

SEP 16 1996

Order No 112-125

1



01146730

ORIGINAL

1 BEFORE THE OIL AND GAS CONSERVATION COMMISSION
2 OF THE STATE OF COLORADO

3
4 IN THE MATTER OF THE PROMULGATION) CAUSE NO. 112
5 AND ESTABLISHMENT OF FIELD RULES TO) Docket 9-7-4
6 GOVERN OPERATIONS IN THE IGNACIO-)
7 BLANCO FIELD, LA PLATA COUNTY,)
8 COLORADO)

9 PURSUANT TO NOTICE to all parties in
10 interest, the above-entitled matter came duly on for
11 hearing at the offices of the Colorado Oil and Gas
12 Conservation Commission, Room 801, 1120 Lincoln
13 Street, Denver, Colorado 80203, on Thursday,
14 September 5, 1996.

15 BEFORE:

16 CHAIRMAN ALLAN HEINLE
17 COMMISSIONER BRUCE JOHNSON
18 COMMISSIONER CLAUDIA REBNE
19 COMMISSIONER MIKE MATHESON

20 Richard Griebeling, Director
21 Lori Coulter, Assistant Attorney General
22 Patricia Beaver, Manager of Commissioner
23 Affairs
24 Michael J. Wozniak representing Cedar
25 Ridge, LLC
Carleton L. Ekberg representing
Burlington Resources Oil & Gas Company

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P R O C E E D I N G S

CHAIRMAN HEINLE: All right. I guess we can move on with the second item on the agenda which is Cause Number 112, Docket 9-7-4, Ignacio-Blanco Field, La Plata County. The applicant is Cedar Ridge through their attorney Michael Wozniak, and this is a request to allow the recompletion of the Ute number 1-7 well to the Fruitland Coal.

MR. WOZNIAK: May I ask a question first before we get going?

CHAIRMAN HEINLE: Certainly.

MR. WOZNIAK: I did hear earlier that we were going to quit at five o'clock, no uncertain terms. I know we are going to lose Commissioner MacMillan, but I'm expecting that our presentation will probably get completed by that time, but that we will not get the respondent's or intervener's or protestant's responses done.

In that event, that will necessitate a continuance to next month, and I'm a little concerned about the timing now because it is, in essence, 3:30, and we haven't had a break for the reporter.

I'm concerned. We would rather not put on a case and then wait six weeks and to have you

1 hear the rebuttal and basically have to redo it.

2 So I would ask for a couple of minutes
3 to confer with the tribe on their availability and
4 also with my client, because I'm concerned that,
5 first of all, there will only be four commissioners
6 -- who have worked well beyond the call of duty
7 this week -- and also our situation is such that I
8 don't think everything will get done. I'm a little
9 worried about the time.

10 CHAIRMAN HEINLE: We will take about a
11 five-minute break.

12 MR. WOZNIAK: Thank you, Mr. Chairman.
13 (Whereupon, a recess was taken.)

14 CHAIRMAN HEINLE: Why don't we go ahead
15 and get back on the record.

16 MR. WOZNIAK: On behalf of Cedar Ridge,
17 we will do our best to get done in very, very short
18 time. To the extent that the commission can indulge
19 us with taking notice of the prior testimony and to
20 the extent that Mr. Ekberg can agree to that, we
21 will give it a shot.

22 What I hope we can do is avoid going
23 through the first half of it and then getting it
24 continued for the second half. We will do our best.

25 CHAIRMAN HEINLE: Great. I guess we

1 don't have to go through opening statements.

2 MR. WOZNIAK: I have one statement for
3 the four of you to consider, and that is the only
4 difference in this application and the other one is
5 it is also a completion of an existing Mesaverde
6 well in the Fruitland Coal. But this, in our view,
7 does have incremental production that will be
8 captured that otherwise would be wasted without the
9 application being granted, so that is the
10 difference, and we don't have as big of an issue on
11 correlative rights. So subject to those two
12 differences, that is the only statement we have.

13 CHAIRMAN HEINLE: Mr. Ekberg, do you
14 have anything else?

15 MR. EKBERG: Nothing.

16 CHAIRMAN HEINLE: I assume the same sets
17 of witnesses?

18 MR. WOZNIAK: Same sets of witnesses and
19 same sets of exhibits with very modest changes.

20 At this point I would like the
21 commission to consider taking judicial notice of the
22 exhibits. The first three exhibits in the booklet
23 are Exhibits A, B, and C which are exactly the same
24 on the land exhibits and which were discussed in the
25 prior application.

1 And so I would request that the
2 testimony from Mr. Logan would be the same and that
3 we dispense with the land testimony, if that is
4 okay, to the extent a question comes up we can go
5 through it.

6 Similarly, I believe that the testimony
7 of Mr. Matthews would be substantially the same with
8 respect to Exhibits D through K in the booklet on
9 the geologic testimony. I also believe that the
10 testimony of Mr. Thibodeaux this morning was very
11 similar to that of Mr. Matthews.

12 And I guess I would also request the
13 commission entertain to take judicial notice of the
14 continuousness of the coals in the area. And if we
15 can get that agreement on the record between the
16 commission and Mr. Ekberg, subject to the fact that
17 of course you have the right to put on anything that
18 you need to as rebuttal, it would seem that those
19 two things would drastically streamline the
20 presentation.

21 CHAIRMAN HEINLE: Mr. Ekberg, is that
22 agreeable to you?

23 MR. EKBERG: That is agreeable to us.

24 CHAIRMAN HEINLE: Commissioners.

25 MR. WOZNIAK: That would be great. I

1 would then ask Mr. Logan to come up and sit down and
2 address --

3 TERRY LOGAN,
4 having been previously sworn, testified as follows:

5 EXAMINATION

6 BY MR. WOZNIAK:

7 Q All right. Mr. Logan, you are still
8 under oath as you were yesterday and today. I will
9 ask you if you first could generally describe what
10 Cedar Ridge is requesting in this application?

11 A What we are requesting in this
12 application is to recomplete the Southern Ute 1-7
13 well which is located in the southeast quarter of
14 Section 7 of -- let's see, 32 north, range 11 west.

15 Q Okay. If I could direct your attention
16 to Exhibit L in your packet and ask you what is
17 depicted on that exhibit?

18 A This exhibit is very similar to the one
19 that was previously presented. It is a production
20 location map that basically shows that as you move
21 south the reservoir quality gets poorer based upon
22 production.

23 Q Does Cedar Ridge own the 5-7 well in the
24 same spacing unit as the 1-7?

25 A Yes. We own both wells in Section 7,

1 the well to the north.

2 Q What is the production from those wells?

3 A From the 5-7 about 1.7 million a day and
4 from the 6-7 about 700 Mcf per day.

5 Q What is the cumulative production?

6 A About one-fourth of a Bcf.

7 Q Comparing that to the first application
8 you talked about, those are significant decreases;
9 is that correct?

10 A Much less than what was in Section 5.

11 Q What do you attribute that drastic
12 reduction in production?

13 A As you move south you have poor
14 reservoir quality where the coal seams geologically
15 are continuous but the reservoir quality is poor.

16 Q If you look at Exhibit M, I will ask you
17 if that is the same exhibit, albeit numbered
18 differently. Is that what was in the prior
19 application?

20 A That is the production, best production,
21 gas production, 1996, Exhibit M. This shows that
22 same basic trend. As you move south you get poor
23 reservoir quality, not only with our wells but with
24 other operators in the area.

25 Q What does this show you with respect to

1 the 1-7 well?

2 A That it's production potential is about
3 one-fourth to one-fifth of what the previous
4 application 2-5 is.

5 Q Then similarly Exhibit N is a very
6 similar map with respect to pressures that was shown
7 -- I guess this is with respect to cumulative
8 production. Excuse me. That was indicated in the
9 prior application.

10 A Yes, that is. Again, cumulative gas
11 production showing that same basic trend as you move
12 south, poor reservoir quality.

13 Q When you get down to the 1-7 and it's
14 offset by the 6-7 and then the 8-2 well, what do the
15 little numbers underneath that represent?

16 A The cumulative gas production in a
17 million cubic feet of gas.

18 Q So, again, those are about what,
19 one-quarter of the area in Section 5 we spoke about
20 earlier?

21 A That's correct.

22 Q Exhibit O and Exhibit P are both bubble
23 maps. I guess those are the exact same maps we
24 testified about this morning. Could you describe
25 what is shown on those two exhibits?

1 A Again, it is just a different way to
2 present cumulative gas production with the size of
3 bubbles. The smaller the size of the bubble, the
4 smaller the amount of gas that has been recovered.
5 You can see the location of the 1-7 well.

6 Q So that the totals again are just
7 underneath the four adjacent wells, I guess; is that
8 right?

9 A Yes, in the bubble.

10 Q Then water production is on Exhibit P?

11 A Cumulative water production is on
12 Exhibit P. I might point out that 4-13 is, again, a
13 bust in the data. That should be 665 versus 885.

14 Q All right. Your pressure exhibit that
15 we spent a lot of time on in the 2-5 hearing is
16 Exhibit Q. Could you describe what it shows with
17 respect to the 1-7 well?

18 A We do not have nearly the pressure
19 depletion in the 1-7. As we see up in Section 5, we
20 are at a gradient -- estimated about 0.35 psi
21 pressure gradient from actual measured data in the
22 two offset wells, the 6-7 and the 8-2.

23 Q So the pressure has stayed higher in
24 that area; is that right?

25 A There is not as much pressure depletion;

1 that's correct.

2 Q If you then compare your Exhibit R -- I
3 know you testified about it this morning -- please
4 describe how it relates to the 1-7 well.

5 A Exhibit R is gas in-place, water
6 in-place, and reservoir pressure gradients. Again,
7 I'm comparing Section 7 -- which is 5-7 and 6-7
8 wells -- to the Walker Flats or the Red Willow
9 operated wells, 8-2 and 18-1. It shows a lot less
10 gas recovery, 2 to 3 percent, and that the pressure
11 reductions are about the same in all four of those
12 wells, and so we don't see any anomalies there like
13 we have seen in the 5-5.

14 Q So that the drainage issue there isn't
15 the same that we talked about this morning?

16 A That's correct.

17 Q We will breeze right through to
18 Exhibit S which takes us over to economics and ask
19 if you can briefly tell us if there are any
20 differences on Exhibit S, on your economic
21 assumptions as you made this morning on the 2-5?

22 A The only differences on these economic
23 assumptions is that they are particular to the 1-7
24 application. And what we looked at was the entire
25 Section 7, comparing two wells in Section 7 versus

1 three wells in Section 7.

2 The other thing that is different is
3 this area has lower reservoir quality based on
4 production and cum gas, and we used roughly a
5 permeability of 25 md. Other costs are actual costs
6 that we experience out there, and we are using the
7 economics as in the previous hearing.

8 Q Based upon those assumptions, you
9 prepared Exhibit T and Exhibit U. Please take us
10 through Exhibit T, first of all.

11 A Exhibit T is along the vertical axis
12 value in thousands of dollars in gas recovery and in
13 millions of cubic feet of gas and time along the
14 horizontal axis. The upper graph is gas recovery
15 which shows you recover an additional one-half Bcf
16 of gas with three wells versus two -- tax credits of
17 \$1.3 million -- and cash. There was a lot of
18 discussion earlier that, well, this wouldn't make
19 sense without tax credits. Well, a couple hundred
20 thousand dollars in value is still worth a lot of
21 money. That still has a significant value, and we
22 sure look at it without the tax credits of the
23 incremental value.

24 Q And then Exhibit U on your chart?

25 A Exhibit U is the minimum incremental

1 value. Let me point out that I ran all of these at
2 \$1.30 gas price without escalation, same format as
3 before. The first box is working interest owner
4 value. What that shows is roughly one-half Bcf of
5 incremental gas recovery of 470 Mcf; life shortened
6 by about 12 years, 30 versus 20 years; cash flow,
7 just the cash value, not including tax credits, of
8 \$197,000.

9 Q That is a discounted number?

10 A Discounted at ten percent. Tax credits
11 of an additional \$1.3 million.

12 Q If I understand correctly, in 13 years
13 you are recovering an additional one-half Bcf of gas
14 and make additional cash at present value of nearly
15 200,000 plus tax credits of an additional 1.349,
16 correct?

17 A That's correct.

18 Q Go on.

19 A We also have an incremental net present
20 value to the State of Colorado due to the severance
21 taxes of \$24,000 and La Plata County ad valorem
22 taxes of \$51,000 also discounted at ten percent.

23 The mineral owner value is the bottom
24 box which is the Southern Ute Indian Tribe which has
25 an incremental value of \$59,000 for tax credits,

1 royalty cash flow of \$117,000, and tax credit
2 monetization -- which is misspelled by the way. I
3 apologize for that -- it should be \$308,000 for a
4 total value of \$484,000 to the mineral interest.

5 Q Is that the present value of the
6 additional value of the Southern Ute Indian Tribe?

7 A Discounted ten percent; that's correct.

8 Q So in your estimation then, is this an
9 economic proposal?

10 A Absolutely, without the tax credits.

11 Q All right. Your next exhibit is the
12 wellbore diagram. Will your recompletion technique
13 be the same as the first well?

14 A Yes, it is.

15 Q The next three sets of exhibits -- 1a,
16 1b, and 1c are evidence of the noneconomic nature of
17 this proposed well.

18 Do you have an opinion as to whether the
19 well is economic from the point of view of the tribe
20 who wrote this letter?

21 A I have an opinion that -- I agree with
22 Red Willow that this well is uneconomic, the
23 Mesaverde well.

24 Q The current production is how much as of
25 August '95?

1 A Approximately 15 Mcfd.

2 Q Do you have any ideas as to whether the
3 production has declined since that time?

4 A It has declined since that time.

5 Q In your view does the recompletion
6 reduce the potential of waste by utilizing the
7 existing wellbore?

8 A Yes.

9 Q As I understand it, you would also plug
10 and abandon the Mesaverde as you testified about
11 this morning?

12 A Yes.

13 Q Do you have any concern that granting
14 this application could reduce the quantity of gas
15 ultimately recovered?

16 A No. In fact, it will increase it.

17 Q You believe that this application
18 promotes the economic and efficient development of
19 the reservoir?

20 A Yes, I do.

21 Q So that in your view there will be
22 reserves that remain in the ground that are not
23 recovered in the event that this second well is not
24 permitted in the 320-acre spacing unit?

25 A That's correct.

1 Q So 320 acres is not smaller than the
2 maximum area that can be economically and
3 efficiently drained by two wells in this case?

4 A That's correct.

5 Q Then if I recall correctly,
6 Mr. Baughman's exhibit on the gas seep is included
7 again. Do you have any additional comments other
8 than what you and he testified about this morning
9 and yesterday?

10 A Really no additional comments to what we
11 have previously gone over.

12 Q So there is a well between the proposed
13 1-7 and the outcrop currently existing which is the
14 6-7 well; is that right?

15 A That's correct.

16 Q And there is also the 5-13 pressure
17 monitoring well?

18 A That's correct. And I guess one
19 additional comment is we have not identified any gas
20 seepage in Section 12 east of our 6-7 well.

21 Q Finally your Exhibit 3 was the same
22 exhibit where the BLM had requested throughout your
23 year and a half of discussions with them and the
24 tribe that you pursue this application before the
25 commission?

1 A That's correct.

2 Q Are you aware of the full field Emerald
3 reservoir simulation that is ongoing?

4 A Yes, as I previously testified.

5 Q Does the fact that that study is going
6 on have any affect on your application?

7 A No.

8 Q How many similarly situated wellbores
9 does Cedar Ridge own or have rights to that are in
10 this situation where you have an existing well that
11 you might want to recomplete in the Fruitland Coal?

12 A Just the two that we have proposed.
13 This is it; no additional wells.

14 Q So you believe that the granting of this
15 application will also prevent the drilling of an
16 unnecessary or additional well because you were able
17 to use this wellbore?

18 A That's correct.

19 Q Frankly we breezed over the surface
20 impacts, but I believe your testimony earlier was
21 there was an adjacent road, correct?

22 A That's correct.

23 Q No additional pipelines necessary?

24 A That's right. Exhibit 3 is a
25 topographic map that shows where the existing road

1 and the pipelines are located on that road.

2 Q Were the engineering and economic
3 exhibits we discussed prepared under your direction
4 and control?

5 A Yes, they were.

6 MR. WOZNIAK: I would request that they
7 be accepted.

8 CHAIRMAN HEINLE: Any objections?

9 MR. EKBERG: No.

10 CHAIRMAN HEINLE: So accepted.

11 MR. WOZNIAK: That concludes my
12 questions for this witness at this time.

13 CHAIRMAN HEINLE: Mr. Ekberg.

14 MR. EKBERG: I have questions.

15 EXAMINATION

16 BY MR. EKBERG:

17 Q You have testified that the quality of
18 the reservoir in Section 7 is different than it is
19 north of that. Can you explain what is different
20 about it?

21 A I believe the permeability is poorer as
22 you move south.

23 Q Would there be a reason for that, a
24 geologic reason?

25 A I believe that it has to do -- there

1 could be a number of reasons why the permeability is
2 poor. It could be that the cleats are not as open.
3 It could be that the cleats are partially filled.
4 It could be that the reservoir quality is less, that
5 the quality of the coal is less. There is a number
6 of reasons why it could be, and it is not
7 inconsistent with the trend that is seen not only
8 here but all the way across the San Juan Basin.

9 Q I believe that Burlington Resources has
10 a well in Section 10 which is a fairly prolific
11 well. Are you aware of that?

12 MR. WOZNIAK: This is township 32 north,
13 range 11 west, the southwest quarter of Section 10,
14 identified on Exhibit 2 as Southern Ute FC 32-11,
15 10-3.

16 THE WITNESS: What was the question?

17 BY MR. EKBERG:

18 Q Are you aware of the production from
19 that well?

20 A No, I'm not.

21 Q Is there any reason why -- that well is
22 as far south as the well in Section 7; is that
23 correct?

24 A Yes, it is.

25 Q Is there any reason why that you would

1 see that the reservoir quality in those two wells
2 would be different?

3 A Yes.

4 Q Can you explain what that is?

5 A The orientation of the high permeability
6 fairway in the San Juan Basin is oriented
7 northeast/southwest. Any production maps that have
8 been put out show that trend very distinctly.

9 As you move south out of that fairway
10 the reservoir quality gets poor. So when you are at
11 the west end of that fairway where we are in
12 Section 7, you only have to move south a little bit
13 and you are outside of the fairway. As you move to
14 the east where the fairway drops to the southeast,
15 you only have to drop a little bit to again be out
16 of the fairway.

17 So it is not correct making a geographic
18 correlation along the township line that everything
19 is south of a certain line because the orientation
20 of the fairway is northeast/southwest --
21 northwest/southeast.

22 MR. EKBERG: May I have one moment,
23 please?

24 CHAIRMAN HEINLE: You bet.

25 MR. EKBERG: Okay.

1 CHAIRMAN HEINLE: Are you ready?

2 MR. EKBERG: I'm ready.

3 BY MR. EKBERG:

4 Q I believe you stated that the two wells
5 will efficiently and economically drain 320 acres.

6 A Here? In this location?

7 Q Yes. Did you say that?

8 A Three wells would be better.

9 Q Did you say two wells will efficiently
10 and economically drain that 320 acres? Was that
11 your testimony?

12 A 320 acres, yes.

13 Q Did you give any data that would support
14 that conclusion?

15 A The economics, yes.

16 Q Did you give any kind of data with
17 respect to the characteristics of the coal that
18 would suggest that other than the economics?

19 A No.

20 Q Have you done an investigation in that
21 regard?

22 A Of the coal quality in that area? Yes.

23 Q Do you have any data that you could
24 present which would suggest why that is the case?

25 A Not with me, no.

1 MR. EKBERG: No further questions.

2 FURTHER EXAMINATION

3 BY MR. WOZNIAK:

4 Q Isn't part of your conclusion in that
5 regard based upon the actual production in Section 7
6 from those wells, not just on some sort of coal
7 quality basis?

8 A That's correct.

9 Q So if I understand your testimony
10 correctly -- and I know we went fairly quickly --
11 for example, on Exhibit O, where it shows
12 production, bubble production, it says there are
13 drastic differences in the capabilities of the wells
14 in Section 7 versus those in Section 5 even more, or
15 any farther north or in the fairway; is that right?

16 A That's correct.

17 Q So that your testimony that the two
18 wells can economically and efficiently drain the
19 east half of Section 7 is based not only on the poor
20 production, but also on the reservoir
21 characteristics in that area?

22 A That's correct.

23 Q Was it also based upon the pressure
24 information that you provided in the pressure graph
25 map earlier?

1 A Yes, it was. I confirmed it as well.

2 Q So, again, your testimony is that if
3 that second well is not permitted to be drilled,
4 that reserves will be left in the ground; is that
5 right?

6 A That's correct.

7 MR. WOZNIAK: We have nothing further
8 for this witness.

9 CHAIRMAN HEINLE: Questions from the
10 commissioners? Commissioner Matheson.

11 COMMISSIONER MATHESON: The 1-7, did you
12 examine the bond logs on that well?

13 THE WITNESS: Yes, I have. It has the
14 same good bond all the way to the surface, both the
15 2-5 and the 1-7. If they are not here for the
16 commission, we will surely get them here.

17 COMMISSIONER MATHESON: I understand
18 that this is a different situation here with
19 permeability, and I think that is what we are going
20 to be talking about here.

21 Have you performed any calculations on
22 the radius and performance of the wells within the
23 section that can help us understand what reserves
24 are going to be left in place if you don't have this
25 well? You are telling us that reserves are going to

1 be left in place, but have you performed any
2 calculations to show us this?

3 CHAIRMAN HEINLE: Let me piggyback
4 something on that. Have you made any calculations
5 of expected ultimate recovery for the offsetting
6 wells and then determine what the recovery factor
7 would be based on 160-acre drainage or 320 for
8 drainage?

9 THE WITNESS: On Exhibit R, start with
10 the gas in-place. We made those calculations. We
11 used those numbers to run into a coal gas
12 simulator. The coal gas simulator we bonded it to
13 that section, 640 acres. I don't have it listed
14 here what we believe the ultimate gas recovery would
15 be. It's approximately 65 percent of the gas
16 in-place, and with the additional well we get
17 approximately 3 to 5 percent additional recovery of
18 the gas -- of the recoverable gas. I don't recall
19 exactly what the number is, but approximately 65 to
20 70 percent of the gas in-place is the ultimate
21 recovery, and we will get approximately 3 to 5
22 percent more gas with the third well.

23 CHAIRMAN HEINLE: In other words, when
24 you ran the simulator I assume that you could tell
25 from the simulator the results -- what the expected

1 recovery was for each of the two wells in that
2 640-acre section?

3 THE WITNESS: Yes.

4 CHAIRMAN HEINLE: If you knew what the
5 ultimate recovery was going to be for the 5-7 well,
6 could you have taken that number and divided it by
7 the gas in-place shown on your Exhibit R to come up
8 with a recovery factor for the 320 acres?

9 THE WITNESS: Uh-huh, which is about 65
10 to 70 percent of the gas in-place.

11 CHAIRMAN HEINLE: Is it equal between
12 the two wells? Was the recovery the same?

13 THE WITNESS: The percentage was about
14 the same on the recovery between each two. The
15 number -- because there is different gas in-place
16 for the two -- was different, but the ultimate
17 recovery is between 65 to 70 percent for one well
18 for 320-acre spacing.

19 CHAIRMAN HEINLE: But if the recovery is
20 that high for one well in 320-acre spacing, wouldn't
21 it say that for 160 acres it would be in excess of
22 100 percent -- which I guess is what you are
23 saying. You are draining beyond 160 acres.

24 THE WITNESS: What we were looking at
25 was three wells per 640, and we got the incremental



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1 and we added two or three -- it might have been as
2 much as four percent. I forget the exact number,
3 but it was in that range, less than five percent.

4 CHAIRMAN HEINLE: So the incremental
5 recovery from the third well is --

6 THE WITNESS: It is about one half of a
7 Bcf of gas -- is what it is. I don't know if that
8 answered your question.

9 COMMISSIONER MATHESON: It helps, I
10 guess, a little bit with the recovery question. But
11 I'm not sure I'm squared away yet when you talked
12 about the overlap of the influence between the
13 wells, whether or not, in fact, you are going to be
14 looking at the interferences not only with the
15 drilling spacing unit but the adjacent one to the
16 west or the south radius of influence. Let's call
17 it that.

18 THE WITNESS: We haven't run the
19 calculations on how far out we would see it and how
20 long it would take to see that. With these lower
21 permeabilities, we believe if there is drainage
22 outside of the 640 there could be, but I believe it
23 would be very minor if it does occur at these low
24 permeabilities.

25 COMMISSIONER MATHESON: For any future

1 applications, please bring us that information.

2 THE WITNESS: Yes, absolutely. The
3 adjacent owners here are Red Willow -- the adjacent
4 owner is Red Willow, one.

5 COMMISSIONER MATHESON: Right.

6 CHAIRMAN HEINLE: Any other questions
7 from the commissioners?

8 MS. COULTER: With respect to adjacent
9 owners, that is also continuous fracs around Section
10 7?

11 THE WITNESS: Yes. Exhibit B is the
12 lace map that shows the acreage position around this
13 application which is Red Willow and Cedar Ridge.

14 MS. COULTER: Being somewhat ignorant of
15 some of the symbols used on your map, I notice on
16 Exhibit 2 that the Cedar Ridge well, 5-7, in the
17 northeast quarter of Section 7, isn't colored in as
18 are the other wells. What is the difference there?

19 THE WITNESS: Excuse me, which --

20 MS. COULTER: Section 7, Exhibit 2.

21 THE WITNESS: Exhibit 2 is the tribe --
22 prepared by Dick Baughman of the Southern Ute
23 Tribe. What they do is they take the data as they
24 get it, put it in here, and I think it is one of
25 those that needs to be colored in.

1 MS. COULTER: Okay. Thank you.

2 CHAIRMAN HEINLE: Let me ask you one
3 more question -- and you may have already answered
4 this. But given that the incremental recovery is
5 approximately one-half Bcf based on your
6 calculations, would it be economical to drill a new
7 well to recover reserves in that range?

8 MR. WOZNIAK: Do you mean versus a
9 recomplete?

10 CHAIRMAN HEINLE: The question is
11 whether it would be economical to drill a well that
12 had an expected ultimate recovery of one-half Bcf.

13 THE WITNESS: In this case, yes. And
14 the reason I say that is that the number we used for
15 the recompletion was \$200,000 to recomplete it. To
16 drill a well there, as Burlington pointed out,
17 approximately \$400,000.

18 If you look at the net present value of
19 this, it has at least \$200,000 discounted at ten
20 percent of this cash flow of roughly \$200,000, plus
21 the tax credits, and that is at a flat gas price of
22 \$1.30 which we believe is very conservative. So the
23 answer to your question is yes.

24 CHAIRMAN HEINLE: It would indicate a
25 positive cash flow whether it reached the hurdle

1 rate -- and by "hurdle rate" I mean the required
2 rate of return for a company to do that, you are
3 assuming it is ten percent. If the company's
4 internal rate of return was 15 or 20 percent --

5 THE WITNESS: It may not, correct.

6 CHAIRMAN HEINLE: Director Griebeling.

7 DIRECTOR GRIEBLING: Is that taking into
8 account that drilling a new well would not provide
9 tax credit qualifications?

10 THE WITNESS: That's right, the new one
11 would not.

12 DIRECTOR GRIEBLING: So a new well would
13 not be economic to recover one-half Bcf?

14 THE WITNESS: It would be close. It may
15 not be economic.

16 CHAIRMAN HEINLE: Again, it goes back to
17 the definition of economics and what internal rate
18 of return you would need for that well.

19 THE WITNESS: It would be very close.
20 The recompletion is a much more efficient use of the
21 well.

22 CHAIRMAN HEINLE: Thank you. Are there
23 any other questions?

24 MR. WOZNIAK: I believe we already had
25 the exhibits admitted. The only other exhibit was

1 the letter from the Southern Ute Tribe.

2 Mr. Zahradnik is here, and I believe his
3 testimony would be the same. So unless someone has
4 other questions as to why the tribe is in favor of
5 this application, I won't call him back up here.

6 CHAIRMAN HEINLE: Commissioner Matheson.

7 COMMISSIONER MATHESON: I have a
8 question.

9 MR. WOZNIAK: Okay. We will have him
10 come up here.

11 BOB ZAHRADNIK,
12 having been previously sworn, testified as follows:

13 COMMISSIONER MATHESON: This is a
14 precedent question.

15 Here we are looking at a different
16 situation: a lower permeability well depleted the
17 Mesaverde reserves, a recompletion of that Mesaverde
18 well to recapture proven reserves.

19 Why do you think we will be seeing a
20 number of different applications in the future for
21 exactly this? Why would this not be precedent as
22 the tribe has told us in the letter?

23 THE WITNESS: There seems to be a lot of
24 confusion about how the MOU with the state and the
25 BLM and the tribe actually works. What the state

1 agreed to back in '91 -- and we spent a long time
2 negotiating this to reach an equitable agreement --
3 was that if it involves tribal land it wouldn't come
4 before this board unless the BLM approved it first
5 and said, Okay, let's go ahead and have this stay
6 here. So the BLM pretty much has to sign off on it
7 and evaluate it before it comes to you.

8 Our MOU with the BLM says they are not
9 going to do that until they get a signoff from the
10 tribe. And, in fact, a lot more people have
11 expressed interest in doing this over the past
12 years, and the tribe and/or the BLM have turned them
13 down. So I want you to understand that the tribe
14 and the BLM are both active with restraint on these
15 issues.

16 The BLM specifically will not allow
17 widespread infill development to occur unless there
18 is substantially increased NEPA documentation -- you
19 know what NEPA is better than I do. But because it
20 is federal land it has to comply with the National
21 Environmental Policy Act. And going out and
22 drilling 100 wells exceeds basically what the BLM
23 interprets the current environmental assessment to
24 allow.

25 COMMISSIONER MATHESON: Recompleting or

1 drilling a bunch of new wells?

2 THE WITNESS: Either way. Drilling a
3 bunch of new wells it clearly would, but any major
4 change in field-wide development -- based on my
5 discussions with the BLM and the regional solicitor
6 for the BLM -- basically is going to require the
7 need for additional documentation which is going to
8 take another one to two years to complete.

9 COMMISSIONER MATHESON: With significant
10 public input and so on and so forth?

11 THE WITNESS: Right. We are in the
12 process of looking at that and evaluating what the
13 reasonably foreseeable development is for the next
14 twenty years out there, and we see a number of these
15 over a long period of time will be recompleted.

16 COMMISSIONER MATHESON: I guess my
17 question was one of process, and I think you
18 answered it.

19 THE WITNESS: As I stated in my letter,
20 these things have been going through -- counting
21 these applications -- at the rate of one and a half
22 per year. It has not been a stampede. We don't
23 anticipate a stampede, and we won't allow a
24 stampede.

25 COMMISSIONER MATHESON: If activity

1 picks up, it is going to have to go through other
2 processes.

3 THE WITNESS: It has to go through
4 several steps. First, the tribe has to decide that
5 it is in its best interest -- excuse me, the BLM has
6 to decide that it is in compliance with NEPA, then
7 it comes before this board if it involves any tribal
8 land, and so it is not something that can be done
9 offhand.

10 COMMISSIONER MATHESON: That is exactly
11 what I was looking for. Thank you.

12 MR. WOZNIAK: In evidence of that,
13 Commissioner Matheson, is that we did start this
14 with the tribe a year and a half ago, and to get
15 these two and to get to this hearing it took us that
16 long to go through all the steps that they needed to
17 go through, their internal review and the BLM
18 review, and the BLM deciding whether it was in the
19 best interest of the tribe, and to satisfy their
20 trust responsibility until they finally decided that
21 we should pursue this matter.

22 I think that there is that level where
23 you know you are a year and a half away and
24 hopefully not that long every time, but there are a
25 lot of steps that have to happen.

1 COMMISSIONER MATHESON: I have faith in
2 the tribe. Don't mistake me there. I do see this
3 as a different application as the one previously,
4 and I was wondering about these process questions
5 and that was about it.

6 THE WITNESS: This one took a year and a
7 half because we had serious concerns about the
8 seep. And over that year and a half as we developed
9 a lot of data and had a much better understanding of
10 it, we felt comfortable with it and we thought it
11 was time to bring it forward.

12 CHAIRMAN HEINLE: Mr. Ekberg, do you
13 have any questions?

14 MR. EKBERG: No questions.

15 MR. WOZNIAK: That concludes our
16 presentation.

17 CHAIRMAN HEINLE: Mr. Ekberg.

18 MR. EKBERG: One minute, please.

19 MS. COULTER: Let me make a quick
20 statement to the interested parties here for
21 Burlington. There has already been testimony that
22 has indicated there is no contiguous track outside
23 of seven that contains an ownership interest for
24 Burlington. So I'm not exactly sure what interest
25 the parties' status is at this point in time, but

1 I'm deferring to Mr. Wozniak's sense of not pursuing
2 that matter further, but I would just like to state
3 that for the record.

4 MR. WOZNIAK: I think, Commissioner
5 Coulter, that was reinforced. If I understood the
6 testimony correctly, they believe that the spacing
7 unit is this way so that the contiguous units are
8 followed by Red Willow and the tribe, not Meridian.
9 But again, we don't have any objection to them
10 making any statements.

11 COMMISSIONER MATHESON: So if it is a
12 lay-down --

13 MR. WOZNIAK: That is what we had
14 thought it was, and then we were corrected during
15 the 2-5 application that they viewed it as a
16 stand-up. And that being the case, we don't believe
17 they are an interested party but that they are
18 clearly an intervenor. They can present whatever
19 they like, as far as I'm concerned.

20 MR. EKBERG: We would like to do as
21 Mr. Wozniak with respect to the exhibits that were
22 presented in the earlier docket, at least with
23 respect to the geological matters. I'm not sure,
24 but did your proposal cover our --

25 MR. WOZNIAK: My feeling was that

1 everything that you presented with respect to land
2 and geology, we were willing to allow judicial
3 notice to be taken such that none of that had to be
4 restated subject to anything that you felt you
5 needed to clarify. That was fine with us; same with
6 engineering, frankly.

7 MR. EKBERG: I would like to call our
8 engineering witness back.

9 CHAIRMAN HEINLE: Go ahead.

10 MR. EKBERG: Our Exhibits 14, 15, 16,
11 17, 18, and 19 apply equally to both dockets. Would
12 you like us to go through them again?

13 CHAIRMAN HEINLE: I don't think we need
14 to go through them again. You can refer to them as
15 we go. I think it is still all fresh in our
16 memories.

17 JACK V. KEAN,
18 having been previously sworn, testified as follows:

19 EXAMINATION

20 BY MR. EKBERG:

21 Q You have heard Mr. Savage [sic] testify
22 that he believes that the reservoir quality in
23 Section 7 is different from that to the north?
24 Based on the evidence that you submitted before, do
25 you have an opinion as to that statement?

1 A Based on the evidence I have submitted
2 before, I don't see a substantial reason why
3 Section 7 should be any different from that of
4 Section 5.

5 Q Mr. Logan did testify that the
6 production in the two wells in Section 7, 6-7 and
7 5-7, were substantially lower than the wells in
8 Section 5. Is there any reason you can think of
9 that might be the cause for that?

10 A Yes. There are two possible reasons why
11 the production in Section 7 may be lower than areas
12 around.

13 If I may step up here again -- you know
14 how I like to draw up here. We haven't seen any
15 evidence regarding the reservoir. It is very
16 possible that the reason that these wells are less
17 productive than offsets is because they have a low
18 C, a low performance coefficient. A possible reason
19 that they have could have a low performance
20 coefficient is initial completion.

21 Burlington Resources has an active --
22 what we call recavitation program. Throughout the
23 entire prolific coal we have identified wells, in
24 our mind, that this number seems to be low relative
25 to offsets.

1 So what we do is we go in and cavitate
2 these open-hole completions. And what we have
3 actually seen, if I plot C -- somewhat like the
4 example plot we saw before. If I plot C versus
5 time, as I pointed out before, it increases with
6 time.

7 What we have seen upon recavitation is a
8 distinct increase in the C factor. We have seen
9 generally about a two- to three-fold increase, so
10 that tells us that the initial completion was
11 inadequate.

12 For example, we recavitated two wells,
13 the Southern Ute 300 and 301, back in 1995. What we
14 saw before we recompleted those wells was that they
15 weren't very prolific compared to their offsets.
16 They were making only around a million a day or so.
17 We recavitated them, installed compression, measured
18 an increase in C and saw rates go up to six million
19 a day, and at the same time we saw our drainage area
20 expand.

21 So it is very possible that one
22 explanation for the lack of productivity of the
23 wells in Section 7 is because this performance
24 coefficient is low because of the initial
25 completion. As you know, one of those wells was

1 cased and frac'd.

2 Another explanation might be, that was
3 not addressed, water loading. These wells generally
4 make quite a bit of water up in this area, and if
5 that water is not properly removed from the
6 wellbore, then that water loading problem will be
7 evidenced by suppressed production rates.

8 Q Mr. Logan has made much of the fact that
9 he considers the wells in Section 7 to be out of the
10 fairway. Are there examples that you are aware of
11 where you have gone in and recavitated wells outside
12 of the referenced fairway and had a similar result?

13 A Yes. Along the same strike that we have
14 just referred to, we have recavitated a number of
15 wells earlier on this year in the Cedar Hill area.
16 Now, that is significantly far away, but it is a
17 long strike. And what we have seen is basically
18 what I have described before. We have recavitated
19 page com 100 and took its rates from about 2 million
20 a day up to 8 million a day.

21 We also recavitated some wells -- the
22 Vanderslice 100 and 101 -- which we thought actually
23 had two problems in that case. We thought we had a
24 low performance coefficient and we also had evidence
25 of loading.

1 We recavitated those wells and installed
2 compression and got the rates up to 6 million a day
3 also. So we do have examples along the same strike
4 of initial completion as being inadequate and then
5 having the ability to go and remedy that initial
6 completion.

7 Q Do you have an opinion based upon the
8 testimony that has been presented here today as to
9 what will be efficiently and economically drained by
10 one well -- whether the 320 acres will be
11 efficiently economically drained by one well in
12 Section 7?

13 A It is possible with a successful
14 completion that one well could drain 320 acres,
15 particularly in light of the geologic continuity of
16 the coal and particularly in light of -- we haven't
17 seen any reservoir data to say otherwise.

18 Q Would Burlington attempt alternative
19 measures before drilling another well in Section 7?

20 A Certainly it would be less expensive to
21 try to recavitate the one well that is open-hole, or
22 it would be possible to sidetrack perhaps the well
23 that is cased and frac'd, and I say "perhaps"
24 because I don't know the casing size on it. It may
25 actually not be possible to sidetrack.

1 But we did go ahead and look at
2 economics -- and I will refer you to Exhibit 20B.
3 The first thing I will point out to you, there is a
4 typo. If you look in the shaded area -- I will give
5 you a moment to find that particular exhibit. Are
6 you all there? If you look at the shaded area where
7 it says Total Section, under the Recomplete it has
8 Section 5; that, of course, should be Section 7; and
9 under the New Drill, Section 4 is listed, and that,
10 of course, should be Section 8.

11 MR. WOZNIAK: Could I ask you to repeat
12 that? Is this 7 and 8?

13 THE WITNESS: Yes, sir, that is
14 correct.

15 MR. WOZNIAK: Thank you.

16 THE WITNESS: If the additional
17 completion is similar to the existing completion --
18 I modeled these as an acceleration. They do have
19 low recovery factors.

20 The first thing I want to talk about is
21 down at the last row, Reserve Adds, and for the
22 recomplete I indicated that Section 7 would lose
23 one-half Bcf of Mesaverde reserves.

24 The production data that I have which
25 Cedar Ridge has reported -- oh, yes, if you refer to

1 Exhibit 21B -- the last production data for the
2 Southern Ute 1-7 available to me -- indicates that
3 the well was producing between 40 and 50 Mcf a day.
4 And based on its previous production history, if we
5 decline that out that is about one-half Bcf of the
6 remaining reserves -- actually under one-half Bcf.

7 A quick calculation shows that this well
8 is economic. If we take 40 Mcf a day, multiply it
9 by -- we will say 30 days in a month -- that gives
10 us our monthly gas production. If we multiply that
11 number by the cost we get for the gas and then we
12 subtract off the previous numbers that I mentioned,
13 the 390 direct cost and also the operating costs
14 which we decided were around 150, that well makes
15 revenue. It makes nearly a thousand dollars [sic] a
16 month of just pure revenue.

17 So based on the production data that I
18 have available to myself and based on Burlington
19 Resources' costs, this well is economic. If we
20 leave this well right now, we will leave behind a
21 little bit less than one-half Bcf.

22 So if I could refer your attention back
23 to Exhibit 20B, once again the economics were run
24 based on acceleration, and also they were run as an
25 entire section. So we looked at the wells, all

1 three wells in Section 7, the two existing wells
2 plus the initial recomplete, and we also looked at a
3 potential two existing wells in Section 8 and a
4 potential new drill because we will have a similar
5 situation to that that we have existing in Section
6 32 and Section 5. We will have two Fruitland Coal
7 completions offset by only one in Section 8.

8 Once again, the investment that
9 Burlington Resources would use for a recomplete is
10 about \$118,000; for a new drill, once again,
11 \$415,000. Initial uplift is probably going to be
12 lower in this area because of our initial completion
13 on the recomplete.

14 As you can see the result is a positive
15 net present value in Section 7; however, there is a
16 negative impact for drilling a new drill in
17 Section 8. Both of those numbers exclude tax
18 credits, benefit or deficit.

19 And so because of the loss of reserves
20 in the Mesaverde and because of the negative
21 economics, in particular to Section 8, there really
22 isn't a lot of economic incentive to pursue this
23 particular recomplete.

24 BY MR. EKBERG:

25 Q Just to summarize your opinion then, is

1 it your opinion that abandoning the well in the
2 Mesaverde formation, based on the information
3 available to you today, that gas may be left in
4 place?

5 A Gas may, indeed, be left in place.

6 Q Is it your opinion that it would be
7 uneconomic to drill a new well in an offsetting
8 section to Section 7 if it were to become
9 necessary?

10 A It is my opinion that if a new drill
11 were necessary, it would indeed be uneconomic in
12 Section 8.

13 MR. EKBERG: No further questions.

14 CHAIRMAN HEINLE: Mr. Wozniak.

15 EXAMINATION

16 BY MR. WOZNIAK:

17 Q Mr. Kean, I have a couple of questions.
18 I'm sure you have heard Mr. Logan testify that the
19 well is actually producing 10 to 15 Mcf a day, and I
20 know you have other data, but there seems to be a
21 factual question there as to the volume.

22 I guess you would acknowledge that at 10
23 to 15 Mcf a day -- assuming the well were producing
24 that -- that it would be less of an economic
25 venture?

1 A I would agree that if the production
2 were 10 to 15 Mcf a day, it would be marginal.

3 Q I understand that that well is still
4 operated by the Southern Ute Indian Tribe. I think
5 you said that that data was published from Cedar
6 Ridge, but I think that data must have come from the
7 tribe; is that correct?

8 A This is the reported data that I have
9 access to.

10 Q Okay. Another question that I guess I
11 just had some interest in is that it sounded to me
12 like you acknowledged that there was a fairway in
13 this area of the San Juan Basin. Would that be a
14 fair statement?

15 A The fairway is a fairly generic term
16 that is used to decide or used to include wells that
17 are considered prolific.

18 Q Did you also testify that wells could be
19 prolific outside of the fairway? Is that a fair
20 characterization of what you suggested?

21 A I don't recall making that particular
22 statement. If we agree that the definition of the
23 fairway includes prolific wells, then there wouldn't
24 be a prolific well outside of the fairway.

25 Q Where do you think the fairway is

1 located in this area? Could you describe it for
2 us?

3 A Let me check a map.

4 Q Why don't you look at one of your
5 exhibits that might have a lot plotted on it or any
6 of them.

7 A Generally the fairway is considered to
8 be an area that is overpressured that produces a lot
9 of water. And in the sections that I'm referring to
10 in Exhibit B, the map that you have, it would likely
11 include the area that includes the 1-7, the 5-7, the
12 2-5, and so on.

13 Q So you think the 18-1 is in the
14 fairway?

15 A Where is the 18-1?

16 Q That would be in the north half,
17 northeast quarter of Section 18.

18 A I haven't looked specifically at that
19 well, and I'm not familiar with its production
20 characteristics.

21 Q Would it be safe to say that the fairway
22 then is not a defined geographic area, it is more of
23 a general description of whether a well is within
24 what some people would call a significant production
25 area or not?

1 A So you are saying that the fairway as a
2 term is fairly generic?

3 Q Correct.

4 A I would agree with that statement.

5 Q I guess I didn't understand your -- the
6 economics again. On the recompleted in Section 7
7 that you have, this is based again on Burlington's
8 cost as you described?

9 A It is indeed.

10 Q And the new drill for Section 8 --
11 forgive me for standing up -- that is assuming that
12 you were to drill a new well in Section 8?

13 A Assuming a new drill in the northwest
14 section of 8.

15 Q Over here (indicating)?

16 A Northwest.

17 Q Oh, there it is. When they get them
18 shaded, these colors -- so if I understand your
19 acreage position, does Burlington own interests in
20 Section 8 there, the northwest quarter?

21 A Burlington does not, however, the
22 interest owner may be compelled to drill a new drill
23 there. Subsequent to that, our interest is in the
24 southeast quarter. We may also be compelled to
25 drill a new drill.

1 Q I see. Okay. In the last area that I
2 have written down -- I guess I just didn't
3 understand from your testimony -- was that you saw
4 no -- if I understood correctly -- no substantial
5 reason why Section 7 didn't produce the same as
6 Section 5; is that correct?

7 A I have not seen substantial evidence --
8 can you rephrase that question?

9 Q I think you said there was no
10 substantial evidence as to why Section 7 didn't
11 produce the same as Section 5.

12 A Very definitely there is a difference in
13 production between Section 7 and between Section 5,
14 and that production difference can be attributed to
15 a number of factors.

16 Q So you do recognize that there is a
17 difference in the actual data of the production
18 between Section 7 and Section 5 -- at least today?

19 A Yes.

20 Q Did you disagree with Mr. Logan's
21 conclusions based upon his testimony that the 1-7
22 well will generate additional reserves in the range
23 of one-half Bcf?

24 A I ran the economics and the economic
25 assumptions were based on acceleration.

1 Q So that means you do disagree with his
2 conclusion?

3 A His conclusion that --

4 Q That drilling the additional well, the
5 1-7, recompleting the 1-7, will generate an
6 additional one-half Bcf of reserves that would
7 otherwise be lost?

8 A In the Fruitland Coal formation --

9 Q Correct, just in the Fruitland Coal.

10 A Based on the previous testimony that I
11 have given, and that is that the coal is continuous,
12 based on the fact that we have substantiated
13 320-acre spacing, and based upon the fact that I
14 haven't seen anything significant to tell me that
15 the reservoir is fundamentally different in this
16 area, any type of work we do is going to be
17 acceleration.

18 Q Do you believe the permeabilities are
19 the same in Section 5 -- and let's say in Section
20 7?

21 A I have not calculated any permeability
22 data in either section.

23 MR. WOZNIAK: I have no further
24 questions, Mr. Chairman. Thank you.

25 CHAIRMAN HEINLE: I have a question. If

1 permeabilities were different between Section 5 and
2 Section 7, could not that account for the production
3 difference? I'm asking you to make an assumption.

4 THE WITNESS: Yes. If the permeability
5 was different between the two sections, that would
6 definitely play a role in the productivity of the
7 wells. As I stated before, the C coefficient is in
8 part, a function of permeability. So if we lower
9 the permeability, we lower the C.

10 CHAIRMAN HEINLE: Thank you.
11 Commissioner Rebne.

12 COMMISSIONER REBNE: You provided in the
13 last application testimony about some pressure data
14 you have farther to the east in two wells. And my
15 question is, can you provide us with some cumulative
16 production information surrounding those wells where
17 you have pressure information and some connectivity
18 information?

19 THE WITNESS: Madam Commissioner, I
20 don't have any of the cum data with me.

21 COMMISSIONER REBNE: Can you venture at
22 a range, one-half B, 2 B's, 10 B's?

23 THE WITNESS: Between 2 and 10 Bcf.

24 COMMISSIONER REBNE: But significantly
25 higher than the 0.4, 0.5 Bcf that we have seen --



1 THE WITNESS: Yes.

2 COMMISSIONER REBNE: Perhaps on the
3 order at least twice, three times?

4 THE WITNESS: Yes.

5 CHAIRMAN HEINLE: Commissioner Matheson.

6 COMMISSIONER MATHESON: I was going to
7 interject following Commissioner Heinle's question,
8 the permeabilities of the gas in-place are higher in
9 Section 5 and 4, and in the previous matter we
10 discussed how there would be a concern for the
11 correlative rights issue. If you step down between
12 7 and 8 -- in fact, the permeabilities are lower --
13 that concern would also be lower, would it not?

14 THE WITNESS: The correlative rights?

15 COMMISSIONER MATHESON: Yes.

16 THE WITNESS: Yes.

17 COMMISSIONER MATHESON: You don't have
18 any data that you feel you can speak to relative to
19 the permeability differences between Sections 7 and
20 5 at this point?

21 THE WITNESS: No, I have not. I haven't
22 even done any C coefficient calculations on the
23 wells in Section 7 or 5.

24 COMMISSIONER MATHESON: Thanks.

25 CHAIRMAN HEINLE: Any other questions?

1 Director Griebeling.

2 DIRECTOR GRIEBLING: I would like to
3 follow up a little more on the potential well in
4 Section 8 that may be compelled to be drilled as a
5 result of the recompletion of the 1-7.

6 As I understand it, you projected it to
7 be drilled in the northwest quarter somewhere around
8 -- is that the northwest quarter?

9 THE WITNESS: That is a potential
10 location.

11 DIRECTOR GRIEBLING: What would that
12 accomplish, that well, given that the 5-7, the 6-5,
13 and the 8-1, and the 8-2 are basically offsets to
14 that location and currently producing, as I
15 understand it, from the Fruitland? Could you
16 explain what that would accomplish?

17 THE WITNESS: As we pointed out in the
18 testimony regarding the case in Section 5, a
19 pressure sink will be created in that section due
20 to --

21 DIRECTOR GRIEBLING: In Section 8.

22 THE WITNESS: I think we can address a
23 potential location at this point for two reasons:
24 the first, of course, would be due to increased
25 recovery to the north in Section 5 because of the

1 increased density. We are going to increase the
2 rate of withdrawal out of this section. Gas where
3 it is permeable, no matter if it is 10 md or 100 md,
4 will migrate to a lower pressure. So there is
5 potential from here and also by -- the same
6 rationale goes in Section 7. By increasing the
7 number of straws in this area, we can potentially
8 create a pressure sink which will cause migration of
9 gas out of Section 8.

10 DIRECTOR GRIEBLING: I was curious
11 mainly with respect to the application our
12 commission is currently hearing which is in
13 Section 7.

14 Without such a well, would it be fair to
15 say that the reserves that are in here would be
16 drained by these surrounding wells?

17 THE WITNESS: Without a well right here,
18 the gas in this quarter section will be drained by
19 offsets.

20 DIRECTOR GRIEBLING: And your
21 calculations indicate that such a well would be
22 uneconomic?

23 THE WITNESS: That is correct.

24 DIRECTOR GRIEBLING: Thanks.

25 CHAIRMAN HEINLE: Any other questions?

1 Any redirect?

2 MR. WOZNIAK: No cross.

3 CHAIRMAN HEINLE: Mr. Ekberg.

4 MR. EKBERG: Maybe just one other
5 question.

6 CHAIRMAN HEINLE: Go ahead.

7 FURTHER EXAMINATION

8 BY MR. EKBERG:

9 Q Although permeability can be different,
10 was it your testimony that there could be other
11 factors that could result in a lower productivity of
12 these wells? Mechanical, for example?

13 A There are mechanical factors that may
14 cause lower productivity.

15 Q So just because these wells don't
16 produce as much, we can't necessarily assume that it
17 is simply permeability?

18 A That is absolutely correct.

19 MR. EKBERG: Nothing further.

20 CHAIRMAN HEINLE: I believe you are
21 finished. Any other witnesses, Mr. Ekberg?

22 MR. EKBERG: No, sir.

23 CHAIRMAN HEINLE: Closing remarks.

24 MR. WOZNIAK: Sure. Thank you,
25 Mr. Chairman.

1 We believe that the evidence has shown
2 that the coal characteristics, in essence, the
3 reservoir characteristics, as you move south in this
4 area are weaker, and that is shown basically by the
5 less production that has come from the two existing
6 wells.

7 As a matter of fact, the 5-7, Mr. Logan
8 testified this morning, is an open-hole cavitation,
9 the same completion as was used in Section 5, so we
10 don't believe that is the cause. We believe this is
11 the edge of where -- conventionally people call the
12 fairway. So we believe the testimony is that the
13 reservoir characteristics are less prolific as you
14 move south.

15 We think that this application has shown
16 that waste is going to be prevented because we are
17 going to be recovering incremental reserves. We
18 utilize current wellbore, so there is no waste
19 there. Again, we recover the additional ad valorem
20 and severance to the tribe and to the state.

21 We think that the testimony shown in
22 this case is that leaving the well as it is without
23 recompleting this will cause waste. Mr. Logan
24 testified that it is 10 to 15 Mcf a day currently
25 and declining. We understand that published data

1 disagrees, perhaps not of such a recent vintage, but
2 we think that the tribe and Cedar Ridge's testimony
3 is probably more accurate based upon real-time
4 data.

5 So we think that this application does
6 promote the economic and efficient development of
7 this reservoir. We think that in this specific 320
8 that two wells are needed and that it does recover
9 an additional one-half Bcf of reserves.

10 And I know this area, which is not the
11 area I'm used to in the State of Colorado. People
12 throw around one-half Bcf like it is nothing. But
13 in other parts of our state, we probably drill a
14 number of wells to get one-half Bcf recovery. So I
15 think that there is some real recovery here, and it
16 is incremental recovery, and without it it would be
17 a waste.

18 I will make the same comments -- and
19 won't repeat them -- about the public health and
20 safety with the gas seep that we talked about this
21 morning

22 . Again, minimize surface impacts because of the
23 existing wellbore, exiting roads.

24 As with the prior application, the tribe
25 is in favor of this. This means an additional one

1 half million dollars to the tribe. It provides them
2 additional reservoir data, and I think they are in
3 favor of it for those reasons. Again, it is not a
4 complete downspacing, but on a case-by-case basis
5 these are going to be entertained.

6 And finally on the issue of correlative
7 rights, I again state that if Meridian's testimony
8 this morning was that they are actually in the east
9 half of Section 8, then they don't have an
10 adjoining, cornering, or contiguous section. So
11 their comments have to be based upon the public
12 interest. And to my knowledge Pinon and Kukui,
13 which are tribal entities, plus an entity that
14 didn't protest or withdrew theirs, have no
15 objections to the 1-7 well. So those parties
16 towards whom this well is moving have consented
17 under Rule 11260 -- excuse me, Rule 3, and those are
18 the parties that have the right to object.

19 So we feel that for the prevention of
20 waste and for the recovery of incremental reserves
21 that this application should be granted, and that
22 the 320 acres does support two wells in this area.
23 That is all we have on this matter.

24 CHAIRMAN HEINLE: Mr. Ekberg.

25 MR. EKBERG: Once again we have to start

1 with the premise that the spacing that has been
2 established is one well per 320 acres, and it is the
3 burden of the applicant to prove that it is
4 different. They came in here and said that the
5 wells are low producers, and that the economics
6 suggest that another well should be drilled, but as
7 anything to else they did not bring that data with
8 them.

9 So I'm submitting here that they have
10 not met their burden of proof to show why, what the
11 nature of the reservoir is that is different that
12 would justify changing the spacing of this
13 particular location.

14 In the prior hearing the commission
15 looked for alternatives. We have suggested a couple
16 here, that maybe an additional isn't necessary.

17 Mr. Wozniak said that one of these wells
18 is an open-hole cavitation. And Meridian has found
19 that the initial open-hole completion may not be
20 adequate, but then additional rework and cavitation
21 may have to be done to increase the production. So
22 there may be alternatives before an additional well
23 can be allowed here.

24 Based on the data that was available to
25 us, we do believe that there may be gas in the

1 Mesaverde reservoir which is left in place if this
2 completion is allowed -- although we understand that
3 there is some dispute as to that -- but we needed to
4 go where it was available to us when we prepared our
5 testimony. That data showed to us that there would
6 be gas that is left in place if the Mesaverde is
7 plugged at this time, gas that could be recovered
8 economically, at least from Burlington Resources'
9 perspective.

10 So we think that the applicant has not
11 met its burden of proof to allow an additional well,
12 that allowing an additional well now could result in
13 the drilling of unnecessary wells, and that there
14 may be other ways to complete this reservoir before
15 downspacing. Once you allow this well to be
16 drilled, you can't undue it.

17 I know the commission has been very
18 cautious about downspacing in the past. The
19 evidence has to be fairly conclusive, in my
20 opinion. We also believe that there will be some
21 waste as a result of abandoning the well before its
22 time. Those are my comments.

23 CHAIRMAN HEINLE: Thank you.

24 Mr. Wozniak, any rebuttal closing?

25 MR. WOZNIAK: No. Thank you,

1 Mr. Chairman.

2 CHAIRMAN HEINLE: Any comment BLM wishes
3 to make?

4 MS. THOMPSON: Not at this time. Thank
5 you.

6 CHAIRMAN HEINLE: This closes our
7 record. Certainly the commissioners are going to
8 ask questions as we go into deliberations, if they
9 have any. Commissioner Rebne.

10 COMMISSIONER REBNE: Kind of a
11 clarification question. We talked a little bit
12 about the monitor well, the 4-6 in Section 6, and it
13 was my recollection that there really hasn't been
14 any pressure drawdown since that well has been
15 monitored.

16 MR. LOGAN: There has been maybe 2 psi
17 in the past year, but essentially no drawdown;
18 that's correct. We have a pressure transducer that
19 records it minute by minute, day by day.

20 CHAIRMAN HEINLE: Commissioner Matheson.

21 COMMISSIONER MATHESON: Sure.

22 Mr. Logan, did Cedar Ridge drill the wells in
23 Section 6 and 7 and I guess the next one to the
24 south, Section 13?

25 MR. LOGAN: No. Cedar Ridge did not

1 drill those. We acquired these wells approximately
2 two years ago. They were drilled either by Amax or
3 by Ladd, depending on the vintage of the wells.

4 COMMISSIONER MATHESON: I guess what I'm
5 trying to get at is whether the mechanical questions
6 that Burlington brought up are a concern when we had
7 the discussion on Section 5.

8 Do you have any indications from your
9 reworking or operations of a completion problem or
10 scaling or some darn thing or another that could
11 cause a decrease in production in those sections?

12 MR. LOGAN: No. Concerning the 5-7
13 well, that well was a GRI cooperative research
14 well. The completion was performed by me. I
15 completed it as part of the GRI cooperative research
16 project -- and that has an open-hole cavity
17 completion.

18 As soon as we finished with the 5-7, we
19 moved up to the 5-5 well and started it almost the
20 very next day, drilled and cavity completed using
21 the exact same technique they used on the 5-7.

22 So as far as the completion technique,
23 they are identical; the 5-5 and the 5-7. They were
24 Amax operated wells, but they were GRI cooperative
25 research wells where I was employed by Resource

1 Enterprises on a consulting basis.

2 COMMISSIONER MATHESON: At the 6-7 and
3 the wells in Section 13 and Section 6, do you have
4 any knowledge on those?

5 MR. LOGAN: Yes, I do. The 5-13 is also
6 an open-hole cavity completion well completed
7 exactly the same way as the 5-7. That well was
8 drilled and completed within a few months of the
9 5-7.

10 The 5-13, as you recall, has been
11 shut-in for two years primarily because it hasn't
12 produced more than 15 or 20 Mcfd with exactly the
13 same completion technique -- the 6-7? The 6-7 was
14 drilled and completed by Amax Oil & Gas, and I
15 designed the hydraulic fracture stimulation on
16 that. I tried to convince them to do an open-hole
17 cavity. I designed and implemented the hydraulic
18 stimulation on that which is almost identical to the
19 fracture stimulation that was placed in the 3-6 well
20 in Section 6.

21 COMMISSIONER MATHESON: Do you think
22 that the fracture completion which you are planning
23 for the 1-7 will be as effective as a cavity
24 completion?

25 MR. LOGAN: As a cavity completion in

1 the 1-7?

2 COMMISSIONER MATHESON: I know you can't
3 do one.

4 MR. LOGAN: There, I think, a cavity
5 completion would probably be a little better, not
6 tenfold magnitude that you see in other areas, but a
7 little better.

8 One thing in our studies in this area,
9 this is one unique area where hydraulic fracture
10 stimulations are not that significantly bad compared
11 to an open-hole cavity completion.

12 COMMISSIONER MATHESON: Is that because
13 of the reservoir itself?

14 MR. LOGAN: It has to do with something
15 in the reservoir -- the hydraulic fracture
16 stimulations do not appear to be damaging the
17 reservoir as significantly as it does in other areas
18 because the coal is such a -- you have to remember
19 coal is an extremely complex rock. It is not just a
20 big thick nice black thing. It is probably the most
21 complex reservoir that I have ever looked at.

22 COMMISSIONER MATHESON: That helps me
23 out. I guess I'm still a little perturbed that we
24 don't have some drainage calculations here. I'm not
25 a petroleum engineer. I guess I would like to ask

1 you, Chairman Heinle and Director Griebeling, how
2 disturbed you guys are?

3 CHAIRMAN HEINLE: I will answer it. I
4 think that should be part of the data set. You are
5 absolutely right. We need to see expected ultimate
6 recoveries by wells, recovery factors based on the
7 different acres of drainage, and it is sort of
8 bred-and-butter-type stuff. I certainly don't want
9 to see another situation like this where we don't
10 have it.

11 I think the data, though, that has been
12 presented, in looking at the bubble maps and the
13 level of production of these wells as a pressure
14 data, all convince me that an additional well here
15 is going to drain additional reserves.

16 But I concur with what you said in
17 regard to the data, the presentation of the data.
18 The data is available; it just hasn't been
19 presented. Commissioner Johnson.

20 COMMISSIONER JOHNSON: I would like to
21 follow up on the pressure data in Section 13, the
22 observed well, 5-13. Has the pressure changed much,
23 or is it similar to the Section 6 observation 4-6?

24 MR. LOGAN: The pressure in the 5-13, we
25 have only monitored that for the last several months

1 and, in fact, pressure has increased slightly in the
2 last little bit. It is overpressured and it really
3 hasn't changed much, and any change that I have seen
4 has actually increased a little bit.

5 COMMISSIONER JOHNSON: How much is "a
6 little bit"?

7 MR. LOGAN: It has increased from some
8 of the first measurements from approximately 0.044
9 psi per foot to about 0.45, a little bit, third or
10 fourth decimal point out -- a few psi is what it
11 would be.

12 CHAIRMAN HEINLE: Any other questions?

13 I guess what I would like to do is sort
14 of go around to each one of the commissioners and
15 see where they are at. Commissioner Rebne.

16 COMMISSIONER REBNE: I guess first of
17 all, like Allan and Mike have said, it would be
18 helpful to have some additional data to make our
19 conclusions. But I think, in general, this area
20 looks a little bit different from the last
21 application.

22 The reservoir rock does seem to be
23 different, perhaps lower permeability. And when you
24 compare the cumulative production in other areas,
25 such as the example Meridian provided in the last

1 application, it does appears to me that this is
2 different, and we probably have a situation where
3 the drainage area is a lot smaller.

4 So the applicant has testified that
5 additional reserves will be recovered. They can be
6 economically recovered. The protection of the
7 correlative rights is not a big concern of mine in
8 this area, so I support approving the application.

9 CHAIRMAN HEINLE: Commissioner Johnson.

10 COMMISSIONER JOHNSON: I guess I see
11 that the cumulative or the correlative rights issue
12 is not an issue in this case. I guess it is the
13 number one criteria where I'm looking at, as far as
14 making my way to a decision; number 2, it would
15 appear -- and this is purely intuitive, I guess --
16 that an additional well is going to pick up
17 production that they wouldn't otherwise have. A
18 statement was made there, but no hard facts stated
19 that, that I recall.

20 Due to little or no change in the
21 pressure situation, I think, in my mind, it diffuses
22 the opponent's or the intervenor's concern about
23 pressure moving out, and so I guess that is where
24 I'm at.

25 CHAIRMAN HEINLE: Commissioner Matheson.

1 COMMISSIONER MATHESON: I concur with
2 Commissioner Rebne's comments.

3 CHAIRMAN HEINLE: I also concur with
4 Commissioner Rebne's comments. I don't have
5 anything to add to it.

6 I think at this point the chair will
7 entertain a motion that the application be approved.

8 COMMISSIONER REBNE: So moved.

9 COMMISSIONER JOHNSON: I second it.

10 CHAIRMAN HEINLE: All in favor respond
11 by saying aye.

12 COMMISSIONER REBNE: Aye.

13 CHAIRMAN HEINLE: Opposed? The
14 commission passes.

15 MR. ONSAGER: Paul Onsager with BLM.
16 For the record, we would like to state that the BLM
17 concurs with the commission's decisions on these
18 matters. Under the MOU, BLM does not have to issue
19 a separate decision, and we would not anticipate
20 doing so at this time.

21 CHAIRMAN HEINLE: Could you restate your
22 name. I don't think the reporter got that.

23 MR. ONSAGER: I'm sorry. Paul Onsager,
24 O-n-s-a-g-e-r.

25 MR. ZAHRADNIK: On the behalf of the

1 tribe, I would really like to thank you guys for
2 hearing this and going the extra mile and staying
3 the extra day and getting this done. Thanks for
4 your cooperation.

5 MS. COULTER: Thank you for putting up
6 with our schedule.

7 MR. WOZNIAK: Thanks for staying late.
8 We really appreciate that -- especially the extra
9 day.

10 MR. EKBERG: Burlington Resources
11 seconds that. Thanks to the commission.

12 CHAIRMAN HEINLE: You had a question as
13 to who seconded it?

14 MS. BEAVER: I got the answer.

15 CHAIRMAN HEINLE: We have some clean-up
16 work at this point.

17 MS. BEAVER: We have the rest of the
18 agenda.

19 CHAIRMAN HEINLE: I have to read some
20 things into the record. We still have some business
21 to conduct here.

22 Can you hear me? It would be helpful if
23 you would keep the conversation to a mild roar.

24 MS. BEAVER: Maybe the consent agenda
25 down at the very bottom.

1 CHAIRMAN HEINLE: Do you want to do that
2 first?

3 MS. BEAVER: Why don't we.

4 CHAIRMAN HEINLE: If that is okay with
5 everybody.

6 MS. BEAVER: If you would rather not --

7 CHAIRMAN HEINLE: I guess the chair
8 would entertain a motion that the consent agenda be
9 approved.

10 COMMISSIONER JOHNSON: I so move.

11 MS. BEAVER: Before we do that, I do
12 want to make one amendment to the recommendation or
13 maybe just a note on the Hayes Oil & Gas
14 application. This goes back to a concern that we
15 have raised previously about our interested party
16 rule. There is a concern that Rule 508A, which is
17 the interested party rule that affects applications
18 with respect to previously spaced lands, that the
19 parties outside of the drilling unit are not given
20 notice by an amendment to the drilling application.
21 And this particular application is for a well that
22 has actually been drilled already, but for a well
23 that is encroaching on a section to the north, by
24 reading this rule you don't notify that party.

25 And just so you will know, we have asked

1 the applicant if the party to the north, which is
2 Sampson Oil, is aware that the well has been drilled
3 and is in concurrence with it, even though they
4 didn't receive notice of the application, and the
5 answer that we have gotten is yes.

6 We asked if we could get a letter from
7 Sampson just to quell that concern even though as
8 the rule has been interpreted it is not required.
9 We haven't gotten that letter.

10 The engineer that testified in the
11 adversary didn't think there would be a problem --
12 and we haven't been able to get in touch with him.
13 I know he is going out of town, and I'm afraid that
14 with the holiday we didn't get the letter. So we
15 still recommend approval of the application.

16 But in the event that Sampson is
17 adamantly opposed at all to the well, we would want
18 to come back to the commission. And I put it that
19 way because the well has been drilled. The well was
20 drilled. It was approved. As the notice states and
21 as the hearing officer report states, the location
22 of the well was incorrect. It was approved as a
23 permittable location, but it was unfortunately in
24 error and drilled -- where it was drilled was not in
25 compliance with the order, and that is why we have

1 to have this application in the first place.

2 So hopefully I haven't thoroughly
3 confused you. But what I would like you to do is
4 approve it unless Sampson has a problem, and at that
5 point we will have to come back and address it.

6 CHAIRMAN HEINLE: Sure. That is fine.
7 We can amend the motion to approve the consent
8 agenda session such that if opposition is raised by
9 Sampson on that particular cause number, that it
10 would be, in effect, removed from the consent agenda
11 and it would come before the commission.

12 MS. BEAVER: Right. And since it will
13 take me a couple of weeks to get the order prepared
14 anyway, I expect to have something -- either a piece
15 of paper from Sampson or have had a conversation
16 with Sampson beforehand.

17 COMMISSIONER MATHESON: Given that this
18 is an approval basically and we will be waiting upon
19 all parties' concurrence, should we seek -- instead
20 of their nonobjection, perhaps we should require
21 their approval. I think you stated it differently.

22 COMMISSIONER REBNE: What was their
23 response if they have no objection?

24 COMMISSIONER MATHESON: Basically.

25 COMMISSIONER REBNE: A response, whether

1 it be written or telephone.

2 MS. BEAVER: I might point out that the
3 well was drilled eleven months ago this coming
4 Monday. Sampson, I'm sure, is aware of the well's
5 existence, and to the best of my knowledge we have
6 not heard anything from them in opposition of the
7 well. The well is shut-in. It hasn't produced, but
8 it was drilled October 9 of '95.

9 CHAIRMAN HEINLE: But obviously you had
10 enough concern that you wanted some written response
11 from Sampson. I agree with Commissioner Matheson.
12 All we need to do is make the amendment to the
13 motion such that it is approved after the written
14 response is received from Sampson; is that right?

15 COMMISSIONER MATHESON: Yes. In
16 previous matters we heard that people right next
17 door to each other weren't paying attention. I
18 think we need something explicit.

19 MS. BEAVER: I think I misunderstood
20 you. I guess I thought you were wanting to wait
21 perhaps until October to approve it.

22 COMMISSIONER MATHESON: I'm just saying
23 just as you say, but we want something explicit.

24 MS. BEAVER: That's great.

25 CHAIRMAN HEINLE: So how do we --

1 DIRECTOR GRIEBLING: Why don't we
2 recommend that the commission approve the order
3 contingent upon receipt of --

4 MS. BEAVER: -- a waiver from Sampson?

5 DIRECTOR GRIEBLING: -- documentation
6 indicating that Sampson is not going to oppose the
7 application?

8 COMMISSIONER MATHESON: That would be
9 fine.

10 CHAIRMAN HEINLE: Is that agreeable to
11 all the commissioners?

12 COMMISSIONER MATHESON: Yes, it is, to
13 all of them.

14 CHAIRMAN HEINLE: Is there anything else
15 on the consent agenda that we need to address at
16 this time?

17 MS. BEAVER: Not specifically. The
18 other two matters are as stands.

19 CHAIRMAN HEINLE: So we have a motion on
20 the table with an amendment to approve the consent
21 agenda and we need a second to the --

22 COMMISSIONER REBNE: Second.

23 CHAIRMAN HEINLE: We have a second. Any
24 further discussion? All in favor respond by saying
25 aye. Opposed? Consent agenda is approved. Rich.

1 DIRECTOR GRIEBLING: While we are on the
2 topic of 508A and -D, we would appreciate direction
3 from the commission in future evidence hearings to
4 interpret -- there is an apparent conflict and we
5 would like to interpret 508D as applying -- I think
6 we will have to bring corrections or adjustments to
7 508A before you finish your rule-making efforts.

8 It would be helpful for us to be able to
9 require that notice be provided to owners which well
10 is being approved before anything -- and it would
11 seem to indicate that only those within a drilling
12 unit would need to be noticed. We can't believe
13 that is your intent.

14 CHAIRMAN HEINLE: It appears to be in
15 conflict. 508A and 508D are in conflict. It does
16 appear to be a problem. Patricia.

17 MS. BEAVER: I might point out that
18 there are some orders, especially the newer orders,
19 that when they give -- as you heard Mr. Wozniak
20 mention, 11260, Rule 3 -- there are some orders that
21 specifically tell operators who they have to notify
22 when they are seeking an exception. So I think in
23 that case we need to follow whatever rule would be
24 in that order and maybe --

25 DIRECTOR GRIEBLING: In the absence of

1 specific guidance within the order we apply D?

2 MS. BEAVER: Can we do that?

3 CHAIRMAN HEINLE: Again, I think it is
4 going to require some cleanup of the rule --

5 MS. BEAVER: We are already working on
6 that.

7 CHAIRMAN HEINLE: In the interim, I
8 guess, is what you are --

9 DIRECTOR GRIEBLING: Yes. That way, if
10 we get an applicant, we would like to be able to
11 apply that. And if they don't agree with it, then
12 we will say you are welcome to appeal to the
13 commission.

14 CHAIRMAN HEINLE: Fine. I think that is
15 fine. An error on that side provides more
16 protection. Anything else before I read these final
17 matters into the record?

18 The following items have been withdrawn
19 and the hearing is canceled: Cause Number 112,
20 Docket Number 9-7-1, Ignacio-Blanco Field, La Plata
21 County. The applicant was Markwest Coalseam
22 Development Company. This was a request to pool all
23 interests in the south half of Section 36, township
24 33 north, range 7 west, of the Fruitland Coal.

25 The second item is Cause Number 112,

1 Docket Number 9-7-2, Ignacio-Blanco Field, La Plata
2 County. The applicant was again Markwest Coalseam
3 Development Company, and this was a request to pool
4 all of the interests in the east half of Section 35,
5 township 33 north, range 7 west, of the Fruitland
6 Coal.

7 Cause Number 504, Docket Number 9-8,
8 Moffat County. The applicant, Apache Corporation.
9 This was a request to establish 320-acre drilling
10 and spacing units for certain sections in township 9
11 north, range 90 and 91 west, for the Almond
12 Formation. This is continued to the October
13 hearing.

14 And finally Cause Numbers 407 and 232,
15 Docket Number 9-5-10, Codell-Niobrara Spaced Area
16 and the Wattenberg Gas Spaced Area, Weld County.
17 Applicant, Vessels Oil & Gas Company. This was a
18 request to pool the interest in a 320-acre drilling
19 and spacing unit in the south half of Section 18 --
20 no township and range was given -- from the "J" Sand
21 Formation and in the 80-acre drilling and spacing
22 unit in the same section for the Codell and Niobrara
23 Formations.

24 Patricia, what is the status of this
25 matter? It was continued from the June hearing.

1 There was a prehearing conference held -- has this
2 been continued to October?

3 MS. BEAVER: I basically told them we
4 did not have time this month to hear them. I don't
5 know if I have the ability to continue it on my own,
6 but I just did it.

7 It is going to be heard -- although I do
8 understand that the protestant may be filling
9 against the applicant in court -- but the prehearing
10 conference was --

11 CHAIRMAN HEINLE: It will either be
12 resolved by October or we will be seeing it in
13 October?

14 MS. BEAVER: I don't think it will be
15 resolved by October.

16 CHAIRMAN HEINLE: So maybe another
17 continuation?

18 COMMISSIONER MATHESON: However, we are
19 continuing it now until October.

20 COMMISSIONER BEAVER: Right.

21 CHAIRMAN HEINLE: I guess there is one
22 more item, Cause Number 427, Docket 9-6, West Side
23 Canal Field, Moffat County. Applicant is Ballard
24 Energy 1992 Limited Partnership. This is a pooling
25 request for Sections 29, 31, 32, township 12 north,

1 range 91 west, for the Lewis "A" Formation. I
2 assume this has also been continued to the October
3 hearing?

4 MS. BEAVER: Actually, you may be
5 working off an old agenda. The parties settled, and
6 that application has been withdrawn.

7 CHAIRMAN HEINLE: So that cause, Docket
8 Number 9-6, has been withdrawn, the hearing
9 canceled?

10 MS. BEAVER: Right.

11 CHAIRMAN HEINLE: Is there anything
12 else?

13 MS. BEAVER: I would like to talk about
14 the October agenda. I don't think we need to do
15 that on the record.

16 CHAIRMAN HEINLE: Off the record.
17 Actually we need a motion to so move.

18 COMMISSIONER MATHESON: So moved.

19 CHAIRMAN HEINLE: All in favor respond
20 by saying aye. Opposed? That was a motion to
21 adjourn.

22 (The hearing ended at 5:08 P.M.)

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CERTIFICATE

I, TERRY H. EDWARDS, RPR, do hereby
certify that I reported the foregoing proceedings in
the first instance, and that later the same was
reduced to typewritten form under my direct
supervision and control; I further certify that the
foregoing is a true and complete transcription of my
stenographic notes then and there taken.

Dated September 16, 1996

Terry H. Edwards

TERRY H. EDWARDS, RPR

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