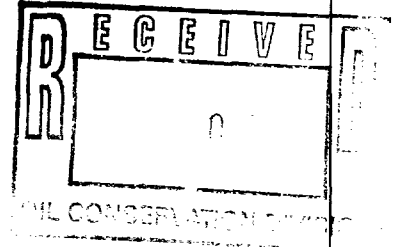


## NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date JULY 27, 1995 Time: 8:15 A.M.

NAME	REPRESENTING	LOCATION
Pinson McWhorter	W. L. T. Co.	Albuquerque, NM
William L. Day	Campbell, Day and Furge	Santa Fe
Jerry Hoover	Conoco	Midland TX
Danica Smiley	Hess	Denver CO
David May	Solaris	Albuquerque
Emil L. Carroll	Lorey Bros. Co.	Albuquerque
Kathleen Porter	Gate Petroleum	Albuquerque
Bob Farn		
John W. Green	NMOC	ALBUQUERQUE

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



IN THE MATTER OF THE HEARING )  
CALLED BY THE OIL CONSERVATION )  
DIVISION FOR THE PURPOSE OF )  
CONSIDERING: )  
APPLICATION OF YATES PETROLEUM )  
CORPORATION )

CASE NO. 11,347

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

**ORIGINAL**

BEFORE: DAVID R. CATANACH, Hearing Examiner

July 27th, 1995

Santa Fe, New Mexico

This matter came on for hearing before the New Mexico Oil Conservation Division, DAVID R. CATANACH, Hearing Examiner, on Thursday, July 27th, 1995, at the New Mexico Energy, Minerals and Natural Resources Department, Porter Hall, 2040 South Pacheco, Santa Fe, New Mexico, Steven T. Brenner, Certified Court Reporter No. 7 for the State of New Mexico.

\* \* \*

STEVEN T. BRENNER, CCR  
(505) 989-9317

## I N D E X

July 27th, 1995  
 Examiner Hearing  
 CASE NO. 11,347

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APPLICANT'S WITNESSES:	
<u>PINSON McWHORTER</u> (Engineer)	
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\* \* \*

## E X H I B I T S

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\* \* \*

## 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  
2040 South Pacheco  
Santa Fe, New Mexico 87505

FOR THE APPLICANT:

CAMPBELL, CARR & BERGE, P.A.  
Suite 1 - 110 N. Guadalupe  
P.O. Box 2208  
Santa Fe, New Mexico 87504-2208  
By: WILLIAM F. CARR

\* \* \*

1           WHEREUPON, the following proceedings were had at  
2   8:22 a.m.:

3  
4  
5  
6  
7           EXAMINER CATANACH: At this time we'll call Case  
8   11,347.

9           MR. CARROLL: Application of Yates Petroleum  
10 Corporation for amendment of Division Order No. R-10,349  
11 for expansion of the Quincy "AMQ" San Andres pressure  
12 maintenance project, for qualification of this project for  
13 the recovered oil tax credit pursuant to the New Mexico Oil  
14 Recovery Act, and for pressure maintenance expansion,  
15 Chaves County, New Mexico.

16           EXAMINER CATANACH: Are there appearances in this  
17 case?

18           MR. CARR: May it please the Examiner, my name is  
19 William F. Carr with the Santa Fe law firm Campbell, Carr  
20 and Berge.

21           We represent Yates Petroleum Corporation in this  
22 matter, and I have one witness.

23           EXAMINER CATANACH: Any other appearances?  
24 Will the witness please stand to be sworn in?  
25 (Thereupon, the witness was sworn.)

1                    PINSON MCWHORTER,  
2     the witness herein, after having been first duly sworn upon  
3     his oath, was examined and testified as follows:

4                    DIRECT EXAMINATION

5     BY MR. CARR:

6            Q.     Would you state your name for the record, please?

7            A.     Pinson McWhorter.

8            Q.     By whom are you employed?

9            A.     Yates Petroleum Corporation.

10          Q.     And what is your current position with Yates?

11          A.     Reservoir engineering supervisor.

12          Q.     Have you previously testified before this  
13     Division and had your credentials as a petroleum engineer  
14     accepted and made a matter of record?

15          A.     Yes, I have.

16          Q.     Does the geographic area of your responsibility  
17     with Yates include the portion of southeastern New Mexico  
18     involved in this case?

19          A.     Yes, it does.

20          Q.     And are you familiar with the Application filed  
21     in this matter on behalf of Yates?

22          A.     Yes, I am.

23          Q.     Mr. McWhorter, have you made a study of the  
24     Southwest Acme-San Andres Pool?

25          A.     Yes, I have.

1 Q. And have you prepared certain exhibits for  
2 presentation in this matter here today?

3 A. Yes.

4 MR. CARR: Are the witness's qualifications  
5 acceptable?

6 EXAMINER CATANACH: Yes, they are.

7 Q. (By Mr. Carr) Mr. McWhorter, would you briefly  
8 state what Yates is seeking with this Application?

9 A. Yates is seeking an order to expand its Quincy  
10 "AMQ" San Andres pressure maintenance project.

11 We would like to expand it to include the west  
12 half of the northeast quarter, the north half of the  
13 northwest quarter, the southwest quarter of the northwest  
14 quarter, the east half of the southwest quarter and the  
15 west half of the southeast quarter of Section 12, Township  
16 8 South, Range 27 East, in that portion of the Southeast  
17 Acme-San Andres Pool.

18 Additionally, we're seeking expansion of the  
19 project to include the Quincy "AMQ" State Number 9, which  
20 is located 2310 from the north and east lines in Unit G of  
21 Section 12 -- to include that as an injection well, through  
22 perforations that are approximately 2184 to 2229.

23 Additionally, we're seeking qualification of this  
24 project for the recovered oil tax rate, pursuant to the New  
25 Mexico Enhanced Oil Recovery Act.

1 Q. Now, Mr. McWhorter, a pressure maintenance  
2 project by water injection was previously approved in this  
3 immediate area, was it not?

4 A. That is correct.

5 Q. And that was earlier this year by Order Number  
6 R-10,349?

7 A. Yes, that's correct.

8 Q. And Yates is coming back here today seeking  
9 authority to not only expand the project area but change  
10 the injection well?

11 A. Change the injection well, that's correct.

12 Q. And again, is Yates proposing secondary recovery  
13 by -- pressure maintenance by water injection?

14 A. That's correct.

15 Q. Let's go to what has been marked as Yates Exhibit  
16 Number 1.

17 A. Okay.

18 Q. Will you identify this and review it for Mr.  
19 Catanach?

20 A. Okay, Exhibit Number 1 is the OCD Form C-108,  
21 which is a response to all of the data requests and item  
22 requests as pursuant to the Form C-108 for this particular  
23 project, the Quincy "AMQ" State pressure maintenance  
24 project.

25 Q. Before we review this Exhibit 1 in detail, let's



1 go to Exhibit Number 2. Would you identify that?

2 A. Exhibit Number 2 is an informational plat that  
3 shows the area of this Quincy "AMQ" San Andres pressure  
4 maintenance project in Chaves County, and I've had it  
5 highlighted in green to show you the project area that we  
6 are seeking.

7 I read out all of those calls a while ago, those  
8 legal calls, but this just shows a visual look at the  
9 project boundaries that we're seeking now to expand to, and  
10 the inclusion of the Quincy 9. It's identified with a  
11 triangle to show our new proposed injection well.

12 Q. Could you identify the previously approved  
13 injection well?

14 A. If you will look immediately to -- In the  
15 drilling unit immediately west of the Quincy 9 is the  
16 Quincy 8.

17 Formerly we had approval under the order to  
18 create an injection well there, convert that well to  
19 injection status to make an injection well out of that.

20 The project area includes 400 acres now, as  
21 opposed to the original approval of the southeast quarter  
22 of the northwest quarter.

23 Q. And Yates is proposing to now use the Quincy 8 as  
24 a producing well in the project?

25 A. That is correct. The Quincy 8 is producing oil

1 at sufficient rates that we would prefer to not convert  
2 that to injection well, but to convert the Quincy 9, which  
3 is a recently drilled well that is making nothing but  
4 water. It's making no oil or gas right now. And we prefer  
5 to -- It's a little bit downdip. We prefer to now make  
6 that well into our first injection well.

7 Q. Mr. McWhorter, are the wells indicated on Exhibit  
8 2 all San Andres wells?

9 A. Yes, they are. They all produce from the  
10 Southeast San Andres Pool, from the San Andres -- what is  
11 termed the P1 porosity zone in the San Andres.

12 Q. What is the status of the lands in the project  
13 area?

14 A. These are state lands, and they're under State  
15 Lease V-2982.

16 Q. What was the original project area previously  
17 approved for the Quincy Number 8?

18 A. The original injection well was the Quincy Number  
19 8, the one that we had originally proposed, and the project  
20 area given in the order originally was the southeast  
21 quarter of the northwest quarter of Section 12.

22 Q. Generally, why is Yates proposing to expand the  
23 project area in this fashion?

24 A. Our analysis of subsequent drilling after the  
25 issuance of this order has shown that there is substantial

1 potential for oil recovery by injection along the eastern  
2 flank, or the downdip flank, of this pool.

3 And additionally, the drilling of the Number 9,  
4 which was subsequent to that order, indicated that the  
5 water -- oil-water contact is between the 8 and the 9, and  
6 we would start injecting at a downdip location, and  
7 possibly in the future we would want to expand to convert  
8 other wells as we move from east to west with a  
9 hypothetical line of injectors.

10 Q. Let's go to Exhibit Number 1, and I'd direct your  
11 attention to page 5 in that exhibit. Would you review this  
12 for Mr. Catanach, please?

13 A. Page 5 of Exhibit Number 1 is the area of review.  
14 It indicates the area of review for the Quincy Number 9.  
15 It shows a half-mile area of review, and then a one-mile  
16 radius with a two-mile radius around the injection well  
17 here, and it shows all the wells and the lease ownership  
18 within that area, the location of the injection well, and  
19 the area-of-review circle.

20 Q. All right, let's go to the next two pages, pages  
21 6 and 7 in Exhibit 1. Would you identify and explain what  
22 those are?

23 A. Yes, pages 6 and 7 are a tabulation of the data  
24 on wells within the area of review, within that half-mile  
25 circle, within a half mile of the Quincy Number 9, and it

1 shows all the areas within there, and the well locations,  
2 and it shows the operator -- and Yates Petroleum  
3 Corporation and Collins are the two operators -- and the  
4 well types, spud dates, completion dates, total depths,  
5 producing zone, perforations, all of the well-construction  
6 information, as required and requested on the Form C-108.

7 Q. Are there any plugged and abandoned wells within  
8 the area of review?

9 A. No, there are not.

10 Q. Let's go to page 4 in Exhibit 1, and I'd ask you  
11 to refer to the schematic of the Quincy State Number 9 well  
12 and review how you propose to complete this well.

13 A. Okay. Page 4 does show a proposed completion for  
14 the Quincy Number 9, completion as an injection well. We  
15 would be injecting through perforations from 2184 to 2249.  
16 Currently there are 46 holes there. We do not propose to  
17 add any more perforations or any more section. This is the  
18 section of the San Andres P1 porosity zone that we want to  
19 inject into.

20 We would run a string of 2-7/8-inch tubing that  
21 would be internally coated plastic tubing and would have a  
22 5-1/2-inch nickel packer. We would set that tubing and  
23 packer at 2100 feet, to inject in those perforations from  
24 2184 to 2229.

25 Q. Are there any other oil-productive zones in the

1 immediate vicinity?

2 A. No, there are not.

3 Q. And what is the source of the water you're  
4 proposing to inject in this well?

5 A. The source of the water that we will be injecting  
6 into this well is the produced water from the Southeast  
7 Acme-San Andres Pool, from the wells on the Quincy lease  
8 here that produce San Andres P1-zone water.

9 Q. And what volumes are you proposing initially to  
10 inject?

11 A. Proposed initially to inject an average of 400  
12 barrels of water per day.

13 Q. And do you have an estimate of the maximum volume  
14 you may need to inject?

15 A. Probably -- It will be in the area of 500 to 600  
16 barrels of water per day.

17 Q. Is the system going to be a closed system?

18 A. Yes, it will be.

19 Q. And are you proposing to inject under pressure or  
20 by gravity?

21 A. Initially, this well will take the water on  
22 gravity, initially.

23 But we know that fairly quickly we will be going  
24 to a pressure regime, and we estimate that the average  
25 initial operating pressure, surface operating pressure, be

1 around 400 pounds. The .2-p.s.i.-per-foot rule would give  
2 us 440 pounds. That's what we would be asking for.

3 I've calculated from stimulation treatments,  
4 taken the ISDP, and calculating what the real bottomhole  
5 frac pressure and correlating that to a surface operating  
6 pressure, that in the life of the project we may get up as  
7 high as 1700 pounds.

8 But of course, we would justify any increases  
9 over the .2 p.s.i. per foot by performing an actual step-  
10 rate test to justify any increases, and that was just an  
11 engineering estimate of what the project really might  
12 eventually lead to, as far as an operating pressure.

13 Q. Now, you're proposing just to re-inject water  
14 back into the formation from which it was produced?

15 A. That's correct.

16 Q. So there would be no compatibility problem?

17 A. No.

18 Q. Are there any freshwater zones in the area?

19 A. No, we have not found any record of any  
20 freshwater wells in the area. However, there are  
21 freshwater zones that go down to approximately 300 feet,  
22 and I base that estimate mainly upon water well driller  
23 logs that I obtained from the State Engineer's Office for  
24 this area.

25 This area, as I had stated previously on the

1 hearing on the Quincy 8, has just recently become under the  
2 State Engineer's Office. It's in the Lea Basin Aquifer,  
3 and they've just recently, within recent history, taken  
4 over the monitoring of that. And they don't have -- They  
5 really don't have a lot of data about the freshwater  
6 aquifers in there, and what we have are a few drillers'  
7 logs and a few logs to look at.

8 I worked with the State Engineer's Office in  
9 Roswell, trying to determine the depth of fresh water. And  
10 we could not find within one mile any records of any -- or  
11 even -- of any freshwater wells within one mile of this  
12 well, and even a visual inspection by our field people  
13 could not find a freshwater well within one mile of this  
14 well.

15 Q. Mr. McWhorter, will approval of this Application,  
16 in your opinion, result in the increased ultimate recovery  
17 of oil from the project area?

18 A. Yes.

19 Q. Is it --

20 A. Is it prudent, in your opinion, at this time to  
21 implement this waterflood project to maximize recovery from  
22 the area?

23 A. Yes, it is.

24 Q. Has this Application been provided to all  
25 leasehold operators within the area of review?

1 A. Yes, it has.

2 Q. And is Exhibit Number 3 an affidavit with copies  
3 of those letters attached confirming that notice has been  
4 provided in accordance with OCD rules?

5 A. It is.

6 Q. How soon does Yates propose to commence water  
7 injection in the Quincy Number 9?

8 A. As soon as we receive approval from the OCD via  
9 order, we will implement the work to expand this project  
10 and begin water injection in the Quincy Number 9.

11 Q. Let's go to what's been marked Yates Petroleum  
12 Corporation Exhibit Number 4. Would you identify that,  
13 please?

14 A. Yes, Exhibit Number 4 is the application for  
15 qualification of this project for the recovered oil tax  
16 credit.

17 Q. Was this prepared by you?

18 A. Yes, it was.

19 Q. Let's go to the second page of this exhibit, and  
20 I would direct you to subpart e (3) --

21 A. Yes.

22 Q. -- where you've set out the costs. Is there an  
23 error in that information?

24 A. Right, there is a typo in this. If you will look  
25 at e (3) it says, Capital cost of additional facilities,



1 and it says, Facilities, \$10,000; Well Work, \$25,000; and  
2 Total project cost, \$25,000. Well, no matter how many  
3 times you add that up, \$10,000 plus \$25,000 doesn't come up  
4 to \$25,000.

5 The well work is \$15,000, and you come up with a  
6 total of \$25,000.

7 Q. So the total project costs are \$25,000?

8 A. That's correct.

9 Q. Have you been able to estimate the total value of  
10 the additional production that will be recovered as a  
11 result of the project?

12 A. Yes, we're estimating that for the initial phase  
13 of this project, the approval of the Quincy 9, that the  
14 additional production from that injection well will be  
15 26,000 barrels, spread out over a five-year period.

16 And that relates to somewhere in the neighborhood  
17 of \$416,000 of gross revenue, based on an oil price of \$16  
18 per barrel.

19 Q. Let's go to Yates Exhibit Number 5. Will you  
20 identify and review that, please?

21 A. Yes. This is a plot of the actual production  
22 history in the Quincy lease, all the Quincy "AMQ" wells,  
23 and it shows the actual history.

24 And then it shows a projection from the first  
25 part of 1995, and it shows the response period towards the

1 end of 1995. We're projecting a response to the proposed  
2 injection at the end of 1995, and it shows the decline of  
3 oil production as a result of the injection in the Quincy  
4 Number 9 only.

5 This plot does not reflect if in the future we  
6 were to expand this project even more and have more  
7 injection wells. It does not reflect the incremental  
8 production that we would have then also.

9 Q. And you do request authority to add additional  
10 wells by an administrative procedure if that is necessary?

11 A. Yes, we do.

12 Q. In your opinion, should the application of  
13 pressure maintenance by waterflooding to the project area  
14 result in an increase in the amount of the crude oil  
15 ultimately recovered therefrom?

16 A. Yes, I do.

17 Q. In your opinion is this proposed pressure-  
18 maintenance project both economically and technically  
19 feasible?

20 A. Yes, it is.

21 Q. Has this Application been prematurely filed?

22 A. No, the ultimate recovery would be reduced by  
23 delaying the implementation of this project due to the  
24 solution gas nature of the reservoir.

25 Q. In your opinion, will approval of this

1 Application be in the best interests of conservation, the  
2 prevention of waste and the protection of correlative  
3 rights?

4 A. Yes.

5 Q. Were Exhibits 1 through 5 prepared by you?

6 A. Yes, they were.

7 MR. CARR: At this time, Mr. Catanach, we move  
8 the admission into evidence of Yates Petroleum Corporation  
9 Exhibits 1 through 5.

10 EXAMINER CATANACH: Exhibits 1 through 5 will be  
11 admitted as evidence.

12 MR. CARR: And that concludes my direct  
13 examination of Mr. McWhorter.

14 EXAMINATION

15 BY EXAMINER CATANACH:

16 Q. Mr. McWhorter, your project area is all one  
17 common state lease; is that correct?

18 A. That's correct.

19 Q. Is Yates the only interest owner in that lease?

20 A. In that lease, that's correct, they are the  
21 lessor in that lease.

22 Q. Okay. So all that --

23 A. Now, let me -- That's sort of the Yates  
24 companies, are the working interest in there. Yates  
25 Petroleum Corporation as an entity has a percentage of

1 that. The other Yates companies have the balance of the  
2 interest.

3           You see what I'm saying? This is a Yates  
4 Petroleum Corporation application, but we really  
5 technically -- We are the lessor of record for this lease.  
6 We have a 70-percent expense interest in this. Other Yates  
7 companies make up the balance of the interest in this  
8 lease.

9           Q. All the Yates entities are participating in  
10 this --

11          A. That's correct --

12          Q. -- project?

13          A. -- yes.

14          Q. Do you know what the current average production  
15 is from the producing wells in this pool, on this lease?

16          A. Yes. Yes, sir. Total production, on the  
17 average, on a daily basis, is a little over 200 barrels of  
18 oil a day.

19          Q. 200 barrels per well, is that?

20          A. No, no, total for all of the wells.

21          Q. From the lease?

22          A. Yes, from the lease, that's correct.

23                 That comes out, if you look at all the wells on  
24 the lease, and if you want an average daily well number,  
25 it's around 17 barrels of oil per day per well.

1 Q. How many producing wells are there?

2 A. There are 11 -- 12 producing wells, 12 producing  
3 wells right now on the lease.

4 The Quincy 9 is not producing right now. There  
5 are 13 wells on the lease, the Quincy 9 is not producing  
6 right now because it makes all water. The other 12 are  
7 producing.

8 Q. Was the Number 8 ever used as an injection well?

9 A. No, it was not, never was.

10 Q. It was drilled as an injection well?

11 A. No, sir, it was drilled as a producing well.

12 When we first perforated, we were making almost no oil cut  
13 and some water. And so we decided to use it as an  
14 injection well, and we received an order to that effect.

15 Subsequent to that time frame and all that coming  
16 about, receiving the order, we fracture-stimulated the well  
17 in an effort to make oil, and we got a good oil production  
18 out of it, somewhere in the neighborhood of 15 barrels of  
19 oil a day, and some water.

20 So at that time we decided not to immediately  
21 convert the well to injection.

22 We subsequently drilled the Quincy Number 9, and  
23 after stimulating that well, we still made nothing but  
24 water and zero oil, and that's when we decided that we  
25 would -- to expand this project area and begin -- after we

1 received the order, to begin injection in the Quincy Number  
2 9.

3 So no, we have never injected water in the Quincy  
4 Number 8.

5 Q. Mr. McWhorter, realistically, which wells, which  
6 producing wells, do you anticipate will have a response to  
7 this injection?

8 A. Well, realistically, I think that the wells 8, 6,  
9 7 and 10 will see some effects of the injection from the 9.  
10 So that would be 10, 6, 7 -- they form a north-south line  
11 there -- and the Number 8. So four wells that I see  
12 offsetting, that I think will see immediate benefit from  
13 this injection.

14 Q. Yates has no plans at this time to convert any  
15 additional wells to injection?

16 A. Well, if you use the word "plans" in sort of a  
17 more nebulous sense, then yes, we're going to do this, we  
18 do have plans that perhaps we would convert eventually,  
19 eventually, the 7 and the 3.

20 You see, you sort of form a northwest-to-  
21 southeast-trending line of injectors that would sweep oil  
22 from the east over to the west.

23 So I guess my answer to that question is, we do  
24 not have a hard, firm commitment within Yates Petroleum to  
25 convert those wells right now, but we can foresee that

1 maybe in the future we would convert those wells to  
2 injection to get better areal conformance.

3 Q. You've estimated an additional recovery of 26,000  
4 barrels; is that correct?

5 A. Okay, now, that's correct, but I would like to  
6 add a little bit of a proviso in there, that that 26,000  
7 barrels represents the incremental or what we would call  
8 the secondary oil, the incremental recovery oil, from  
9 injection in the Quincy Number 9 alone.

10 In other words, remember a while ago we talked  
11 about perhaps seeing a response in the 8, the 7, the 6 and  
12 the 10. That would be the -- what I estimate to be the  
13 incremental oil that we would receive or see in those  
14 wells, just from injection in the Quincy 9.

15 Now, if we were to project by including the 7 and  
16 the 3 and other possible conversions, then the incremental  
17 oil recovery would be of a greater magnitude than just  
18 26,000 barrels.

19 Q. The volume of injection, is that 400 barrels a  
20 day? Is that what's currently being produced from the  
21 field?

22 A. Currently, right now, we're producing around 270  
23 barrels of water per day. And so if we -- We also have  
24 plans for more drilling, is what I'm saying, and so -- and  
25 that drilling will occur fairly soon, within this calendar

1 year.

2 And so I foresee that we will have more water  
3 production, and so that's why my estimate that we would  
4 start around an average of 400 barrels of water per day,  
5 because I foresee that by the time that we receive our  
6 order and implement this process, we could well be at that  
7 point where we would have somewhere around 400 barrels of  
8 water per day.

9 Q. You're not bringing in water from any other  
10 source?

11 A. No, no, we're not.

12 Q. Does Yates have any problem with us canceling the  
13 injection authority for the Number 8?

14 A. No, we do not.

15 EXAMINER CATANACH: I have nothing further of  
16 this witness.

17 MR. CARR: Mr. Catanach, that concludes our  
18 presentation in this case.

19 EXAMINER CATANACH: There being nothing further  
20 in this case, this case, 11,347, will be taken under  
21 advisement.

22 (Thereupon, these proceedings were concluded at  
23 8:48.m.)

24 \* \* \*

25



# CERTIFICATE OF REPORTER

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

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.

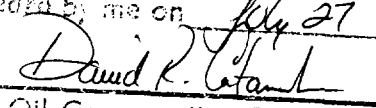
I FURTHER CERTIFY that I am not a relative or  
 employee of any of the parties or attorneys involved in  
 this matter and that I have no personal interest in the  
 final disposition of this matter.

WITNESS MY HAND AND SEAL July 28th, 1995.



STEVEN T. BRENNER  
 CCR No. 7

My commission expires: October 14, 1998

I do hereby certify that the foregoing is  
 a complete record of the proceedings in  
 the Examiner hearing of Case No. 11347,  
 heard by me on July 27 1995.  
  
David R. Cifuentes, Examiner  
 Oil Conservation Division