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

IN THE MATTER OF THE HEARING )  
CALLED BY THE OIL CONSERVATION )  
DIVISION FOR THE PURPOSE OF )  
CONSIDERING: ) CASE NO. 10837

APPLICATION OF SANTA FE ENERGY  
OPERATING PARTNERS, L.P.

-----

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

BEFORE: David R. Catanach, Hearing Examiner

October 7, 1993

Santa Fe, New Mexico

This matter came on for hearing before the  
Oil Conservation Division on October 7, 1993, at  
Morgan Hall, State Land Office Building, 310 Old Santa  
Fe Trail, Santa Fe, New Mexico, before Deborah O'Bine,  
RPR, Certified Court Reporter No. 63, for the State of  
New Mexico.

**ORIGINAL**

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I N D E X

October 7, 1993  
Examiner Hearing  
CASE NO. 10837

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## A P P E A R A N C E S

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4 FOR THE DIVISION: ROBERT G. STOVALL, ESQ.  
5 General Counsel  
6 Oil Conservation Commission  
7 State Land Office Building  
8 310 Old Santa Fe Trail  
9 Santa Fe, New Mexico 87501

10 FOR THE APPLICANT: HINKLE, COX, EATON, COFFIELD  
11 & HENSLEY  
12 P.O. Box 2068  
13 Santa Fe, New Mexico 87504  
14 BY: JAMES G. BRUCE, ESQ.  
15  
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1 EXAMINER CATANACH: At this time we'll call  
2 Case 10837.

3 MR. STOVALL: Application of Santa Fe  
4 Energy Operating Partners L.P. for an unorthodox gas  
5 well location.

6 EXAMINER CATANACH: Eddy County, New  
7 Mexico.

8 MR. STOVALL: Eddy County, New Mexico.  
9 You're right, that's where it is.

10 EXAMINER CATANACH: Call for appearances in  
11 this case.

12 MR. BRUCE: Yes, Mr. Examiner. Jim Bruce  
13 from the Hinkle law firm representing the Applicant.  
14 I have three witnesses, one of whom, Mr. Smith, has  
15 already been sworn.

16 EXAMINER CATANACH: Any additional  
17 appearances? All three of your witnesses have been  
18 sworn; is that correct?

19 MR. BRUCE: No.

20 EXAMINER CATANACH: Will the additional  
21 witnesses please stand and be sworn in.

22 MR. STOVALL: Anybody from Santa Fe who's  
23 going to testify today. Might as well. We'll get you  
24 all in at once.

25 (Witnesses sworn.)

1 MR. BRUCE: Mr. Examiner, could the record  
2 reflect that Mr. Smith has already been sworn and  
3 qualified as an expert landman?

4 EXAMINER CATANACH: The record will so  
5 reflect, Mr. Bruce.

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

9 EXAMINATION

10 BY MR. BRUCE:

11 Q. Mr. Smith, once again, briefly, what is it  
12 that Santa Fe seeks in this case?

13 A. Santa Fe seeks --

14 MR. STOVALL: Excuse me, Mr. Bruce. Since  
15 it's a separate transcript, would you get his full  
16 name in the record.

17 Q. (BY MR. BRUCE) Could you please state your  
18 full name for the record.

19 A. My name is Curtis Smith.

20 Q. And you are a landman for Santa Fe Energy?

21 A. That's correct.

22 Q. Please continue, Mr. Smith.

23 A. Santa Fe Energy seeks approval of an  
24 unorthodox location to drill a Morrow well, the North  
25 Pure Gold "9" No. 2, to be located 660 feet from the

1 west line and 660 feet from the south line of Section  
2 9, Township 23 South, Range 31 East, Eddy County, New  
3 Mexico.

4 Q. What is Exhibit 1?

5 A. Exhibit 1 is a land plat showing the  
6 proration unit, well location, and the offsetting  
7 operators for the North Pure Gold "9" No. 2.

8 Q. Does Exhibit 2 list those operators?

9 A. Exhibit 2 lists the offset operators.

10 Q. The only operators listed are Santa Fe  
11 Energy and Yates Petroleum; is that correct?

12 A. That's correct.

13 Q. What is Exhibit 3?

14 A. Exhibit 3 is my notice affidavit with the  
15 letters attached.

16 Q. Okay. Now this attachment to your letter  
17 lists a number of companies other than Santa Fe and  
18 Yates. Who are those companies?

19 A. Referring to Exhibit 1, the north half of  
20 Section 17, Santa Fe is the operator of the Pure Gold  
21 C-17 No. 2. The working interest owners in the North  
22 Pure Gold C-17 No. 2 were notified. Since we operate  
23 that well, we felt it fair to notify our working  
24 interest partners in that well.

25 Q. In the east half of Section 8, there's a

1 Santa Fe-operated well. Who are the working interest  
2 owners in that well?

3 A. Mitchell Energy.

4 Q. So they were notified of the application as  
5 well?

6 A. That's correct.

7 Q. In your proposed No. 9 well, besides Santa  
8 Fe Energy, who are the working interest owners?

9 A. Mitchell Energy.

10 Q. What is Exhibit 4?

11 A. Exhibit 4 is a letter from Yates Petroleum,  
12 and attached to that is my letter to Yates Petroleum  
13 requesting a waiver of the 20-day notification and a  
14 waiver of objection to this unorthodox location. They  
15 responded with their letter dated October 6.

16 Q. This is a result of your office forgetting  
17 to send out the notice?

18 A. This was an oversight on my part on  
19 notifying Yates as an offsetting operator, being the  
20 north half of Section 16.

21 Q. Your well is actually not moving any closer  
22 to the Yates acreage to the south; is that correct?

23 A. Our well is still 660 feet from the south  
24 boundary.

25 Q. What is the cost of your proposed well?

1           A.    The cost of the proposed well is \$1,300,000  
2 for dry hole cost; \$1,634,000 for completed well cost.

3           Q.    Does Exhibit 5 contain approved copies of  
4 the AFE from Santa Fe and Mitchell Energy?

5           A.    That's correct.

6           Q.    Were Exhibits 1 through 5 prepared by you  
7 or under your direction?

8           A.    That's correct.

9           Q.    And, in your opinion, is the granting of  
10 this application in the interest of conservation and  
11 the prevention of waste?

12          A.    Yes.

13                  MR. BRUCE:   Mr. Examiner, I tender Santa Fe  
14 Exhibits 1 through 5.

15                  EXAMINER CATANACH:   Exhibits 1 through 5  
16 will be admitted as evidence.

17                                       EXAMINATION

18 BY EXAMINER CATANACH:

19           Q.    Mr. Smith, has this well been drilled?

20           A.    No, sir.

21           Q.    The working interest ownership you said in  
22 the north half of Section 17 is different from the  
23 south half of Section 9?

24           A.    That's correct.

25           Q.    And the same is true for the east half of



1 Section 8?

2 A. No. The working interest owners in the  
3 east half of 8 and all of Section 9 is common, as well  
4 as the royalty ownership. We have one base lease that  
5 covers Sections -- east half of 8 and all of Section  
6 9. And Santa Fe and Mitchell are the working interest  
7 owners for that common area.

8 Q. And you've notified the working interest  
9 owners in the --

10 A. North half of Section 17.

11 EXAMINER CATANACH: I think that's all we  
12 have. The witness may be excused.

13 MR. BRUCE: Call Mr. Seiler to the stand.

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

17 EXAMINATION

18 BY MR. BRUCE:

19 Q. Would you please state your name for the  
20 record.

21 A. My name is Robert Seiler.

22 Q. Who do you work for?

23 A. Santa Fe Energy.

24 Q. In what capacity do you work for Santa Fe?

25 A. Geologist.

1 Q. Have you previously testified before the  
2 Division as a petroleum geologist?

3 A. I have.

4 Q. Were your credentials accepted as a matter  
5 of record?

6 A. Yes, they were.

7 Q. Are you familiar with the geological  
8 matters involved in this application?

9 A. Yes.

10 Q. And your area of responsibility includes  
11 this prospect?

12 A. Yes, it does.

13 MR. BRUCE: Mr. Examiner, I tender Mr.  
14 Seiler as an expert geologist.

15 EXAMINER CATANACH: Mr. Seiler is so  
16 qualified.

17 Q. (BY MR. BRUCE) Referring to Exhibit 6, Mr.  
18 Seiler, would you discuss the zones of interest in  
19 this area?

20 A. Exhibit 6 is a production map. The  
21 production on there is cumulative to the date 4-1-93.

22 I would like to point out two things about  
23 the map. Typically, as most people do, the colors  
24 represent the various producing horizons. In this  
25 case, we are most interested in the Morrow. So as you

1 can see on the legend on the bottom, the Morrow wells  
2 are colored red, Morrow-producing wells.

3 The other symbology is the shape of the  
4 figure around the wellbore and the well location  
5 indicates the depth of penetration. Therefore, for  
6 instance, the upside-down triangles, if you will, most  
7 of them colored orange, are only Delaware depth.  
8 They're actually TD'd in the Bone Spring. They do not  
9 go to the Morrow.

10 The well, the critical control for our  
11 proceeding today are the circles which are wells that  
12 were drilled to the Morrow depth.

13 I would also like to point out that some of  
14 the wells have two colors on them. Some are half-red  
15 and half-bluish or purple color. The bluish or purple  
16 color is the Atoka formation. So some of them did  
17 produce in the Morrow. Now they're in the Atoka or  
18 vice versa.

19 Lastly, I guess I'd point out the line of  
20 cross-section labeled A-A', which will be the next  
21 exhibit.

22 Q. Let's move on to Exhibit 7 and discuss your  
23 cross-section.

24 A. Exhibit 7 is cross-section A-A'. It is for  
25 the portion of the stratigraphic section that is the

1 upper portion of the Morrow.

2 As you can see, the first line from the top  
3 is labeled the top of the Morrow. Also highlighted  
4 are two sands. One, the upper one called the Pure  
5 Gold Sand, a local name that we've adopted. And then  
6 the lower sand highlighted is the Poker Lake Sand used  
7 by a lot of operators through there.

8 Indicated along the line of section are the  
9 four wellbores that are shown on the production map.  
10 And we'd like to point out the perforated intervals in  
11 each wellbore, you can see which sands are completed,  
12 currently completed, or were in the various sands.  
13 And those that do not have perforations, of course,  
14 are still behind pipes such as the well third from the  
15 left called the Santa Fe North Pure Gold 8. That well  
16 is currently only in the Poker Lake Sand and the Pure  
17 Gold Sand is behind pipe.

18 Q. What is the current status of the Yates  
19 Petroleum well?

20 A. The Yates Petroleum Medano "VA" State #2  
21 was a producer in the Poker Lake Sand and has now been  
22 recompleted in the Delaware. That's indicated also on  
23 the production map where the circle is half red and  
24 half orange.

25 Q. Would you move on to your Exhibit 8 and

1 discuss the Poker Lake Sand in a little more detail?

2 A. Exhibit 8 is an isopach map of the Poker  
3 Lake Sand. It is called a net clean sand picked from  
4 a gamma ray. And using this exhibit in conjunction  
5 with the cross-section, one can see that the first two  
6 wells from the left have zero feet of net clean sand  
7 of Poker Lake, and that indeed is established on the  
8 cross-section.

9 The well in Section 8, which is our North  
10 Pure Gold 8 No. 1, has 20 feet of the Poker Lake Sand  
11 and is currently completed in that sand. The  
12 cross-section then shows it goes to the proposed  
13 location, and then on down to the Yates well. And you  
14 can see the Yates well has 13 feet of this sand, and,  
15 as I mentioned, was originally completed in the sand  
16 but the completion -- the production did not hold up  
17 and has since been recompleted.

18 The sand body, as one can see, is roughly a  
19 north-south linear sand body is our interpretation,  
20 more than likely a fluvial-type sand deposit reaching  
21 maximum thickness at 20 or just above 20 feet by the  
22 well control.

23 I'd like to point out that the proposed  
24 location for our requested unorthodox well being  
25 labeled the No. 2, Well No. 2 in Section 9, would

1 encounter, approximately by the mapping 10 feet of the  
2 sand. And if this well were to be drilled at an  
3 orthodox location, being 1980 off the end line of that  
4 320-acre proration unit, we would be virtually at zero  
5 or outside the sand body. Hence, our request for the  
6 unorthodox location.

7 Q. And you have pretty good well control in  
8 this immediate area, don't you, Mr. Seiler?

9 A. Particularly in the immediate area where  
10 the proposed location, requested proposed location is  
11 located with the Yates well to the south having --  
12 actually, two Yates wells to the south having the  
13 sand, and then our well up in Section 8 having the  
14 sand, and then the negative control, if you will, the  
15 zero wells in the proximity of that location. I think  
16 I would characterize this as fairly well controlled,  
17 yes.

18 Q. Would you move on to your Exhibit 9 and  
19 discuss the Pure Gold Sand?

20 A. Okay. Exhibit 9 is a similar type of map,  
21 being a net clean sand map once again. And this is of  
22 the Pure Gold Sand. Pure Gold Sand we feel is quite a  
23 different sand. It attains greater thicknesses. As  
24 one can see again in the well in Section 8, North Pure  
25 Gold 8 No. 1, the sand achieves a thickness of 35

1 feet. One will note on the map that that well is not  
2 colored red, and again that is because that zone is  
3 still behind pipe as that well is completed in the  
4 lower zone of the Poker Lake.

5 More specifically, too, the shape and all  
6 of the sand, I believe that this sand is more of a bar  
7 or a composite bar geometry, the sand again achieving  
8 thicknesses of 35 feet or actually down to the south  
9 in Section 20 up to 41 feet.

10 Control, once again, is virtually  
11 identical. And we see that in the Yates well to the  
12 south, this sand was not present, the Yates Medano VA  
13 No. 2. We had 35 feet in ours, and, once again, we  
14 were requesting the unorthodox location to achieve a  
15 greater thickness of this potential sand body.

16 Admittedly, we would be able to encounter  
17 this sand by the mapping -- we would be able to  
18 encounter the sand body at an orthodox location.  
19 However, it would be of obviously thinner -- by the  
20 map, obviously a thinner deposit, and we feel we have  
21 to maximize our objectives here and obtain the maximum  
22 benefit by getting into the thickest part of the  
23 deposit that we can.

24 Q. This area, looking at your production map,  
25 is also prospective in the Delaware, isn't it, Mr.

1 Seiler?

2 A. That's correct. Referring back to the  
3 production map, Exhibit 6, again, one will notice all  
4 the orange upside-down triangles, and this is a  
5 rapidly developing Delaware field. And we believe  
6 that the location in 9, No. 2, would be very  
7 prospective in the Delaware. As you can see, some of  
8 the completions are quite recent, and all we were able  
9 to put down were the initial potentials.

10 For instance, the No. 17 well of Yates in  
11 Section 16 immediately south of our proposed location  
12 had an initial potential of 312 barrels.

13 Our No. C-17 No. 5 in the northeast  
14 northeast of Section 17, which would be the diagonal  
15 offset of the unorthodox requested location, had an IP  
16 of 354 barrels. And so, therefore, we think this is  
17 very prospective in the Delaware and think this is  
18 important to us to again stack our objectives,  
19 considering we're about to, if granted, we would be  
20 drilling -- risking \$1.6 million. We feel it's  
21 important to stack the objectives.

22 Q. As to the Delaware, this would be a  
23 standard location?

24 A. That's correct. Asking 660-660 off the  
25 west and south, and that would be a standard location



1 in the Delaware on 40's.

2 Q. By drilling this well, would it help prove  
3 up the north half of Section 9?

4 A. We feel, yes, it would be an important  
5 step. And if this well works in the Morrow in either  
6 of the two sands that we've discussed, being the Poker  
7 Lake or the Pure Gold, we would then have the  
8 opportunity to consider drilling another well in the  
9 north half of Section 9, and would come back to the  
10 Commission, more than likely, and ask for another  
11 unorthodox location to the north so that we could  
12 again get another well in the two Morrow sand bodies.  
13 And, therefore, I'd have two Morrow productive wells  
14 in Section 9.

15 Q. What is Exhibit 10, Mr. Seiler?

16 A. Exhibit 10 is a structure map. The datum  
17 for the structure map is a common datum that's used in  
18 the area. It's top of the lower Morrow. It's an  
19 excellent log marker that is beneath the depth of the  
20 cross-section. However, I think most operators  
21 readily identify and use that marker.

22 What the structure map shows is basically a  
23 nosing across the general area, and it's  
24 fault-bounded, we believe, on the southwest that's  
25 seismically controlled. But in the vicinity of our

1 proposed location, unorthodox proposed location, one  
2 can see that we would obtain a little bit of  
3 structural advantage by going to the 660-660 from the  
4 south and west location, being a little higher  
5 position on the nose, and, once again, feeling that  
6 this would give us a little more advantage in stacking  
7 our objectives and having structural advantage for  
8 what we consider a reasonably high risk well in the  
9 Morrow.

10 Q. Were Exhibits 6 through 10 prepared by you  
11 or under your direction?

12 A. Yes, they were.

13 Q. In your opinion, is the granting of this  
14 application in the interest of conservation, the  
15 prevention of waste, and the protection of correlative  
16 rights?

17 A. Yes, sir.

18 MR. BRUCE: Mr. Examiner, I move the  
19 admission of Exhibits 6 through 10.

20 EXAMINER CATANACH: Exhibits 6 through 10  
21 will be admitted as evidence.

22 EXAMINATION

23 BY EXAMINER CATANACH:

24 Q. Mr. Seiler, is structure important in this  
25 play?

1           A.     Typically, it is not a major component.  
2     One does notice, if you can catch these sands on the  
3     highs, they are somewhat better wells.  Our well in  
4     Section 8 is an excellent well in the Poker Lake.  It  
5     held up real fine, whereas by comparison, the Yates  
6     well in 16 started out wonderfully.  Initially, I  
7     think it had an IP of over 3 million a day but fell  
8     off fairly rapidly.  The reasons I don't know, but I  
9     do know the higher well on structure did better.  So  
10    it has an assisting component, if you will, but  
11    normally not crucial or critical.

12           Q.     Is there water production in this  
13    reservoir?

14           A.     No.  It's kind of a strange beast.  I don't  
15    know -- somehow the permeability is better higher on  
16    structure, whatever it is, but water does not appear  
17    to be a problem in the Morrow.

18           Q.     What pool is this, do you know?

19           A.     There are several pools in here.  There's  
20    the Sand Dunes West.  There's the Medano -- sorry --  
21    Las Medanos, Morrow.  It would fall in one of those  
22    two, I think.

23           Q.     You've mapped these sands just based on  
24    well control in the area?

25           A.     Yes, sir.

1 Q. Is there a significance, say, on the Poker  
2 Lake Sand to the 10 feet and the 20 feet cutoff that  
3 you've got colored in there?

4 A. No. It's kind of a sales tool we use in  
5 our company where we're showing our management. Just  
6 to show where the thicker, sweet spots are, we  
7 typically highlight with the yellow. There's really  
8 not -- it just shows the edges, if you will, the  
9 orange highlights the edges.

10 Q. What control are you using on the east side  
11 of that trend there?

12 A. On the Poker Lake?

13 Q. Yes.

14 A. Okay. Basically, you have, if you will,  
15 uniform contour spacing where you have the control,  
16 and you carry it, project that, if you will. And as  
17 you go to the north in Section 4, we have -- looking  
18 at the Poker Lake Sand, for instance, we have a well  
19 up there that had zero. And then also if you look up  
20 in Section 6, there's a well No. 7 that also had  
21 zero. And I basically just projected it more or less  
22 equally between those two zero points.

23 Q. Then you've got the well down in Section 16  
24 that had three feet?

25 A. Yes, which helped set up, if you will, the

1 contour spacing.

2 Q. And you basically did the same procedure in  
3 the Pure Gold Sand?

4 A. Correct.

5 Q. Is the Pure Gold the most prolific sand in  
6 the area?

7 A. To date. However -- that is correct.

8 However, I think the Pure Gold Sand development in the  
9 8 No. 1, that's the well in Section 8, today is  
10 untested, and I think it may prove to be quite good.

11 Highlighted on the cross-section, I should  
12 have pointed out, I guess, in red, the area shaded in  
13 red is the footage of 10 percent density porosity or  
14 greater. And you can see that the two sands are quite  
15 similar in that North Pure Gold 8 No. 1 on the  
16 cross-section.

17 Q. You said that's still behind pipe in that  
18 well?

19 A. Correct, correct.

20 Q. Do you propose to perforate both zones in  
21 your new well?

22 A. I think we would probably do the same as  
23 we've done in the 8 No. 1. And that is if we get a  
24 satisfactory well in the lower sand, and it has and  
25 maintains a sufficient rate, then we would stay in

1 that until such time as the rate dropped off and  
2 pressures warranted and so on.

3 EXAMINER CATANACH: I have nothing further.

4 MR. STOVALL: Nothing from me.

5 EXAMINER CATANACH: The witness may be  
6 excused.

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

10 EXAMINATION

11 BY MR. BRUCE:

12 Q. Would you please state your name for the  
13 record.

14 A. Randy Offenberger.

15 Q. Who do you work for, and in what capacity?

16 A. I work for Santa Fe Energy Resources as a  
17 petroleum engineer.

18 Q. Have you previously testified before the  
19 Division?

20 A. Yes, I have.

21 Q. Were your credentials as an engineer  
22 accepted as a matter of record?

23 A. Yes.

24 Q. Are you familiar with the engineering  
25 matters related to this application?

1           A.     Yes, I am.

2           MR. BRUCE:   Mr. Examiner, I'd tender Mr.  
3   Offenberger as an expert petroleum engineer.

4           EXAMINER CATANACH:   The witness is so  
5   qualified.

6           Q.     (BY MR. BRUCE)   Mr. Offenberger, what are  
7   you going to testify about today?

8           A.     I want to testify today about a drainage  
9   study which reflects inadequate draining by the offset  
10  wells in Section 8 and also Section 16 where an  
11  additional well is necessary up in Section 9 to  
12  further drain the reservoir.

13          Q.     Okay.   Would you refer to your Exhibit 11  
14  and discuss for the examiner its contents.

15          A.     Exhibit 11 is a summary of my drainage  
16  study that I performed.   The table itself shows the  
17  two wells, the first well being the Santa Fe Pure Gold  
18  8 No. 1 well which is located in the southeast quarter  
19  of Section 8.   The second well that I want to focus on  
20  is the well in Section 16 which is the Yates Medano  
21  "VA" State #2.

22                 Going back to the North Pure Gold 8 No. 1,  
23  it's currently completed in the Poker Lake Sand.   The  
24  interval is 13,966 to 86.   We've got 20 foot of net  
25  pay in the wellbore.   We've got 12 percent porosity,

1 estimated 25 percent water saturation, and a bottom  
2 hole pressure initially in the well of 6781. Bottom  
3 hole temperature is 595. Initial gas volume formation  
4 factor is 403. That calculation equates to 1580 Mcf  
5 per acre-foot in the reservoir.

6           Going down to the bottom of that column,  
7 we've got a cumulative production from that well to  
8 date through 5 of '93 of 1486 million cubic feet.

9           Our estimated ultimate recovery from that  
10 well based on decline curve analysis is 3059 million.

11           Going back and calculating the drainage  
12 area affected by the ultimate recovery from that  
13 particular well indicates that well will drain 107  
14 acres of reservoir.

15           Q. As a result, would you expect any adverse  
16 effect on the offset acreage as a result of drilling  
17 the proposed well?

18           A. No.

19           Q. Now, what sand are you calculating this  
20 drainage radius?

21           A. This sand is the Poker Lake Sand.

22           Q. Would you anticipate similar drainage in  
23 the Pure Gold Sand?

24           A. Yes, I would.

25           Q. Without going into detail, what does the



1 Yates well drainage show?

2 A. The Yates well didn't perform quite as  
3 well. That drainage study or drainage calculation  
4 shows approximately nine acres of drain from that  
5 wellbore. Its ultimate recovery is 168 million. It  
6 has been recompleted to the Delaware formation in  
7 April of this year.

8 Q. In your opinion, is the granting of this  
9 application in the interest of conservation, the  
10 prevention of waste?

11 A. Yes.

12 Q. Was Exhibit 11 prepared by you?

13 A. Yes, it was.

14 MR. BRUCE: Mr. Examiner, I tender Exhibit  
15 11 for the record.

16 EXAMINER CATANACH: Exhibit 11 will be  
17 admitted as evidence.

18 EXAMINATION

19 BY EXAMINER CATANACH:

20 Q. Mr. Offenberger, you stated that you  
21 thought it would be similar producing characteristics  
22 in the Pure Gold Sand. What do you base that on?

23 A. On the production characteristics we've  
24 seen so far on the recompletion of the Pure Gold C-17  
25 No. 2 into the Pure Gold Sand, its producing

1 characteristics are similar to what we're seeing in  
2 the well in Section 8.

3 And we also performed a preliminary  
4 drainage study on that particular well in the Pure  
5 Gold Sand, and it will probably ultimately drain 90  
6 acres.

7 Q. In the No. 1 well?

8 A. The C-17 No. 2, which is located in the  
9 northeast quarter of 17.

10 EXAMINER CATANACH: Okay. I have nothing  
11 further. The witness may be excused.

12 Anything further, Mr. Bruce?

13 MR. BRUCE: Nothing further in this case,  
14 Mr. Examiner.

15 EXAMINER CATANACH: There being nothing  
16 further, Case 10837 will be taken under advisement.

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CERTIFICATE OF REPORTER

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

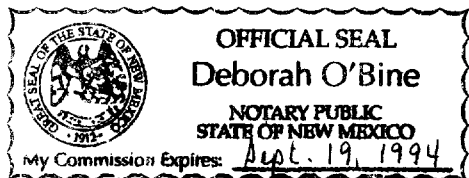
I, Deborah O'Bine, Certified Shorthand Reporter and Notary Public, HEREBY CERTIFY that I caused my notes to be transcribed under my personal supervision, and that the foregoing transcript is a true and accurate record of the proceedings of said hearing.

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

WITNESS MY HAND AND SEAL, October 16, 1993.

*Deborah O'Bine*

DEBORAH O'BINE  
CCR No. 63



I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 70-37 heard by me on October 7 1993.  
*David R. Catamb*, Examiner  
Oil Conservation Division