

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 MARALO, INC., FOR )  
POOL CREATION, SPECIAL POOL RULES )  
AND A DISCOVERY ALLOWABLE, )  
LEA COUNTY, NEW MEXICO )  
 )

CASE NO. 11,409

ORIGINAL

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

BEFORE: DAVID R. CATANACH, Hearing Examiner

October 19th, 1995

Santa Fe, New Mexico

RECEIVED

NOV 3 1995

Oil Conservation Division

This matter came on for hearing before the New Mexico Oil Conservation Division, DAVID R. CATANACH, Hearing Examiner, on Thursday, October 19th, 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.

\* \* \*

## I N D E X

October 19th, 1995  
 Examiner Hearing  
 CASE NO. 11,409

PAGE

## APPLICANT'S WITNESSES:

<u>SHANE LOUGH</u> (Geologist)	
Direct Examination by Mr. Carr	4
Examination by Examiner Catanach	10
<u>RICHARD GILL</u> (Engineer)	
Direct Examination by Mr. Carr	13
Examination by Examiner Catanach	19

REPORTER'S CERTIFICATE	24
------------------------	----

\* \* \*

## E X H I B I T S

Applicant's	Identified	Admitted
Exhibit 1	6	9
Exhibit 2	6	9
Exhibit 3	7	9
Exhibit 4	8	9
Exhibit 5	14	19
Exhibit 6	15	19

\* \* \*

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

## 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   10:27 a.m.:

3  
4  
5  
6  
7           EXAMINER CATANACH: Okay, at this time we'll call  
8   Case 11,409, Application of Maralo, Inc., for pool  
9   creation, special pool rules and a discovery allowable, Lea  
10   County, New Mexico.

11           Are there appearances in this case?

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

15           We represent Maralo, Inc., in this matter, and I  
16   have two witnesses.

17           EXAMINER CATANACH: Any additional appearances?

18           Will the witnesses please stand to be sworn in at  
19   this time?

20           (Thereupon, the witnesses were sworn.)

21           MR. CARR: Mr. Examiner, initially I would like  
22   to note that Maralo no longer believes that a discovery  
23   allowable is necessary, and we would request that that  
24   portion of this case be dismissed.

25           EXAMINER CATANACH: Okay.

1

SHANE LOUGH,

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. Will you state your name for the record, please?

7

A. Shane Lough.

8

Q. Where do you reside?

9

A. Odessa, Texas.

10

Q. By whom are you employed?

11

A. Maralo, Incorporated.

12

Q. And what is your current position with Maralo?

13

A. Petroleum geologist.

14

Q. Have you previously testified before this

15

Division and had your credentials as a petroleum geologist

16

accepted and made a matter of record?

17

A. I have.

18

Q. Are you familiar with the Application filed in

19

this case on behalf of Maralo, Inc.?

20

A. Yes.

21

Q. And are you familiar with the Maralo Lowe "20"

22

Well Number 1 recently completed in the Wolfcamp formation

23

in the area which is the subject of this Application?

24

A. I am.

25

MR. CARR: Are the witness's qualifications

1 acceptable?

2 EXAMINER CATANACH: They are.

3 Q. (By Mr. Carr) Mr. Lough, would you briefly state  
4 what Maralo seeks in this case?

5 A. Yes, Maralo seeks the creation of a new pool in  
6 the Wolfcamp formation, as a result of discovery of  
7 commercial hydrocarbons in the Wolfcamp formation in the  
8 Lowe "20" Well Number 1. The well is located 350 feet from  
9 the north line and 1550 feet from the east line of Section  
10 20, Township 13 South, Range 38 East.

11 Q. Is Maralo also seeking the adoption of temporary  
12 rules that provide for 80-acre spacing and proration units  
13 in this pool?

14 A. Yes.

15 Q. Have you prepared certain exhibits for  
16 presentation here today?

17 A. Yes.

18 Q. Mr. Lough, before we go into those exhibits,  
19 could you advise Mr. Catanach as to the current status of  
20 the Lowe "20" Number 1 well?

21 A. Yes, the well was originally drilled as a 12,600-  
22 foot Devonian test, and in drilling we drill stem tested  
23 the Wolfcamp. The well was unsuccessful in the Devonian,  
24 and it's subsequently been plugged back to the Wolfcamp for  
25 completion.

1 Q. All right. Let's go to what has been marked for  
2 identification as Maralo Exhibit Number 1, and I would ask  
3 you to first identify that and then review the information  
4 in the exhibit for the Examiner.

5 A. Okay, Exhibit Number 1 is our general orientation  
6 plat showing other Wolfcamp fields in the area. It shows  
7 the dry holes and plugged wells which are indicating  
8 separation of our proposed pool from existing pools. It  
9 shows the leases surrounding the proposed pool, and it  
10 indicates that we have no other offset operators.

11 Q. There are, in fact, no other Wolfcamp wells  
12 within a mile of the proposed pool; is that right?

13 A. That's correct.

14 Q. And Maralo is, in fact, the offsetting operator  
15 in all directions from the proposed pool boundary?

16 A. That's correct.

17 Q. If we look at this map, we can look and see  
18 separation just -- because of the existence of dry holes  
19 between our proposed pool and any of the other existing  
20 Wolfcamp pools in the area?

21 A. That's right.

22 Q. Let's go to Exhibit Number 2. Could you identify  
23 and review that, please?

24 A. Exhibit Number 2 is a land plat showing the  
25 northeast quarter of Section 20 of 13 South, 38 East. It

1 shows our -- the subject well, located in the north half of  
2 the northeast quarter. It also shows our proposed  
3 development location of a well to be drilled in the future,  
4 located in the south half of the northeast quarter. It  
5 also shows with the red outline our proposed 80-acre  
6 proration unit.

7 Q. The original well, the Lowe "20" Number 1, that  
8 was the subject of a previous Oil Conservation Division  
9 hearing, was it not?

10 A. That's correct.

11 Q. And that's when the acreage was pooled in the  
12 location for --

13 A. That's correct.

14 Q. All right. Let's go to Exhibit Number 3. Would  
15 you identify that and would you review it for Mr. Catanach?

16 A. Exhibit Number 3 is a structure map on the  
17 Wolfcamp Double X marker, prepared by me, using both  
18 subsurface data and 3-D seismic data.

19 It shows the productive area of the proposed new  
20 field. It shows all development in the area, both with the  
21 completion -- the completed well we've drilled and the  
22 offset dry holes. And it shows a trace for a cross-section  
23 C-C'. It shows the proposed pool boundary, being the north  
24 half of the northeast quarter.

25 Q. If in fact this Application is approved, how many

1 additional wells do you estimate it will take to fully  
2 develop this Wolfcamp reservoir?

3 A. Our plans for fully developing this reservoir are  
4 the drilling of the Lowe "20" Number 2 in the south half of  
5 the northeast quarter and re-entry and completion in the  
6 Wolfcamp of the Lone Star Brady Lowe, located in the  
7 southeast quarter of the northwest quarter, also located on  
8 the structural cross-section.

9 Q. Mr. Lough, let's now go to the cross-section,  
10 Exhibit Number 4, and I'd ask you to identify and review  
11 that.

12 A. This is a structural cross-section, C-C prime,  
13 that I put together. The datum for the cross-section is a  
14 minus 5600 feet. Two primary correlation points have been  
15 noted on the cross-section, both the Double X marker and  
16 the Three Brothers.

17 The cross-section has our subject well located on  
18 the right side, or the north location on the cross-section.

19 In the center of the cross-section is our  
20 proposed development location, being the Lowe "20" Number  
21 2.

22 And on the left side of the cross-section, or  
23 south end, is the log on the proposed re-entry of the Lone  
24 Star Brady Lowe Number 1.

25 This cross-section also shows the existing

1 perforations in the wellbore.

2 Q. And basically this identifies the limits of this  
3 particular Wolfcamp pool?

4 A. It does.

5 Q. What geological conclusions have you been able to  
6 reach from the study of this area?

7 A. We believe that we've discovered a Wolfcamp  
8 reservoir that is separate from other producing Wolfcamp  
9 reservoirs in the area, that it is similar to the other  
10 producing Wolfcamp reservoirs, and that we have identified  
11 the producing area of this new field discovery well using  
12 both 3-D and subsurface well control.

13 Q. There were no other Wolfcamp operators in the  
14 area to whom notice needed to be given of this Application;  
15 is that correct?

16 A. That's correct.

17 Q. Will Maralo be calling an engineering witness in  
18 this case?

19 A. Yes.

20 Q. Were Exhibits 1 through 3 either prepared by you  
21 or compiled under your direction?

22 A. They were.

23 MR. CARR: At this time, Mr. Catanach, we move  
24 the admission into evidence of Maralo Exhibits 1 through 4.

25 EXAMINER CATANACH: Exhibits 1 through 4 will be

1 admitted as evidence.

2 MR. CARR: And that concludes my direct  
3 examination of Mr. Lough.

4 EXAMINATION

5 BY EXAMINER CATANACH:

6 Q. Mr. Lough, was it your testimony that Maralo owns  
7 everything within one mile of the pool boundaries?

8 A. We -- Yes, we do, and other ownership located  
9 within that area are also owners within this proposed unit.

10 Q. There are other interest owners within a mile?

11 A. There are other leaseholds, yes, sir, other  
12 companies that have leasehold within a mile, and those  
13 companies also are working interest owners in this well.

14 Q. Does that include all of the interest owners?

15 A. Let me just double- -- Let me review this map.  
16 Yes, it does.

17 Q. Okay. So all the interests within a mile are  
18 aware of your proposal?

19 A. They are.

20 Q. Okay.

21 A. They're aware.

22 Q. What, in your estimation, are the productive  
23 limits of this pool?

24 A. In my estimation and the -- There's one drafting  
25 error on Exhibit Number 3: There should be an indication

1 of our estimated oil-water contact on this map, that wasn't  
2 drafted, at approximately minus 5615, which would -- which  
3 by inserting that estimated oil-water contact, practically  
4 outlines the estimated productive limits of the field

5 Q. That's a known oil-water contact?

6 A. No, it's not a known. It's an estimated oil-  
7 water contact. By our best estimation, that's a logical  
8 interpretation.

9 Q. Okay. So generally you're looking at just a  
10 portion of the north half of this section as being  
11 productive in this reservoir?

12 A. That's correct.

13 Q. And you think that three wells will adequately  
14 drain and develop this reservoir?

15 A. We do, yes, sir.

16 Q. Okay. Now, you said that there were some dry  
17 holes in between your proposed pool and other Wolfcamp  
18 pools in this area?

19 A. Yes, sir, that's correct.

20 Q. You've examined that and found that, in your  
21 opinion, this is not an extension of any of the other  
22 Wolfcamp pools in this area?

23 A. Yes, sir, we feel quite certain that it's not an  
24 extension, that we have structural separation from other  
25 existing fields.

1 Q. Do you have any reservoir pressure data to  
2 substantiate that?

3 A. We -- our -- Of course, we have our reservoir  
4 engineer here that will testify after me. We do feel like  
5 the indicated pressures in this well are virgin pressures  
6 and further substantiate our separation.

7 Q. I don't show testing information on the new well  
8 in the Wolfcamp formation. That well is producing?

9 A. The well is producing, and we did -- We took  
10 three drill stem tests, which are noted on the cross-  
11 section C-C', on the right-hand log, which is the subject  
12 well. They're noted as DST Number 1, 2 and 3.

13 Those are located above the horizon that we're --  
14 the portion of the Wolfcamp that we're currently completed  
15 in. We did not drill stem test the Wolfcamp that we're  
16 currently perforated in and completed in.

17 Q. Have you talked at all to our geologist down in  
18 our Hobbs office about this pool creation?

19 A. No, we have not had a conversation with him.

20 Q. Okay. Do you know -- Of the Wolfcamp fields in  
21 this general area, do you know generally what the spacing  
22 is in those pools?

23 A. The current spacing of the Wolfcamp fields that  
24 are on this map, the general orientation map, are 40-acre,  
25 statewide 40-acre proration units.

1 Q. Okay. Is there any 80-acre pools that you know  
2 of in this area?

3 A. No, there are not.

4 EXAMINER CATANACH: Okay. I believe that's all I  
5 have of this witness.

6 MR. CARR: At this time we call Richard Gill.

7 RICHARD GILL,

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

10 DIRECT EXAMINATION

11 BY MR. CARR:

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

13 A. My name is Richard Gill.

14 Q. Where do you reside?

15 A. In Midland, Texas.

16 Q. By whom are you employed?

17 A. By Maralo, Incorporated.

18 Q. And what is your current position with Maralo?

19 A. I'm a petroleum engineer.

20 Q. Mr. Gill, have you previously testified before  
21 this Division?

22 A. Yes, I have.

23 Q. At the time of that testimony, were your  
24 credentials as a petroleum engineer accepted and made a  
25 matter of record?

1 A. Yes, they were.

2 Q. Are you familiar with the Application filed in  
3 this case on behalf of Maralo?

4 A. Yes, I am.

5 Q. And have you made an engineering study of the  
6 Wolfcamp Pool and the area which is the subject of this  
7 Application?

8 A. Yes, I have.

9 MR. CARR: Are the witness's qualifications  
10 acceptable?

11 EXAMINER CATANACH: They are.

12 Q. (By Mr. Carr) Have you prepared exhibits for  
13 presentation here today?

14 A. Yes, I have.

15 Q. Let's go to what has been marked Maralo Exhibit  
16 Number 5, and I would ask you to identify the exhibit,  
17 review the parameters and relate this back to the cross-  
18 section, explain to Mr. Catanach the reason for the  
19 Application.

20 A. Okay. Exhibit 5 is a volumetric content  
21 calculation done on the Lowe "20" Number 1 in the Wolfcamp.

22 Based on our best log analysis we could come up  
23 with, we set up a series of parameters for the matrix  
24 porosity of 7.5 percent, average water saturation of 25  
25 percent, a formation volume factor 1.8 reservoir barrels

1 per stock tank barrel, a net effective pay thickness of 21  
2 feet. And assuming an 80-acre drainage area, we calculate  
3 that the original oil in place under that 80 acres would be  
4 a little over 407,000 barrels.

5 Applying a 17-percent recovery factor, which is  
6 pretty standard for a solution gas drive reservoir, we come  
7 up with recoverable oil in place of a little over 69,000  
8 barrels.

9 I would note that this applies only to the matrix  
10 porosity. Based on our logs, not only the log on the  
11 cross-section on Exhibit 4, but also we ran formation micro  
12 scanner logs, which would show that there are fractures and  
13 vugs in this rock. But not being able to determine their  
14 extent, I left those out in the volumetric content  
15 calculation.

16 Q. So when you look at a matrix figure, you're  
17 looking at an extremely conservative figure?

18 A. That's right, that's right.

19 Q. Let's go to Exhibit Number 6. Could you identify  
20 and review that?

21 A. Okay, Exhibit 6 is simply a listing of the  
22 cumulative production on the Wolfcamp wells in this  
23 immediate area, around this proposed pool. At the very  
24 back, I averaged the cumulative production from all the  
25 wells on this list, and it came to almost 97,000 barrels

1 per well.

2 And I would also point out that going through the  
3 list you can see there's a number of wells that have  
4 produced in excess of 200,000, and some even over 300,000  
5 barrels. And it's our -- We would assume, based on the  
6 initial response of our well, that -- we're hoping anyway,  
7 that it will produce a couple hundred thousand barrels.

8 Q. What is the average production or the recovery  
9 from the wells shown on Exhibit 3?

10 A. It's just almost 97,000 barrels.

11 Q. In putting this exhibit together, you did not  
12 include information from the Denton-Wolfcamp; is that  
13 right?

14 A. That is correct.

15 Q. And Mr. Gill, why did you exclude the Denton-  
16 Wolfcamp?

17 A. The Denton-Wolfcamp has some extremely good wells  
18 in it, and by including -- I looked at those wells, and  
19 including it, it raised the estimated recovery -- or the  
20 average recovery from all the Wolfcamp wells in the area up  
21 to about 220,000 barrels, and I felt that that skewed it a  
22 little bit too high.

23 Q. It was not, in fact, an accurate --

24 A. -- that's right.

25 Q. -- representation of what the wells would do?

1           A.    Yeah.

2           Q.    How much acreage do you anticipate can be drained  
3 at this time, based on what you know about the new pool by  
4 wells completed there?

5           A.    Based on what we know and what we anticipate from  
6 the well, I feel certain that we'll drain up to 80 acres,  
7 if not more.

8           Q.    If we look at the Lowe "20" Number 1 well, at  
9 what rate is it currently capable of producing?

10          A.    The well was potentialized at 480 barrels of oil,  
11 and I believe it was 160 barrels of water and around 600  
12 MCF of gas.

13                    We've had the well shut in due to the gas  
14 production, not being able to flare it. We did turn it on  
15 one day later to get some gas analysis for the pipeline  
16 company. We're currently waiting on them to get a line to  
17 us. But on that 24-hour period, the well produced -- I  
18 believe it was 685 barrels of oil a day.

19          Q.    So in fact the well could produce more than the  
20 depth bracket allowable --

21          A.    Yes, it could.

22          Q.    -- depth bracket allowable for the well?

23          A.    That's right.

24          Q.    It is your intention, however, to keep it  
25 producing at an allowable rate or below the allowable rate?

1           A.    That's right, we don't plan on producing above  
2   that.

3           Q.    Did you concur in the testimony of Mr. Lough that  
4   two additional wells in this reservoir should result in  
5   full development of the structural feature?

6           A.    From what we know right now, I believe so.  Of  
7   course, with the drilling of additional wells we should be  
8   able to gain some pressure data and...

9           Q.    At this point in time, is it your opinion that  
10   80-acre development is the prudent way to go forward with  
11   the development of this Wolfcamp pool?

12          A.    Yes, it is.

13          Q.    If you were now required to develop on 40-acre  
14   spacing, in your opinion, could that result in the drilling  
15   of unnecessary wells?

16          A.    Very possibly.

17          Q.    For what period of time do you recommend that  
18   temporary rules remain in place for this pool?

19          A.    We'd like temporary rules for a period of 18  
20   months to give us time to evaluate some production data.

21          Q.    And at that time, if in fact you need to revert  
22   to 40, you could make that recommendation to the Division?

23          A.    That's correct.

24          Q.    In your opinion, will approval of this  
25   Application and the adoption of temporary rules for this

1 pool, providing for 80-acre spacing, be in the best  
2 interests of conservation, the prevention of waste and the  
3 protection of correlative rights?

4 A. Yes, it will.

5 Q. Were Exhibits 5 and 6 prepared by you?

6 A. Yes, they were.

7 MR. CARR: At this time, Mr. Catanach, we move  
8 the admission into evidence of Maralo Exhibits 5 and 6.

9 EXAMINER CATANACH: Exhibits 5 and 6 will be  
10 admitted as evidence.

11 MR. CARR: And that concludes my direct  
12 examination of Mr. Gill.

13 EXAMINATION

14 BY EXAMINER CATANACH:

15 Q. Mr. Gill, have you compared some of the reservoir  
16 parameters of your new Wolfcamp pool and some of the other  
17 Wolfcamp pools in the area and -- Like, have you compared  
18 porosity, permeability and that kind of thing?

19 A. A little bit, not a whole lot. I have looked at  
20 a well down in the King field, and they all produce  
21 differing -- You know, differing areas, there's not one  
22 particular main pay section. Some of the wells have better  
23 porosity than ours have, some of them don't, or aren't any  
24 better. I think they all produce quite a bit from  
25 fractures and vugs and whatnot.

1           Q.    What leads you to believe that your pool would  
2           likely drain a larger area than some of these other  
3           Wolfcamp pools?

4           A.    In my opinion, some of the other Wolfcamp pools  
5           probably drained 80 acres as well.  I think there were some  
6           that were probably overdrilled.  There's some evidence  
7           that, you know, in some of the fields there would be two or  
8           three really good wells and three or four wells that  
9           weren't very good.  And in my opinion, some of that is  
10          going to be reservoir characteristic, some of it will be  
11          drainage.

12                    But I do believe, due to the low matrix  
13          porosity -- A relatively small amount of oil has to be  
14          produced from the matrix to drain 80 acres, and if the well  
15          in fact does produce 200,000 barrels like we hope, then I  
16          would certainly believe that the matrix would give up  
17          60,000, 70,000 barrels of that.

18          Q.    So you think -- You don't think the matrix  
19          porosity is going to contribute to the draining of 80  
20          acres; it's more the fractures?

21          A.    No, I think the matrix porosity will as well.  
22          The fractures -- Of course, we don't have any idea how far  
23          they go or if they're connected to anything else or not.  
24          And time, of course, will help us evaluate that, depending  
25          on how long the production holds.

1           But like I say, there's not a whole 70,000  
2 barrels of matrix porosity contribution. In my opinion,  
3 it's not very much. And I feel pretty comfortable that we  
4 should be able to get at least that much out of the matrix,  
5 which would, in fact, show a drainage of 80 acres.

6           Q. Do you -- Or have you examined reservoir pressure  
7 to satisfy yourself that this is -- that you've encountered  
8 virgin pressure?

9           A. Yes. I apologize, I don't remember exactly what  
10 the reservoir pressure was. I did use it to determine the  
11 formation volume factor, but I can't recall exactly what it  
12 was. But it was -- Well, actually, I guess I did. It is  
13 on Exhibit 4. Yeah, DSTs.

14           We had shut-in pressures up in the 3700-pound  
15 range, which would appear to be pretty virgin pressures at  
16 that point.

17           Plus we also point out the nearest Wolfcamp  
18 production in the area is all, of course, on pump, and this  
19 well is flowing at rates of over 600 barrels a day.

20           Q. Your Well Number 2 appears to be at an unorthodox  
21 location for the proposed new rules, and you're kind of  
22 crowding that north line.

23           A. That's right, yeah, we would intend to get an  
24 unorthodox location at the time we drill that well.

25           Q. Is that any indication that that well may not

1 drain 80 acres, that you're kind of crowding that north

2 line there, kind of moving toward known production there?

3 A. No, I think it's more the elimination of risk by  
4 getting too far away. You know, the control down to the  
5 southeast, there's no well control so it's all seismic  
6 control at that point. And our seismic shows the further  
7 we can stay on the north end, the higher we'll be.

8 Q. You said the well is capable of producing 600  
9 barrels a day?

10 A. That's right.

11 Q. What's top unit allowable for an 80-acre --

12 A. 80-acre is 355 barrels a day.

13 Q. Okay. Do you know if -- Is that all interest  
14 ownership within that -- Within the area where the three  
15 wells are going to be located, is that all commonly owned,  
16 do you know?

17 MR. LOUGH: I can tell you. In the northeast  
18 quarter of the section, where the first well and the second  
19 well are to be located, it is all common ownership.

20 The proposed re-entry of the Lone Star well is  
21 not the same ownership. So it's common throughout the  
22 northeast quarter. If we re-enter and complete in the  
23 northwest quarter, that ownership is somewhat different.

24 Q. (By Examiner Catanach) Okay. And do you concur  
25 at this point in time that that's a close estimation of

1 where the oil-water contact is in this reservoir?

2 A. (By the witness) Yes, it is.

3 Q. Have you examined some of the data to make that  
4 determination?

5 A. No, sir, I have not.

6 Q. That's -- Is it solely based on geology?

7 A. Yes, sir.

8 Q. When is that Lowe Number 2 going to be drilled?

9 A. Our plans are to drill it -- I think we had  
10 talked about later this year, but I think with budget  
11 requirements, we'll probably do it early next year. And if  
12 our plans hold true, our plans were to drill that well and  
13 then move right over and re-enter the other well.

14 So all -- Both of those wells could be on  
15 production within the next six to nine months.

16 EXAMINER CATANACH: Okay. I have nothing further  
17 of this witness, Mr. Carr.

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

20 EXAMINER CATANACH: Okay, there being nothing  
21 further in this case, Case 11,409 will be taken under  
22 advisement.

23 (Thereupon, these proceedings were concluded at  
24 10:58 a.m.)

25 \* \* \*

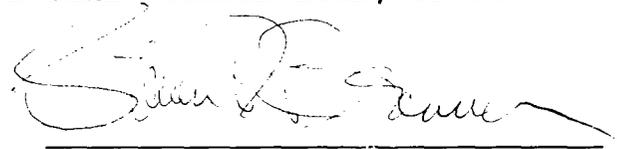
CERTIFICATE OF REPORTER

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.

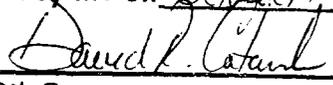
WITNESS MY HAND AND SEAL October 26th, 1995.



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. 11409, heard by me on October 19, 1995.

  
\_\_\_\_\_, Examiner  
Oil Conservation Division