

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date APRIL 4, 1990 Time: 8:15 A.M.

NAME	REPRESENTING	LOCATION
Robert Hart	Texasco	Hobbs, NM
Todd W. MacLambrook	Texasco	Hobbs, NM
Bub Huker	Bryan	Santa Fe
Maureen 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 Calmer	Kellahan Kilduff & Kidney	Santa Fe
William A. San	Campbell and Black	Santa Fe
Arthur Hobbs	Humble Law Firm	Santa Fe
Lee Sigel	ECD	"
Jim Finkelman	Richmond Petr.	Omaha, Neb.
Jim Adams	Richmond Petr.	Dallas, TX
Bob McCamey	"	

NEW MEXICO OIL CONSERVATION COMMISSION

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NAME	REPRESENTING	LOCATION
James Bruce	Humble Loan Firm	ABQ
Robert L. Padilla	Padilla & Snyder	SF
Eddie Aray	oed	Hobbs

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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E X H I B I T S

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* * *

1 WHEREUPON, the following proceedings were had
2 at 9:00 a.m.:

3 EXAMINER CATANACH: At this time we'll call
4 case 9900.

5 MR. STOVALL: Application of Santa Fe Energy
6 Operating Partners, L.P., for an unorthodox gas well
7 location, Eddy County, New Mexico.

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

10 MR. BRUCE: Mr. Examiner, my name is Jim
11 Bruce. I'm with the Hinkle law firm in Albuquerque,
12 representing the Applicant. I have three witnesses.

13 EXAMINER CATANACH: Any other appearances?

14 Will the witnesses please stand to be sworn
15 in?

16 GARY GREEN,
17 the witness herein, after having been first duly sworn
18 upon his oath, was examined and testified as follows:

19 EXAMINATION

20 BY MR. BRUCE:

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

23 A. My name is Gary Green. I live in Midland,
24 Texas.

25 Q. And what is your occupation and who are you

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

1 at 9:30 a.m.)
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14 I do hereby certify that the foregoing is
15 a complete record of the proceedings in
16 the Examiner hearing of Case No. 9800,
heard by me on April 4 1998.

17 David R. Cutant, Examiner
18 Oil Conservation Division
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CERTIFICATE OF REPORTER

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

I, Steven T. Brenner, 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 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 April 7, 1990.



STEVEN T. BRENNER
CSR No. 106

My commission expires: October 14, 1990