

## NEW MEXICO OIL CONSERVATION DIVISION

STATE LAND OFFICE BUILDING

STATE OF NEW MEXICO

## IN THE MATTER OF:

The Application of Santa Fe Energy  
Operating Partners, L.P., for Pool  
Contraction and Expansion, Eddy  
County, New Mexico.

CASE 10986

The Application of Santa Fe Energy  
Operating Partners, L.P., for an  
Unorthodox Gas Well Location and  
Nonstandard Gas Proration Unit,  
Eddy County, New Mexico.

CASE 10987

The Application of Santa Fe Energy  
Operating Partners, L.P., for an  
Unorthodox Gas Well Location and  
Nonstandard Gas Proration Unit,  
Eddy County, New Mexico.

CASE 10988

The Application of Santa Fe Energy  
Operating Partners, L.P., for an  
Unorthodox Gas Well Location and  
Nonstandard Gas Proration Unit,  
Eddy County, New Mexico.

CASE 10977

The Application of Santa Fe Energy  
Operating Partners, L.P., for an  
Unorthodox Gas Well Location and  
Nonstandard Gas Proration Unit,  
Eddy County, New Mexico.

CASE 10989

## BEFORE:

JIM MORROW

Hearing Examiner

State Land Office Building

June 9, 1994

COPY

1 Reported by:

2 Carla Diane Rodriguez, CCR  
3 State of New Mexico  
4 NMCCR No. 4

5

A P P E A R A N C E S

6 FOR THE APPLICANT:

7 HINKLE, COX, EATON, COFFIELD & HENSLEY  
8 Post Office Box 2068  
9 Santa Fe, New Mexico 87504-2068  
10 BY: JAMES BRUCE, ESQ.

11 FOR MARATHON OIL COMPANY and  
12 NEARBURG PRODUCTION COMPANY:

13 KELLAHIN & KELLAHIN  
14 Post Office Box 2265  
15 Santa Fe, New Mexico 87504-2265  
16 BY: W. THOMAS KELLAHIN, ESQ.

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25

## I N D E X

## Page Number

Appearances

2

## WITNESSES FOR THE APPLICANT:

1.

GARY GREEN

Examination by Mr. Bruce

5

Examination by Mr. Morrow

11

2.

GENE H. DAVIS

Examination by Mr. Bruce

14, 47

Examination by Mr. Kellahin

25

Examination by Mr. Morrow

35

Certificate of Reporter

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## E X H I B I T S

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Exhibit No. 1

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Exhibit No. 2

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Exhibit No. 3

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Exhibit No. 4

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Exhibit No. 5

22

Exhibit No. 6

22

Exhibit No. 7

22

Exhibit No. 8A

24

Exhibit No. 8B

24

1 EXAMINER MORROW: I'll now call Case  
2 10986, and call for appearances.

3 MR. BRUCE: Mr. Examiner, Jim Bruce  
4 representing the Applicant. I have two witnesses  
5 to be sworn. And I would also ask at this time  
6 that this case be consolidated with the next four  
7 cases, Case Nos. 10987, 10988, 10989 and 10977.

8 EXAMINER MORROW: All right. That's  
9 fine. We will consolidate those cases for  
10 purposes of hearing. Would you, Mr. Bruce, go  
11 ahead and read the description of those cases for  
12 us.

13 MR. BRUCE: Sure. Mr. Examiner, 10986  
14 is the application of Santa Fe Energy Operating  
15 Partners, L.P., for pool contraction and  
16 expansion, Eddy County, New Mexico.

17 The remaining four cases, 10987, 10988,  
18 10989 and 10977 are all applications of Santa Fe  
19 Energy for unorthodox gas well locations and  
20 nonstandard gas proration units in Eddy County.

21 EXAMINER MORROW: I believe there's one  
22 other appearance in this case.

23 MR. KELLAHIN: If the Examiner please,  
24 I'm Tom Kellahin of the Santa Fe law firm of  
25 Kellahin & Kellahin, appearing today on behalf of

1 Marathon Oil Company and Nearburg Exploration  
2 Company. I have no witnesses.

3 EXAMINER MORROW: Will the witnesses  
4 please stand to be sworn.

5 [And the witnesses were duly sworn.]

6 MR. BRUCE: Call Mr. Green to the  
7 stand.

8 **GARY GREEN**

9 Having been first duly sworn upon his oath, was  
10 examined and testified as follows:

11 EXAMINATION

12 BY MR. BRUCE:

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

15 A. My name is Gary Green.

16 Q. Who do you work for and in what  
17 capacity?

18 A. I'm a landman for Santa Fe Energy  
19 Company.

20 Q. Have you previously testified before  
21 the Division as a landman?

22 A. Yes, I have.

23 Q. Were your credentials accepted as a  
24 matter of record?

25 A. Yes, they were.

1 Q. Are you familiar with the land matters  
2 involved in these five cases?

3 A. Yes, I am.

4 MR. BRUCE: Mr. Examiner, I tender Mr.  
5 Green as an expert petroleum landman.

6 EXAMINER MORROW: We'll accept Mr.  
7 Green.

8 Q. Mr. Green, first, Case 10986, what does  
9 Santa Fe seek in that case?

10 A. Santa Fe seeks to contract the Indian  
11 Basin-Upper Pennsylvanian Gas Pool, by deleting  
12 from the pool Sections 4 through 8, in Township  
13 22 South, Range 24 East, and Section 1 in  
14 Township 22 South, Range 23 East, and adding that  
15 acreage to the Upper Basin of the Indian  
16 Basin-Upper Pennsylvanian Associated Pool.

17 The acreage was once productive in the  
18 gas pool, however, recent completions have been  
19 oil wells in the interval productive in the  
20 Associated Pool.

21 Q. As a result, does Santa Fe believe that  
22 additional wells in this area should be governed  
23 by the pool rules for the Associated Pool?

24 A. Yes. The transfer of acreage to the  
25 Associated Pool will simplify approvals for wells

1 planned in the area by Santa Fe and other  
2 operators.

3 Q. What is Exhibit 1?

4 A. Exhibit 1 is the land plat of the area  
5 which shows in yellow the six sections that Santa  
6 Fe seeks to add to the Associated Pool, and the  
7 four proposed well locations.

8 It also shows all the offset operators  
9 to the nonstandard unit location applications are  
10 identified on the plat.

11 Q. What interests does Santa Fe own in  
12 these six sections?

13 A. Santa Fe operates Sections 4 through 8,  
14 and owns all the leases except for two 40-acre  
15 tracts which are owned by Yates.

16 Q. What about Sections 1 and 6?

17 A. Santa Fe also owns a working interest  
18 in Sections 1 and 6. Those sections are operated  
19 by Yates Petroleum.

20 Q. How many oil wells on this subject  
21 acreage has Santa Fe completed at this time?

22 A. Santa Fe has completed one in the south  
23 half of Section 5, one in the south half of  
24 Section 8. Both are oil wells.

25 Also, we're currently reentering the

1 well in the north half of Section 8.

2 Q. And Yates is also active in this area,  
3 is that correct?

4 A. Yes. Yates has completed one well in  
5 Section 6 and also a well down in Section 17.

6 Q. How many additional wells does Santa Fe  
7 currently have planned for this acreage?

8 A. Four. In the remaining cases, Santa Fe  
9 seeks approval to drill four wells to test the  
10 intervals productive in the Associated Pool,  
11 which is spaced on 320 acres.

12 Yates has proposed two wells, one in  
13 Section 1 and one in Section 6; however, our four  
14 proposed wells occur within the boundaries of the  
15 gas pool and require approval for nonstandard  
16 320-acre units.

17 In addition, all the locations are  
18 nonstandard under the special rules for the gas  
19 pool, and Santa Fe requests approval of the  
20 locations.

21 Q. Now, if the pool contraction and  
22 expansion application is granted, should Case  
23 10977, which concerns the east half of Section 7,  
24 and 10987, which concerns the south half of  
25 Section 4 be dismissed?



1           A.       Yes.   If Sections 4 and 7 are included  
2 in the Associated Pool, these well units and  
3 locations will then be standard.

4           Q.       What about the remaining two cases,  
5 10988 and 10989?

6           A.       We still need orders on these cases  
7 even if the Associated Pool is expanded. The  
8 north half of Section 5, Case No. 10988, and the  
9 west half of Section 7, Case 10989, are partly  
10 comprised of lots that are not standard 320-acre  
11 units.

12                   Also, the locations are nonstandard by  
13 being too close to the quarter/quarter section.

14          Q.       Are all of the proposed wells on  
15 federal land?

16          A.       Yes.

17          Q.       And has the BLM changed any of your  
18 originally requested well locations?

19          A.       Yes, they have. As a matter of fact,  
20 yesterday the BLM changed two locations for us or  
21 on us. Case No. 10987, the south half of Section  
22 4, the new location is 660 from the south line  
23 and 2300 from the west line. This is a standard  
24 location for a 320-acre unit.

25                   Case No. 10989, the west half of

1 Section 7, the new location is 1600 feet from the  
2 north line and 1400 feet from the west line, and  
3 this location is nonstandard for both 320 and  
4 640-acre units.

5 MR. BRUCE: Mr. Examiner, because of  
6 that, I believe Case 10989 would have to be  
7 readvertised, because it is changed to, probably,  
8 a more unorthodox location.

9 EXAMINER MORROW: Was it already  
10 unorthodox?

11 MR. BRUCE: It was already unorthodox.

12 EXAMINER MORROW: For my education, why  
13 do you feel that way? Offset notice?

14 MR. BRUCE: Really, just for the  
15 advertisement, I think. I think we had  
16 originally requested 1650 feet from the west  
17 line.

18 EXAMINER MORROW: And it's going 1400?

19 MR. BRUCE: Yes.

20 EXAMINER MORROW: All right. Go  
21 ahead.

22 Q. (BY MR. BRUCE) Finally, Mr. Green, was  
23 notice of the pool contraction/expansion  
24 application given to all operators in both the  
25 gas pool and the Associated Pool?

1 A. Yes, they were.

2 Q. Was notice of each nonstandard unit and  
3 nonstandard location application given to the  
4 offsets of each section?

5 A. Yes. Exhibit 2 is my affidavit  
6 regarding notice of all applicants.

7 Q. And you rolled all of the notice  
8 applications into one letter?

9 A. Yes, I did.

10 Q. In your opinion, is the granting of  
11 these five applications in the interest of  
12 conservation and the prevention of waste?

13 A. Yes.

14 Q. Were Exhibits 1 and 2 prepared by you  
15 or under your direction?

16 A. Yes, they were.

17 MR. BRUCE: Mr. Examiner, I move the  
18 admission of Santa Fe Exhibits 1 and 2.

19 EXAMINER MORROW: 1 and 2 are  
20 admitted.

21 EXAMINATION

22 BY EXAMINER MORROW:

23 Q. Are wells currently completed in each  
24 of the sections, Mr. Green, in the oil section?  
25 I know you went through that, but I didn't--

1           A.       No, sir. Santa Fe has a well completed  
2 in the south half of Section 8, the Old Ranch  
3 Knoll No. 2.

4                   We have a well completed in the south  
5 half of Section 5, which is the Nagooltee Peak  
6 Federal No. 2. We're currently reentering a well  
7 in the north half of Section 8.

8           Q.       Section what?

9           A.       Section 8. In the oil pool, there are  
10 no wells in Sections 4 or 7. There's currently  
11 one in Section 6 that's operated by Yates  
12 Petroleum. So, there's no production from the  
13 oil pool in Sections 4 or 7 at this time, or 1.

14          Q.       Now, the oil completions that are  
15 there, what pool are they assigned to at this  
16 time?

17                   MR. BRUCE: I looked at the well files,  
18 Mr. Examiner, and there were some notations on  
19 the C-104s, I think notations by the OCD, that  
20 they were designated as oil wells in the gas  
21 pool, so I believe they were assigned to the  
22 Indian Basin-Upper Penn gas.

23                   EXAMINER MORROW: Okay.

24          Q.       (BY EXAMINER MORROW) Now, these wells  
25 shown on Exhibit 1, are they some of those

1 wells?

2 A. No, sir. The wells shown with the red  
3 squares, those are the wells that we propose to  
4 drill. They are shown on this plat, but they're  
5 real small and they're shown as locations on this  
6 plat. The Old Ranch Knoll No. 2 is located there  
7 in the southeast of the southwest quarter, and  
8 the Nagooltee Peak 5 No. 2 is located in the  
9 southeast quarter of Section 5.

10 Q. Do you have an extra copy of your notes  
11 you were testifying from?

12 A. Yes, sir, I do.

13 Q. I would request that you let me have a  
14 copy of that.

15 A. Okay.

16 EXAMINER MORROW: Thank you, sir.  
17 Anything more?

18 MR. BRUCE: Nothing from this end.

19 EXAMINER MORROW: Mr. Kellahin, did you  
20 have questions?

21 MR. KELLAHIN: No, sir.

22 EXAMINER MORROW: Thank you, then.

23 **GENE H. DAVIS**

24 Having been first duly sworn upon his oath, was  
25 examined and testified as follows:

## EXAMINATION

BY MR. BRUCE:

Q. Would you please state your name and city of residence?

A. My name is Gene Davis. I live in Midland, Texas.

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

A. I'm the division geological/geophysical manager for Santa Fe Energy Resources.

Q. Have you previously testified before the Division as an expert petroleum geologist?

A. Yes, I have.

Q. Were your credentials accepted by the Examiner as a matter of record?

A. Yes, they were.

Q. Are you familiar with the geology involved in all five of the applications?

A. Yes, sir, I am.

MR. BRUCE: Mr. Examiner, I tender Mr. Davis as an expert petroleum geologist.

EXAMINER MORROW: Fine. Mr. Davis is accepted as a petroleum geologist.

Q. Would you refer to Santa Fe's Exhibit 3, identify it for the Examiner, and discuss the

1 color scheme for the Examiner?

2 A. Certainly. Mr. Examiner, Exhibit 3 is  
3 a land map of what we call the Saginaw Prospect.  
4 It is the south portion of the Indian Basin field  
5 area.

6 I'll just go through the color scheme  
7 with you first. Basically, it depicts the  
8 acreage dedications for the Southeast Indian  
9 Basin pools. The yellow acreage is acreage that  
10 is currently dedicated to the Indian Basin-Upper  
11 Penn Gas Pool. The acreage that is shown in  
12 orange is acreage that is dedicated to the Indian  
13 Basin-Upper Penn Associated Oil and Gas Pool.

14 The acreage that is shown with a green  
15 cross-hatch over the yellow, that acreage is  
16 acreage that was originally dedicated to the  
17 Indian Basin-Upper Penn Gas Pool, and this is the  
18 acreage that Santa Fe is requesting to have  
19 transferred to the Indian Basin-Upper Penn  
20 Associated Oil and Gas Pool.

21 That acreage would include, of course,  
22 the south half of Section 8 and the south half of  
23 Section 5, which is shown in green on this plat.  
24 That is because that acreage is productive from  
25 the Indian Basin-Upper Penn Associated Gas Pool,

1 even though that is currently acreage that is  
2 classified to be in the Indian Basin Gas Pool,  
3 where you have oil wells producing in the gas  
4 pool.

5           The discovery well for the Indian Basin  
6 Associated Pool is located in the north half of  
7 Section 17. That is the well that has the star  
8 around it. It would be the farthest south block  
9 of the acreage that is colored green. That is  
10 the Yates Petroleum Company Hickory ALV Fed No. 1  
11 well, which was a reentry of an old Pan American  
12 well that was plugged and abandoned in 1965 and  
13 then recompleted by Yates in December of 92 as a  
14 Morrow well, and additionally completed as a dual  
15 completion from the Canyon formation in June of  
16 93.

17           Q.       What are the red squares, Mr. Davis?

18           A.       The red squares are the well locations  
19 that Santa Fe Energy is requesting to have  
20 approved in the hearing. There are two in  
21 Section 7, one in Section 4, and one in the north  
22 half of Section 5.

23           The additional red square that is shown  
24 in the north half of Section 8 is a well we are  
25 currently reentering. It is an old Amoco and/or



1 Trigg well. We call it the Old Ranch Knoll 8 No.  
2 1. It is a well that had been productive from  
3 the Indian Basin Gas Pool. It was plugged and  
4 abandoned in 1982, and we're reentering that  
5 well, trying to make a completion in the lower  
6 pool of the Indian Basin Associated Pool.

7 What you'll notice, in all of the well  
8 locations shown on the acreage that we're  
9 interested in here, we have shown the name of the  
10 well, also the operators, and I've shown the  
11 dates the wells were plugged and abandoned and  
12 recompleted or completed, whatever the case may  
13 be.

14 Q. Why don't you move on to your Exhibit 4  
15 and identify that for the Examiner and discuss  
16 its contents.

17 A. Exhibit 4 is a structural cross-section  
18 across the area. The line of that cross-section  
19 is shown on all of the maps that I'll talk about  
20 here in the hearing. You can see that  
21 cross-section is shown on Exhibit 3 rather well.  
22 It snakes across the acreage from north to south  
23 and is labeled A to A', HRG. It's a long  
24 cross-section; I apologize.

25 This is a structural cross-section,

1 basically running from south to north, south  
2 being on the left-hand side of the cross-section.  
3 It is hung on a subsea datum of minus 3700 feet.

4 On the left, on the south, is the  
5 discovery well, which is the Yates Hickory ALV  
6 well, the No. 1 well. Along the top of the  
7 cross-section are the well names for all the  
8 wells that are in the cross-section.

9 You'll see that there are five wells  
10 that have red squares with a circle on top of  
11 them. Those are the wells--four of them are  
12 wells that Santa Fe Energy is proposing to drill  
13 along the subject acreage. The fifth one, which  
14 is located on the northern end of the  
15 cross-section, is a well that Yates Petroleum  
16 plans to drill in Section 1, the Zingaro ANG Fed  
17 No. 1.

18 There are a number of lines on the  
19 cross-section, just to orient you. There's a  
20 datum of minus 3700 feet. The very top line is  
21 the line that delineates the top of the Cisco  
22 Canyon dolomite. The basal line, or the base of  
23 the Cisco Canyon dolomite, again is another  
24 irregular line which trends across the  
25 cross-section. And then there are two structural

1 lines shown that are very horizontal lines, minus  
2 3754 and 4757.

3 Minus 3754 is what I interpret to be  
4 the top of the Indian Basin-Upper Penn Associated  
5 Pool, the top of the interval that would be  
6 productive of oil and gas and water. Above that  
7 point, you'll notice that the reservoir is  
8 colored red. That is the Indian Basin-Upper Penn  
9 Gas Pool. Within that zone, wells completed  
10 there produce gas and water and a condensate,  
11 with a degree of gravity of 59 to 62 degrees.

12 The green pool, the Indian Basin-Upper  
13 Penn Associated Pool, it produces gas and oil and  
14 water as well, the oil having a 42-degree  
15 gravity.

16 Q. How many wells are currently completed  
17 in the Associated Pool?

18 A. Currently, there are five wells that  
19 are actually producing from the--maybe, actually  
20 six wells that are actually producing from the  
21 pool. In the area where we are located, there  
22 are four: The Hickory ALV, operated by Yates;  
23 the Nagooltee Peak 5 No. 1, operated by Santa Fe;  
24 the Old Ranch Knoll 8 No. 2, operated by Santa  
25 Fe; and the Yates Brannigan ANF Fed No. 1 well,

1 operated by Yates again. That's in Section 6.

2 I want to call your attention to the  
3 Brannigan well, the well located, the second well  
4 on the right-hand side of the cross-section.  
5 It's a Yates well. Yates reentered an old  
6 Amoco/Trigg well, the Federal IB 1-6 well and  
7 renamed it the Brannigan ANF Fed No. 1.

8 On that well, I've shown you that that  
9 well is productive from the entire interval, as  
10 indicated by the black markings down the center  
11 of the log.

12 EXAMINER MORROW: Which well is that?

13 THE WITNESS: That's the Yates  
14 Brannigan ANF Fed No. 1, on the right-hand side  
15 of your cross-section.

16 A. You'll notice it's producing from perfs  
17 all the way down in the upper pool, the gas pool,  
18 the red area, and also down into the green pool,  
19 the Indian Basin-Upper Penn Associated Pool.  
20 This well was originally completed as a gas well  
21 from perforations at 7430 down through 7554, and  
22 made a very good gas producer, but was plugged  
23 and abandoned because of water production in  
24 December of 86.

25 It was then reentered and recompleted

1 by Yates in October of 93, from perforations  
2 ranging from 7430 all the way down to 7896. It  
3 potentialed, producing 10 barrels of oil, 1.7  
4 million cubic foot of gas, and 4633 barrels of  
5 water per day. The gravity of the crude was  
6 estimated at 42 and not 59, which reflects the  
7 production of oil from that Indian Basin-Upper  
8 Penn Associated Oil and Gas Pool.

9 Q. You mentioned six wells in this area  
10 had been completed in the Indian Basin-Upper Penn  
11 gas pool. These are reflected on this  
12 cross-section, are they not?

13 A. They are. They're all shown having gas  
14 symbols with a slash through them.

15 Q. Were they all plugged and abandoned?

16 A. Yes, they've all been plugged and  
17 abandoned at this point, except for the Brannigan  
18 well, which has been reentered.

19 Q. When were they plugged?

20 A. All of the wells that were producing  
21 from the Indian Basin Gas Pool were all plugged  
22 in the early to middle 80s. They were plugged  
23 because they were producing a large volume of  
24 water, which was making the wells uneconomical to  
25 operate. So all of the operators plugged those

1 wells.

2 Q. Mr. Davis, let's move on to your  
3 Exhibits 5, 6 and 7. Why don't you introduce  
4 these exhibits and go over them briefly.

5 A. Okay. Exhibit No. 5 is a structure map  
6 on top of the Cisco Canyon dolomite. Exhibit No.  
7 6 is an isopach map of the Cisco Canyon dolomite  
8 interval itself. That would be the entire  
9 reservoir interval. That would include both the  
10 Indian Basin Gas Pool and the Indian Basin  
11 Associated Oil and Gas Pool.

12 And the last exhibit, Exhibit No. 7, is  
13 the gross dolomite isopach of just the Upper Penn  
14 Associated reservoir, the actual pool that we're  
15 attempting to transfer the acreage into.

16 All of these maps have the same basic  
17 legend across the bottom. The red squares,  
18 again, are the proposed locations. The stippled  
19 acreage is acreage Santa Fe has an interest in,  
20 and there are a number of symbols to indicate  
21 whether they are Cisco Canyon gas producers that  
22 were in the Indian Basin gas field. Those are  
23 shown by the six point star.

24 The Cisco Canyon oil producers are  
25 shown as a green triangle.

1           Going back to the map, Exhibit No. 5,  
2   the structure map, you can see that across the  
3   acreage we are basically trending updip, going  
4   from south to north, ranging from about minus  
5   4050 feet up to a high of minus 3500 or 3450 feet  
6   or so.

7           The isopach map of the Cisco Canyon  
8   dolomite, Exhibit No. 6, shows that you have a  
9   marked thickening of the reservoir interval from  
10   south to north as well, across the acreage  
11   position, ranging from zero on the south up to  
12   greater than 700 feet in thickness.

13          The last map, the gross dolomite  
14   isopach of the Upper Penn Associated Reservoir,  
15   this shows rather well that the thickness of this  
16   particular oil and gas pool ranges from zero,  
17   along the south end of the acreage position, or  
18   the acreage we wish to have transferred, to  
19   greater than 300 feet up on the north end.

20          By using this particular map in  
21   conjunction with the cross-section, A to A', you  
22   can see that the Upper Penn Associated Pool  
23   extends all the way underneath the acreage that  
24   we intend to drill on, and this is one of the  
25   reasons we would like to have the acreage

1 transferred to that pool, because we do see the  
2 presence of that pool underneath that acreage.

3 Q. Do you believe it's easier to exploit  
4 the oil pool by using the Associated Pool rules?

5 A. Yes, I do. It allows for the uniform  
6 development of the field itself, and gives us the  
7 flexibility of using those rules for that  
8 process.

9 Q. What are Exhibits 8A and 8B?

10 A. 8A and 8B, these are the completion  
11 reports on the two wells that Santa Fe operates  
12 in the subject acreage. The first, Nagooltee  
13 Peak 5 Federal No. 1, and 8B is the Old Ranch  
14 Knoll Fed Com No. 2. You can look at the  
15 production from those wells on test and see  
16 they're clearly oil wells. The Nagooltee Peak  
17 testing for 531 barrels of oil per day, while the  
18 Old Ranch Knoll tested for 401 barrels of oil per  
19 day.

20 Q. In your opinion, is the granting of  
21 these five applications in the interest of  
22 conservation, the prevention of waste, and the  
23 protection of correlative rights?

24 A. Yes, it is.

25 Q. Were Exhibits 3 through 8 prepared by



1 you or under your direction?

2 A. Yes, they were.

3 MR. BRUCE: I move the admission of  
4 Santa Fe Exhibits 3 through 8.

5 EXAMINER MORROW: 3 through 8 are  
6 admitted. Go ahead, sir.

7 MR. KELLAHIN: If you please, Mr.  
8 Examiner.

9 EXAMINATION

10 BY MR. KELLAHIN:

11 Q. Mr. Davis, let me ask you some points  
12 of clarification, if I may.

13 A. Certainly.

14 Q. Are you familiar with the Indian  
15 Basin-Upper Penn Gas Pool rule?

16 A. I think so.

17 Q. Are you also familiar with the Indian  
18 Basin Associated Pool rules for that Upper Penn  
19 pool?

20 A. I think so, yes.

21 Q. The well locations for the gas pool  
22 have a setback of 1650 from the side boundaries  
23 of the section?

24 A. To the best of my recollection, that's  
25 correct.

1           Q.       The Associated Pool, you can be as  
2 close as 790 to the outer boundary of the spacing  
3 unit?

4           A.       I would have to check.

5           Q.       Subject to check, do you see any  
6 reason, as we have the Gas Pool contiguous with  
7 the Associated Pool, to have any special rules  
8 along the buffer or the boundary where the two  
9 pools come together?

10          A.       I don't really see any reason to do  
11 that.

12          Q.       You don't see a problem with having the  
13 oil wells, if you will, the Associated Pool  
14 wells, being 790 from a gas pool, where the gas  
15 wells have to be 1650 from that common boundary?

16          A.       Speaking as a geologist, I don't think  
17 so, based on the fact that the pools are so  
18 different. The way the perforations are  
19 generally in the pools, they're so different, and  
20 one is much deeper than the other.

21          Q.       Have you had discussion with other  
22 operators of acreage and wells in this area?

23          A.       I've had some discussions with Yates  
24 and a couple of conversations with Marathon.

25          Q.       Was that an issue of concern to

1 anybody?

2 A. It's never come up at all.

3 Q. What do you do about the current oil  
4 wells in the gas pool, in terms of their  
5 producing oil allowable? Do you know?

6 A. I believe there's an allowable set  
7 for--well, for the current oil wells producing in  
8 the gas pool, I don't know that there's any  
9 subject on the allowable at all.

10 Q. You don't know whether they're applying  
11 a depth bracket oil allowable?

12 A. I would imagine that's what they're  
13 doing. I'm not sure.

14 Q. You don't know what acreage they're  
15 applying to that calculation?

16 A. No, I do not.

17 Q. Do you know whether any of the oil  
18 wells are curtailed or limited by an allowable?

19 A. Not that I'm aware of. The two wells  
20 that Santa Fe operates currently, we've just put  
21 one on production, the 8-1. The 5-1 is not tied  
22 into a pipeline yet.

23 Q. Do you know what the allowable would be  
24 for those wells in the Associated Pool?

25 A. The allowable for those wells in the

1 Associated Pool, I believe, is 920 barrels of oil  
2 per day.

3 Q. And, under the associated rules, you  
4 could have two oil wells in a 320?

5 A. That's correct.

6 Q. Each well located in a different 160?

7 A. That's correct.

8 Q. So that's a little different than what  
9 we have for the South Dagger Draw?

10 A. It is a little different than what is  
11 in the South Dagger Draw. The South Dagger Draw,  
12 you're allowed to drill as many wells as you want  
13 as long as you stay under the allowable for that  
14 320-acre proration unit, so the rules are  
15 slightly different, yes.

16 Q. You commented to Mr. Bruce that there  
17 was a flexibility, an advantage, to having these  
18 wells in the Associated Pool as opposed to the  
19 Gas Pool?

20 A. Being in the Associated Pool, you would  
21 obviously be able to drill more wells in that  
22 particular section, to drill for that pool. You  
23 would have the opportunity of drilling,  
24 basically, four wells. You would have two wells  
25 each on a 320-acre proration unit. You would

1 have more wells into the Associated Pool, that's  
2 correct.

3 Q. That's the basis for having you make  
4 that statement, then, that the Associated rules  
5 is better applied to these wells in this area  
6 than the Gas Pool rules?

7 A. These wells are oil wells, not gas  
8 wells, so I believe they should have oil pool  
9 rules applied to them.

10 Q. You can have oil wells in a gas pool?

11 A. Yes, you can. That's correct.

12 Q. When we look at the acreage in Section  
13 4 of 22/23, that is one of the proposed sections?

14 A. Section 4, 22/24.

15 Q. Yes. It's the westernmost Section 1?

16 A. Yes.

17 Q. That section does not have an oil well  
18 in it yet?

19 A. No, it does not.

20 Q. What is your argument or basis to have  
21 that section deleted from the Gas Pool and put in  
22 the Associated Pool?

23 A. Based on the geology shown on the gross  
24 dolomite isopach for the Upper Penn Associated  
25 Reservoir.

1 Q. Exhibit 7?

2 A. Exhibit 7, yes, sir. You use that in  
3 conjunction with Exhibit No. 4, which is the  
4 cross-section that goes across there. You'll see  
5 that, based on my work, there is between 200 and  
6 300 foot of reservoir that would be within the  
7 reservoir column for the associated pool, across  
8 that acreage. It's my opinion that a well  
9 drilled in Section 4 would encounter that pool,  
10 the Associated Pool, and you could produce oil  
11 from that pool underneath that acreage.

12 Q. Okay. If you're wrong and it's a gas  
13 well, what do you do?

14 A. I guess, if you were to drill the first  
15 well in there and you were wrong, and you ended  
16 up completing a gas well, you would have to come  
17 back to the Commission and ask to get the rules  
18 applied for it, or file the sundry notices that  
19 are necessary to get it produced. But you would  
20 obviously not be able to go in and drill an  
21 additional set of wells, more wells in there as  
22 oil wells.

23 Q. In the Associated Pool, in this  
24 particular pool, are you subject to the  
25 preclusion whereby you cannot simultaneously

1 dedicate the same acreage to a gas well as well  
2 an oil well? Do you have that in this pool?

3 A. Ask your question again, please.

4 Q. Sure. Under the general Associated  
5 Pool rules, unless they've been specifically  
6 amended, you are precluded from having the same  
7 acreage dedicated to a gas well and an oil well  
8 in the same reservoir. So, for example, in the  
9 north half of Section 1, if you drill a gas well,  
10 you're stuck, unless you shut that gas well in  
11 and drill an oil well? You can't produce gas in  
12 an oil well in the north half of Section 1. Are  
13 you with me?

14 A. Based on the associated rules?

15 Q. Yes, sir.

16 A. That would be correct. You would have  
17 to put it back in the Indian Basin Gas Pool.

18 Q. Or do something else. You're aware of  
19 that potential issue?

20 A. Yes, I am.

21 Q. All right. Based upon your geologic  
22 interpretation for the inclusion of Section 1,  
23 how do you draw a distinction between Section 1  
24 and Section 12 to the south?

25 A. It would be my opinion that, at some

1 point, Section 12 would probably also--wells that  
2 were completed in Section 12, from that lower  
3 interval, from the Indian Basin Associated Pool,  
4 that acreage would have to be put into that pool  
5 as well, because I believe that reservoir is  
6 underneath that acreage.

7 Q. What we have here is, as the gas cap is  
8 depleted and shrunk, you have the opportunity to  
9 replace the gas production with production out of  
10 the oil column? Am I visualizing this correctly?

11 A. The way I envision it, Mr. Kellahin, is  
12 that there is--actually, an oil reservoir has  
13 been sitting underneath the gas pool for many  
14 years, it just has never been tapped in this  
15 particular area.

16 There were a number of wells that  
17 showed oil and gas shows from this particular  
18 interval over the years, but the operators never  
19 attempted completion attempts from them. Only  
20 since Yates completed the Hickory well and the  
21 reentry of the Pan Am well, have we begun to  
22 understand that this reservoir actually exists  
23 underneath this portion of the pool, and that's  
24 why we're now going back into this area and we're  
25 able to drill the wells or reenter wells and



1 complete them from this lower interval.

2 Q. Is it your geologic conclusion that the  
3 gas pool is connected to the oil pool?

4 A. I don't know that.

5 Q. From the geology, can you show a  
6 separation?

7 A. No, I cannot.

8 Q. There were two other sections that  
9 don't yet have oil wells in them, Section 4--

10 A. --and Section 7.

11 Q. Yes, sir. Let's look at Section 4  
12 first. Give me your summary of why you propose  
13 to put Section 4 into the oil pool.

14 A. As I said before, Section 4, as I look  
15 at the geology, based on my mapping of the Upper  
16 Penn Associated reservoir, that dolomite  
17 interval, in conjunction with the cross-section  
18 that I furnished, it's my opinion that there is  
19 between--ranging from 100 to 300 foot of section  
20 of dolomite interval there that is within the  
21 boundaries of what I interpret to be the Upper  
22 Penn Associated Oil and Gas Pool, and I believe  
23 that reservoir underlies that portion of that  
24 section.

25 Q. And that same conclusion supports your

1 request to add Section 7?

2 A. Yes, sir, it does.

3 Q. Does this map illustrate the limits of  
4 the Associated or the Oil Pool, as you move to  
5 the west?

6 A. As you move to the west?

7 Q. Yes, sir.

8 A. It maps--I think what the pool's  
9 definition is, you go to the west edge of this  
10 map. It may go farther to the west, but I don't  
11 have it shown on this.

12 Q. There's no reason to believe that the  
13 oil reservoir stops at the western boundary of  
14 this display?

15 A. Not in my opinion, no. It is certainly  
16 thinning in portions of it.

17 Q. Do you have an opinion as to where the  
18 water column is? Is there a location of a  
19 water/oil contact or a water/gas contact in the  
20 reservoir?

21 A. I've arbitrarily used a minus 4057 for  
22 the base of the Upper Penn Associated Oil and Gas  
23 Pool. That is just--I'm using that based on  
24 wells tested in the area. It seems that when you  
25 get below a subsea of minus 4057, as you test the

1 interval, the Cisco Canyon dolomite beneath that  
2 structural position, it tends to be productive,  
3 mostly of water, with a little bit or trace of  
4 oil.

5 There are a couple of wells that have  
6 been tested that way: The Hickory well, our 8  
7 No. 2 well and a few wells to the east of us.  
8 The wells that have tried to complete from that  
9 interval, below minus 4057, produce in general  
10 almost all water.

11 Once you get above that, you start  
12 seeing oil. I don't know that there is a  
13 definable oil/water contact. I've not seen one  
14 in any of the tests or the production information  
15 that I've reviewed.

16 Q. We see the interpretation of that minus  
17 4057 line on your Exhibit No. 5?

18 A. Yes, you do. It's the lower horizontal  
19 line on that cross-section.

20 MR. KELLAHIN: Thank you, Mr. Davis;  
21 Mr. Examiner.

22 EXAMINATION

23 BY EXAMINER MORROW:

24 Q. Mr. Davis, what are the pool rules for  
25 the Associated Pool that you propose to put these

1 sections into?

2 A. The pool rules?

3 Q. Yes, sir.

4 A. Would you mind if I get the list and  
5 consult them? Or would you like me to summarize  
6 the best I know them?

7 Q. Summarize.

8 A. My understanding of the rules is that  
9 the Associated Pool is based on 320-acre spacing  
10 with the opportunity to drill on 160-acre spacing  
11 no more than two wells per proration unit.

12 You have production of 960 barrels of  
13 oil per day, I believe, maximum from the  
14 proration unit, with a GOR of 2,000.

15 Q. 920 a day?

16 A. It's 960 a day, I believe.

17 Q. For each proration unit?

18 A. That's correct. And I believe wells  
19 can be drilled within 660 feet from the outer  
20 boundary of the section's spacing unit, and  
21 cannot be closer than 330 feet to any  
22 quarter/quarter section.

23 Q. What was the 790 that you and Mr.  
24 Kellahin discussed?

25 A. That's the number Mr. Kellahin-- I

1 don't think it was 790. I think it is 660 from  
2 the outer boundary.

3 MR. KELLAHIN: You may have  
4 misunderstood. The 790 applies to the South  
5 Dagger Draw, and this Upper Penn Associated may  
6 be entitled to 660.

7 THE WITNESS: I believe it's 660.

8 Q. When the pool was initially created,  
9 was each section developed at that time, or were  
10 there some non-oil-producing sections included in  
11 the Associated Pool at the time it was created?

12 A. At the time it was created, my  
13 understanding was that Section 17 was put in the  
14 pool. And then, basically, on half-mile spacing,  
15 anything touching it within a mile of that  
16 particular north half 320 acres would be put in  
17 the pool.

18 After consultation with my lawyer, I  
19 understood that the actual acreage that had been  
20 dedicated to the Upper Penn Associated Pool was  
21 all of Section 27 of 21 South, 24 East, I believe  
22 all of Section 34 of 21/24, and portions of  
23 Section 3, 10, 9, 16 and 17 of 22/24.

24 That was the only acreage that had been  
25 dedicated to the Indian Basin-Upper Penn

1 Associated Pool. There are only three wells that  
2 have been completed from that pool within that  
3 acreage. There was one in Section 17 of 22/24,  
4 there's one in Section 27 of 21/24, and I believe  
5 there's one in Section 3 of 22/24. All of those  
6 wells are operated by Yates.

7 Q. So there are sections now included in  
8 this Associated Pool--

9 A. That do not have production.

10 Q. --that do not have production on them?  
11 Is that what you're saying?

12 A. That do not have production, that is  
13 correct, Sections 9, 10, 16 and 34.

14 Q. On Exhibit No. 3, I understand there's  
15 currently oil production in Sections 8 and 5, and  
16 there's not any in 1, 7 and 4, is that correct?

17 A. That's correct. There is oil  
18 production in Section 6.

19 Q. Where is that?

20 A. That would be the Yates Petroleum  
21 Brannigan ANF Federal No. 1 well, in the  
22 northwest of the northwest of that section. It's  
23 shown as a gas well gas well.

24 Q. Recompleted 10/18/93?

25 A. That is correct.

1 Q. Is that an oil well now?

2 A. That well is currently producing mostly  
3 gas, it does produce some oil. It produces about  
4 10 barrels of oil per day. The oil's estimated  
5 gravity is 42, which is the gravity of the crude  
6 oil produced in the Indian Basin-Upper Penn  
7 Associated pool.

8 The oil that was produced with gas  
9 production in the Indian Basin Gas Pool had a  
10 gravity of between 59 and 62 degrees.

11 Q. Is that shown on the cross-section?

12 A. It's the second well in on the  
13 cross-section, from the right-hand side.

14 Q. It's making a million-seven a day now?

15 A. Yeah, right around two million a day,  
16 according to the operator, and about 10 to 15  
17 barrels of oil. Santa Fe has a 6.25 percent  
18 interest in that well, a working interest, so we  
19 do have a lot of knowledge of the reservoir of  
20 the completion attempt in that well.

21 I understand when Yates went in and  
22 completed that wellbore, they tested their way,  
23 starting with the bottom perfs, and worked their  
24 way up. The original perfs were the perfs of the  
25 upper portion. They blanked off those perfs, or

1 set them off with a cast-iron bridge plug and  
2 tested the lower interval, and they recovered  
3 about 50 to 60 barrels of oil per day on a  
4 swabbing test, and that oil was about 42-degree  
5 gravity crude oil from the lower interval.

6 But, when they made their completion in  
7 the entire wellbore, they elected to include all  
8 of the perforations that were possible in that  
9 wellbore. I don't know whether they had problems  
10 shutting off the upper perms or were reluctant to  
11 squeeze those perms. At any rate, they elected  
12 to complete the wellbore as shown, and that  
13 resulted in having a more productive gas well  
14 than anything else; some oil, but mostly gas.

15 In my discussions with the operator,  
16 they have no intentions of ever completing a well  
17 like that again because they did not get the  
18 results that they wanted.

19 Q. Which was what?

20 A. They did not get the results that they  
21 intended to have, which were the type of results  
22 that they had in the Hickory well and Santa Fe  
23 has been able to effect in both of our  
24 completions in Section 5 and Section 8.

25 Q. I guess, since it's making nearly two



1 million a day, that would indicate that there's  
2 still some gas to be recovered, at least from  
3 that part of your proposal?

4 A. Yes, sir. It would be--in my mind, I  
5 think if you were to go in here and take a well  
6 and just complete it from the Upper Penn  
7 reservoir, the gas zone, and put it on a  
8 submersible pump, you would be able to produce  
9 gas with a large volume of water as well. So,  
10 there is gas left there, yes.

11 Q. Are they pumping this one?

12 A. Yes, they are. They have a submersible  
13 pump on there in order to produce it.

14 Q. It's making how much water?

15 A. It's making close to 4,000 barrels of  
16 water per day.

17 Q. 4,000 a day?

18 A. Yes, sir.

19 Q. I guess that would indicate some  
20 connection with the gas cap, at least in those  
21 upper perforations, that part of it?

22 A. Yes. There is still gas reservoir  
23 present across this acreage position. But there  
24 is also the presence of this lower pool as well.

25 Q. Yes, sir. So, when you answered his

1 question, you were talking about the connection  
2 between the lower intervals that primarily  
3 produce oil and gas now?

4 A. There's certainly a spatial  
5 relationship, the fact that they're producing  
6 from the same section of dolomite, the Cisco  
7 Canyon. Whether or not there's any engineering  
8 connection between the two, whether there's  
9 actually a physical connection between the  
10 reservoir, I'm not an engineer and I can't speak  
11 to that.

12 EXAMINER MORROW: Do you all plan to  
13 put on anything concerning the justification for  
14 the nonstandard location?

15 MR. BRUCE: I meant to follow-up with  
16 the topographic. I had forgotten that, Mr.  
17 Examiner.

18 EXAMINER MORROW: Were you going to do  
19 that?

20 MR. BRUCE: Yes.

21 FURTHER EXAMINATION

22 BY MR. BRUCE:

23 Q. Mr. Davis, looking at your Exhibit 7, a  
24 few questions we had omitted to discuss. We had  
25 discussed or mentioned in the applications the

1 topographic reasons for the nonstandard  
2 locations. Could you first address that?

3 A. Mr. Examiner, the topography across  
4 this acreage position is rather rugged, with  
5 relief ranging in the order of 300 to 400 feet in  
6 places across this acreage position. In a number  
7 of locations here, the particular location may  
8 have, across the 600 foot drill site pad, it can  
9 have relief of easily 100 feet.

10 The BLM is very cognizant of this, and  
11 they are very critical as to how much acreage we  
12 cut and fill in a particular location that we  
13 design out here. So, a number of our locations  
14 or all of our locations take into account the  
15 extreme topography in the area. We try to find  
16 the flatest area to work in, because it costs  
17 less for us as an operator and also because the  
18 BLM wants us to refrain from cutting and filling  
19 very much in this area.

20 So, there is a large amount of  
21 topography we have to deal with her.

22 Q. So the BLM, in its environmental  
23 assessments, has required or limited the well  
24 locations that Santa Fe can have?

25 A. Every location we have out here, the

1 BLM representative, Barry Hunt, in their Carlsbad  
2 office, goes out and inspects and is very  
3 critical of where we put our locations.

4 EXAMINER MORROW: So all your reason  
5 for the nonstandard location is strictly surface?

6 THE WITNESS: It would be strictly  
7 surface at this point, yes, sir.

8 EXAMINER MORROW: Go ahead, Mr. Bruce.

9 Q. (BY MR. BRUCE) Mr. Davis, as far as  
10 locations, you would like to keep the well spaced  
11 far enough apart so you can have, geologically,  
12 four wells per section, is that correct?

13 A. We feel we can do that, yes, sir. The  
14 topography will allow that.

15 Q. If I could follow up on a couple of  
16 questions Mr. Kellahin asked about Sections 4 and  
17 7, Mr. Davis, as Mr. Kellahin said, there are no  
18 oil wells on that acreage?

19 A. That is correct.

20 Q. But they did have gas wells on that  
21 acreage which were plugged and abandoned, is that  
22 correct?

23 A. Yes. Both sections had one gas well  
24 per section.

25 Q. Which watered out?

1           A.       They were plugged in 1982 and 93; 4 in  
2       82, 7 in 83, both because of water production.

3           Q.       One final question.   Discussing the  
4       flexibility of the Associated Pool rules,  
5       obviously, if this acreage is transferred to the  
6       Associated Pool, it will lessen the need to come  
7       back for hearings for nonstandard locations and  
8       nonstandard units, is that correct?

9           A.       That's correct, it would.

10          MR. BRUCE:   Thank you, Mr. Examiner.

11          EXAMINER MORROW:   The proration unit  
12       size, what was the nonstandardness of those  
13       applications?   I guess each one of the  
14       applications also contained nonstandard gas  
15       proration unit.   Was that strictly because of the  
16       size?

17          MR. BRUCE:   Mr. Examiner, there are two  
18       reasons.   If we're seeking 320-acre units,  
19       obviously that conflicts with the gas pool rules  
20       which have 640-acre spacing.   In addition, all  
21       the sections on the north tier are comprised  
22       partly of lots, and some of these sections are  
23       660, 670 acres.   So, even if it was Associated  
24       Pool rules, you're having 360 or 370-acre units  
25       which are, obviously, nonstandard.

1 EXAMINER MORROW: One of them, I think,  
2 was even short, wasn't it?

3 MR. BRUCE: Yes, the west half of  
4 Section 7 is a short section, yes.

5 EXAMINER MORROW: West half? Is that  
6 what you said?

7 MR. BRUCE: Yes, sir.

8 EXAMINER MORROW: In 7, you would  
9 divide that east and west proration unit?

10 MR. BRUCE: Yes, sir.

11 EXAMINER MORROW: Mr. Bruce, will you  
12 take care of the readvertising on 10989?

13 MR. BRUCE: Yes, sir.

14 EXAMINER MORROW: Thank you, sir.

15 MR. BRUCE: I have nothing further in  
16 this matter, Mr. Examiner.

17 EXAMINER MORROW: All right. We'll  
18 take Cases 10986, 10987, 10988 and 10977 under  
19 advisement, and we'll continue Case 10989 for two  
20 weeks.

21 (And the proceedings concluded.)  
22  
23

24  
25

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 10986, 8788, 77, 10989  
heard by me on 6-9-94 1994.

  
Examiner  
Of Conservation Division


## CERTIFICATE OF REPORTER

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

I, Carla Diane Rodriguez, Certified  
Shorthand Reporter and Notary Public, HEREBY  
CERTIFY that the foregoing transcript of  
proceedings before the Oil Conservation Division  
was reported by me; that I caused my notes to be  
transcribed under my personal supervision; and  
that the foregoing is a true and accurate record  
of the proceedings.

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

WITNESS MY HAND AND SEAL July 8, 1994.

  
CARLA DIANE RODRIGUEZ, RPR  
CCR No. 4

## 1 STATE OF NEW MEXICO

## 2 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

## 3 OIL CONSERVATION DIVISION

4  
5 IN THE MATTER OF THE HEARING )  
6 CALLED BY THE OIL CONSERVATION )  
7 DIVISION FOR THE PURPOSE OF )  
8 CONSIDERING: )

CASE NO. 10,989

9  
10 APPLICATION OF SANTA FE ENERGY )  
11 OPERATING PARTNERS, L.P. )  
1213 **ORIGINAL**14 REPORTER'S TRANSCRIPT OF PROCEEDINGS15 EXAMINER HEARING

16 BEFORE: DAVID R. CATANACH, Hearing Examiner

17 July 7, 1994

18 Santa Fe, New Mexico

19 27 1994

20 This matter came on for hearing before the Oil  
21 Conservation Division on Thursday, July 7, 1994, at Morgan  
22 Hall, State Land Office Building, 310 Old Santa Fe Trail,  
23 Santa Fe, New Mexico, before Steven T. Brenner, Certified  
24 Court Reporter No. 7 for the State of New Mexico.

25 \* \* \*



## I N D E X

July 7, 1994  
Examiner Hearing  
CASE NO. 10,989

## PAGE

APPEARANCES

2

STATEMENT BY MR. BRUCE

3

REPORTER'S CERTIFICATE

4

\* \* \*

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

FOR THE DIVISION:

RAND L. CARROLL  
Attorney at Law  
Legal Counsel to the Division  
State Land Office Building  
Santa Fe, New Mexico 87504

FOR THE APPLICANT:

HINKLE, COX, EATON, COFFIELD & HENSLEY  
218 Montezuma  
P.O. Box 2068  
Santa Fe, New Mexico 87504-2068  
By: JAMES G. BRUCE

\* \* \*

1 WHEREUPON, the following proceedings were had at  
2 10:16 a.m.:

3 EXAMINER CATANACH: At this time I'll call Case  
4 10,989, the Application of Santa Fe Energy Operating  
5 Partners, L.P., for an unorthodox gas well location and  
6 non-standard gas proration unit, Eddy County, New Mexico.

7 Are there appearances in this case?

8 MR. BRUCE: Mr. Examiner, Jim Bruce with the  
9 Hinkle law firm for the Applicant.

10 This case was heard and testimony was presented  
11 four weeks ago, and it was re-advertised because of a  
12 slight change in the unorthodox location.

13 We ask that you take it under advisement.

14 EXAMINER CATANACH: Okay. Are there any  
15 additional appearances at this time?

16 There being none, Case 10,989 will be taken under  
17 advisement.

18 (Thereupon, these proceedings were concluded at  
19 10:17 a.m.)

20 \* \* \*

21  
22 I do hereby certify that the foregoing is  
23 a complete record of the proceedings in  
24 the Examiner hearing of Case No. 10989,  
25 heard by me on July 7 19 94.  
David H. Catanch, Examiner  
Oil Conservation Division

CERTIFICATE OF REPORTER

[illegible]

I, Steven T. Brenner, Certified Court Reporter  
and Notary Public, HEREBY CERTIFY that the foregoing  
transcript of proceedings before the Oil Conservation  
Division was reported by me; that I transcribed my notes;  
and that the foregoing is a true and accurate record of the  
proceedings.

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

WITNESS MY HAND AND SEAL July 11, 1994.

STEVEN T. BRENNER  
CCR No. 7

My commission expires: October 14, 1994