

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date APRIL 4, 1990 Time: 8:15 A.M.

NAME	REPRESENTING	LOCATION
Robert Hart	Texaco	Hobbs, NM
Todd W. Mecklenbrock	Texaco	Hobbs, NM
Bub Haker	Byram	Santa Fe
Maurice Trimmer	Honora	"
E. R. Manning	El Paso Natural Gas	El Paso, TX
Bruce Insalaco	Santa Fe Resources	Midland, TX
Bill Fulton	"	"
Robert Lee	Santa Fe Oil & Gas	Roswell
Jack W. Burchell	El Paso Natural Gas	El Paso, TX
Gary Green	Santa Fe Energy	Midland, TX
Karl Calman	Kellahan Kilduff & Kidney	Santa Fe
William A. ...	Campbell and Black	Santa Fe
Arthur ...	Humble Law Firm	Santa Fe
Lee ...	ECCO	"
John ...	Richardson Petr.	Omaha, Neb.
Jim Adams	Richardson Petr.	Dallas, TX
Bob McCann	"	"

## NEW MEXICO OIL CONSERVATION COMMISSION

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NAME	REPRESENTING	LOCATION
James Bruce	Huntle Law Firm	ABQ
Zant L. Padilla	Padilla + Snyder	SF
Eddie Gray	OED	Hobbs

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STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
CASE 9900

EXAMINER HEARING

IN THE MATTER OF:

Application of Santa Fe Energy Operating Partners,  
L.P., for an unorthodox gas well location, Eddy County,  
New Mexico

TRANSCRIPT OF PROCEEDINGS

BEFORE: DAVID R. CATANACH, EXAMINER

STATE LAND OFFICE BUILDING

SANTA FE, NEW MEXICO

April 4, 1990

**ORIGINAL**

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

FOR THE DIVISION:           ROBERT G. STOVALL  
                                   Attorney at Law  
                                   Legal Counsel to the Division  
                                   State Land Office Building  
                                   Santa Fe, New Mexico

FOR THE APPLICANT:         HINKLE, COX, EATON,  
   COFFIELD & HENSLEY  
                                   Attorneys at Law  
                                   By: JAMES BRUCE  
                                   500 Marquette, N.W.  
                                   Albuquerque, New Mexico

\* \* \*

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\* \* \*



1 employed by?

2 A. I'm employed as a land man by Santa Fe Energy  
3 Operating Partners, L.P.

4 Q. And have you previously testified before the  
5 Division as a petroleum land man?

6 A. Yes, I have.

7 Q. And were your credentials as an expert  
8 accepted as a matter of record?

9 A. Yes, they were.

10 Q. And are you familiar with the land matters  
11 involving Case 9900?

12 A. Yes, I am.

13 MR. BRUCE: Mr. Examiner, are the witness's  
14 credentials acceptable?

15 EXAMINER CATANACH: They are.

16 Q. (By Mr. Bruce) Mr. Green, would you state  
17 briefly what Santa Fe seeks in this application?

18 A. Santa Fe seeks approval for an unorthodox gas  
19 well location for the Ocotillo ACI Federal #1 well for  
20 all formations spaced on 320 acres.

21 The well will be located 660 feet from the  
22 north line, 660 feet from the east line in Section 10,  
23 Township 20 South, Range 24 East in Eddy County, New  
24 Mexico.

25 The well will be drilled to a depth

1 sufficient to test the Morrow formation. The east half  
2 of Section 10 will be dedicated to the well as a  
3 spacing unit.

4 Q. Would you please refer to Exhibit Number 1  
5 and describe its contents briefly?

6 A. Exhibit Number 1 is a land plat, located  
7 Township 24 South -- or 20 South, 24 East. The  
8 stippled acreage on there represents Santa Fe's  
9 leasehold and/or farm-in acreage from Conoco.

10 Section 10, we've identified the location of  
11 our proposed well in the east half of Section 10 as a  
12 spacing unit.

13 Q. And who are the offset operators to the  
14 north, the northeast and the east of the proposed unit?

15 A. Yates Petroleum is the operator.

16 Q. And are there any other entities who own  
17 interests?

18 A. The other entities that Santa Fe has notified  
19 are Conoco, who are leasehold owners there. Santa Fe  
20 has this acreage under farm-out.

21 The other is Torch Energy Company, recently  
22 purchased Felmont who is the joint owner of some of the  
23 stippled leasehold acreage shown on the map.

24 Q. And was notice of this application sent to  
25 the offset operator Yates and to Conoco and Felmont?

1 A. Yes, it was.

2 Q. And is that submitted as Exhibit Number 2?

3 A. Yes, it is.

4 Q. And are the certified return receipts also  
5 attached to Exhibit Number 2?

6 A. Yes, they are.

7 Q. Were Exhibits 1 and 2 prepared by you or  
8 compiled from company records?

9 A. Yes, they were compiled from company records.

10 Q. And in your opinion is the granting of this  
11 application in the interests of conservation and the  
12 prevention of waste?

13 A. Yes, it is.

14 MR. BRUCE: Mr. Examiner, at this time I  
15 would move the admission of Exhibits 1 and 2.

16 EXAMINER CATANACH: Exhibits 1 and 2 will be  
17 admitted as evidence.

18 MR. BRUCE: No further questions of the  
19 witness.

20 EXAMINATION

21 BY EXAMINER CATANACH:

22 Q. Mr. Green, as I understand it Yates is the  
23 only actual offset operator who's affected by the  
24 location?

25 A. That's correct.

1 Q. The other two, Conoco and Torch?

2 A. Conoco and Torch. Conoco, as you can see on  
3 the land plat, you see some Conoco HBP acreage  
4 identified. This acreage is presently farmed in to  
5 Santa Fe.

6 And Yates, the reason we notified them,  
7 should Santa Fe and Yates not comply with the farm-out  
8 terms, this acreage could come back to them. So they  
9 were notified.

10 Torch jointly owns, I believe it's the  
11 southeast quarter of 3. And the acreage in Section 10,  
12 they own a portion of that jointly with Santa Fe in the  
13 leasehold.

14 Q. And looking at Exhibit 2, it looks like you  
15 have a waiver of objection from Yates?

16 A. Yes, sir, we have a waiver of objection from  
17 Yates and the Yates entities. Also one from Conoco,  
18 also one from Torch.

19 EXAMINER CATANACH: Okay. No further  
20 questions. The witness may be excused.

21 BRUCE INSALACO,  
22 the witness herein, after having been first duly sworn  
23 upon his oath, was examined as follows:

24 EXAMINATION

25 BY MR. BRUCE:

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

3 A. Yes, my name is Bruce Insalaco, and I live in  
4 Midland, Texas.

5 Q. And who are you employed by and in what  
6 capacity?

7 A. I'm employed by Santa Fe Energy as a  
8 geologist.

9 Q. And have you previously testified before the  
10 OCD as an expert petroleum geologist?

11 A. Yes, I have.

12 Q. And were your credentials acceptable as a  
13 matter of record?

14 A. Yes, they were.

15 Q. And are you familiar with the geology  
16 involved in the proposed well in this case?

17 A. Yes, I am.

18 MR. BRUCE: Mr. Examiner, is the witness  
19 acceptable?

20 EXAMINER CATANACH: Yes, sir.

21 Q. (By Mr. Bruce) Mr. Insalaco, would you  
22 please refer to Exhibit Number 3 and discuss its  
23 contents?

24 A. Yes. Exhibit Number 3 is a production plat  
25 of the immediate area. And as you can see, it has the

1 Santa Fe Energy acreage in stucco in the area. It has  
2 our proposed location in the northeast of the northeast  
3 of Section 10, an outline of the proposed spacing unit  
4 in the east half of Section 10, some industry-proposed  
5 locations up to the northeast of our proposed location,  
6 and production colored in relating to the different  
7 zones that produce in the immediate area.

8 And as you can see, adjacent to each of the  
9 wells, the -- First we have an initial completion date,  
10 and then in bolder print right below that, we have  
11 thousands of barrels of oil, million cubic feet of gas  
12 and thousands of barrels of water cumulative production  
13 through 10-1 of 1989.

14 And then in smaller print below that we have  
15 current daily rates as of 10-1-89.

16 Q. What is the primary target of this well?

17 A. The primary target is the Morrow. And as you  
18 can see on this Exhibit 3 production plat, there are  
19 many Morrow producers in the immediate area. And  
20 again, the Morrow is our primary objective.

21 Q. And of these Morrow producers, how many in  
22 Santa Fe's opinion are economic and how many are not  
23 economic wells?

24 A. It appears in the north portion of this plat  
25 that there are only two wells economic. The well --

1 Q. In the Morrow?

2 A. In the Morrow, excuse me. And one of them is  
3 the well in the north half of Section 11. It's called  
4 the Conoco AGK Fed #1. It came on in August of 1989,  
5 and through October 1st it had produced 60 million and  
6 was still producing at a rate of 4.3 million a day.

7 The other economic well in the Morrow, in the  
8 north portion of this plat is a well in the southeast  
9 quarter of Section 36. This well was initially  
10 completed in April of 1977, and it has made 3.8 BCF and  
11 is currently producing at a rate of 410 MCF per day.

12 Q. Now, I notice there are some Canyon wells.  
13 Is that a secondary objective in this well?

14 A. Yes, it is.

15 Q. And as to the Canyon, I notice that they  
16 produce quite a bit of water. Does that affect Santa  
17 Fe's decision regarding what its primary target is?

18 A. Yes, there again, the primary target being  
19 the Morrow. We think that we have a good chance of  
20 hitting Canyon, but as you can see for an example, the  
21 well in Section 1, it has made 132,000 barrels of oil,  
22 but it has also made a million barrels of water since  
23 1987.

24 And the wells adjacent to our proposed  
25 location up in Section 3, the well in the northwest of

1 Section 3 came on in August of 1989 out of the Canyon.  
2 It had made 55 million cubic feet out of the Canyon,  
3 but also 32,000 barrels of water. And as of October  
4 1st, it was still making 1000 barrels of water a day.  
5 So water disposal does add to the costs of the Canyon  
6 production.

7 Q. Thank you. Would you please move on to  
8 Exhibit 4 and discuss it very briefly?

9 A. Exhibit 4 is a structure map on top of the  
10 Morrow clastic marker. I've gone ahead and color-coded  
11 red on here the Morrow producers in the immediate area.

12 Structurally, we're dipping off to the  
13 southeast, and it does not appear that structure is a  
14 -- is a controlling factor to the production in the  
15 area.

16 Q. Thank you. Would you please now discuss the  
17 porosity and move on to Exhibit Number 5?

18 A. Exhibit Number 5 is a net porosity isopach of  
19 what are called the first upper Morrow sand. I've gone  
20 ahead and colored the wells in, again, red that are  
21 producing out of that sand package.

22 The numbers beside each of the Morrow  
23 penetrations, the first number is clean sand, using a  
24 gamma ray cutoff of 60 units. And then the other  
25 number adjacent to that is a number which represents

1 porosity greater than seven percent or what we believe  
2 is net pay.

3 And you can see from this net porosity  
4 isopach our interpretation is that the Morrow is  
5 channelized, and it's generally trending from the west  
6 towards the east through the area.

7 Q. And is your interpretation supported by the  
8 uneconomic or dry Morrow wells in Sections 3, 2 and 11?

9 A. Yes, it is. In Sections 3, in the southeast  
10 quarter, you see a well, the Cholla AGE well. It had  
11 six feet of clean sand, but zero feet of pay greater  
12 than seven percent. That well was tested for less than  
13 60 MCF a day, and the Morrow was abandoned.

14 A well up in the northwest of Section 3 has  
15 14 feet of clean sand. But that well has, again, no  
16 net feet of porosity greater than seven percent. That  
17 well was not produced in the Morrow.

18 As you move over into Section 2, there's a  
19 well in the southeast quarter, the Cacti AGB. That  
20 well has 18 feet of clean sand and 11 feet of porosity  
21 greater than seven percent. This well came on in April  
22 -- or, excuse me, March of 1989. It has only produced  
23 54 million. And as I have on the production study  
24 stated that it produced 570 MCF a day as of October  
25 1st, but now it is less than 300 MCF a day. So it does

1 not appear that it will be economic.

2 The other well over in Section 1 has 11 feet  
3 of clean sand, five feet of porosity greater than seven  
4 percent. This well has only cum'd 34 million. Again,  
5 a not economic well.

6 And in fact the two wells that I had  
7 mentioned before that appear to be economic would be  
8 the well up in Section 36 that has made 3.8 BCF. This  
9 well has 33 clean feet of sand and 15 feet of porosity  
10 greater than seven percent.

11 And then the other well, the Conoco AGK well  
12 in Section 11, it has 32 feet of clean sand, 20 feet of  
13 porosity greater than seven percent.

14 So we believe that we need to stay in this  
15 fairway, hopefully encountering more than 15 feet of  
16 clean sand with porosity greater than seven percent.

17 Q. And the two wells in the south half of  
18 Section 11 are not productive in the Morrow; is that  
19 correct?

20 A. Correct. They're both Morrow penetrations,  
21 but again both of them had -- did not have any sand  
22 greater than seven percent of porosity, and neither of  
23 them were completed in the Morrow.

24 Q. In your opinion would a successful completion  
25 in the northeast quarter of Section 10 set up any

1 future locations in this little channel?

2 A. Yes, as I have it mapped here, we believe  
3 that if we are successfull with Ocotillo well in the  
4 northeast of Section 10, that this could set up a  
5 location over in the southwest quarter of Section 3 and  
6 possibly further development off to the west.

7 Q. And on this exhibit there's a cross-section  
8 mark. Is that --

9 A. Yes, sir.

10 Q. -- further defined in Exhibit Number 6?

11 A. Exhibit Number 6 is a stratigraphic cross-  
12 section of the Morrow. Running north to south through  
13 this channel, I have our Morrow clastic marker. Again,  
14 that's the structure datum that I have the map,  
15 structure map, mapped upon.

16 An approximately 20-foot limestone sitting on  
17 top of the Morrow, and then colored in yellow here is  
18 our first upper Morrow sand. That again, we believe to  
19 be the primary objective and the primary producing sand  
20 in the Morrow in this vicinity.

21 I've identified a couple other Morrow sands,  
22 but again, the two significant producers, the well in  
23 Section 36 and the well in Section 11, are producing  
24 out of this first upper Morrow sand.

25 And you can see again this channelized

1 interpretation. If you take the gross interval between  
2 that 20-foot line sitting on top of the Morrow and the  
3 thickness down to the top of the Mississippian line, it  
4 thickens through our proposed location and the Conoco  
5 AGK, and then it thins again off to the south.

6 Q. Were Exhibits 3 through 6 prepared by you or  
7 under your direction?

8 A. Yes, they were.

9 Q. And in your opinion, will the granting of  
10 this application be in the interests of conservation  
11 and prevention of waste and the protection of  
12 correlative rights?

13 A. Yes, it will.

14 MR. BRUCE: Mr. Examiner, I move the  
15 admission of Exhibits 3 through 6.

16 EXAMINER CATANACH: Exhibits 3 through 6 will  
17 be admitted as evidence.

18 MR. BRUCE: Pass the witness.

19 EXAMINATION

20 BY EXAMINER CATANACH:

21 Q. Mr. Insalaco, how much clean sand do you hope  
22 to encounter in the subject well at the location?

23 A. Approximately 20 feet. We feel that an  
24 orthodox location, 1980 from the north line, would --  
25 Well, first of all we would have the risk of not

1 encountering much clean sand at all. But we feel that  
2 we would not encounter the porosity that we believe is  
3 required, greater than seven percent, to get an  
4 economic well.

5 And we feel that the well in Section 2,  
6 again, in the southeast quarter had 11 feet of porosity  
7 greater than seven percent, yet it will not be an  
8 economic well.

9 So again, we're hoping to encounter something  
10 close to 20 -- Fifteen to 20 feet.

11 Q. Fifteen to 20 feet of clean sand?

12 A. Yes, sir.

13 Q. And how much sand with a porosity greater  
14 than seven?

15 A. Yes, sir, that should have been porosity  
16 greater than seven percent. We feel that that is more  
17 the controlling factor, rather than just having the  
18 sand package, that we do need this porosity greater  
19 than seven percent or net pay.

20 Q. At a standard location -- I'm sorry, how much  
21 did you say you would possibly encounter?

22 A. We believe between zero and ten feet, as I  
23 have -- or closer to zero feet of net pay greater --  
24 with porosity greater than seven percent at a standard  
25 location.

1           And as you can see again, you know, this plat  
2 represents the wells producing out of this one sand  
3 package in the Morrow, and out of these five producers  
4 there are only two that appear to be economic, and then  
5 there are several wells in the area that were drilled  
6 as Morrow tests but did not have any porosity greater  
7 than seven percent in clean sand, that did not make  
8 Morrow producers at all.

9           Q.    The well in Section 2 that you've been  
10 talking about --

11           A.    Yes, sir.

12           Q.    -- the one with 11 feet of sand, that's --  
13 Cumulative production is 54 million?

14           A.    As of 10-1 of 1989, yes, sir, and at that  
15 time it was making 570 MCF a day. It is now down to  
16 less than 300 MCF a day.

17                    It also required a frac treatment while the  
18 well in Section 11 came out natural, again indicating  
19 that there might be a permeability problem and that we  
20 would need -- or more than 11 feet of net clean sand to  
21 make an economic well for us.

22           Q.    What would you consider to be an economic  
23 well?

24           A.    Again, based on this, because there are only  
25 two wells, the one up in 36 and the one in 11, that

1 well in 36 has 15 feet, so we believe 15 to 20 feet is  
2 what would be needed.

3 Q. In terms of ultimate gas recovery, do you  
4 have any idea what you might consider not an economic  
5 well?

6 MR. BRUCE: Mr. Examiner, I will bring an  
7 engineer. He could probably better address that.

8 EXAMINER CATANACH: Okay, that's all the  
9 questions I -- Oh, one more question.

10 Q. (By Examiner Catanach) Is there any  
11 potential in the Morrow A or Morrow B sandstone?

12 A. They don't appear to be as continuous as what  
13 are called the first upper Morrow sand here. That  
14 again, the well in Section 2 also has that Morrow A  
15 sand open, but again that well does not appear to be an  
16 economic well.

17 So we feel the main objective is in the first  
18 upper Morrow sand. And we will drill through these  
19 other sands, but they do not appear very extensive.

20 Q. Now, most of the Morrow wells you have  
21 depicted on these exhibits are producing from the upper  
22 Morrow?

23 A. Yes, you can see the difference if you look  
24 at the structure map. This is all the Morrow producers  
25 in the entire area in the plat, are colored red. And

1 then in this isopach only the wells that are producing  
2 out of what I've called the first upper Morrow sand are  
3 colored red on that.

4 So as you can see, most of the wells are  
5 first upper Morrow sand producers. All with the  
6 exception, I believe, of two -- three, three wells,  
7 excuse me.

8 EXAMINER CATANACH: I have no further  
9 questions of the witness.

10 BILL FULTON,  
11 the witness herein, after having been first duly sworn  
12 upon his oath, was examined and testified as follows:

13 EXAMINATION

14 BY MR. BRUCE:

15 Q. Would you please state your name and your  
16 residence?

17 A. My name is Bill Fulton. I live in Midland,  
18 Texas.

19 Q. And who are you employed by and in what job  
20 capacity?

21 A. I'm employed by Santa Fe Energy Operating  
22 Partners, L.P., as a reservoir engineer.

23 Q. And have you previously testified as a  
24 reservoir engineer before the OCD?

25 A. Yes, sir, I have.

1 Q. And were your credentials accepted as a  
2 matter of record?

3 A. Yes, sir, they were.

4 Q. And are you familiar with the engineering  
5 matters involved in Case 9900?

6 A. Yes, sir.

7 MR. BRUCE: Mr. Examiner, is the witness  
8 acceptable?

9 EXAMINER CATANACH: Yes, sir.

10 Excuse me, I'm sorry, I didn't catch your  
11 name.

12 THE WITNESS: Bill Fulton.

13 EXAMINER CATANACH: Thank you.

14 Q. (By Mr. Bruce) Mr. Fulton, have you  
15 conducted some volumetric calculations on some wells in  
16 this field?

17 A. Yes, sir, I have.

18 Q. And could you point out which wells?

19 A. The wells that I've done some volumetric  
20 calculations on are the well in Section 2, the south  
21 half of Section 2, which is the Cacti AGB well. Also  
22 the well in Section 11, which is the Conoco AGK well in  
23 the north half of Section 11.

24 Those were the only two wells that I had a  
25 resistivity log to run saturation calculations on.

1 Q. And what is the result of your calculations?

2 A. Volumetrically, the Cacti well first in  
3 Section 2, its volumetric -- or the original gas in  
4 place calculates out to approximately 7 BCF.

5 The Conoco well in Section 11 calculates,  
6 original gas in place of 8.6 BCF.

7 Q. And what will the recoveries be from each of  
8 those two wells?

9 A. I've done some analysis of the Cacti well,  
10 based on decline analysis.

11 As the previous witness had stated that that  
12 well is currently producing about 275 MCF per day and  
13 is currently on an 86 percent exponential decline over  
14 the last five or six months, pretty established  
15 decline, its ultimate recovery will be somewhere  
16 between 160 and 200 million cubic feet of gas.

17 Q. And for the Conoco well, what do you  
18 anticipate the recovery will be?

19 A. The Conoco well has flowed at rates  
20 approaching 6 million cubic feet a day. We don't have  
21 enough production history to establish a decline trend  
22 in it, but based on analogous decline in some of the  
23 other wells, starting out at an 86 percent decline from  
24 its current rate and then leveling off in two stages,  
25 basically mimicking an exponential -- or a hyperbolic

1 decline -- I calculate approximately 3.2 BCF, which  
2 could be conservative.

3 Q. Now, to what do you attribute the difference  
4 between the Cacti well and the Conoco well?

5 A. A couple of things. First, as Bruce, the  
6 previous witness, has stated, the Conoco well has 20  
7 feet of clean pay greater than seven percent. The  
8 Cacti well has 11 feet. So the Conoco well has  
9 somewhat better pay than the Cacti well.

10 We also feel that there's probably --  
11 production is dominated, probably, by permeability.  
12 We have the results of the bottom hole pressure buildup  
13 on the Cacti well, again in Section 2, that determine  
14 that its permeability is approximately two  
15 millidarcies.

16 We have not received the results from the  
17 pressure buildup on the Conoco well as of yet, but log  
18 indications on the resistivity logs indicate extremely  
19 good separation, better than any other well in the  
20 field, which is an indication of permeability.

21 Q. And would this be confirmed by the isopach  
22 chart submitted as Exhibit Number 5 by Mr. Insalaco?

23 A. Yes, from a net clean feet of pay greater  
24 than seven percent, yes, it would. Permeability is not  
25 addressed.

1           We feel that because of the trend where the  
2           Cacti well did not have -- Its production does not  
3           justify the volumetric reserves that it is probably --  
4           The two millidarcy perm is probably much tighter than  
5           the Conoco well. The Cacti well, again, had to be  
6           frac'd to obtain the initial rate of 600 MCF a day.  
7           And the Conoco well came on naturally with a continuous  
8           completion potential at 9.4 million a day.

9           Q.    Now, assuming that the Santa Fe's proposed  
10           location in Section 10 has similar permeability to the  
11           Conoco well in Section 11, if the proposed Ocotillo  
12           well is not drilled, would the Conoco well drain  
13           Section 10?

14           A.   In my opinion, no, it would not.

15           Q.    Conoco?

16           A.    The Conoco -- The Conoco well in -- Oh, in  
17           Section 10, yes, it would drain some reserves from  
18           Section 10.

19           Q.    And in your opinion is the proposed Ocotillo  
20           well located at the optimum location?

21           A.    Yes, it is. I think if we move further south  
22           we would encounter less feet of pay, and we're trying  
23           to stay in the center of that channel, which we feel is  
24           probably the most permeable part of that channel.

25           Q.    Referring to Exhibit Number 7, what is the

1 estimated cost of the Ocotillo well?

2 A. We have a well cost estimate of \$737,572.

3 Q. For a completed well?

4 A. For a completed well.

5 Q. And in your opinion, therefore, is it  
6 necessary to place this well in the best location to  
7 assure an economic well?

8 A. Yes, sir it is.

9 Q. Is Exhibit Number 7 -- Was it prepared from  
10 company records?

11 A. It was prepared by our drilling department,  
12 utilizing company records, yes, sir.

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

17 A. Yes, sir, it is.

18 MR. BRUCE: Mr. Examiner, I move the  
19 admission of Exhibit Number 7.

20 EXAMINER CATANACH: Exhibit Number 7 will be  
21 admitted as evidence.

22 MR. BRUCE: Pass the witness.

23 EXAMINATION

24 BY EXAMINER CATANACH:

25 Q. Mr. Fulton, you consider the well in Section

1 2 to be uneconomic; is that correct?

2 A. Yes, sir, I do.

3 Q. Santa Fe wouldn't drill a well for those kind  
4 of reserves, would they?

5 A. No, sir.

6 Q. Mr. Fulton, do you think a penalty is  
7 appropriate in this case for your proposed location?

8 A. No, sir I don't. I feel that a well that is  
9 producing at maximum rate would probably still not show  
10 interference from the Conoco well.

11 The Conoco well has -- I've updated some  
12 cumulative productions. Through February 1st, it's  
13 produced 660 million cubic feet a day. It doesn't  
14 appear to be showing any interference from the Cacti  
15 well to the north of it, which is also approximately  
16 the same distance away.

17 We've also obtained waivers from all of the  
18 offset operators.

19 EXAMINER CATANACH: That's all the questions  
20 we have of the witness. You may be excused.

21 MR. BRUCE: Nothing further, Mr. Examiner.

22 EXAMINER CATANACH: There being nothing  
23 further in this case, Case 9900 will be taken under  
24 advisement.

25 (THEREUPON, these proceedings were concluded

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at 9:30 a.m.)

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 9700 ,  
heard by me on April 4 1990 .

David R. Cutant , Examiner  
Oil Conservation Division

1 CERTIFICATE OF REPORTER

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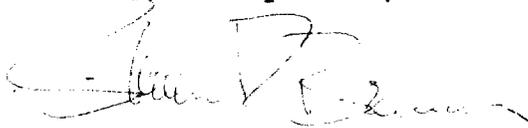
3 STATE OF NEW MEXICO )  
 4 COUNTY OF SANTA FE ) SS.

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

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

16 WITNESS MY HAND AND SEAL April 7, 1990.

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18 \_\_\_\_\_  
 19 STEVEN T. BRENNER  
 20 CSR No. 106

21 My commission expires: October 14, 1990

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