

CASE 5629: (Reopened)

In the matter of Case 5629 being reopened pursuant to the provisions of Order No. R-5192, which order established temporary special pool rules for the Chacon-Dakota Oil Pool, Rio Arriba and Sandoval Counties, New Mexico. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units.

CASE 5889: (Continued & Readvertised)

Application of Saturn Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down to and including the Abo formation underlying the NE/4 SE/4 of Section 11, Township 23 South, Range 37 East, Lea County, New Mexico, to be dedicated to its Lineberry Well No. 1 located in Unit I of said Section; and underlying the NW/4 SE/4 of said Section 11 to be dedicated to its Lineberry Well No. 2 located in Unit J of said Section. In the event re-entry into either well is unsuccessful, applicant proposes to drill a replacement well at a standard location on its tracts. Also to be considered will be the costs of recompletion or drilling and completing said wells and the allocation of the costs thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the wells and a charge for risk involved in recompletion or drilling of said wells.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 20, 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Odessa Natural Gas Co.
for special pool rules, Rio Arriba
County, New Mexico.

CASE
5911

Case 5629 being reopened pursuant to
the provisions of Order No. R-5192,
which order established temporary
special pool rules for the Chacon-
Dakota Oil Pool, Rio Arriba County,
New Mexico.

CASE
5629
(Reopened)

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil
Conservation Commission:

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	<u>Offered</u>	<u>Admitted</u>
12 Applicant's Exhibit One, Map	5	14
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1 MR. STAMETS: I believe without objection the
2 Commission will call these next two Cases, 5911 and 5629 and
3 consolidate those for purposes of testimony. Is there any
4 objection to that? We will call both of those cases then.

5 MS. TESCHENDORF: Case 5911, application of Odessa
6 Natural Gas Company for special pool rules, Rio Arriba
7 County, New Mexico.

8 Case 5629 in the matter of Case 5629 being reopened
9 pursuant to the provisions of Order No. R-5192, which order
10 established temporary special pool rules for the Chacon-Dakota
11 Oil Pool, Rio Arriba and Sandoval Counties, New Mexico.

12 MR. STAMETS: Call for appearances in these cases.

13 MR. LOPEZ: If the Examiner please, my name is Owen
14 Lopez with the law firm of Montgomery, Andrews and Hannahs
15 appearing on behalf of the applicant in Case Number 5911,
16 Odessa Natural Gas Company, and also on behalf of that same
17 company as an interested party in Case 5629.

18 Also, Mr. Examiner, we will propose to introduce two
19 exhibits with respect to our application in Case 5911. We would
20 also like them to be considered as exhibits in Case 5629 if
21 there is no objection.

22 MR. STAMETS: These should be marked with both
23 case numbers.

24 MR. LOPEZ: Right, we will so do.

25 MR. STAMETS: Are there any other appearances in

1 these two cases?

2 MR. MILLER: Gilbert Miller, Amerada Hess, we wish to
3 make a statement.

4 MR. STAMETS: Any other appearances?

5 MR. THOMAS: Dave Thomas, independent producer, I
6 would like to make a statement.

7 MR. STAMETS: Mr. Lopez, you may proceed.

8 MR. LOPEZ: Thank you, Mr. Examiner.

9
10 EWELL N. WALSH

11 called as a witness, having been first duly sworn, was examined
12 and testified as follows:

13
14 DIRECT EXAMINATION

15 BY MR. LOPEZ:

16 Q Would you please state your name, residence, by
17 whom you are employed and in what capacity?

18 A My name is Ewell N. Walsh, my residence is 925 East
19 Navajo, Farmington, New Mexico and I'm President of Walsh
20 Engineering and Production Corporation in Farmington, New Mexico.

21 Q Are you familiar with the application of Odessa
22 Natural Gas Company in Case 5911 and the Order to show cause
23 of hearing in Case 5629?

24 A Yes, I am.

25 MR. LOPEZ: Are the witness' qualifications acceptable?

1 MR. STAMETS: They are.

2 Q (Mr. Lopez continuing.) Mr. Walsh, would you please
3 describe what Odessa Natural seeks with this application in
4 Case 5911?

5 MR. STAMETS: I don't believe the witness has been
6 sworn in this case.

7 MR. LOPEZ: No, I don't believe he has.

8 (THEREUPON, the witness was duly sworn.)

9 MR. STAMETS: Are the answers to Mr. Lopez' questions
10 to this point the same answers that you gave the first time?

11 THE WITNESS: Yes, they are.

12 A In Case 5911 Odessa Natural Gas Company requests
13 special pool rules in the area that is now currently called
14 Chacon-Dakota Oil Pool. These pool rules are to provide
15 for a hundred and sixty acre spacing or proration unit in what
16 we have determined to be an oil portion of the pool and re-
17 classification of wells in what we call the gas portion of the
18 pool from oil to gas and removal of such gas wells from the
19 oil pool into the Basin-Dakota Gas Pool.

20 Q (Mr. Lopez continuing.) Now, if you will refer to
21 Exhibit Number One, does this help support the application and
22 will you please describe the exhibit and what it shows?

23 A This exhibit basically is for the Township 23 North,
24 Range 3 West and certain portions around that township. On
25 the map are indicated the wells that have been currently

1 completed in the reservoir and the wells that are proposed to
2 be drilled by the operators. The wells that are completed
3 are the solid dots. The proposed locations are your circles,
4 for the various operators.

5 Your lines going across the map is what we call a
6 structure map. This structure is as determined on what is
7 called the top of the Graneros formation or the base of the
8 Greenhorn as it appears on the logs that were run in the well
9 at that depth in relation to sea level, therefore, you have
10 varying figures there from plus three fifty down to zero or
11 sea level.

12 Also on this map you will notice that with each
13 well in the most cases, you have at least two and sometimes
14 three figures. The top figure is the February GOR for the
15 well. The second figure is the API gravity at sixty degrees
16 of the oil or condensate produced. The third figure is the
17 pour point of the oil in terms of the degrees Fahrenheit.

18 Now, on the left-hand portion there you notice that
19 there are no numeral values. All of these wells had a pour
20 point less than zero. The numeral value that is on the other
21 side on the three wells indicate pour points of twenty degrees
22 Fahrenheit and forty degrees Fahrenheit.

23 The two wells, the Amerada I-3 located in the
24 southeast quarter of Section 15, I believe, 14, does not have
25 this value nor the Mobil well in the southwest quarter of

1 Section 13 due to oil samples were not taken on these wells.
2 The gravities are from, based on the run tickets determination,
3 at API degrees of sixty degrees.

4 Through this grouping of wells you have a line going
5 from the northwest down to the southeast. This is what we
6 have determined and are estimating the position of a fault.
7 As you see the structure lines tend to vary coming into that
8 fault area.

9 This map has all of the current wells in the area.
10 At the call of the original hearing we only had three wells to
11 work with a year ago. The one is the Thomas D No. 1, an
12 Odessa D No. 1 and the Odessa D No. 2. Those were the three
13 wells that were completed at that time. Right now, including
14 Chace wells that have been completed, there are sixteen wells
15 completed.

16 We have presented this information concerning the
17 GOR's and the oil like this to indicate that we believe that we
18 have two separate pools at the present time. Further evidence
19 of this would be on the March production in which the wells to
20 your left-hand side of the fault, their GOR's have even
21 increased somemore. The wells, the GOR's on what we call oil
22 wells, are on the right-hand side and are relatively the same,
23 there is not much change.

24 In addition to the oil analysis, the examination of
25 the gas analysis performed by El Paso Natural Gas Company who

1 is a purchaser of the gas, there is a difference in the
2 natural gas content, especially in the methane.

3 On the oil side, all of the wells are pumping. There
4 is one well that is capable of selling gas into a pipeline and
5 that's Odessa's D No. 3 which is located in the northwest
6 quarter of Section 23 of 23 North, 3 West. All of the other
7 wells to the right of the fault are pumping and produce
8 very nominal amounts of gas, in fact, the Mobil well is almost
9 nil. They hardly have enough to run the pumping unit. The
10 Amerada well is practically nil, they don't have too much gas
11 there either.

12 I would like now to go to Exhibit Number Two.

13 Q Before we go to Exhibit Number Two let's describe
14 for the record the specific lands which you propose to have
15 redesignated in the Basin-Dakota Gas Pool and withdrawn from
16 the Chacon-Dakota Oil Pool and which lands you propose to leave
17 on the designation as the Chacon-Dakota Pool.

18 A For redesignation into the Basin Dakota Gas Pool I
19 would recommend that all of Section 9, all of Section 15, all
20 of Section 16, the east half of Section 21 and all of Section
21 22. These, either full sections or three hundred and twenty
22 acres, all have what we call a gas well producing in either
23 half of the section or the half.

24 Q Now, with respect to the lands that will remain
25 within the Chacon-Dakota Oil Pool, will you describe those?

1 A. The land that will remain in the Chacon-Dakota Oil
2 Pool, this would be all of the west half and the southeast
3 quarter of Section 14 and the southwest quarter of Section 13
4 and the north half of Section 23.

5 Q Now, referring to Exhibit Two would you describe
6 it?

7 A. Exhibit Two, if I may, is a cross section prepared
8 from the logs run on the Odessa Natural D No. 2 and this well
9 is located in the southeast quarter of Section 16. The
10 Odessa D No. 1 located in the southeast quarter of Section 15;
11 the Odessa D No. 3 located in the northwest quarter of Section
12 23. These are designated from left to right across this
13 exhibit.

14 The producing intervals for this area we call the
15 Dakota "A" and the Dakota "B" intervals. These are indicated
16 on the logs as "A" or "B" and also the "A" in connection
17 between wells there is cross hatched in red, the "B" in green.
18 The other intervals that are indicated on these logs, the
19 "D" and the "DC", the Dakota "D" in the Odessa D No. 1 was
20 perforated, it was acidized and swabbed back but was determined
21 to be nonproductive. It was almost like a barren reservoir.

22 The Burro Canyon member of the Dakota is considered
23 to be water bearing, therefore, our main producing horizons
24 are the Dakota "A" and "B".

25 Throughout this area basically your Greenhorn section

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1 which is in the Odessa D No. 2 is from seventy-two fifty to
2 seventy-three ten. It will be of approximately sixty to
3 sixty-five feet interval. That is pretty well through in this
4 one, in the Odessa D 2 and the Odessa D 3. However, in the
5 Odessa D 1, the middle log of these three, we are missing about
6 twenty feet. This was kind of confusing at the time but at
7 the time the well was drilled and we had essentially only
8 three wells in the pool area. The completion method for these
9 wells is to frac the "B" zone by itself with approximately
10 forty thousand gallons and forty thousand pounds and the "A"
11 zone with approximately eighty thousand gallons and eighty
12 thousand pounds.

13 After the development of the area and we started
14 seeing our GOR's increase on the left-hand side of that fault
15 and our GOR's remaining relatively the same on the right-hand
16 side especially where structurally-wise you can be at the same
17 level, we were having a well structurally the same level on
18 the oil side producing oil and pumping and a very low gas-oil
19 ratio over on what we call the gas side we had a high GOR
20 flowing.

21 With geological work it was determined we had to
22 have a barrier and we had to have a fault in the Odessa D No. 1
23 as evidenced by this cross section in Exhibit Number Two and
24 this was given as a barrier between what we call the oil side
25 and the gas side. The throw of the fault is sufficient to

1 give, evidently, as far as we can tell, a complete barrier.

2 Q In the event your application is granted to re-
3 designate the wells on the west side of the fault as gas wells
4 and to be placed in a gas pool, is it your opinion that the
5 Basin-Dakota gas rules should apply to these wells and if so,
6 should there be any exceptions to the rules as they now stand?

7 A The Basin-Dakota Gas Pool Rules should apply with
8 possibly the one exception which is due to the under-developed
9 area we have here, we have not even outlined what is considered
10 as productive area yet, essentially there has not been a dry
11 hole drilled, would be to, instead of the rule where you
12 can drill within a hundred and thirty feet of a quarter-quarter
13 line within a section, that that should be changed to three
14 hundred and thirty in the event that a well is drilled and
15 comes up maybe like an oil well it still could be an orthodox
16 location.

17 Q Do you feel that another exception should be granted
18 with respect to grandfathering in the present locations of
19 these gas well if they are not drilled with standard locations?

20 A Yes, for those wells which are currently drilled
21 or locations prepared and approved that are not located as
22 orthodox wells and under the Basin-Dakota gas rules that they
23 should be automatically approved by the rules and regulations
24 for this area.

25 Q Now, referring to Case 5629, the order to show cause

1 case, what is your opinion as to the spacing that should be
2 applied to the oil field or to the area east of the fault line?

3 A In my opinion, the area, the proration unit should be
4 assigned a well in what we call the oil portion. It should be
5 a hundred and sixty acres.

6 Q What is your reason for reaching that conclusion?

7 A Basically right now my main reason is on economics.
8 These wells cost approximately, an average, two hundred and
9 eighty thousand dollars to drill and complete and be put on
10 production.

11 A volumetric reservoir reserve calculation for the oil
12 side, I calculated approximately eighty-eight thousand barrels
13 of oil under a hundred and sixty acre tract, applying a current
14 value of, excuse me, all of these leases down there have sixteen
15 and two-thirds royalty with the Indian tribe involved and
16 applying the net oil to the working interest would be some
17 seventy-four thousand barrels. Using the current value of
18 ten dollars and sixty-nine cents a barrel, this oil would have
19 a value of seven hundred and eighty-seven thousand dollars.
20 After making allowance for production taxes and operating
21 costs which come to approximately a hundred and seventy-five
22 thousand dollars you have a net income of working interest of
23 six hundred and twelve thousand dollars. This is if you got
24 every drop of oil of that eighty-eight thousand barrels.

25 Well for that much, if you are going to earn that

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1 much income and you are going to take two hundred and eighty
2 thousand dollars, essentially you are getting a two point two
3 return, rate of return on your money, but even applying a
4 further factor of bringing that to a present discounted
5 income which is some three hundred and thirty-seven thousand
6 dollars you only have a rate of return of one point two. In
7 addition to that at this present time with the newness of the
8 field and the knowledge we have I believe the well should drain
9 a hundred and sixty acres. This formation is tight as we know
10 Dakota formations. However, through visual observations of
11 cores that have been obtained in these producing intervals
12 there is a natural fracturing, therefore, this has given us our
13 pipeline to produce through and with this knowledge I would say
14 that I believe a hundred and sixty acre proration unit is a
15 satisfactory proration unit for the oil wells.

16 Q Do you have an opinion as to what the yardstick
17 measure is with respect to the minimal economic return a
18 reasonably prudent operator would have to expect before he
19 drilled such a well?

20 A The minimum for this type of a well would be
21 approximately four to one.

22 Q Do you believe it is economically feasible to develop
23 this pool on forty acre spacing?

24 A No.

25 Q Do you believe it is economically feasible to develop

1 a pool on eighty acre spacing?

2 A No, I do not.

3 Q Are there other oil pools in the vicinity presently
4 on one hundred and sixty proration spacing?

5 A Yes, the Lindrith-Gallup-Dakota West Oil Pool is a
6 hundred and sixty acre proration unit. The Lindrith-Gallup-
7 Dakota South Oil Pool also has a hundred and sixty acre proration
8 unit and these two pools lie within eight to ten miles of that
9 area.

10 Q Were Exhibits One and Two prepared by you or under
11 your supervision?

12 A They were.

13 MR. LOPEZ: I would like to introduce Exhibits One
14 and Two.

15 MR. STAMETS: These Exhibits will be admitted.

16 (THEREUPON, applicant's Exhibits One and
17 Two were admitted into evidence.)

18 Q (Mr. Lopez continuing.) Mr. Walsh, if our application
19 is granted and the order to show cause is denied, in your
20 opinion would this prevent waste and protect correlative rights?

21 A Yes, sir.

22 MR. LOPEZ: I have nothing further of this witness.

23 CROSS EXAMINATION

24 BY MR. STAMETS:

25 Q Mr. Walsh, in looking at your Exhibit Number One it

1 would appear that all of the development up to this time would
2 fit into a hundred and sixty acre spacing pattern pretty well,
3 it doesn't look like there are any wells, any situations where
4 we would have two wells completed on a hundred and sixty, is
5 that correct?

6 A No, there are no two wells on a one sixty. However,
7 the development on what we call the gas side, we believe that
8 three hundred and twenty acres at the present time is the
9 proper spacing or whatever you want to call it to be developed
10 on there.

11 Q In talking about the gas side, you know our statewide
12 rules define a gas well in an oil pool of having a GOR of one
13 hundred thousand to one?

14 A Yes, sir.

15 Q And on your gas side here I see a range of four
16 thousand seven hundred and thirty to like thirty-one thousand
17 four hundred. I also see some interesting variations. In
18 Sections 21 and 22 you have a couple of relatively low gas-oil
19 ratio wells and you move up north of that and you run across
20 four higher gas-oil ratio wells, including the highest. If you
21 continue further north then you drop back down. Here's one
22 with a GOR of seventy-seven hundred and then on back up to
23 thirteen thousand and then further north yet to twenty-five
24 thousand. There doesn't seem to be any uniformity in these
25 gas-oil ratios on the gas side.

1 A The reason for the nonuniformity is due virtually to
2 the time of production. Many of these wells have only been
3 on production three months. The wells you are seeing with the
4 higher gas-oil ratios, essentially the Odessa D 1 and D-2. They
5 have been on production for a year. The other wells, as I
6 said, varied in time. I can give you figures if you desire
7 on a relative to time basis that will indicate that on the gas
8 side your GOR's increase fairly rapidly up to where the higher
9 ones are indicated. Now, it is only a matter of time here
10 that the GOR's are not as high.

11 Q For instance how about the Odessa Natural D 5, how
12 long has that been on production?

13 A It has been on three months and the GOR for March
14 which we just got the information yesterday, we couldn't put
15 on the map, with eighty-four hundred.

16 Q That's a significant increase?

17 A It is.

18 Q Do they appear to increase to this twenty to thirty
19 thousand level and stabilize at that point or do those decrease?

20 A In one case, the Odessa D 2, in February went from
21 thirty-one thousand four hundred and now it's forty-one
22 thousand eighty-eight in March. There seems to be a general
23 increase but somewhat -- once they reach the thirty thousand
24 figure the increase is not as rapid as before.

25 The increase in GOR is due to your oil production

1 declining and the gas production is relatively level. It will
2 decline some, yes, from the first flush period but it is mainly
3 due to declining oil production.

4 Q Do you have any figures available there on the
5 current rate of oil production on these wells?

6 A Yes, sir.

7 Q Could you read those off to me so I could mark them
8 on this Exhibit Number One here?

9 A I'll take Odessa's wells first. Odessa D No. 1 located
10 in the southeast of Section 16 for March was four hundred and
11 one barrels and thirteen million, seven hundred and sixty gas.
12 Odessa D No. 2 located in the southeast of 15 in March was
13 three hundred and fifty-five barrels of oil, gas was fourteen
14 million eight hundred and sixty-six. Odessa D No. 3 located
15 in the northwest of Section 23, this is a pumping well, the
16 oil production was sixteen hundred and twenty-eight barrels,
17 gas production was two thousand eight hundred and seventy-seven
18 MCF or two million eight hundred and seventy-seven, either
19 way. Odessa's E No. 4 which is located in the northwest quarter
20 of Section 22, March production three hundred and sixty-two
21 barrels of oil, gas twelve million and seventeen, twelve
22 thousand and seventeen MCF. Odessa's D No. 5 which is located
23 in the southwest quarter of Section 22, the oil production
24 was fifteen hundred and three barrels in March and the gas was
25 twelve million, seven hundred and forty. Odessa's D No. 6

1 which is located in the southwest quarter of Section 21, the
2 oil production eight hundred and fifty, gas production sixteen
3 million six hundred and thirty-one. Odessa's D No. 8 located
4 in the northwest quarter of Section 9, oil production of
5 twelve hundred and forty barrels, gas production thirty million
6 four hundred and seventy-five.

7 Q Now, has that well just been on a short period of
8 time?

9 A March would be its third month.

10 Q That is a similar situation to what you have on the
11 D 5?

12 A Yes.

13 Q Except it has apparently much better producing
14 characteristics?

15 A It does especially in relation to gas.

16 Q Okay.

17 A For the Dave M. Thomas, Junior wells, his D 1
18 located in the northeast of Section 23, March was four hundred
19 and seventy-seven barrels and your gas with that one would be
20 approximately two hundred and fifty MCF, only that is a pumping
21 oil well and no gas connection. The Thomas D No. 2 located
22 in the northwest of Section 14, this is also a pumping oil
23 well, very little gas, the oil production is eleven hundred
24 and five barrels, therefore, it would have gas production by
25 GOR around seven hundred thousand for the month, seven hundred

1 MCF. Dave Thomas's D No. 3, located in the northwest of
2 Section 14, March production sixteen hundred and twenty-eight
3 barrels of oil, gas seventeen million two hundred and ninety-
4 seven. Thomas D No. 4 located in the southeast of Section 9,
5 oil production thirteen hundred and thirty-five barrels, gas
6 sixteen million three hundred and seventy-two. Dave Thomas D
7 No. 5 located in the northwest quarter of Section 16, oil
8 production of fifteen hundred and three barrels, gas production
9 sixteen million two hundred and eighty-six.

10 Q You don't have the production for the Amerada and
11 Mobil?

12 A No, I do not have currently.

13 Q Those would be reflected in the Commission's records?

14 A They would. The two Chace wells, the 115 in the
15 northeast quarter of Section 20 was just recently completed.
16 It is currently being cleaned up for test and it hasn't cleaned
17 up sufficiently to attempt any measure of gas on it right at
18 this time. The Chace 542 located in the northwest quarter of
19 Section 34 was also just recently completed and my information
20 this morning from the first day of the test where the well
21 was making some forty-six barrels of oil and possibly five
22 hundred MCF of gas per day which would give it a GOR of about
23 ten thousand to one.

24 Q Now, in some pools we have rules which permit
25 reclassification of oil wells to gas wells based on achievement

1 of a particular gas-oil ratio level. If a well came in on a
2 pool at a GOR of five thousand then it would be classified as
3 an oil well and once it achieved twenty thousand, twenty-five
4 thousand, thirty thousand, it would be reclassified a gas well.
5 Is that type of reclassification applicable to this pool, would
6 that be a good rule or would there be problems with that?

7 A I don't believe there would be problems, in fact I
8 believe if this was adopted as part of the rules and regulations
9 for this area, say for the oil pool side, that any well after
10 they attained twenty-five thousand to one should be reclassified
11 into the Basin-Dakota gas pool.

12 Q Would that be a good rule for both sides of this
13 thing?

14 A Yes.

15 Q That would assure that if this fault wandered around
16 a little bit we wouldn't just arbitrarily put a well on the
17 gas side although it turned out to be an oil well?

18 A Well, we hope that wouldn't happen but the rule could
19 apply to both sides.

20 Q So at this point if I can summarize what you have
21 testified to, if the applicant, Odessa in this case, were
22 granted a hundred and sixty acre oil well spacing and if the
23 pool rules were changed to provide that any well that was
24 produced with a gas-oil ratio -- which has a gas-oil ratio on
25 test of twenty-five thousand to one or greater would be

1 reclassified as a gas well and would automatically go into the
2 Basin-Dakota gas pool that this would be a satisfactory order
3 for the applicant?

4 A Yes, it would.

5 Q Now, we haven't had any testimony here today indica-
6 ting the ability of a well to actually drain a hundred and
7 sixty acres, we haven't had any pressure data, any inference
8 tests or this sort of thing.

9 A No, as I previously stated, this is a relatively new
10 field and like we have only had wells on production for two
11 or three months. With that, a temporary one year for the
12 hundred and sixty acre proration unit for oil and the three
13 hundred and twenty -- or the Basin-Dakota gas wells for the
14 gas side would be satisfactory.

15 MR. STAMETS: Any other questions of the witness?

16 MR. KENDRICK: Yes, sir.

17

18 CROSS EXAMINATION

19 BY MR. KENDRICK:

20 Q Mr. Walsh, do you have any idea where in or what
21 side of the fault line the three wells to the south edge of
22 the Exhibit One should be placed, the Bonanza Well, the Chace
23 Well and the Northwest Exploration Well?

24 A I don't believe you can place them on either one side
25 or the other. As we have indicated there we have only carried

1 that fault for a very short distance. The fault is only in
2 evidence in the Odessa D No. 1. We have not seen the evidence
3 in any of the other wells. It must be a very high angle fault
4 so we are not trying to extend it out of reason.

5 Q Okay. Do you have any reason to believe that the
6 wells you refer to in the gas area on the west side of the
7 fault are separated from the Basin-Dakota wells or the Basin-
8 Dakota gas pool further to the west?

9 A Reason to believe that they are separated?

10 Q Right.

11 A Yes, I do by virtue of additional drilling that has
12 been performed between the two pools which in most cases are
13 nonproductive.

14 MR. KENDRICK: I believe that's all of the questions.

15 MR. STAMETS: Any other questions of the witness?

16 He may be excused.

17 (THEREUPON, the witness was excused.)

18 MR. STAMETS: Is there anything further in this case?

19 MR. MILLER: Gilbert Miller with Amerada Hess.

20 Amerada Hess would like to support the request of
21 Odessa Natural Gas for special field rules specifying one
22 hundred and sixty acre spacing for the Chacon-Dakota Oil Pool
23 and we believe that the recommended oil spacing will encourage
24 earlier delineation of the pool and will prevent waste and
25 provide for the protection of correlative rights.

1 MR. STAMETS: Mr. Thomas?

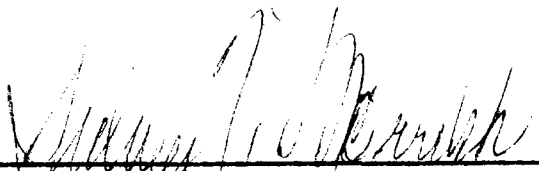
2 MR. THOMAS: Yes, sir. Mr. Walsh has indicated
3 that I operate five wells and we have made an expensive
4 independent study from Odessa and we have essentially the
5 same picture and I would also like to recommend that Odessa's
6 request be granted and that we have a hundred and sixty acre
7 spacing on the oil side and the three twenty or as you have
8 set forth the twenty-five thousand to one would certainly fit
9 our situation on the gas side.

10 MR. STAMETS: Anything further in this case? We
11 will take the case under advisement.

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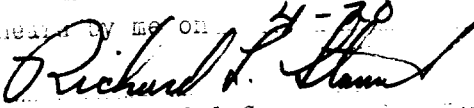
REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand Reporter,
do hereby certify that the foregoing and attached Transcript
of Hearing before the New Mexico Oil Conservation Commission
was reported by me, and the same is a true and correct record
of the said proceedings to the best of my knowledge, skill and
ability.



Sidney F. Morrish, C.S.R.

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General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

I hereby certify that the foregoing
is a true and correct record of the proceedings
of the hearing of Case No. 591125629
held by me on 4-20 19 77

New Mexico Oil Conservation Commission