



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

March 22, 1993

KELLAHIN AND KELLAHIN
Attorneys at Law
P. O. Drawer 2265
Santa Fe, New Mexico 87504

RE: CASE NO. 10678
ORDER NO. R-4988-A

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

A handwritten signature in cursive script that reads "Sally".

Sally E. Leichtle
Administrative Secretary

cc: BLM - Carlsbad

1 STATE OF NEW MEXICO
2 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
3 OIL CONSERVATION DIVISION
4 IN THE MATTER OF THE HEARING)
5 CALLED BY THE OIL CONSERVATION)
6 DIVISION FOR THE PURPOSE OF)
7 CONSIDERING:)
8 APPLICATION OF CONOCO, INC.) CASE NO. 10678
9 -----)

10 REPORTER'S TRANSCRIPT OF PROCEEDINGS

11 EXAMINER HEARING

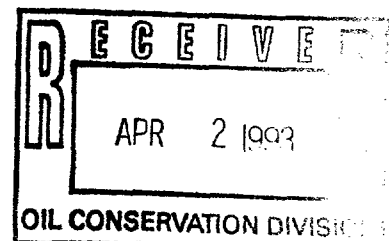
12 BEFORE: David R. Catanach, Hearing Examiner

13 March 4, 1993

14 Santa Fe, New Mexico

15 This matter came on for hearing before the
16 Oil Conservation Division on March 4, 1993, at 11:01
17 a.m. at the Oil Conservation Division Conference Room,
18 State Land Office Building, 310 Old Santa Fe Trail,
19 Santa Fe, New Mexico, before Freda Donica, RPR,
20 Certified Court Reporter No. 45, for the State of New
21 Mexico.

22 **ORIGINAL**



I N D E X

March 4, 1991
Examiner Hearing
CASE NO. 10678

PAGE
3

APPEARANCES

CONOCO'S WITNESSES:

SUSAN HAYCOCK

Direct Examination by Mr. Kellahin 4
Examination by Examiner Catanach 15

MARK McCLELLAND

Direct Examination by Mr. Kellahin 20

REPORTER'S CERTIFICATE

27

* * *

E X H I B I T S

1 - Production Plat
2 - Isopach Map
3 - Isopach Map
4 - Cross Section
5 - Location Map
6 - Notice of Remedial Work
7 - Certificate of Mailing

ID	ADMTD
6	17
9	17
12	17
15	17
24	25
25	25
25	25

A P P E A R A N C E S

FOR THE DIVISION:

ROBERT G. STOVALL, ESQ.
General Counsel
Oil Conservation Commission
State Land Office Building
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

FOR THE APPLICANT:

KELLAHIN & KELLAHIN
117 N. Guadalupe
Santa Fe, New Mexico
BY: THOMAS KELLAHIN, ESQ.

1 EXAMINER CATANACH: At this time we'll call
2 Case 10678.

3 MR. STOVAL: Application of Conoco, Inc.
4 for an unorthodox gas well location and to amend
5 Division Order No. R-4988, Lea County, New Mexico.

6 EXAMINER CATANACH: Are there appearances
7 in this case?

8 MR. KELLAHIN: Mr. Examiner, I'm Tom
9 Kellahin of the Santa Fe law firm of Kellahin &
10 Kellahin appearing on behalf of Conoco, Inc., the
11 applicant, and there are two witnesses to be sworn.

12 EXAMINER CATANACH: Any other appearances?
13 Will the witnesses please stand and be sworn in?

14 (Witnesses sworn.)

15 MR. KELLAHIN: Mr. Examiner, my first
16 witness is Miss Susan Haycock. She's a petroleum
17 geologist with Conoco, Inc.

18 SUSAN HAYCOCK
19 the witness herein, after having been first duly sworn
20 upon her oath, was examined and testified as follows:

21 EXAMINATION

22 BY MR. KELLAHIN:

23 Q. Would you please state your name and
24 occupation?

25 A. Yes. My name is Susan Haycock. My title

1 is senior geophysicist. I work for Conoco in Midland,
2 Texas.

3 Q. Have you on prior occasions testified
4 either as a geologist or a geophysicist before the
5 Division?

6 A. No, I have not.

7 Q. Summarize for us your education.

8 A. Okay. I graduated with a bachelor of
9 science degree in geology from New Mexico State
10 University in 1985 and then received my master of
11 science in geology from Baylor University in 1987.

12 Q. Subsequent to graduation, have you been
13 employed either as a geologist or a geophysicist in
14 the oil and gas industry, particularly with regards to
15 producing properties in New Mexico?

16 A. Yes, since 1987 I have been employed with
17 Conoco. The first two years I worked in the Gulf of
18 Mexico; however, since 1989 I have worked in this area
19 of Lea County, New Mexico, doing joint reservoir
20 studies with a petroleum engineer.

21 Q. Have you made a geologic investigation that
22 affects certain spacing units that are under the
23 operation of Conoco in the Eumont Gas Pool in Lea
24 County, New Mexico?

25 A. Yes, I have.

1 Q. Does any of your work require you to
2 utilize your knowledge and expertise as a
3 geophysicist?

4 A. Yes, it does. However, in this particular
5 instance, it's based on pure geology and not any
6 geophysics.

7 MR. KELLAHIN: We tender Miss Haycock as an
8 expert petroleum geologist.

9 EXAMINER CATANACH: She is so qualified.

10 Q. (By Mr. Kellahin) Let me have you turn to
11 what is marked as Exhibit 1. Identify that display
12 for us.

13 A. Okay. Exhibit Number 1 is a production
14 plat of current Eumont producing wells. The only
15 wells shown on this plat are currently producing from
16 the Eumont. It does not show a few other wells within
17 our proration unit that have produced in the Eumont in
18 the past.

19 Q. What is the significance of the area that's
20 stippled in blue?

21 A. That is Conoco's Lockhart B 480-acre
22 proration unit.

23 Q. That is the subject of this hearing?

24 A. That is right.

25 Q. There currently exists on that spacing unit

1 a producing well in this pool?

2 A. Yes. In Section 13 in the southwest
3 quarter there is a Conoco Lockhart B Number 9 well
4 which is currently producing from the Eumont Gas Pool
5 from the Penrose member of the Queen Formation. And
6 it is currently making about 90 MCF a day. And it is
7 the only well currently producing the 480-acre
8 proration unit.

9 Q. When you look on that display in the
10 stippled area, there is a proposed Lockhart B-11
11 Well. What is that?

12 A. Okay. This is a well that we are
13 requesting the unorthodox location for. It is the
14 Lockhart B Number 11 Well. Its proposed location is
15 760 feet from the north line, 660 feet from the east
16 line of Section 14 in Township 21 South, Range 36
17 East, of Lea County, New Mexico.

18 Q. Pursuant to the Eumont Gas Pool rules for a
19 nonstandard proration unit of 480 acres, what do the
20 rules require you to be in order to have a well at a
21 standard location?

22 A. As I understand it, the rules call for the
23 well to be 660 and 990 from the outer limits of the
24 proration unit. And in this case, we need the 660
25 requirement; however, our proposed location is 760

1 from the north line. And that's why it would be an
2 unorthodox location.

3 Q. Too close to the north line by a couple of
4 hundred feet?

5 A. Right.

6 Q. Give us an overview of the Eumont Gas Pool
7 as it has been produced on the Lockhart nonstandard
8 proration unit. And what has caused you to conclude
9 that you need the unorthodox location?

10 A. Okay. On the Lockhart B, 480-acre
11 proration unit, the -- in the past the only part of
12 the Eumont Gas Pool that has produced is a Penrose
13 member of the Queen. And the Eumont consists of the
14 Yates, Seven Rivers and Queen/Penrose. There have
15 been -- besides the Lockhart B Number 9, which is
16 currently producing, there have been three other wells
17 that also produce from the Penrose. Those wells were
18 --

19 Q. Within this spacing unit?

20 A. Within this spacing unit. Those wells are
21 no longer producing for the Eumont. In 1986 they were
22 turned over to Chevron's Eunice Monument South Unit,
23 which is a unitized Grayburg/San Andres waterflood.
24 So those are not available for any recompletion work
25 for the Eumont.

1 Q. As part of your analysis, what have you
2 concluded as a geologist is the next best opportunity
3 to recover additional recoverable gas reserves for the
4 owners of this spacing unit from this pool?

5 A. Okay. In order to make an economically
6 commercial well in this proration unit, we need to
7 recover reserves from both the Penrose member of the
8 Queen Formation as well as the overlying Seven Rivers
9 Formation. We have concluded that reserves from the
10 Penrose member alone would not justify an economic
11 well.

12 So what we would like to show in our
13 exhibits is that, although the Penrose extends across
14 the proration unit, or hydrocarbons in the Penrose
15 extend across the proration unit, the pay decreases
16 from west to east. But more importantly, in the upper
17 part of the Seven Rivers Formation, which is part of
18 our objective, it decreases even more dramatically
19 from northwest to southeast. And so the only place
20 that we can sufficiently recover reserves from both of
21 those intervals is in -- at this unorthodox location
22 in the northwest corner of the proration unit.

23 Q. Let's turn to Exhibit Number 2. Would you
24 identify that exhibit for us?

25 A. Okay. This Exhibit Number 2 is a net pay

1 isopach map of the Queen and Penrose. It is on a
2 contour interval of 25 feet. Basically, what it's
3 showing is that the net effect of pay decreases from
4 the western portion of the map to the eastern portion
5 of the map. That is shown by -- in the northwestern
6 corner of the map in Section 11, there is a Conoco
7 State D Number 16 well, which has about 198 feet of
8 net effective pay in this interval. And you move
9 eastward across the map and east of our proration unit
10 in Section 13, you can see Meridian has two wells, the
11 Gutman Number 1 and 2, and the pay has decreased down
12 to 64 feet. What we used for criteria for net
13 effective pay in this area is six percent porosity
14 cutoff.

15 Q. This display shows some other wells in open
16 squares within the nonstandard proration unit.

17 A. Yes.

18 Q. Identify those for us.

19 A. Okay. Three of those four wells -- the two
20 wells in the eastern half of the eastern half of
21 Section 14, the Chevron EMSU 392, which is south of
22 our proposed location, and the Chevron EMSU Number
23 432, both of those wells were producing from the
24 Penrose Formation, the Penrose member of the Queen,
25 and were turned over to Chevron EMSU Grayburg/San

1 Andres flood in 1986.

2 If you move to the next Section over to the
3 east in the northwest corner of Section 13, there is a
4 Chevron EMSU Number 352 well, which is northeast of
5 our proposed location. That well also produced from
6 the Penrose member of the Queen before it was turned
7 over to the EMSU in 1986.

8 The only other well shown besides the past
9 and present Eumont producers is in the very northwest
10 corner of the proration unit, the Chevron EMSU 353
11 well. That well has never produced from the Eumont.
12 It has always produced from the Grayburg/San Andres.
13 The reason I included it on this map is because it is
14 the closest offset to the proposed location, and we
15 used the logs for that particular well to count net
16 effective pay and feel that that would be the most
17 similar in reservoir characteristics to our proposed
18 location.

19 Q. On this map you also show the offsetting
20 wells. Can you identify for us the offsetting
21 operators towards which this well encroaches?

22 A. Yes. To the north is Lewis Burleson,
23 Incorporated, with the Marshall Number 1 Well, and
24 John Hendrix Corporation with the MS Berryman Number 1
25 Well. Both of those wells are currently producing

1 from the Penrose Formation, and both are currently
2 making about 170 MCF a day. The other operator would
3 be offsetting to the west in Section 14, which is
4 Chevron.

5 Q. Let's turn now to Exhibit Number 3 and have
6 you identify and describe that display.

7 A. Okay. Exhibit Number 3 is a net effective
8 pay isopach map for the upper portion of the Seven
9 Rivers, which is one of our targets. The contour
10 interval here is five feet. And, again, the criteria
11 for net effective pay is based on the six percent
12 porosity cutoff. This map is similar to the Queen
13 Penrose in that the effective pay decreases from west
14 to east, or from northwest to southeast. If you go to
15 the northwest corner of the map in Section 11, there
16 is the Conoco State D Number 16 Well which shows 25
17 feet of pay in the upper part of the Seven Rivers.
18 And as you go to the east, especially east of our
19 proration unit to Meridian's two wells, the Gutman
20 Number 1 and 2, you can see that the net effective pay
21 is nearly gone; one foot in the Gutman Number 1, two
22 feet of pay in the Gutman Number 2.

23 Q. Is it the custom and practice in the pool
24 for the operators to have multiple wells in the pool
25 within a given proration unit?

1 A. Yes. However, in this particular area, in
2 this mapped area here, the only well which produces
3 from the upper portion of the Seven Rivers is the
4 Conoco State D Number 16 Well in the northwest corner
5 of the map in Section 11. All the other wells have
6 only produced from the Penrose member of the Queen.

7 The upper portion of the Seven Rivers is a
8 relatively new pay to us, and we have proved that the
9 State D Number 16 has been productive, or can be
10 productive in the upper part of the Seven Rivers. And
11 that is based on a recent recompletion to that
12 interval in January of this year.

13 I think the most important part of this map
14 is, if you just concentrate on the 480-acre proration
15 unit, you can see in the northwest corner Chevron EMSU
16 353 has 25 feet of pay. That correlates very well
17 with our Conoco State D Number 16 Well to the
18 northwest of it. However, as you move east and south
19 of that well, the Seven Rivers pay decreases very
20 rapidly. As you move east of the proposed location in
21 Section 13 in the northwest corner there, the EMSU
22 Number 352 shows only four feet of pay in the upper
23 portion of Seven Rivers.

24 Q. The only currently producing pool well is
25 the Queen producer down in the center of the spacing

1 unit, the Lockhart B-9?

2 A. Yes, that's correct.

3 Q. Is there a reasonable opportunity for that
4 well to adequately produce the hydrocarbons in the
5 pool at that location?

6 A. No, it can't recover enough reserves from
7 the upper Seven Rivers. You can see by this net
8 effective pay map that it only has four feet of net
9 effective pay in the upper portion of the Seven
10 Rivers. It wouldn't be worth the recompletion for
11 that.

12 Q. Can you help us describe your reasonings
13 and conclusions why you couldn't take this location
14 and move it 230 feet to the south and thereby be a
15 standard location?

16 A. Well, you can see by these contours just
17 moving any distance south of the proposed location
18 would be a decrease in net effective pay. You're
19 going from a 20-foot average net effective pay at the
20 proposed location. Anything south would be less than
21 that, going to 15 to ten. And, again, this is just
22 based on the best interpretation of the data,
23 contouring it. And you can see going south to
24 Chevron's EMSU Number 392, in the eastern portion of
25 Section 14, there's only ten feet of pay in the upper

1 portion of the Seven Rivers. So any distance to the
2 south would be a decrease in Seven Rivers pay.

3 Q. Do you have a cross section that will help
4 us illustrate how you have prepared your isopach on
5 the upper Seven Rivers pay?

6 A. Yes. The cross section A-A prime, which is
7 Exhibit Number 4, the location of this cross section
8 is shown on the upper Seven Rivers net pay isopach,
9 which is the exhibit we just looked at, Exhibit Number
10 3. The cross section goes from the northwest, from
11 the Conoco State D Number 16 Well in Section 11. It
12 heads to the southeast to Chevron EMSU Number 353
13 Well, which is in the northeast corner of Section 14,
14 goes to our proposed location of the Lockhart B Number
15 11 Well, and ends up in the very northwest corner of
16 Section 13, just east of our proposed location to the
17 Chevron EMSU Number 352 Well.

18 This is a stratigraphic cross section.
19 It's hung on the top of the Seven Rivers Formation.
20 This is an easy marker to pick. What we're showing
21 here is the Seven Rivers, Queen, and Penrose. The
22 yellow that you see on the tract to the right of each
23 depth column of these particular wells is porosity
24 greater than six percent. So any porosity greater
25 than six percent is shaded yellow. If you concentrate

1 on the upper part of the Seven Rivers, this is what --
2 the point I'm trying to illustrate.

3 In the Conoco State D Number 16 Well you
4 can see the perforations. They're noted to the right
5 of the depth column in black. Those are the intervals
6 that we perforated in the Conoco State D Number 16
7 Well in January of this year. It came on showing at
8 over a million cubic feet of gas a day. It is
9 currently still making about a million cubic feet of
10 gas a day. That porosity interval correlates very
11 nicely to the northwest corner of our 480-acre
12 proration unit. This next well, the Chevron EMSU
13 Number 353 is just 400 feet northwest of our proposed
14 location. You can see that that porosity correlates
15 very well. And we also had a drilling shoal in the
16 upper parts of the Seven Rivers when that well was
17 drilling. As you move eastward to Section 13 in the
18 northwest corner, EMSU Number 352, you can see the
19 interval between those dashed lines. We are giving it
20 four feet of net effective pay. The porosity is
21 nearly gone at that point. So we need to stay as
22 close as possible to this EMSU Number 353 Well, which
23 is 400 feet northwest of our proposed location.

24 Q. Were Exhibits 1 through 4 prepared by you
25 or compiled under your direction and supervision?

1 A. Yes, they were.

2 Q. And in your opinion, will the approval of
3 this application be in the best interests of
4 conservation, the prevention of waste, and the
5 protection of correlative rights?

6 A. Yes, it will.

7 MR. KELLAHIN: That concludes my
8 examination of Miss Haycock. We move the introduction
9 of her Exhibits 1 through 4.

10 EXAMINER CATANACH: Exhibits 1 through 4
11 will be admitted as evidence.

12 Miss Haycock, what is the significance of
13 the six percent porosity cutoff?

14 THE WITNESS: That's the joint geologic
15 study, geologic and reservoir engineering study that
16 we have done in this area, not only includes this
17 particular proration unit, but also a much larger
18 area. And we have found that anything over six
19 percent porosity tends to be productive, anything less
20 than that is usually either marginal or not
21 productive.

22 EXAMINER CATANACH: As I understand it, the
23 real need for the unorthodox location would be the
24 Seven Rivers interval.

25 THE WITNESS: Yes. We can't justify on the

1 Penrose alone. There's two wells just offsetting us
2 to the north, as was shown in Exhibit Number 1, the
3 Lewis Burleson Marshall Number 1 and the John Hendrix
4 MS Berryman Number 1 in the southeast quarter of
5 Section 11. Both those wells are completed in the
6 Penrose, currently making 170 MCF a day. And we just
7 feel that that wouldn't be economic for us to drill
8 for that.

9 EXAMINER CATANACH: Will your proposed well
10 be completed in the Penrose?

11 THE WITNESS: It will be completed in the
12 Penrose and the upper Seven Rivers.

13 EXAMINER CATANACH: Moving south to a
14 standard location, do you lose anything in the
15 Penrose?

16 THE WITNESS: If you look at the Exhibit
17 Number 2, moving to the south of the proposed location
18 shows that you will lose a little bit of pay in the
19 Penrose. And you can see to the north in EMSU 353
20 Well, in the northwest corner of the proration unit,
21 there is 136 feet of pay. As you move south to the
22 EMSU 392, there's 130 feet of pay. And as you move
23 south from there to the northeast -- to the southeast
24 corner of Section 14, EMSU 432, there's only 91 feet
25 of pay. So every time you move a little bit south,

1 you're losing pay in the Penrose as well.

2 EXAMINER CATANACH: What's your estimate on
3 how much pay you'd lose in the Seven Rivers at a
4 standard location?

5 THE WITNESS: Well, let's see, in a
6 standard location we'd probably lose at least six feet
7 of pay.

8 EXAMINER CATANACH: Is that significant in
9 terms of producing rate or ultimate recovery?

10 THE WITNESS: Well, in my reservoir
11 engineer's testimony, he is going to go over what he
12 used for pay and what reserves we came up with to make
13 this well economic for us. I believe that it would be
14 -- we need to get as much upper Seven Rivers pay as
15 possible. We don't have any real assurance that even
16 at that location we will get, you know, that much
17 pay. Everything is just based on the best contouring
18 information that we have at this time.

19 EXAMINER CATANACH: Besides the Conoco
20 State D Number 16, are there any wells to the north
21 there complete in the Seven Rivers?

22 THE WITNESS: In this map area there is
23 not. There's a well to the north of the State D
24 Number 16 that's not shown in this map. It's in the
25 same township and range, but it's in Section 3 to the

1 north. And that well was produced or is producing
2 from the upper Seven Rivers; it's completed in the
3 same interval as our State D Number 16.

4 EXAMINER CATANACH: There's probably some
5 potential for the Lewis Burleson Marshall Well to be
6 completed in Seven Rivers?

7 THE WITNESS: Yes.

8 EXAMINER CATANACH: I believe that's all I
9 have.

10 MR. KELLAHIN: Mr. Examiner, I call Mark
11 McClelland. Mr. McClelland is a petroleum engineer.

12 MARK McCLELLAND
13 the witness herein, after having been first duly sworn
14 upon his oath, was examined and testified as follows:

15 EXAMINATION

16 BY MR. KELLAHIN:

17 Q. For the record, sir, would you please state
18 your name and occupation?

19 A. My name is Mark McClelland. I'm a
20 petroleum engineer and a reservoir engineer with
21 Conoco. My title is senior reservoir engineer. I've
22 worked with them since 1973.

23 Q. On prior occasions have you testified as an
24 engineer before the Division?

25 A. Yes, I have.

1 Q. Summarize for us what it is that you and
2 Miss Haycock have done concerning additional Eumont
3 gas potential within Conoco operating spacing units.

4 A. Miss Haycock and I have worked together
5 approximately three years now in this area, trying to
6 develop Conoco's interest in the Eumont Pool. This is
7 just one of several studies that we have conducted in
8 this area. The idea behind the studies is to optimize
9 our acreage position in the Eumont Pool, pick up
10 additional projects so we can develop further
11 reserves.

12 Q. Based upon that study, do you have
13 engineering opinions and conclusions concerning the
14 location of what's identified as the Lockhart B Number
15 11 Well?

16 A. Yes, I do.

17 MR. KELLAHIN: We tender Mr. McClelland as
18 an expert reservoir engineer.

19 EXAMINER CATANACH: Mr. McClelland is so
20 qualified.

21 Q. (By Mr. Kellahin) Let's use any one of the
22 displays you like, Mr. McClelland, to give us a point
23 of reference and have you analyze for us from your
24 perspective as a reservoir engineer what you think you
25 will achieve if this location is approved that you

1 cannot obtain if you have to move to the closest
2 standard location.

3 A. Let me speak from Exhibit Number 2, which
4 is the Queen-Penrose net pay isopach map. As Miss
5 Haycock previously testified, our proration unit has
6 been developed through four previous Eumont
7 completions. These wells have made over six BCF total
8 from this proration unit. Currently, one well is
9 still producing, the Lockhart B Number 9, making
10 approximately 90 MCF per day. The other three
11 producers were unitized into the EMSU. The Penrose is
12 productive across this entire unit, and we could drill
13 a well to try to justify just for Penrose production.

14 However, later completions in this
15 reservoir -- not all four wells were completed at the
16 same time. The first well was in 1956; the last well
17 was in 1980. The producing rates and pressures of the
18 successive wells in the Penrose decrease with time,
19 showing depletion across this proration unit. Were we
20 to try to justify drilling a well on the Penrose
21 alone, we would not be able to do so. The remaining
22 reserves in the Penrose do not justify drilling at
23 this location. What makes this location attractive in
24 the northwest corner is the addition of the Seven
25 Rivers pay that we recently discovered in this Conoco

1 State D Number 16. Seven Rivers adds both reserves
2 and attractive rate to this location which makes it an
3 economical project to pursue.

4 Q. When you look at Miss Haycock's displays,
5 Exhibit Number 3, the mapping of the upper Seven
6 Rivers net pay, there is a difference in thickness
7 that she has mapped between what would be the closest
8 standard location and the proposed unorthodox
9 location. What will that mean to you as a reservoir
10 in terms of ultimate recovery from the well at that
11 location?

12 A. We are attributing reserves to the Seven
13 Rivers for this well in the amount of 450 million
14 cubic feet, .45 BCF. That's based on approximately 20
15 feet of pay at this location. If we lose five feet of
16 pay, that's 25 percent of our reserves in the Seven
17 Rivers. It takes an economical project to a marginal
18 or uneconomical project very quickly if we move
19 further south from this location. Ideally, we would
20 like to drill a twin to the EMSU 353, but we do
21 observe some setback rules from the lease line.

22 Q. Do you concur in her conclusions that, as a
23 reservoir engineer, that approval of this application
24 is one that will afford the best opportunity to
25 prevent waste?

1 A. Yes, sir, I do.

2 Q. And will it also protect correlative
3 rights?

4 A. Yes, it will.

5 Q. It will afford the opportunity for the
6 owners of this spacing unit to recover hydrocarbons
7 from the pool that they might not otherwise recover?

8 A. That is correct.

9 Q. And if you are successful in your effort,
10 do the offsetting interest owners and operators have a
11 like opportunity to produce hydrocarbons from the
12 upper Seven Rivers in a similar location?

13 A. Undoubtedly. Lewis Burleson has a well,
14 the Marshall Number 1, located north of our lease that
15 shows attractive pay development in the same location
16 in the Seven Rivers. The John Hendrix well, the
17 Berryman Number 1, does not have a log, but it most
18 likely has the same type of development.

19 Q. Let me direct your attention to Exhibit 5.
20 Would you identify that for us, please?

21 A. Exhibit 5 is a location plat showing the
22 location of the proposed Lockhart B Number 11 and the
23 proration unit.

24 Q. Do you have any opinion or knowledge
25 concerning the status of the approval of this location

1 insofar as it complies with surface obligations?

2 A. We have surveyed the location and staked
3 the location. We've had to move it twice for flow
4 lines. The present location is acceptable, as far as
5 service for corrections go. We also have cleared an
6 archeological survey at this location. We are
7 awaiting our final approval from the Bureau of Land
8 Management.

9 Q. Direct your attention to Exhibit Number 6.
10 Would you identify and describe Exhibit 6?

11 A. Exhibit 6 is just a sundry notice of
12 remedial work that we have completed in the Conoco
13 State D Number 16. It outlines the perforated
14 interval, the stimulation treatment, and the resulting
15 production obtained from the upper Seven Rivers. And
16 that well is currently flowing over a million cubic
17 feet per day.

18 MR. KELLAHIN: That concludes my
19 examination of Mr. McClelland. We move the
20 introduction of Exhibits 5 and 6. In addition,
21 Exhibit 7 is our Certificate of Notice to the
22 offsetting operators, and we would move its
23 introduction at this time.

24 EXAMINER CATANACH: I'm sorry, Mr.
25 Kellahin, 5, 6, and 7?

1 MR. KELLAHIN: Yes, sir.

2 EXAMINER CATANACH: Exhibits 5 through 7
3 will be admitted as evidence. I don't have any
4 questions. This witness may be excused.

5 MR. KELLAHIN: That concludes our
6 presentation.

7 EXAMINER CATANACH: There being nothing
8 further, Case 10678 will be taken under advisement.

9 (The foregoing hearing was
10 adjourned at the approximate hour of 11:35 a.m.)
11
12
13
14
15

16 I do hereby certify that the foregoing is
17 a complete record of the proceedings in
18 the Examiner hearing of Case No. 10678,
19 heard by me on March 4, 1983.

20 David R. Catanch, Examiner
21 Oil Conservation Division
22
23
24
25

1 STATE OF NEW MEXICO)


2 :

3 COUNTY OF SANTA FE)

4 I, FREDA DONICA, RPR, a Certified Court
5 Reporter, DO HEREBY CERTIFY that I stenographically
6 reported these proceedings before the Oil Conservation
7 Division; and that the foregoing is a true, complete
8 and accurate transcript of the proceedings of said
9 hearing as appears from my stenographic notes so taken
10 and transcribed under my personal supervision.

11 I FURTHER CERTIFY that I am not related to nor
12 employed by any of the parties hereto, and have no
13 interest in the outcome hereof.

14 DATED at Santa Fe, New Mexico, this 26th
15 day of March, 1993.

16 
17 Freda Donica
18 Certified Court Reporter
19 CCR No. 45
20
21
22
23
24
25