

1 NEW MEXICO OIL CONSERVATION DIVISION

2 STATE LAND OFFICE BUILDING

3 STATE OF NEW MEXICO

4 CASE NO. 10418

5
6 IN THE MATTER OF:7
8 The Application of Amoco Production
9 Company for an exception to Rule
10 303-A and 309-A, surface commingling
of condensate, Rio Arriba County,
New Mexico.11
12
13
14 BEFORE:15
16 DAVID R. CATANACH

17 Hearing Examiner

18 State Land Office Building

19 December 5, 1991

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22 REPORTED BY:23 DEBBIE VESTAL
24 Certified Shorthand Reporter
for the State of New Mexico25
ORIGINAL

A P P E A R A N C E S

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1 EXAMINER CATANACH: At this time we'll
2 call Case 10418.

3 MR. STOVALL: Application of Amoco
4 Production Company for an exception to Rule 303-A
5 and 309-A, surface comingling of condensate, Rio
6 Arriba County, New Mexico.

7 EXAMINER CATANACH: Are there
8 appearances in this case?

9 MR. CARR: May it please the Examiner,
10 my name is William F. Carr with the Santa Fe law
11 firm of Campbell, Carr, Berge & Sheridan. I
12 represent Amoco Production Company.

13 I'm appearing in association with Mr.
14 Eric Nitcher, attorney for Amoco from Denver, who
15 will present the case.

16 EXAMINER CATANACH: Any other
17 appearances?

18 The witness will, please, stand and be
19 sworn in.

20 MR. NITCHER: We have two witnesses
21 today.

22 EXAMINER CATANACH: Two witnesses,
23 okay.

24 (The witnesses were duly sworn.)

25 MR. NITCHER: Thank you. Today Amoco

1 Production Company has an application for the
2 Commission to surface commingle condensate only
3 from certain wells in the San Juan 28-7 unit, Rio
4 Arriba County, New Mexico, as an exception to
5 Rule 303-A and 309-A.

6 Amoco is not requesting authority to
7 commingle gas production. They will be disposed
8 of as previously.

9 Amoco does have an amendment to the
10 application in accordance with the BLM's
11 request. This amendment, as will be discussed by
12 Mr. Hawkins, is basically to increase the
13 reliability of the measurement that Amoco is
14 proposing, and we have verbal approval from the
15 BLM that this measurement procedure be approved.

16 I do have an exhibit packet. I have
17 two witnesses. I'd like to start with the land
18 witness today.

19 EXAMINER CATANACH: Okay.

20 BARBARA STURGEON

21 Having been duly sworn upon her oath, was
22 examined and testified as follows:

23 EXAMINATION

24 BY MR. NITCHER:

25 Q. Would you, please, state your name and

1 business address for the record, please.

2 A. Barbara Sturgeon, Post Office Box 800,
3 Denver, Colorado 80201.

4 Q. By whom are you employed and in what
5 capacity?

6 A. Amoco Production Company as a land
7 negotiator.

8 Q. Have you previously testified before
9 this Commission before?

10 A. No, I have not.

11 Q. Would you give the Commission a brief
12 description of your educational background or
13 work experience.

14 A. I have a degree in business management
15 from the University of Wyoming. I graduated in
16 1974. I've worked for Amoco for
17 seventeen-and-a-half years. The last
18 ten-and-a-half years, I've been a land
19 negotiator. I've worked the San Juan Basin for
20 the last two years.

21 MR. NITCHER: I would ask that Ms.
22 Sturgeon's credentials be accepted to testify as
23 to land matters.

24 EXAMINER CATANACH: She is so
25 qualified.

1 Q. (BY MR. NITCHER) Okay. Ms. Sturgeon,
2 have you prepared any exhibits in preparation for
3 today's testimony?

4 A. I prepared Exhibit 1.

5 Q. Could you briefly the importance of
6 this exhibit to the Commission.

7 A. Yes. First of all, it's the outline.
8 That's a federal unit. It's supervised by the
9 BLM, has approximately 31,000 acres in it. The
10 breakdown of the acreage makeup is 94 percent
11 federal, 4 percent state, and 2 percent fee.
12 It's operated by Amoco. Tenneco was the previous
13 operator, but we took over from them when we
14 purchased Tenneco.

15 The outline of the unit is shown in the
16 heavy red line. It's shown four times because
17 there are four PA's in this unit: the Dakota,
18 the Mesaverde, the Pictured Cliffs, and the
19 Chacra.

20 The boundaries of the PA are shown in
21 the colored highlighting. For example, in the
22 upper left-hand corner, you'll see in light
23 orange the Dakota PA, and then it's labeled below
24 that.

25 The reason for showing you these PA's

1 is to demonstrate that the ownership is different
2 because the boundaries are different. You're
3 covering different leases and different owners.
4 And, for instance, Amoco owns 15 percent in the
5 Chacra, 20 percent in the Pictured Cliffs, 24
6 percent in the Mesaverde, and 23 percent in the
7 Dakota.

8 As Mr. Nitcher alluded to, we have
9 spoken to the BLM, and we have their general
10 approval for the way we want to approach this.
11 They want us to submit each well or pair of wells
12 individually so that they can give individual
13 approval. So we don't have written approval for
14 it, but we do have their general agreement and
15 their verbal agreement in how we're approaching
16 this.

17 In addition to having spoken to the
18 BLM, we notified the other 195 owners in this
19 unit by certified mail with return receipt
20 requested. We have the returned green cards. We
21 have 183 of these. We have two letters that were
22 returned with bad addresses, and there were ten
23 letters that we have not received the cards back
24 on yet. The letter was dated November 7.

25 Q. You stated that Amoco has talked to the

1 Commission. Will Mr. Hawkins be discussing that
2 further in detail in his testimony?

3 A. Yes.

4 MR. NITCHER: I would ask that Exhibits
5 1 and also, if the Commission would like, the
6 certified letter certificates be admitted into
7 the record.

8 EXAMINER CATANACH: Do you have any
9 questions?

10 MR. STOVALL: Mr. Nitcher, did you hear
11 my discussion with Mr. Roberts regarding the
12 affidavit?

13 MR. NITCHER: Yes, I did, and I will
14 comply.

15 MR. STOVALL: You may be able to find
16 some way to bind those in a way that doesn't
17 thicken the file greatly.

18 MR. NITCHER: If the Commission would
19 like, we would just submit the application and
20 not submit the actual certified receipts, however
21 the Commission would like.

22 MR. STOVALL: Do you have those in a
23 database of some sort where they've got the
24 numbers on them?

25 THE WITNESS: It was our division order

1 database that had the addresses and the peoples'
2 names.

3 MR. STOVALL: You don't have the return
4 receipt cards on those or anything like that, the
5 numbers? I know some companies do that when they
6 send mailings out.

7 THE WITNESS: You mean, the numbers of
8 these? Yeah, I'm sure we have those.

9 MR. NITCHER: Would you like those
10 included?

11 MR. STOVALL: That might be
12 satisfactory.

13 EXAMINER CATANACH: I think so.

14 MR. STOVALL: Submit the list of people
15 to whom it was sent and the certification number
16 attached to your affidavit as a mailing.

17 MR. NITCHER: I will send that to your
18 attention.

19 EXAMINER CATANACH: Okay.

20 MR. NITCHER: If there are no questions
21 of Ms. Sturgeon, I would call Mr. Hawkins.

22 MR. STOVALL: We haven't actually
23 admitted those. I interrupted you before we did.

24 EXAMINER CATANACH: Exhibit 1 will be
25 admitted as evidence and the certified mailing

1 receipts.

2 MR. STOVALL: I do have a question just
3 more out of curiosity than anything else.
4 Particularly looking at the Dakota participating
5 area, Pictured Cliffs a little, but do you know
6 why the islands exist in there that are
7 uncommitted to the participating areas?

8 THE WITNESS: I don't specifically know
9 the history of the unit. It was formed in 1952,
10 and it was a Tenneco property, and I didn't go
11 through the history of how the PA's had formed
12 this way.

13 MR. STOVALL: Okay. That's all I
14 have.

15 EXAMINER CATANACH: The witness may be
16 excused.

17 THE WITNESS: Thank you.

18 MR. NITCHER: At this time I would like
19 to call Mr. Bill Hawkins.

20 J. W. HAWKINS

21 Having been duly sworn upon his oath, was
22 examined and testified as follows:

23 EXAMINATION

24 BY MR. NITCHER:

25 Q. Mr. Hawkins, would you, please, state

1 your name and business address for the record,
2 please.

3 A. Bill Hawkins, P.O. Box 800, Denver
4 Colorado 80201.

5 Q. Have you previously testified before
6 this Commission as an expert in reservoir
7 engineering and your credentials been accepted?

8 A. Yes, I have and they have.

9 MR. NITCHER: I would move for Mr.
10 Hawkins' admission as an expert in petroleum
11 engineering.

12 EXAMINER CATANACH: He is so qualified.

13 Q. Mr. Hawkins, have you prepared any
14 exhibits, in addition to the exhibits prepared by
15 Ms. Sturgeon, for today's testimony?

16 A. Yes, I have. I have prepared four
17 exhibits or had them prepared under my direction.

18 Q. Would you, please, go through these
19 exhibits one at a time and explain the importance
20 as to each exhibit to today's testimony.

21 A. Yes. If you would turn to Exhibit 2,
22 Exhibit 2 is actually three pages, but what I
23 want to do is -- there's a lot of information
24 here, but I'd like to focus on the first line and
25 just kind of let you see what we've got.

1 We've listed each of the wells that
2 we've identified for potential commingling of
3 condensate at this point in time. Although our
4 application is basically a blanket application
5 for these wells and any future wells, these are
6 the ones that we would like to go ahead and
7 commingle as soon as possible.

8 If we just look at the first line of
9 data, it identifies the well as the San Juan
10 28-7-1 well as the Mesaverde formation. And the
11 line immediately below that shows the same well
12 for the Pictured Cliffs formation. This is a
13 dual well. Shows the location, the gas
14 production through May 22 of this year.

15 And I think of importance is the next
16 column showing the average daily gas rate. The
17 Mesaverde produced about 99 Mcfd, and the
18 Pictured Cliffs averaged 64 Mcfd. These wells
19 are not extremely prolific, but these are
20 reasonably representative. They range anywhere
21 from about 600 Mcfd down to 10 or 20, just right
22 above the economic limit.

23 We also show in the next column
24 cumulative gas production. And then we start
25 looking at the condensate figures, which are

1 annual condensate through the same time period,
2 the average daily rate, and the cumulative
3 condensate.

4 And, again, I draw your attention to
5 the next-to-the-last column showing the
6 condensate production. The Mesaverde shows about
7 five barrels of condensate per day, and the
8 Pictured Cliffs shows zero. We actually believe
9 these Pictured Cliffs wells would produce a
10 nominal amount of condensate if it were being
11 collected.

12 Right now most of these wells are so
13 dry that the condensate is either produced with
14 the gas stream into the pipeline or as a
15 carryover into the liquid stream if the well
16 makes any water.

17 What we're proposing to do is to put a
18 separator, if there's not one already in place,
19 and start collecting that condensate. We would
20 expect that the PC wells will make about .1
21 barrels a day, rough estimate.

22 For the -- I guess we can go ahead to
23 Exhibit No. 3. We have to skip three pages
24 down. Exhibit 3 is a little simple economic
25 analysis of why we want to commingle as opposed

1 to install a tank to capture those liquids.

2 The cost of a new tank is estimated to
3 be about \$7500. Although that sounds pretty
4 high, that would include the transportation and
5 installation and labor costs to actually have the
6 thing all installed and hooked up.

7 If you look at the forecasted
8 production revenue of about .1 barrels of
9 condensate per day, estimated cost of \$20 a
10 barrel, and a fairly significant high royalty
11 position in the Pictured Cliffs, we would expect
12 that a single well might generate \$560 per year
13 on a before-tax basis.

14 And a simple before-tax payout
15 calculation would show it would take 13 years to
16 recover the cost of installing that tank. So I
17 think from a prudent economic standpoint we would
18 like to produce this condensate into an existing
19 tank as opposed to purchasing a new tank just for
20 the Pictured Cliffs condensate.

21 I'd like to move to the next exhibit.
22 Exhibit 4 shows a schematic of how the typical
23 well is connected up in the field and our
24 proposed commingling procedure, I guess.

25 If you start in the bottom left corner

1 of this schematic, you'll see a wellhead with two
2 red lines leading out. That would be the full
3 well stream production from a dual well. The
4 upper red line goes to a Mesaverde separator.
5 The lower red line goes to the Pictured Cliffs
6 separator.

7 If we look at the Mesaverde separator,
8 we see that the gas continues to go straight up
9 into an individual meter for the Mesaverde, and
10 that would not be changed. The green line and
11 the blue line represent separate streams from the
12 separator to a condensate tank and to a water
13 tank.

14 If we look at the Pictured Cliffs
15 separator -- and I'm assuming that typically we
16 would either have one out there or we will
17 install one -- the gas goes from that separator
18 to its individual meter into sales.

19 The liquids typically are either going
20 to an earthen pit, primarily water, with some
21 carryover of condensate. And we would propose to
22 lay a line that would -- from the separator that
23 would tie into both the condensate and the water
24 streams and collect that in tanks.

25 So that's the basic schematic of how we

1 would hook up these wells for surface commingling
2 of the condensate. Again, I would point out that
3 the gas would continue to be individually
4 metered.

5 I'd like to go to Exhibit No. 5.
6 Exhibit No. 5 is an example of our allocation
7 scheme. As we've talked about earlier, we've met
8 with the BLM to discuss this proposal for surface
9 commingling. And we discussed several methods of
10 allocation: how we would measure; how often it
11 would need to be measured; and how would we
12 allocate production back to the individual
13 wells.

14 We have received a verbal agreement, I
15 guess, from the BLM with the method that we're
16 going -- that we're showing you here today. This
17 is going to be a little more burdensome than the
18 method that we had proposed in our application.
19 But we agree with the BLM that this will probably
20 be a more accurate method, and therefore we're
21 willing to go through the additional burden.

22 If I can lead you through this example,
23 what we've done is I've just listed at the top
24 Well 1 and Well 2. That could either be two
25 separate wells that are close together or two

1 separate tubing strings from a dual well, one a
2 Mesaverde and one a Pictured Cliffs well.

3 Our method would have us test on an
4 annual basis each well to get a GOR that would be
5 representative of that well's production. It
6 would have to be a test of sufficient length to
7 get a measurable volume of condensate. This
8 would probably be anywhere from a 24- to 72-hour
9 test depending on what the well can produce.

10 We also show in the next column, let's
11 assume that the monthly gas production from the
12 Mesaverde was about 9.7 million cubic feet of
13 gas, and from the Pictured Cliffs, about 5.9
14 million cubic feet of gas, and that the
15 condensate production from those two wells
16 collected in the single tank would be 37
17 barrels.

18 The method of allocation is shown below
19 in three steps. First would be to calculate a
20 theoretical condensate production, which would
21 use the monthly gas production, divided by the
22 annual GOR test. We show that for both the first
23 well and second well.

24 The Mesaverde well calculates to 36
25 barrels theoretically, and the Pictured Cliffs

1 well calculates to 3.2 barrels theoretically.
2 The total of that would be 39.2 barrels.

3 Next we would under step 2 determine
4 the allocation factor for each well. The
5 Mesaverde would have produced 36 out of the 39.2
6 barrels, or .918 factor. Well 2, Pictured Cliffs
7 well, would have produced 3.2 barrels out of 39.2
8 barrels, or a .082 factor. You note that those
9 two numbers have to add to 1.0, 100 percent of
10 the allocation.

11 And then in step 3 we use those
12 allocation factors to allocate the actual 37
13 barrels that was found in the tank back to each
14 of the individual wells. Well 1 would get 37
15 barrels times its factor of .918, or 34 barrels
16 of condensate allocated to it. And Well 2,
17 Pictured Cliffs, would get 37 times .082, or 3
18 barrels allocated to it.

19 We feel like this is a reasonably
20 accurate method that will protect the correlative
21 rights of all of the owners, working interests,
22 royalty, and overriding royalty interest owners.

23 We know that the BLM is very concerned
24 about the accuracy of the method that we would
25 use out here, and they are in agreement with this

1 method. So we are recommending that it be
2 approved by the state as well.

3 Q. Mr. Hawkins, have you been contacted by
4 any other state agency concerning this
5 application?

6 A. Yes, I have. Let me look at my notes
7 here real quickly. I have a letter from the
8 State of New Mexico Office of the Commissioner of
9 Public Lands dated November 19. The letter is
10 advising us that we also have to get approval
11 from the State of New Mexico Public Land
12 Commission for any wells that are on state
13 lands.

14 Now, there are two sections in this
15 unit that are state lands. That would be Section
16 2 in Township 27 North, Range 7 West and Section
17 16 in Township 27 North, Range 7 West.

18 I discussed our application with Pete
19 Martinez at the Public Land Commission and
20 explained to him that even though we were
21 commingling some wells that are not on state
22 lands, the state would still be receiving a
23 royalty due to the ownership in the PA.

24 My understanding from him is that we
25 would only need to file an application for a well

1 on state lands. So I agreed with him that we
2 would send them information on the wells that are
3 on state lands as well as the exhibits that we
4 show at this hearing in response to their request
5 for an application and file a \$30 filing fee with
6 them.

7 Q. Okay. The formula, as set out on your
8 Exhibit 5, is that applying to all four PA's that
9 are included in your application?

10 A. Yes, it is.

11 Q. Okay. And in your expert opinion will
12 the formula, as set out on Exhibit 5 here,
13 protect the correlative rights of all the
14 interest owners in all four of the participating
15 areas?

16 A. Yes, it will.

17 Q. Will the granting of the application
18 prevent waste?

19 A. Yes, it will.

20 MR. NITCHER: I would request that
21 Exhibits, what, 2 through 5 be admitted into the
22 record.

23 EXAMINER CATANACH: Exhibits 2 through
24 5 will be admitted into the record.

25 MR. STOVALL: Let me ask you a

1 question, Mr. Nitcher, while Mr. Catanach is
2 looking at the exhibits. Did you give the State
3 Land Commissioner notice of this hearing?

4 MR. NITCHER: Yes, we did.

5 MR. STOVALL: Did either you or Mr.
6 Hawkins talk to Pete Martinez about coming up
7 here to participate or at least observe the
8 hearing?

9 THE WITNESS: I explained to him that
10 we were going to go to hearing, and I asked him
11 did we need to file an application with him prior
12 to this hearing. He indicated that no, we did
13 not, just prior to the actual implementation of
14 commingling we needed their approval.

15 From my discussion with him, clarified
16 some of the questions he had of what we were
17 trying to do. And the indication I got from him
18 was that he would be in agreement with it since
19 most of this condensate at this point in time is
20 not being collected and that this would offer a
21 method that would be economical and would collect
22 condensate and prevent waste.

23 MR. STOVALL: Mr. Hawkins, are you
24 familiar enough with the unit agreements to
25 explain the participation within the various PA's

1 and how that's done, or should we get Ms.
2 Sturgeon back up again?

3 THE WITNESS: We probably should get
4 Ms. Sturgeon back again.

5 MR. STOVALL: Okay. I want to do that
6 in a minute then just for discussion.

7 Okay. One more question while I'm at
8 it.

9 EXAMINATION

10 BY MR. STOVALL:

11 Q. You've shown an example of a
12 dual-completed Mesaverde PC well. Is that the
13 most common situation out there?

14 A. That is the most common. Of the 32
15 duals or pairs of wells that we have, we have 28
16 wells that are duals and 4 wells that are located
17 on sites close enough together that they could
18 share the tank.

19 And those would be the typical type of
20 situation we'd see. In fact, it may be all that
21 we see, but we wanted to go ahead and get blanket
22 approval. In the event that we make another dual
23 completion sometime in the future, we wouldn't
24 have to go back through the 197 people -- you
25 know, notice requirement for hearing again.

1 We would still have to go on an
2 individual basis back to the BLM on any new well
3 that we decide to do. And I guess if that well
4 were on public lands, we would have to file an
5 application with the Commission of Public Lands.

6 Q. The various duals come in a variety of
7 combinations of the different formations; is that
8 correct?

9 A. The majority of them are Mesaverde PC.
10 If you look at our list, I think we have one
11 Chacra well which is the San Juan 28 and 7, No.
12 169. It's on the second page of Exhibit 2 down
13 at the bottom. It's dualled with the PC.

14 And we have two Dakota wells, one is
15 the -- it's just right above that. It's noted
16 under formation DK. It's San Juan 28 and 7, No.
17 154. That well would be dualled with well No.
18 116 -- or excuse me, commingled with well No.
19 116. And well No. 116 is a PC well that's on the
20 same surface location, or nearby surface
21 location.

22 The other Dakota well is a -- it's on
23 the third page, San Juan 28 and 7, No. 187. And
24 it would be dualled -- or excuse me, commingled
25 with the San Juan 28 and 7, No. 264, which is a

1 Pictured Cliffs well. And those again are both
2 on the same or nearby surface locations.

3 I guess I do see one other Dakota one,
4 and that's about the middle of the page, second
5 page of Exhibit 2. It's the San Juan 28 and 7
6 No. 109. There's a Mesaverde Dakota dual.

7 Q. But you'd want the authority to go
8 beyond this list of wells; is that correct?

9 A. That's correct. If we were to dually
10 complete a well in the future, we would want the
11 authority to put a single tank out there to
12 collect the condensate from both of those wells
13 and use this method to allocate production back
14 to the individual well.

15 MR. STOVALL: I don't think I have any
16 other questions for this witness.

17 EXAMINATION

18 BY EXAMINER CATANACH:

19 Q. Mr. Hawkins, the San Juan 28-7 No. 60,
20 is that going to be commingled with another well?

21 A. Yes. We show that one would be
22 commingled with the San Juan 28 and 7 No. 146. I
23 realize this list was kind of put together --
24 should have been paired up. Would have been
25 simpler for you to see. But that well -- let's

1 see, No. 146.

2 MR. STOVALL: About fifth from the
3 bottom on the second page.

4 A. Right. It is at the same or nearby
5 surface location. You can see it's in quadrant B
6 of Section 19, Township 28 and 7. And that's the
7 same as the No. 60 well. Location B is the 40
8 acres that it would be in.

9 MR. STOVALL: Unit letter B?

10 A. Right, Unit letter B. That's what I'm
11 looking for.

12 Q. (BY EXAMINER CATANACH) Can I get you
13 to provide us a list of, other than the
14 dual-completed wells, the actual two wellbores
15 that are going to be commingled?

16 A. Yes, I will do that.

17 Q. Okay. Has the Pictured Cliffs
18 traditionally not -- the condensate not been
19 recovered from these wells at all?

20 A. In some cases I think it is recovered,
21 and I think it has to do with whether or not that
22 well has a more than nominal amount of condensate
23 produced.

24 In most of the cases that we've looked
25 at here -- again, we've kind of taken over

1 operations from Tenneco and just continued with
2 that. There is a separator on location if the
3 well makes a fair amount of water. And that
4 water has to be separated from the gas stream and
5 whatever condensate is produced is probably
6 carried over with that water.

7 If the well does not make any
8 significant volume of water and there's no
9 separator there at all, then the well flows full
10 well stream through the gas meter. It's dry
11 enough that it doesn't cause a significant
12 problem, but it does probably collect in the
13 transporter's line and have to be cleared out at
14 some point.

15 We don't expect that these are going to
16 be very significant volumes of condensate. We're
17 estimating that they will be on the order of .1
18 barrels a day, which is about 3 barrels a month.

19 Q. Per well?

20 A. Per well, that's correct.

21 Q. And how many wells are we talking
22 about?

23 A. Well, it would be about 30 --

24 Q. Initially?

25 A. -- of the PC wells, that's correct.

1 MR. STOVALL: Do I understand correctly
2 that most of the locations where you're planning
3 to commingle there's already a tank and
4 condensate --

5 THE WITNESS: That's correct.

6 MR. STOVALL: -- collection system for
7 the non-PC well?

8 THE WITNESS: That's correct.

9 EXAMINER CATANACH: You're saying it's
10 uneconomic to install another tank on those
11 locations for just the PC condensate?

12 THE WITNESS: That's correct.

13 MR. STOVALL: But you are going to
14 install a separator on the PC wells that don't
15 currently have a separator?

16 THE WITNESS: That is correct.

17 EXAMINER CATANACH: This allocation
18 will be done on a monthly basis?

19 THE WITNESS: That's right.

20 MR. STOVALL: Based on the annual GOR
21 test, the real mechanical thing, the step
22 process, is all going to be done on a computer, I
23 assume, that you could plug the GOR in and it
24 will do some sort of --

25 THE WITNESS: This is a little

1 burdensome. That's why the method that we had
2 originally proposed would have been handled a
3 little bit simpler through our accounting and
4 production revenue systems.

5 This is going to take some manual
6 input. It is going to take some additional
7 overhead to do it monthly in our office, but we
8 will be able to accommodate it. We are looking
9 at ways to try to automate this and get a little
10 better -- maybe go to electronic custody transfer
11 or something that can remove some of the
12 additional overhead burden.

13 But we feel like that even with the
14 overhead burden, this would be better than
15 purchasing the new tanks.

16 EXAMINER CATANACH: How's the volume in
17 the tanks determined monthly?

18 THE WITNESS: My understanding is that
19 they have to gauge that tank every month to
20 determine what additional stock was built up,
21 even if they don't sell anything out of the
22 tank.

23 So there is a production calculation
24 made every month for each of those tanks. And I
25 think it's just done by strapping the tank.

1 EXAMINER CATANACH: I believe that's
2 all we have of Bill. You may be excused.

3 MR. STOVALL: Would you like to
4 recall --

5 MR. NITCHER: We would like to recall
6 Ms. Barbara Sturgeon.

7 BARBARA STURGEON

8 Having been previously duly sworn upon her oath,
9 was examined and testified further as follows:

10 EXAMINATION

11 BY MR. STOVALL:

12 Q. I think you heard my questions to Mr.
13 Hawkins in which he threw it back to you.

14 A. Yes, I did. You might repeat it for
15 me, though, so I'm sure I understand.

16 Q. You bet. The question is with respect
17 to the Land Office's requirement that you also
18 file an application for commingling production
19 from wells which are on state lands. And my
20 question to you is within the individual
21 participating areas does every interest within
22 the participating area share in all production
23 from the participating area pursuant to the unit
24 agreement?

25 A. Yes, they do.

1 Q. So as far as the actual allocation of
2 revenues, and particularly with respect to
3 royalties, there really isn't an allocation based
4 on the individual wells and location of those
5 wells; is that correct?

6 A. Right.

7 MR. STOVALL: That's really all I had.
8 I just wanted to make sure I understood their
9 system. I know why they're doing it. They have
10 their rules that say you can't commingle
11 non-state and state production.

12 MR. NITCHER: Yes. We plan to comply
13 with all the state's requirements.

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

15 MR. NITCHER: Thank you.

16 EXAMINER CATANACH: There being nothing
17 further, Case 10418 will be taken under
18 advisement.

19 Let's take a ten-minute break here.

20 (The proceedings were concluded.)

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I do hereby certify that the foregoing is
a complete transcript of the proceedings in
the Examiner hearing of Case No. 10418,
heard by me on December 5, 1991.

David R. Catanach, Examiner
Oil Conservation Division

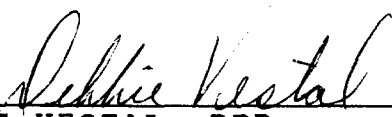
1 CERTIFICATE OF REPORTER

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

5
6 I, Debbie Vestal, Certified Shorthand
7 Reporter and Notary Public, HEREBY CERTIFY that
8 the foregoing transcript of proceedings before
9 the Oil Conservation Division was reported by me;
10 that I caused my notes to be transcribed under my
11 personal supervision; and that the foregoing is a
12 true and accurate record of the proceedings.

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

18 WITNESS MY HAND AND SEAL DECEMBER 16,
19 1991.

20
21
22 
23 _____
24 DEBBIE VESTAL, RPR
NEW MEXICO CSR NO. 3
25