Mr. Kellahin?

23 MR. KELLAHIN: Yes, sir.

24 MR. STOGNER: Case Number 9536
25 will also be continued to the Examiner's hearing scheduled

1 for December 21st, 1988.

2 At this time Case Number 9537,
3 9538, 9539, 9540, 9541 and 9542 will be take under advise-
4 ment.

Case Number 9545 will be con-
5 tinued to the Examiner's hearing scheduled for December
6 21st, 1988, at which time we will consider any additional
7 notice, is that correct?

8 MR. KELLAHIN: Yes, sir.

9 MR. STOGNER: Okay, Case Num-
10 ber 9546 and 9547 will be taken under advisement. Does
11 that -- did I get everything clear, Mr. Kellahin?

12 MR. KELLAHIN: You did.

13 MR. STOGNER: Okay.

14
15 (Hearing concluded.)
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C E R T I F I C A T E

I, SALLY W. BOYD, C. S. R. DO HEREBY
CERTIFY that the foregoing Transcript of Hearing before the
Oil Conservation Division (Commission) was reported by me;
that the said transcript is a full, true and correct record
of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case Nos. 9535 through 9547
heard by me on 22 November 1985.

W. J. P. [Signature], Examiner
Oil Conservation Division