

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:)

CASE NO. 13,242

APPLICATION OF MEWBOURNE OIL COMPANY FOR)
POOL EXPANSION AND SPECIAL POOL RULES)
FOR THE QUERECHO PLAINS-STRAWN POOL,)
LEA COUNTY, NEW MEXICO)

ORIGINAL

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

BEFORE: DAVID R. CATANACH, Hearing Examiner

April 1st, 2004

Santa Fe, New Mexico

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Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

This matter came on for hearing before the New Mexico Oil Conservation Division, DAVID R. CATANACH, Hearing Examiner, on Thursday, April 1st, 2004, at the New Mexico Energy, Minerals and Natural Resources Department, 1220 South Saint Francis Drive, Room 102, Santa Fe, New Mexico, Steven T. Brenner, Certified Court Reporter No. 7 for the State of New Mexico.

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April 1st, 2004
Examiner Hearing
CASE NO. 13,242

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A P P E A R A N C E S

FOR THE DIVISION:

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FOR THE APPLICANT:

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* * *

1 WHEREUPON, the following proceedings were had at
2 8:31 a.m.:

3
4 EXAMINER CATANACH: At this time I'll call Case
5 13,242, the Application of Mewbourne Oil Company for pool
6 expansion and special pool rules for the Querecho Plains-
7 Strawn Pool, Lea County, New Mexico.

8 Call for appearances.

9 MR. BRUCE: Mr. Examiner, Jim Bruce of Santa Fe,
10 representing the Applicant.

11 I have three witnesses to be sworn.

12 EXAMINER CATANACH: Any additional appearances in
13 this case?

14 Okay, there being none, can I get the witnesses
15 to please stand and be sworn in?

16 (Thereupon, the witnesses were sworn.)

17 STEVE COBB,
18 the witness herein, after having been first duly sworn upon
19 his oath, was examined and testified as follows:

20 DIRECT EXAMINATION

21 BY MR. BRUCE:

22 Q. Would you please state your name and city of
23 residence for the record?

24 A. Steve Cobb, Midland, Texas.

25 Q. Who do you work for?

1 A. Mewbourne Oil Company.

2 Q. And what's your job with Mewbourne?

3 A. Petroleum landman.

4 Q. Have you previously testified before the
5 Division?

6 A. Yes, I have.

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

9 A. They were.

10 Q. And are you familiar with the land matters
11 involved in this case?

12 A. Yes, I am.

13 MR. BRUCE: Mr. Examiner, I'd tender Mr. Cobb as
14 an expert petroleum landman.

15 EXAMINER CATANACH: Mr. Cobb is so qualified.

16 Q. (By Mr. Bruce) Mr. Cobb, what does Mewbourne Oil
17 seek in this case?

18 A. We seek to expand the existing Querecho Plains-
19 Strawn Pool and to institute special rules for the pool.

20 Q. What is Exhibit 1?

21 A. Exhibit 1 is a Midland Map Company plat covering
22 part of Township 18 South, 32 East. The Querecho Plains-
23 Strawn Pool currently covers the southwest of Section 15
24 and the west half of Section 22.

25 Q. And what acreage do you seek to add to the pool?

1 A. The southeast quarter of Section 22.

2 Q. And has Mewbourne completed a Strawn well on that
3 acreage?

4 A. Yes, we have.

5 Q. And what's the name of that well?

6 A. It's the SF 22 Fed Well Number 1.

7 Q. Are there any other producing Strawn wells in
8 this pool?

9 A. No, there are not. However, Pecos is in the
10 process of completing a well in the northwest quarter.

11 Q. Of Section 22?

12 A. That's correct.

13 Q. What formation are they completing it in?

14 A. I believe the Morrow formation.

15 Q. Okay, but there is Strawn potential in that well,
16 is there not?

17 A. Correct.

18 Q. Okay, and our next witness will testify about
19 that; is that correct?

20 A. That's correct.

21 Q. What special rules does Mewbourne seek for the
22 pool?

23 A. We're requesting 80-acre spacing with an
24 allowable of 720 barrels of oil per day and a gas-oil ratio
25 of 4000 to 1.

1 Q. And is the current allowable 365 barrels a day
2 under the statewide rules?

3 A. That's correct.

4 Q. What well-setback requirements does Mewbourne
5 request?

6 A. 330 feet from a quarter quarter section line.

7 Q. Now, referring to Exhibit 2 just very briefly,
8 what type of leases cover the southeast quarter of Section
9 22?

10 A. They're covered by four federal leases, each
11 covering a quarter quarter section.

12 Q. Okay, and those leases are identified on Exhibit
13 2?

14 A. That's correct.

15 Q. Now, the SF 22 Fed Number 1 is located in the
16 southeast quarter, southeast quarter of that section?

17 A. That's correct, that's correct.

18 Q. And --

19 A. That would be the Fed Com, sorry.

20 Q. Fed Com.

21 A. Fed Com Number 1.

22 Q. It was originally drilled as a Morrow well, was
23 it not?

24 A. That's correct.

25 Q. Okay. Now, you've shown the overriding royalty

1 owners in the other three quarter quarter sections. Are
2 the overriding royalty interest owners in the southeast
3 southeast identified on Exhibit 3?

4 A. Yes, they are.

5 Q. Okay, and the -- Again, it's all federal leases,
6 so the entire southeast quarter is the same royalty owner,
7 is it not?

8 A. Correct.

9 Q. Is working interest ownership common throughout
10 the southeast quarter of Section 22?

11 A. Yeah, the east half of 22 is covered by a joint
12 operating agreement which covers all the working interest
13 in the east half.

14 Q. Okay, so there is no working interest owner who
15 would have his interest diluted by this Application?

16 A. Correct.

17 Q. Now, who was notified of the Application?

18 A. We notified the BLM and all overriding royalty
19 owners in the southeast southeast and Pecos Production
20 Company.

21 Q. Okay, the operator in the west half of 22?

22 A. Correct.

23 Q. And is Exhibit 4 simply the affidavit of notice
24 with the notice letters attached?

25 A. It is.

1 Q. Has any interest owner objected, to the best of
2 your knowledge?

3 A. No, they have not.

4 Q. And what is Exhibit 5?

5 A. Exhibit 5 is a -- I've notified Pecos of this
6 Application today, and this is just their acceptance and
7 support of this hearing today.

8 Q. Okay. Were Exhibits 1 through 5 prepared by you
9 or under your supervision or compiled from company business
10 records?

11 A. They were.

12 Q. And in your opinion is the granting of
13 Mewbourne's application in the interests of conservation
14 and the prevention of waste?

15 A. Yes, it is.

16 MR. BRUCE: Mr. Examiner, I'd move the admission
17 of Mewbourne Exhibits 1 through 5.

18 EXAMINER CATANACH: Exhibits 1 through 5 will be
19 admitted.

20 EXAMINATION

21 BY EXAMINER CATANACH:

22 Q. Mr. Cobb, the well in the northwest quarter of
23 22, the Pecos well, that is going to be a Morrow well; is
24 that your --

25 A. That's my understanding, right.

1 Q. But it has the potential to be a Strawn producing
2 well?

3 A. Right.

4 Q. What 80 acres would you plan to dedicate to the
5 22 Number 1?

6 A. I believe we would put those on standups.

7 Q. So that would be the east half of the southeast?

8 A. Right, right.

9 Q. You guys notified Pecos and all of the interest
10 owners -- I'm sorry, all of the overrides in the southeast
11 quarter, southeast quarter?

12 A. Right.

13 Q. And I guess Pecos is the only operator in this
14 area that may be affected; is that your testimony?

15 A. Yeah, that's correct.

16 Q. This is not -- I guess there's no other Strawn
17 producing wells in this area?

18 A. I don't believe there are, no.

19 EXAMINER CATANACH: Okay, that's all I have.

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

21 Call Mr. Nelson to the stand.

22 Mr. Examiner, with respect to your last question,
23 there are some other Strawn wells, but they are in defined
24 pools or they soon will be in defined pools. And I think
25 Mr. Nelson's exhibit should show that.

1 RALPH L. NELSON,
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. BRUCE:

6 Q. Would you please state your name and city of
7 residence for the record?

8 A. Ralph Nelson, Midland, Texas.

9 Q. And who do you work for and in what capacity?

10 A. Mewbourne Oil Company, as a petroleum geologist.

11 Q. Have you previously testified before the Division
12 as a geologist?

13 A. I have.

14 Q. And were your credentials as an expert accepted
15 as a matter of record?

16 A. Yes.

17 Q. And are you familiar with the geology involved in
18 this Application?

19 A. I am.

20 MR. BRUCE: Mr. Examiner, are Mr. Nelson's
21 qualifications acceptable?

22 EXAMINER CATANACH: They are.

23 Q. (By Mr. Bruce) Mr. Nelson, could you identify
24 Exhibit 6 for the Examiner and discuss the Strawn
25 production in the Strawn pools in this area?

1 A. Exhibit 6 is an area map of Township 18 South, 32
2 East, showing the Strawn pools within the township. It
3 gives their names and also any special pool rules or
4 whatever the pool rules are for those pools. Notice that
5 we have the Querecho-Strawn Pool, the Young-Strawn Pool,
6 the North Lusk-Strawn Pool, and what is essentially the
7 north end of the Lusk-Strawn Pool into Section 32 and part
8 of 31.

9 North Lusk-Strawn Pool is statewide 40-acre
10 spacing, but with this special 20,000-to-1 GOR, and the
11 Lusk-Strawn Pool is special 160-acre spacing with 4000-to-1
12 GOR.

13 Q. Now, the Young-Strawn Pool, that is the subject
14 of the next application, is it not --

15 A. It is.

16 Q. -- Mr. Nelson? And that is currently on
17 statewide rules?

18 A. That's correct.

19 Q. Okay. And then with respect to this case it
20 shows the current boundaries and the proposed expansion
21 acreage. I know you'll get into this in more detail later,
22 but what is the status of the two Strawn wells you have
23 located within the current boundaries of the Querecho
24 Plains-Strawn Pool?

25 A. The Strawn well located in Section 15 has been

1 P-and-A'd. The Strawn well in the K location in 22 has
2 been recompleted and is currently a Morrow producer.

3 Q. Let's move on to your Exhibit 8. What does that
4 show?

5 A. Exhibit 8, or 7?

6 Q. Seven, excuse me.

7 A. Exhibit 7 is a structure map on top of the Strawn
8 formation around the subject area. Overall shows a
9 northwest-southeast-trending anticlinal structure on which
10 the Strawn mounds grew.

11 Q. Now let's move on to Exhibit 8. What does this
12 map demonstrate?

13 A. Exhibit 8 is a gross isopach in the Strawn
14 interval. On it shows two apparent mound buildups, one
15 with the thickest part in Section 21 in the H location in
16 21, and then one associated with the Mewbourne SF 22 Fed
17 Com Number 1.

18 The discovery well for the Querecho Plains was
19 the Shell Querecho Plains Unit Number 1 in the K location
20 of Section 22, which before being deepened to the Morrow
21 made 1.1 BCF and 546,000 barrels of oil.

22 Q. And what year was that well completed,
23 approximately?

24 A. I believe that well was completed in 1957.

25 Q. And produced for about 40 years?

1 A. Close to it, yes.

2 Q. One other thing on this map -- now, it shows --
3 you don't show much of a reservoir around the well in the
4 southwest quarter of Section 15. Was that a marginal
5 producer in the Strawn?

6 A. It was. Yes, it only produce for a brief time,
7 and the production records indicate it made about 5000
8 barrels of oil.

9 Q. One other item on this map. In the northwest
10 quarter of the southeast quarter of Section 23, you have a
11 well spotted. What is that well? The northwest southeast
12 of 22.

13 A. The northwest -- excuse me?

14 Q. The northwest quarter of the southeast quarter
15 of --

16 A. That is the Pecos Production well.

17 Q. No, in the southeast quarter. The northwest
18 quarter of the southeast quarter.

19 A. The K location in 22?

20 Q. No, no, no --

21 A. Oh, I'm sorry, that's a Mewbourne-proposed
22 location, a staked location, the Number 2 SF 22 Federal
23 Com.

24 Q. And is that proposed as a Morrow test?

25 A. It is proposed as a Morrow test.

1 Q. With the Strawn also an objective?

2 A. Yes.

3 Q. Okay. What is Exhibit 9, Mr. Nelson?

4 A. Exhibit 9 is a cross-section of the various wells
5 as shown on both Exhibits 7 -- well -- or, excuse me,
6 Exhibit 8, showing wells in the pool.

7 I would like to go through these, starting first
8 with the well in the middle, the Shell well, the Querecho
9 Plains Unit Number 1, showing the Strawn interval. The
10 Strawn was drill stem tested, flowed oil on drill stem
11 test, had a final shut-in pressure in excess of 5800
12 pounds. It was completed in the Strawn in January of 1957,
13 and through 11-94 had made the 546,000 barrels. There in
14 12 of '94 it was deepened to the Morrow, where it produces
15 today.

16 The next well I want to talk about is the
17 Mewbourne Oil Company SF 22 Federal Com, as an offset, has
18 a similar appearing zone to the Shell well. It was drill
19 stem tested and also flowed oil on the test, had a shut-in
20 pressure of 3991, showing some depletion, apparently, from
21 the old Shell well.

22 Just -- the well on the right side, the Federal
23 E, the Mark Production Federal E, shows a minor amount of
24 mound but no porosity, and therefore nonproductive, showing
25 an edge to the reservoir.

1 The well on the far left is the Ingram Federal 21
2 C, drilled in 1986, and found a very thick Strawn interval.
3 But through all their completion attempts, they were unable
4 to effect a commercial completion in the Strawn and
5 subsequently made a poor Bone Spring completion.

6 Now, just recently Pecos drilled the Querecho
7 Plains Number 2 in the E location in Section 22, 660 from
8 the west line, or just 990 feet from the old Ingram well,
9 and found a thicker section, not as thick, but with
10 significant amounts of porosity. They ran a drill stem
11 test, they did not flow oil to the surface, and they had a
12 final shut-in pressure of 1357, showing significant
13 depletion in the reservoir.

14 Currently their plans -- and currently they are
15 completing in the Morrow formation, however results to date
16 have not been promising.

17 Q. Okay. Now, in looking at this map and the other
18 plats that have been presented, Mewbourne has requested
19 well-location requirements for being able to place wells
20 330 feet from a quarter quarter section line. Are there
21 both geologic and surface reasons for this request?

22 A. Yes, there are. The Strawn reservoir apparently
23 can come and go rather quickly, although we did see some
24 communication apparently between our well, the SF 22
25 Federal Com Number 1 and the old Shell well. Communication

1 is marginal at best, as compared to what happened to Pecos
2 when they drilled their well and found that zone depleted.

3 Q. What was the approximate pressure in the
4 Mewbourne SF 22 well?

5 A. Approximately 4000 pounds.

6 Q. Substantially higher than in the Pecos Production
7 well?

8 A. Substantially higher.

9 Q. Okay. So because the reservoir comes and goes
10 quite quickly, you want a little more relaxed well location
11 requirement?

12 A. That's correct.

13 Q. Are there surface matters also?

14 A. Yes, there are many shallow wells in the area, as
15 well as pipelines, etc., to complicate surface location.

16 Q. Okay. And to the best of your knowledge, is this
17 federal surface on this section?

18 A. I don't know about that.

19 Q. Were Exhibits 6 through 9 prepared by you or
20 under your supervision, Mr. Nelson?

21 A. They were.

22 Q. And in your opinion, is the granting of this
23 Application in the interests of conservation and the
24 prevention of waste?

25 A. Yes.

1 MR. BRUCE: Mr. Examiner, I'd move the admission
2 of Mewbourne Exhibits 6 through 9.

3 EXAMINER CATANACH: Exhibits 6 through 9 will be
4 admitted.

5 EXAMINATION

6 BY EXAMINER CATANACH:

7 Q. Mr. Nelson, Mewbourne has staked a location in
8 the northwest of the southeast. That's going to be a
9 Morrow and a Strawn test?

10 A. Yes, we are drilling it to the Morrow, however
11 with the possibility of the Strawn being there.

12 Q. Well, do you believe the Strawn is there at that
13 location?

14 A. I do believe the Strawn may be there at that
15 location. The risk involved would be, is it communicated
16 to which reservoir? I believe our SF 22 Federal Com Number
17 1 has to be, in a sense, connected to the old Shell well,
18 but only in an indirect, tortuous manner, and that the risk
19 that we see with the Strawn, with the Number 2, would be
20 its close proximity to the Shell well.

21 Q. So you don't believe that these two Strawn
22 structures are separated?

23 A. They're separated to a degree, yes, because the
24 pressures are so vastly different between the Querecho --
25 the Shell Querecho -- excuse me, the Pecos Querecho Plains

1 Number 2 and our SF 22 Fed Com Number 1.

2 Q. Separated by what? Porosity, tight porosity?

3 A. Porosity, yes. There must be some perm barrier
4 between the two, not completely separating them, but
5 partially so.

6 Q. Now, the 22, has that been completed yet, the 22
7 Number 1?

8 A. It is -- I'm not sure it's been officially
9 potentialized, but it is testing and producing oil in the
10 Strawn.

11 Q. Is that going to just be at this point completed
12 in the Strawn, or do you --

13 A. Yes.

14 Q. And the original reservoir pressure in the
15 discovery well was --

16 A. -- 5880, according to the drill-stem test.

17 Q. 5880. Now, how did you determine the presence of
18 these Strawn structures? Did you guys have just well
19 control, or did you use something else?

20 A. Something else. 3-D seismic.

21 Q. Okay. So at this point, how does the northwest
22 quarter -- I'm sorry, the northeast quarter of Section 22,
23 is there any potential up there?

24 A. There could be, yes.

25 Q. You don't show it, though?

1 A. Not currently. We're keying off of several
2 seismic attributes, of which those attributes found in the
3 SF 22 Number 1 are not present in that part of the
4 northeast quarter of 22.

5 Q. Okay. In terms of the porosity and overall
6 reservoir quality, does the 22 Number 1 compare to the
7 discovery well for the pool, the Shell well?

8 A. I think it compares fairly favorably, yes. The
9 log we're looking at for the Shell well is an old gamma-ray
10 neutron, so a good, direct comparison is somewhat
11 difficult, as log scales aren't exact. But the flow rates
12 would indicate that from the drill stem test we have better
13 perm in our well than the old Shell well had, from the
14 flowing pressures.

15 Q. Do you know what the problems were associated
16 with the well in Section 21, why they never could make a
17 well out of that?

18 A. It's tight, and reading through the completion
19 reports, they were never able to produce any higher oil cut
20 than eight percent. We've seen this type of thick and
21 tight reservoir before in the Strawn, both wells we've
22 drilled and other operators as well.

23 Q. And you guys are asking for the 330 setback just
24 to give you additional flexibility to locate these wells.
25 Is it -- Do you believe it's necessary, Mr. Nelson?

1 A. I do, yes.

2 EXAMINER CATANACH: Okay, I have no further
3 questions.

4 MR. BRUCE: I have nothing further of this
5 witness.

6 EXAMINER CATANACH: Okay.

7 MR. BRUCE: Mr. Examiner, before we begin with
8 Mr. Montgomery's testimony, he is presenting a set of
9 exhibits which will be the exact same set that is going to
10 be used in the next case. As you've seen on Mr. Nelson's
11 exhibits, the next case involved is only a section over, so
12 what I propose to do is have Mr. Montgomery testify through
13 this set of exhibits as to both pools, and for the next
14 hearing we can just incorporate this testimony.

15 EXAMINER CATANACH: Okay.

16 BRYAN M. MONTGOMERY,
17 the witness herein, after having been first duly sworn upon
18 his oath, was examined and testified as follows:

19 DIRECT EXAMINATION

20 BY MR. BRUCE:

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

22 A. Bryan Montgomery.

23 Q. Where do you reside?

24 A. In Tyler, Texas.

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

1 A. For Mewbourne Oil Company, as manager of
2 reservoir engineering.

3 Q. Have you previously testified before the
4 Division?

5 A. Yes, I have.

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

8 A. Yes, they were.

9 Q. And are you familiar with the engineering matters
10 involved in both this Application and the application
11 regarding the Young-Strawn Pool?

12 A. Yes, I am.

13 MR. BRUCE: Mr. Examiner, I tender Mr. Montgomery
14 as an expert reservoir engineer.

15 EXAMINER CATANACH: Mr. Montgomery is so
16 qualified.

17 Q. (By Mr. Bruce) Mr. Montgomery, would you
18 identify Exhibit Number 10 and discuss the wells in this
19 area which form your basis for increasing the allowable in
20 this pool?

21 A. Exhibit 10 is a table of well data that I use to
22 summarize some information and also in making calculations
23 of drainage and my analysis.

24 The first three wells in the table, the Querecho
25 Plains Unit Number 1 we've talked about already. That's in

1 22 K, and that was a 1957 completion. And you see the
2 pressure there I have slightly different from my notes on
3 the DST of 5820, but in a sense that was virgin pressure.

4 Then the second well and the third well are also
5 in this pool we've talked about already.

6 And then the last three wells are in an
7 offsetting pool a mile to the west.

8 So let me start with the Querecho Plains Pool.
9 As I mentioned, that first well was the discovery well, and
10 it did have a DST that flowed oil to surface. The initial
11 GOR in that well was reported at 1700 standard cubic feet
12 per stock tank barrel, and in a minute I'll have a monthly
13 production curve showing the GOR history of that well. It
14 had oil gravities 42 to 44 degrees, which are very similar
15 to the Mewbourne well that we now have producing, this SF
16 22 Federal Com Number 1. There also we had a DST, and that
17 would have been last year, September, where we found the
18 reservoir pressure, after analysis, to be 4003 pounds.

19 So as was previously testified, we have a very
20 slight -- remarkably slight pressure reduction, after so
21 much oil that was produced from the first well, to be this
22 far away, which gives us a feeling that there is just a
23 small leak, if you will, of pressure and fluid between this
24 well and the old well, the Shell well, the 22 K, which was
25 very encouraging. The rates, as we're going to see later

1 in the plot, are very strong for this well. They would be
2 similar, I think, to what we'd expect from initial pressure
3 rates.

4 Using the PVT data, the gas-oil ratios that I
5 have here, the oil gravities, the pressures, I've
6 calculated the bubble point to be somewhat below 4000
7 pounds. 3500 pounds is a good round number. So here we
8 are with a well many, many years later, after over 500,000
9 barrels produced in close proximity, with pressures above
10 the bubble point and producing it -- basically initial
11 GORs.

12 Q. Mr. Montgomery, one thing, the DST on this well
13 was last September.

14 A. Yes.

15 Q. That well was, again, initially completed in the
16 Morrow, was it not?

17 A. It was, that explains the gap. We DST'd the
18 well, drilled down to the Morrow, made a Morrow completion,
19 produced Morrow gas. We had some reservoir depletion from
20 the south and produced at economic rates. We knew we had a
21 great zone up above here, but that production deteriorated
22 rapidly and we began to make plans to put a plug in the
23 well and come up to the Strawn.

24 And so by February you see some initial
25 completion notes in this table on this well that show some

1 GORs and other things. That's when we really began
2 producing, and that will become apparent when I show you a
3 daily plot of this well.

4 Q. Okay.

5 A. And then the last well on here of the first
6 three, the Querecho Plains Unit Number 2, it also had a
7 DST, we've already heard. The results of that were not as
8 good. They did not flow oil to surface. They flowed oil
9 into the drill pipe, but it was such low pressure, shut-in
10 at 1357 p.s.i., that the oil flowing into the drill pipe
11 effectively killed the production, and it was not able to
12 flow to surface.

13 Q. That's the Pecos Production well?

14 A. That's the brand-new Pecos Production well at 22
15 E.

16 So what we decided was what we have here was sort
17 of a two-tank system. We have the big 500,000-barrel well
18 that must have preferentially drained back to the
19 northwest, based on the pressures and the DST results of
20 the Pecos -- the new Pecos well -- and then a separate but
21 slightly connected tank that the Mewbourne 22 Number 1 is
22 in.

23 With the geologic information and this pressure
24 data we began to formulate this two-tank system, and that's
25 what we know today, and that's why we feel like these wells

1 can drain more than 40 acres. We see the well at 22 K
2 affecting a well caddy-corner 40 acres to the northwest
3 significantly. That's an 80-acre sort of egg, if you will,
4 or compartment size, and yet in the other direction it was
5 only slight.

6 So it's very complicated. And I think I'm going
7 to show later with some drainage area calculations on some
8 other wells that 40 acres is probably just too small and
9 that 80 acres is the optimum place to begin developing
10 these Strawn Pool reservoir wells.

11 Q. Let's discuss the Young-Strawn Pool wells. What
12 do those show?

13 A. Those, if you look back at the Exhibit 6, you'll
14 see to the west, Section 20 and 17 have three wells. These
15 are those three wells. They're important for the Querecho
16 Plains in that they become a nice analogy of what's going
17 on typically out here, and so one pool is a nice analogy
18 for the other. So I've just listed them all together here.

19 Going through these, you see the Young Federal
20 Number 1 was the first well drilled, the discovery well for
21 the Young-Strawn Pool. DST there in 1975 showed initial
22 reservoir pressure, 5710 p.s.i., and initial GORs around
23 1200, with the oil gravity at 46.1. Their initial
24 completion shows slightly higher gas-oil ratios. I think
25 that's just partly due to the inability of any of these to

1 be exact numbers.

2 But subsequent to that well producing -- and I
3 have a plot in a future exhibit to show that -- there were
4 two wells drilled by Mewbourne after this well was
5 abandoned and made about 100,000 barrels. And to the north
6 in Section 17, Mewbourne completed two Strawn wells called
7 the 17 Number 1 and the 17 Number 2, the 17 Number 2 being
8 in the J location, closer to the old Young well. And it's
9 the prolific producer.

10 The 17 Number 1, I'll show later, is tight. It
11 has to be pumped. We didn't DST either one of these, but
12 we're flowing -- testing by production both of them, and we
13 know that the 17 Number 2 can flow at high rates and has
14 good permeability and porosity on the logs, everything
15 seemed to make sense. The 17 Number 1 was just a poor
16 reservoir quality.

17 Q. Okay, Mr. Montgomery, let's move on to your
18 Exhibit 11. What does that show?

19 A. This one takes us back to the Querecho Plains
20 Unit Number 1, and I believe it's stapled together with a
21 second curve. Let's look at the first page, the Querecho
22 Plains Unit Number 1. Here you notice my production starts
23 in 1970, and that's because of the data accumulated by the
24 service they used begins there, but since 1957 it had been
25 producing, and those cumulatives are shown in my cumulative

1 table. If you look at the look at the top right-hand
2 corner of the plot you see cumulative oil at 546,451
3 barrels. It also shows the gas, the water and the
4 location.

5 The curves are -- the green is the oil and the
6 red is the gas, the black is the gas-oil ratio, and the
7 water is the blue.

8 And what I think this shows is that the gas-oil
9 ratio increased from 1990 -- I'm sorry, from 1970 to 1997,
10 when the well was -- or 1994, let's say, when the well was
11 recompleted to the Morrow, that that GOR did start around
12 2000 but for much of its life was above 2000 and actually
13 spiked up to 5000 or 10,000 and settled in close to 3500 or
14 4000 when it was finally abandoned for the Morrow.

15 I calculated a drainage area using the porosity
16 feet of this well and just did an average area, what would
17 that equate to, and I came up with 95 acres. By doing
18 that, I did incorporate the porosity of the Pecos well, the
19 new Pecos well.

20 Because they were in pressure communication, and
21 it has slightly higher porosity, I took the average of
22 those two and backed in with this cumulative production of
23 95 acres. And that again helped support the fact that
24 these wells, if they're prolific -- and they're poor, they
25 just won't do it, but if they're good wells they can easily

1 drain over 40 acres.

2 Then the second page is again a good analogy for
3 this first pool hearing, but it's also helpful for the
4 second one that we'll be talking about. This is the Young
5 Federal Number 1 in Section 20, the same kind of plot, with
6 oil being the green. It began production in 1975, so I
7 have the initial rates there on a daily basis. That very
8 peak at the top of the green in 1975 would be about 110
9 barrels a day. So it's not this super porosity. I don't
10 believe they would have pinched this back. The allowable
11 was 365 barrels a day in this pool also.

12 But it's a good well nonetheless, it's not
13 marginal. It made 100,000 barrels. The gas-oil ratio
14 here, again, is erratic. Sometimes that's based on surface
15 separation and pipeline pressures, pump efficiencies. But
16 in a sense it went from 2000 to 3000, and it dipped down to
17 1000, worked its way back up over to -- maybe to 2500. I
18 believe that the gas-oil ratios for these wells were
19 basically around 1500 for these kind of fluids. And
20 because of depletion and the natural increase in gas-oil
21 ratio would cause these to increase to 3000 or 4000 quite
22 easily.

23 The drainage area I calculated this well was 51
24 acres, and it was based on -- solely on the wellbore
25 itself, not averaging anything up to the north. I just

1 took the porosity they had there, with the help of our
2 geologist, and backed into 51 acres, again showing in
3 excess of 40 acres. This well was recompleted to the
4 Wolfcamp in about 2001, so it's no longer producing in the
5 Strawn.

6 Q. Let's discuss the new wells that have been
7 completed in these two pools. What does Exhibit 12 show?

8 A. Exhibit 12 is an exhibit with three plots,
9 encompassing the three wells in the two different pools.
10 First of all, we start with -- back on the Querecho Plains-
11 Strawn Pool, the well that we drilled in Section 22, the SF
12 22 Number 1.

13 Here again, you have some colors showing the
14 different data that's plotted versus time. These are just
15 daily numbers off of our gauge estimates that we record at
16 Mewbourne, the green being oil again, the red being gas,
17 the purple stars are choke sizes -- you can see us opening
18 the choke back and forth -- and then the gas-oil ratio is
19 the brownish circles.

20 And what I think this is showing me is that there
21 is a prolific nature to this well. We -- During the first
22 two weeks, if you notice, when the choke size is around
23 15/64, our oil production is about 450 barrels a day, and
24 the GOR at 1500. It bounces around, but it's roughly 1500.

25 And the next two weeks we aggressively opened the

1 choke, after obtaining permission by the OCD to test this
2 well for higher rates above the allowable, and found we
3 could get in excess of 900 barrels a day. And the trend,
4 in my mind, is somewhere between 850 to 650 barrels a day.

5 But the gas-oil ratio remained, in fact, maybe
6 slightly declined from 1500 to 1200. So by increasing the
7 oil rate, the gas-oil ratio changed very little. In fact,
8 it maybe gradually went down as the reservoir is trying to
9 reach all its boundaries and stabilize.

10 Then the last two weeks we closed the well back
11 in, basically, to get it back to allowable, and the oil
12 went back to near 400 barrels a day. And the gas-oil ratio
13 again remained at 1200.

14 So it's apparent to me that producing at higher
15 rates does not change the GOR appreciably in these good
16 wells and is not detrimental to recoveries in the
17 reservoir.

18 Then lastly, I want to mention that this
19 production profile is prolific. This is the good stuff,
20 and it lines up quite nicely with the way we look at these
21 logs. There's a good correlation between looking at a good
22 log and finding a good producer. And I believe this well
23 should have an oil allowable that's proportionate -- in
24 proportion to its productivity, and that's why we're asking
25 for 720 barrels of oil per day.

1 Q. And again, the data you have doesn't show any
2 harm to the reservoir by increasing the rate?

3 A. None at all.

4 The next page, we will -- we could get into more
5 detail at the next hearing, or while I'm on a roll I guess
6 I'll just go into some detail here, and then we'll look at
7 them again if we want to.

8 These are the two new wells in Section 17 that
9 Mewbourne drilled. The first one that I have shown --

10 Q. These are the Young-Strawn wells?

11 A. These are the Young-Strawn, Young-Strawn Pool
12 wells.

13 The first one I have shown is the 17 Number 2,
14 and I do that because it's the prolific well. The second
15 well does not have a lot of good data to really analyze.
16 But in the 17 Number 2 again you see it's a good producer,
17 and that's confirmed by very excellent log characteristics.

18 The oil rate here was changed, after we had
19 testing allowable approval by the OCD, from 350 barrels a
20 day, up to over 750 barrels a day, and then back down to
21 250 barrels a day, with a relatively stable GOR, although
22 the GOR is much more erratic on this well, and it's a
23 little lower, 1200 to 700 standard cubic feet per barrel,
24 bouncing around, it may have ended up close to 1100. We're
25 still gathering data on this well.

1 It's interesting to note, if you see there when
2 we opened the choke up and the green squares move up to the
3 higher rates, the oil was highest when the GOR actually
4 became its lowest, which I think is still strong evidence
5 that high oil rates are not causing high GORs. In fact,
6 because of the way fluids move in the reservoir, we
7 actually had a lower GOR at that time. But it's certainly
8 not detrimental to oil recovery. And again, this well
9 should be given an oil allowable to accommodate its high
10 productivity, and that's why we're asking in this other
11 pool -- I know we're not quite there yet -- for the same
12 720 barrels per day.

13 Q. And then what is the final page?

14 A. The final page is a poor producer. The well is
15 on pump, and the GOR is really all over the place, and
16 there's not much we can do to analyze this well to really
17 give us a feel for the reservoir. It's so tight that it
18 doesn't give us good information.

19 So that takes care of the data up to about last
20 week on the three wells that we have producing in these two
21 pools.

22 Q. What is the final exhibit, Number 13?

23 A. The final exhibit is a little better analogy,
24 because it's monthly production from a pool nearby, instead
25 of daily. It does have prolific wells, and this would be

1 the North Lusk-Strawn Pool you see on Exhibit 6, to the
2 south. There are five wells in Section 28, 29, 32 and 33
3 that produce from this pool. It's a fairly new pool, and
4 it's offsetting a massive -- as you know, the Lusk-Strawn
5 Pool is just to the west and south of here.

6 And it's interesting to note that when this pool
7 was first discovered, the North Lusk Pool, it had high
8 rates and virgin pressures being separated from that
9 massive Lusk-Strawn Pool.

10 And what I've done here is just put five curves
11 on, and I'd like to go through them briefly to show a
12 couple things. One that -- how oil rates have not been
13 detrimental to the recoveries; two, the GORs have increased
14 over time; and three, that it's more typical that these are
15 draining 80 acres than 40 acres.

16 The best way to do that is to look at the first
17 two curves as a pair. And if you look at the first well on
18 the exhibit, the Spear Federal Number 1, this well is in
19 33, and there's another well right next to it you see on
20 the map, on Exhibit 6.

21 The first well, the Spear, came on in 1997. And
22 here the green is oil. It's not real prolific. You see
23 the monthly oil rates around 6000 or 200 barrels a day.
24 The black is GOR, around 1700. But in 1998, the GOR
25 increased dramatically to over 10,000.

1 And if you flip to the second page, that's when a
2 prolific well came on right next to it, showing that over
3 those two 40s they were direct communication. It actually
4 had a slightly lower GOR, which is probably the true GOR
5 for the initial above-the-bubble-point pressure. But
6 within a couple months in 1998, it too began an increase in
7 GOR up to -- close to 10,000, has slowly come down.

8 You'll also note the oil on this well was higher
9 initially. It was the prolific well of the two, it was
10 much better perm.

11 So that shows excess of 40 acres being able to be
12 in communication.

13 Again, this can be shown on the next two plots,
14 which are a pair of wells. If you look on Exhibit 6, the
15 south of 29 and the north of 32, 40-acre-type offsets. The
16 first well that came on was this well in 29, and it was a
17 prolific well at about 500 barrels of oil per day, which
18 would have been in excess of its oil allowable, slightly.
19 That would have been a 365.

20 And I think it was actually a 2000 GOR at that
21 point in time. On our map here it shows 20,000. That was
22 just recently granted.

23 But you can see on this first well the GOR began
24 at around 1200 again and went up to 10,000, is now a little
25 over maybe 20,000 GOR. And about the time that the second

1 well came on, if you flip to the next page, the well in 32
2 came on in 2002, you see the GOR was instantly at about
3 10,000 and the oil rate was below 1000 per month.

4 Flipping back to the first curve, at that same
5 time in 2002 the GOR is there at 10,000 or just under. The
6 oil rate is a little higher, showing this well just has
7 better productivity.

8 So once again, the connectivity, in my mind, is
9 definite due to the correlation in GORs. So I think this
10 again shows 40 acres is too small for a prolific Strawn
11 producer and that they can drain in excess of 40 acres.

12 Then the last well is its own little, I think,
13 limited tank in Section 28, so there's nothing really for
14 me to describe here, but I did put it in to be complete.
15 And you see the GOR starting under 2000 and getting to
16 20,000. But I believe the well is finished producing, it
17 was a small, high-perm pocket.

18 Q. Okay. So in summary, Mewbourne is asking for 80-
19 acre spacing?

20 A. Yes, that's correct.

21 Q. And based on your drainage calculations, your
22 decline-curve analysis and the offsetting pools, you think
23 that's justified?

24 A. I do.

25 Q. And secondly, an allowable increase to what

1 level?

2 A. For oil, 720 barrels of oil per day, and GOR
3 4000.

4 Q. And do you believe that is justified not only by
5 the production characteristics of the new wells, but by the
6 offsetting production?

7 A. Yes, that's correct.

8 Q. And are you asking that these rules be temporary
9 for a year or a year and a half?

10 A. A year and a half, I think, would be sufficient.

11 Q. Were Exhibits 10 through 13 prepared by you?

12 A. They were.

13 Q. And in your opinion is the granting of
14 Mewbourne's Application in the interests of conservation
15 and the prevention of waste?

16 A. It is.

17 MR. BRUCE: Mr. Examiner, I'd move the admission
18 of Exhibits 10 through 13.

19 EXAMINER CATANACH: Exhibits 10 through 13 will
20 be admitted.

21 EXAMINATION

22 BY EXAMINER CATANACH:

23 Q. Mr. Montgomery, looking at your Exhibit Number 11
24 for the Querecho Plains Unit Number 1 --

25 A. Yes.

1 Q. -- it appears that the GOR for that well stayed
2 pretty stable for a few years. Well, let's see, this is --
3 as a matter of fact, this produced for a long time before
4 1970?

5 A. That's correct, and it's my belief it was
6 probably under 2000 at one time. The DST showed 1700, but
7 it's my opinion that the GOR was probably below 1500 for
8 those 13 years prior to this picking up and slowly coming
9 up, showing evidence of a large reservoir.

10 Q. Okay. So the GOR remained stable for several
11 years after initial production at a point below 2000?

12 A. Right, and that's because the productivity of the
13 well, versus the area it was draining, was in a situation
14 that allowed that to occur. When you have high-
15 productivity wells with more moderate-size tanks, the GORs
16 will move up more rapidly as the depletion occurs more
17 rapidly.

18 What we've seen, of course, is the Pecos well in
19 direct connection to this well with the 1350 pounds, but
20 then the Mewbourne well was a slight leaking of pressure.
21 And I believe that helped keep the GOR down, in fact. It
22 was a great indication of a place to try to drill a well.

23 Q. So how do you characterize -- do you believe that
24 the reservoir that the 7 -- that the 22-1 is in -- how does
25 that compare to the one that the Querecho Plains Number 1

1 was in?

2 A. I believe them to be in the same common
3 compartment with a high degree of connectivity in that the
4 22 Number 1 mostly drained back to the northwest, to the
5 Querecho Number 2 Pecos well. And that's why I believe
6 when they come on with their Strawn well they're going to
7 have very low rates and higher GORs than we do, even though
8 they have very, very good porosity.

9 And contrast that to the Mewbourne well back to
10 the east that did have some connectivity, 4000 pounds. We
11 weren't virgin pressure, it's not a completely sep- -- but
12 there's a minor leak there, and that's allowing us to have
13 virgin GORs, or at least -- we're above the bubble point so
14 we have GORs, and I believe they'll be there until we get
15 below the bubble point.

16 But at 720 barrels a day and at the high
17 productivity, that will happen rapidly, as we saw in the
18 North Lusk Pool, that the GORs could easily get over 2000.
19 Instead of 13 years to get there, one year, two years. And
20 the North Lusk Pool in about five years, all those wells
21 were at 10,000 GOR.

22 It depends on the size and the productivity, how
23 fast you can get to that GOR. And it's unknown at this
24 time, so we just need more data.

25 Q. Uh-huh. Well, I mean from the data that you've

1 got now, it doesn't appear that you need the GOR increase
2 at this point in time.

3 A. You could make that argument, but what we've
4 seen, I think, in a couple of the wells, if you look at the
5 well in the Young field, this next monthly plot, you see it
6 was bouncing around between 2000 and 3000 GOR from the very
7 beginning of time. It's an older well, not as prolific.
8 It's a slightly different -- It's a monthly plot that was
9 in the same exhibit that we had.

10 And so there's evidence in once case, the
11 Querecho Plains original well, that had 500- -- eventually
12 made 500,000 barrels and surprisingly enough didn't even
13 finish draining one of the compartments, I think that's the
14 exception, to tell you the truth, Judge. I think that the
15 GORs will move higher with these prolific wells that we
16 have, much more rapidly than those many years it took that
17 well to get above 2000. I think we'll be above 2000 fairly
18 rapidly.

19 But we're not there yet, we've only been on for a
20 month, you're right.

21 Q. But you may be back in a year and a half, and it
22 may be at that time that you may need the GOR increase?

23 A. Right, or if we don't get the relief at this
24 point, we may ask for it sooner than a year and a half if
25 we see that, that's correct.

1 Q. Okay. The new wells -- I'm sorry, you presented
2 some drainage --

3 A. Yes.

4 Q. -- testimony, but you didn't present any drainage
5 calculations.

6 A. That's correct. Yeah, I don't have it as an
7 exhibit. I'm sorry, if that would have been more helpful,
8 but I can go through my notes and we can talk about those
9 drainage calculations.

10 Q. Well, let's see, you did it on the well, on the
11 discovery well --

12 A. -- for the Querecho, yes.

13 Q. -- yeah, the State -- the 20 --

14 A. -- and for the -- right.

15 Q. Okay, for the two discovery wells.

16 A. That's correct, that had lots of production. I
17 felt I could make that calculation. I did not do any for
18 the North Lusk field analogy that I brought.

19 Q. Okay. Can you supply me with those calculations
20 at some point after the hearing?

21 A. Sure, yes, absolutely.

22 Q. Those would be helpful. And you did come up with
23 51 acres in the Young pool?

24 A. Yes.

25 Q. And 95 acres --

1 A. -- 95 acres in the Querecho.

2 Q. Okay. And did you do any preliminary data on the
3 22 Number 1 well, any preliminary-type drainage
4 calculations?

5 A. Sure, yeah. We take, you know, the pressure and
6 we take 40 acres and assume we have that kind of porosity
7 and try to come up with some -- we don't have the
8 production to -- It's more volumetric, I'd call it, yes,
9 not drainage but volumetric.

10 Q. Well, what did you determine in that well?

11 A. Well it's very similar to this 95 acres, because
12 we're a little lower pressure but we're still above the
13 bubble point. So if 550,000 barrels can drain 95 acres, it
14 wouldn't be unreasonable to say that 80 acres could recover
15 -- maybe not quite that much, because we're at a little
16 lower pressure, but somewhere close to that. We do have
17 good porosity here.

18 It matters, of course, what you're really
19 connected to, and we know now that the original Querecho
20 well was connected to what the Pecos well drilled, a very,
21 very nice, thick, porous zone near a thick and tight well
22 just to its west. So it depends what we're connected to.
23 But yes, if we just assume cost and porosities, it would be
24 on that order of magnitude.

25 Q. Okay. Have you done any similar analysis of the

1 two new wells in Section 17?

2 A. Yes, yes, the well in 17 Number 1 has very low
3 porosity, and so it will have -- it will be unable to drain
4 large areas due to its lower permeability and porosity.

5 The well in 17-2, the well further to the south,
6 does have good porosity, prolific rates, higher than the
7 Young well. So I think it has the ability to drain
8 whatever it's connected to, is the way I like to put it.
9 We don't really know if there's a barrier between the 20
10 Number 1 to the south and the 17-2 or if the 20 Number 1
11 just was unable to completely drain that.

12 You notice the GORs there didn't get 10,000 like
13 they did in the north Lusk. So again, we felt like it
14 would be an excellent well to offset, hoping that it was
15 evidence of a larger tank, from an engineering side.

16 But yes, I have some preliminary calculations on
17 what 40 acres or 80 acres would provide for the 17 Number
18 2.

19 Q. And that 17 Number 2, did that data indicate an
20 area in excess of 40 acres?

21 A. Well, we don't have the data to show that. I
22 don't have any calculation. I just assume 80, but we don't
23 know geologically, we haven't produced enough.

24 We know the well to the south only had 51.
25 That's not an exact number, but let's assume that's

1 correct. So it doesn't quite spill over into 17.

2 So if there's a barrier, and that's why it has 51
3 acres, or if it just -- that's as far as it could drain,
4 then certainly with the mapping we have, even though we
5 have a tight well to the north, we have 160 acres in the
6 southeast of 17 that could be productive, and basically
7 very low drainage from the old well that made 100,000
8 barrels.

9 We are contemplating, you know, drilling a well
10 south of that well and just -- those are risks. You
11 compete with yourself, and is the well going to be tight or
12 permeable?

13 Q. We've had a little experience with Strawn
14 reservoirs in the recent history. Are these the same kind
15 of reservoirs, volatile-oil reservoir-type situations?

16 A. These are not as volatile. The initial GORs in
17 some of the hearings you alluded to, our Shugart Pool, were
18 closer to 2000, 2500.

19 And if you go further west, they go to completely
20 gas, almost all gas Strawn -- This is again further east,
21 and the GORs are slowly coming down, but they would
22 actually still fall in a classic volatile range and they
23 just would not be as gassy.

24 But I think as evidenced by the -- The North Lusk
25 Pool has given me a lot of things to think about. It's in

1 this region and its GORs are getting quite high, and I
2 think part of it has to do with the productivity of these
3 wells also.

4 I would point out that the big Lusk Pool is 160-
5 acre spacing with a 4000-to-1 GOR.

6 Q. But you didn't go into any analysis of the Lusk-
7 Strawn Pool --

8 A. No, no, it's a massive pool, it would take a
9 large study to do that.

10 Q. And the 22 Number 1, that's capable of over 900
11 barrels a day; is that right?

12 A. That's correct. That's correct, we produced a
13 few days over 800 and two days over 900.

14 Q. Okay so you'll still be pinching it back somewhat
15 with a 720-barrel allowable?

16 A. Right, there's no way to know how much or how
17 long, but yes.

18 Q. And the 17-2 is capable of -- I think you had a
19 day in excess of 900 on that?

20 A. I did, one day, right. There were four or five,
21 six days at 750 or above and one day over 900 before we
22 pinched it back.

23 We had a testing allowable set up with the OCD to
24 run these high rates, with 125 percent of allowable, so we
25 tried to design a test that allowed us more than one or two

1 days.

2 They were never produced -- Neither well was ever
3 produced absolutely wide open. They were always choked
4 back to some degree, even at the high rates.

5 Q. Do you believe that the short nature of these
6 tests will give you an accurate view of whether or not the
7 GOR will remain low or --

8 A. In compass with everything I know, with the other
9 pools we've talked about, the type of fluid, the type of
10 productivity, I strongly believe the GORs will not stay at
11 2000 for very long. Being able to accumulate the kind of
12 oil rates we think we're going to be able to accumulate
13 will cause those GORs to increase above 2000 in the near
14 future.

15 Q. But you don't believe the high rates of oil are
16 going to detrimentally cause waste?

17 A. No, I don't. I haven't seen any evidence of
18 that, to support that.

19 EXAMINER CATANACH: Okay, I believe that's all I
20 have, Mr. Bruce.

21 MR. BRUCE: I have nothing further of the
22 witness.

23 EXAMINER CATANACH: So there's nothing further in
24 this case, Mr. Bruce?

25 MR. BRUCE: Nothing further in this matter, Mr.

1 Examiner.

2 EXAMINER CATANACH: Okay, there being nothing
3 further in this case, Case 13,242 will be taken under
4 advisement.

5 (Thereupon, these proceedings were concluded at
6 9:43 a.m.)

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13 I do hereby certify that the foregoing is
14 a complete record of the proceedings in
the Examiner hearing of Case No. 13242
15 heard by me on April 1 2009.
16 David R. Catnach, Examiner
Oil Conservation Division
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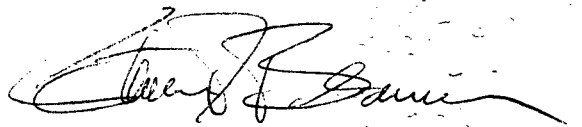
CERTIFICATE OF REPORTER

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 April 2nd, 2004.



STEVEN T. BRENNER
CCR No. 7

My commission expires: October 16th, 2006