

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO

25 September 1985

EXAMINER HEARING

IN THE MATTER OF:

Application of Dugan Production Cor- CASE
poration for pool extension and an 8713
unorthodox gas well location, Rio
Arriba County, New Mexico.

BEFORE: Michael E. Stogner, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Division: Jeff Taylor
Attorney at Law
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

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MR. STOGNER: Call Case Number
8713.

MR. TAYLOR: The application of
Dugan Production Corporation for a pool extension and an
unorthodox oil well location, Rio Arriba County, New Mexico.

MR. STOGNER: At the examiner
-- I'm sorry, *at* the applicant's request Case Number 8713
will be continued and there was a readvertisement on this
also, and will be readvertised and continued for the
Examiner Hearing scheduled for October 9th, 1985.

(Hearing concluded.)

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 8713 heard by me on 25 September 1985.
Michael D. Hogue, Examiner
Oil Conservation Division

1 STATE OF NEW MEXICO
2 ENERGY AND MINERALS DEPARTMENT
3 OIL CONSERVATION DIVISION
4 STATE LAND OFFICE BLDG.
5 SANTA FE, NEW MEXICO

6 9 October 1985

7 EXAMINER HEARING

8 IN THE MATTER OF:

9 Application of Dugan Production Corporation for pool extension and an unorthodox oil well location, Rio Arriba County, New Mexico. CASE 8713

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13 BEFORE: Gilbert P. Quintana, Examiner

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16 TRANSCRIPT OF HEARING

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18 A P P E A R A N C E S

19 For the Division: Jeff Taylor
20 Attorney at Law
21 Legal Counsel to the Division
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22 For Dugan Production: William F. Carr
23 Attorney at Law
24 CAMPBELL & BLACK P. A.
P. O. Box 2208
Santa Fe, New Mexico 87501

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A P P E A R A N C E S

For Jerome P. McHugh: W. Thomas Kellahin
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I N D E X

JOHN ROE

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MR. QUINTANA: We are up to Case 8713.

MR. TAYLOR: The application of Dugan Production Corporation for pool extension and an unorthodox oil well location, Rio Arriba County, New Mexico.

MR. CARR: May it please the Examiner, my name is William F. Carr with the law firm Campbell and Black, P. A., of Santa Fe, representing Dugan Production Corporation.

We have one witness who needs to be sworn.

MR. QUINTANA: Are there other appearances in Case 8713?

If not, we'll proceed.

MR. KELLAHIN: If the Examiner please, I'm Tom Kellahin of Kellahin and Kellahin, Santa Fe, New Mexico, appearing on behalf of Jerome P. McHugh.

MR. BUETTNER: I'm Robert Buettner, B-U-E-T-T-N-E-R, of Koch Exploration Company.

MR. MALLON: George Mallon, M-A-L-L-O-N, Mallon Oil Company.

MR. QUINTANA: Any more?

MR. PADILLA: Mr. Examiner.

MR. QUINTANA: One more, okay.

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MR. PADILLA: I'd like to enter an appearance for Benson-Montin-Greer.

MR. QUINTANA: Okay. Any other witnesses to be sworn in?

If not, will all witnesses please stand at this time and be sworn in?

(Witness sworn.)

JOHN ROE,
being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. CARR:

Q Will you state your full name and place of residence?

A I'm John Roe and I live in Farmington, New Mexico.

Q Mr. Roe, by whom are you employed and in what capacity?

A I'm employed by Dugan Production Corporation as their Engineering Manager.

Q Have you previously testified before this Commission or one of its examiners and had your credentials

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accepted and made a matter of record?

A Yes, I have.

Q Are you familiar with the application filed in this case on behalf of Dugan Production Corporation?

A Yes, I am.

Q And are you familiar with the subject area?

A Yes.

MR. CARR: We tender Mr. Roe as an expert witness in petroleum engineering.

MR. QUINTANA: He is considered an expert witness in petroleum engineering.

Q Mr. Roe, will you briefly state what Dugan Production Corporation seeks with this application?

A Okay. In our application we are asking that the existing pool boundary for the Gavilan Mancos Oil Pool be extended to the north to include ten sections of acreage, four of which would be in 26 North, 2 West, and six of which would be in 25 North, 2 West.

It would be a contiguous northern extension of the boundary of the Gavilan Mancos Oil Pool.

Q Have you prepared certain exhibits for introduction in this case?

A Yes, I have.

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2 Q Would you refer to what's been marked as
3 Dugan Exhibit Number One, identify this, and review it for
4 the examiner?

5 A Okay. Exhibit Number One is a structure
6 map prepared using the Niobrara A Zone with the top of that
7 zone as a marker.

8 We've drawn this structure map as if
9 we're depicting a depositional environment that shows to
10 have this structural relief. I want to make a comment that
11 it is not our opinion that this is the way the formation was
12 deposited. We think probably the structural relief we're
13 depicting on the map is a result of faulting; however, we
14 don't feel we have enough data to draw those faults in. We
15 have enough well data to show the structural relief that we
16 do show on this map, though.

17 In addition on the map I've identified
18 the existing pool boundary for the Gavilan Mancos Pool in
19 the green coloring and I've also identified the area that
20 would be included in the proposed extension and that's out-
21 lined in the purple.

22 I would ask you to note that the -- with-
23 in the proposed expansion area there are six well locations
24 that have been staked that should these wells be drilled in
25 a manner from south to north, the proposed extension that
we're asking for at this time would automatically occur upon

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the completion of the wells.

I've also identified on Figure Number One, or Exhibit Number One, acreage that's in the dark shading that Dugan Production has leasehold interest in. In addition in the cross hatched, I've identified acreage that we have received word from other operators that is in support of our application.

Briefly, of the ten sections that are within the pool boundary approximately 6400 acres, we have a total acreage of 73.8 percent within the pool boundary that would be in support of our application.

Of this 73.8 percent Dugan Production has 34.7 percent of that acreage.

The cross hatched or the acreage that would be immediately adjacent to our proposed pool boundary, in other words, within a one mile radius of the proposed extension, there is 18 sections that total about 11,520 acres.

We've received notice from leasehold interest within this 18-section area that they support our application, totally 59.2 percent of that leasehold interest or 1620 acres of leasehold of the adjacent acreage does support our application.

I might make special note that we have received support from the operator of the Canadao Ojitos Unit to the east.

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In addition on this map I've identified a line of cross section that I'll show in an upcoming exhibit, starting in the south at Letter A, it's Jerome P. McHugh's Native Son, located in Unit A of Section 34, 25 North, 2 West, and this goes to the north through the original discovery well, a well currently operated by Mesa Grande Resources, the Gavilan No. 1 in Unit A of Section 26, and on further to the north and it includes a well that is just being completed by Southland Royalty in Unit C of Section 24 of 25 North, 2 West.

All three of these wells are within the existing pool boundary.

Also on the cross section continuing north, we've got two wells that have recently been completed by Mallon Oil. These wells are within the proposed area that we are asking for this extension.

The first well would be Mallon's Howard Federal Well No. 1-8 in Unit H of Section 1, 25 North, 2 West, and then his Fisher Federal No. 2-1 in Unit A of Section 2, 25 North, 2 West.

And then the most northerly well would be Dugan Production's Tapacitos No. 2, located in Unit L of Section 25, 26 North, 2 West.

Q Mr. Roe, Exhibit Number One shows all wells which have penetrated the Gavilan Mancos Oil Pool, is

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that correct?

A That is correct, as of this hearing date.

Q You indicated in your testimony that if the locations which are indicated in the extension area were drilled that the area would automatically be extended. Now why do you recommend that the Commission extend the pool in to this whole area at this time?

A The area would automatically be extended only if the more southerly well was drilled first. We feel that there's a real likelihood that Dugan Production will probably drill some of the initial or drill some of the first -- will drill wells in 26 North, 2 West, before we actually have the pool automatically extended. This is an area where the leasehold interest is really broken up and to have an idea of what your proration unit is at the time that you propose the well is very important.

Q There's a pool indicated on this exhibit in Townships 26 and --25 and 26 North, Range 3 West. What pool is that?

A Okay, the pool that you're making reference to would be the Ojito Gallup Oil Pool.

Q Now, have you contacted Amoco Production Company concerning this application?

A Yes, we've been in contact with Amoco. We notified Amoco by letter of our application and Amoco has

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indicated that they have no -- that they do not oppose our application.

Q Did you provide notice of this application to all the interest owners you could identify within the proposed extension and also within a mile of the extension?

A Yes, we did.

Q And at this time are you aware of any opposition to the application?

A I am aware of no opposition.

Q Extension of the pool rules will, if your application is granted, the existing Gavilan Mancos pool rules will be extended and apply to the lands indicated within the extension area and also within a mile thereof, is that correct?

A Yes, that is correct.

Q At the present time, however, the two southernmost sections in the extension area are already governed by the Gavilan Mancos pool rules.

A Yes, and I -- if we exclude those sections from our application, and consider only the most northerly eight sections, we would have approximately 88 percent of the acreage within the pool boundary in support of our application.

Q Would you now go to what has been marked as Dugan Exhibit Number Two, identify that and review it for

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what we have within the Gavilan Mancos Pool, again, the three wells on the left of the cross section are within the pool. The two wells on the right of the cross section are outside the pool in the proposed extended area.

I feel there's a fairly good correlation of the primary zones of production that we feel exist within the Gavilan Mancos Pool. In addition, if the top of the -- or above the zone I've colored yellow, there's a gray-shaded area which has also been completed in two of Mallon's wells in the proposed extended area. I've colored this across the cross section because I feel that I can correlate it. I feel there's no doubt that it is better developed as we go north; however, I feel that because that zone is not chosen as the completion interval in Dugan Production's Tapacitos 2, having evaluated that well in a fairly -- fair amount of detail, I again, even in the northern extended area, we feel our primary zones contributing production are the yellow, green and the brown colored.

Q In the Tapacitos No. 2 Well the gray zone appeared. How did it appear on the -- on the logs?

A Well, in the Tapacitos No. 2 the zone we've colored gray, it has the substantial resistivity development, as you can see on the log. These logs are all induction electricals and whole logs. Even though the resistivity develops as we see, the lack of SP development

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plus an analysis of the samples that were taken or the mud log that was recorded in this well, we felt the upper zone was not the primary objective and we did not perforate it during our completion efforts of the Tapacitos No. 2.

I feel that there's one thing I need to make -- add that is a correction on the cross section. We, in making the cross section, inadvertently left off a plug that exists in Southland Royalty's (not clearly understood) Federal No. 1. This would be the third well log from the left.

There is a cast iron bridge plug at 7784 and the only reason I mention this is in Southland's well they also perforated the Greenhorn and I've placed the Greenhorn on this cross section to help in correlating the logs, should there be any question that we made a proper correlation. The Greenhorn is at least a zone that almost nobody argues with.

And so the Greenhorn perforations in Southland's well are not in communication with the Mancos perforations by virtue of the bridge plug that is set.

Q So Exhibit Two shows that the primary producing zones can be correlated from the existing pool into the extension area.

A Yes.

Q And all these zones are within the verti-

1
2 cal limits of the Gavilan Mancos Pool, as defined by the or-
3 der that created that pool.

4 A Yes. I did not mention that, but we have
5 identified the perforated intervals in the depth margin of
6 each log and in all cases the top perf is below the top of
7 the Gavilan Mancos Pool and the bottom pool is above the
8 base of the Gavilan Mancos Pool.

9 Q Would you now refer to Dugan Exhibit Num-
10 ber Three, identify that and review it for the Examiner?

11 A Okay. Exhibit Number Three is a tabula-
12 tion of well and production data for all wells that are cur-
13 rently in the Gavilan Mancos Pool boundary or located within
14 a one mile radius of the existing boundary. There is a tre-
15 mendous amount of information presented on this tabulation.
16 As you can see, it consists of three pages. The first two
17 pages presents the -- basically the operator, the well
18 names, the well location, its completion date, perforated
19 interval, initial potential that was reported to the Commis-
20 sion, and production from that well during August of 1985,
21 and the cumulative production from the Mancos formation as
22 of September 1st of 1985.

23 And where appropriate, there are either
24 additional remarks necessary, on page three I have provided
25 those remarks.

A brief summary of Table Three, or Exhi-

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bit Number Three, there are eight operators that have wells or locations within the existing pool boundary. Presented on this exhibit there's 29 wells that have been completed. Of that 29, 22 are producing. During August of 1985 production from these wells, these 22 wells averaged 2579 barrels of oil per day plus 4.2-million cubic feet of gas a day.

From these 22 wells as of September 1st, we've produced 1.01-million cubic -- million barrels of oil and 1.46-billion cubic feet of gas from this area.

In addition to the 29 wells that have been completed, there are 8 wells that are in the completion process and 8 additional locations that are planned to be drilled.

Q What basically does this show about the Gavilan Mancos Oil Pool?

Q Our purpose for showing this is with special emphasis on the daily production and the cumulative production during August and as of September 1st, it indicates that we have wells that are capable of some fairly substantial production rates.

If I might just go through one well, for instance, a well that is on the cross section, and this would be Jerome P. McHugh's Native Son No. 1, located in Unit A of Section 34, 25 North, 2 West.

This well was completed in June, on June

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7th of 1984. It was perforated from 6765 to 7443; had an IP of 198 barrels of oil per day with a 1636 GOR.

During August of 1985 production actually averaged 436 barrels of oil per day and the GOR averaged 462. The gas is being sold so this is a realistic and a good GOR. We have a good handle on the gas production.

As of September 1st this well has produced 97,384 barrels of oil and approximately 22.8-million cubic feet of gas.

Q Are the production rates that you depict on Exhibit Three indicative or consistent with production from a fracture system?

A We feel they are, both from the standpoint that what we know about the Mancos formation, it doesn't have any zones within the Mancos that have substantial productivity, and we do feel that fractures are prevalent in the area and contribute to productivity that we see in actual production figures.

Q In your opinion is this area being actively developed at this time?

A Yes, the fact that we have eight locations, eight wells in the completion process, there's a tremendous amount of activity in this area.

Q Do you have anything further to add to your testimony concerning Exhibit Three?

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A Not at this time.

Q All right, would you go to Exhibit Number Four, please?

A Okay. Exhibit Number Four is a similar tabulation as was presented on Exhibit Three; however, this is for the area that we're proposing that the pool be extended to include.

It consists of two pages, only one page necessary for the wells, the well locations, and on the second page we have any remarks that would be pertinent to specific wells.

Brief summary on this Exhibit Four is we have four operators that are involved at the current time.

There have been five wells completed and of these five, four of them actually have been placed on production and one is currently shut-in awaiting a gas pipeline connection.

We have two wells that have either been drilled or are in the process of being logged, and waiting on completion.

In other words, the other two wells, one of them is waiting on completion and even though I anticipated the second one to be waiting on completion, they're still logging and so they will be completing in the very near future.

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2 In addition, there are six indicted loca-
3 tions that operators have staked and plan to drill in the
4 very near future.

5 From this area during August of 1985
6 there was a reported production of 955 barrels of oil per
7 day, and as of September 1st, 45,222 barrels of oil have
8 been produced from the four wells that are on production.

9 Q Mr. Roe, I direct your attention to the
10 Mallon Oil Howard No. -- or Howard 1 Well No. 8, and ask you
11 if this well is drilled at a standard location?

12 A This well was drilled at a standard loca-
13 tion for Undesignated Gallup; however, it is an unorthodox
14 location for the Gavilan Mancos Oil Pool.

15 Q And as part of this application are you
16 seeking approval for the location for that well?

17 A Yes, we are. We're asking the Commission
18 to grant this well an exception to the pool rules by virtue
19 of the fact that it is currently drilled as unorthodox.

20 Q Are there any other wells in the area at
21 unorthodox locations or any other locations staked in an un-
22 orthodox position?

23 A Dugan Production has staked the Tapacitos
24 No. 4 at a location that will be unorthodox for the Gavilan
25 Mancos Oil Pool.

Q And would you request that if it can be

1
2 done, that any existing well or location be grandfathered in
3 as part of this, any order that would result from this hear-
4 ing?

5 A Yes, we would request that. This is an
6 area where topography is really tough, and that is the
7 reason the Tapacitos 4 is unorthodox, is we are as close to
8 1650 feet from the adjacent boundary between West Puerto
9 Chiquito and Gavilan as we can be; however, that location is
10 1600 feet from the line and therefore is 50 feet unorthodox.

11 Q Would you now refer to Dugan Production
12 Corporation Exhibit Number Five and review that for Mr.
13 Quintana?

14 A The Exhibit Five is a production plot on
15 which I've plotted actual production in terms of barrels of
16 oil per day for six wells, two of which are within the Gavi-
17 lan Mancos Oil Pool and four of which are within the pro-
18 posed extended area.

19 I've identified as Well #1, that is
20 Northwest Exploration originally and the current operator is
21 Mesa Grande Resources. It's the Gavilan No. 1.

22 This well commenced production in May of
23 1982 at an initial rate of 65 barrels of oil per day. As
24 you can see, the production inclined to a peak rate of ap-
25 proximately 120 barrels a day in February of 1984, and since
declined to a current rate of 61 barrels of oil a day in

1
2 August of '85.

3 Well #2, also within the Gavilan Mancos
4 Pool, is -- began production in July, 1984, at 312 barrels a
5 day. Again this production has been fairly flat or inclined
6 to a rate in August of 1985 of 436 barrels of oil per day.

7 Well #3, I've identified with the blue
8 line. This is Dugan Production's Tapacitos No. 2, which is
9 the most northerly well on our cross section which is Exhi-
bit Number Two.

10 The most obvious thing here is the pro-
11 duction's been fairly flat at approximately 45 barrels a day
12 beginning, even though the well was completed in October,
13 1980, we were not able to actually get the well to produce
14 until we installed rod pump in the well during August of
15 1984. At that point production began and has averaged ap-
proximately 45 barrels a day pretty steady.

16 Well #4 I've identified with the green
17 line. This is actual production from Mallon Oil's Ribeyo-
18 wids, I'll spell it, R-I-B-E-Y-O-W-I-D-S, and I'm sure Mr.
19 Mallon will have a reason why that name, but I am not aware
20 of that, but at any rate, this well was -- began production
21 in March of 1985 at the initial rate of 36 barrels a day and
22 as indicated in the green line, it's increased in produc-
23 tion; during August of '85 it averaged 154 barrels of oil
24 per day.
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2 Well #5 I've identified with the orange
3 lines. This well has production for only two months, July
4 and August.

5 July's production overlaps with the Nat-
6 ive Son No. 1 production rate averaging 363 barrels during
7 the ten days that it did produce in July.

8 During August the well produced 14 days
9 and averaged 339 barrels a day.

10 Well #6 I've identified with the yellow
11 coloring. This is Mallon's Howard Federal Well No. 1-8. It
12 produced five days in July averaging 371 barrels a day and
13 20 days in August, averaging 420 barrels a day.

14 Q What conclusion can you draw from this
15 exhibit?

16 A Well, the basic thing that comes to my
17 mind is that production from the wells that we have, in the
18 Gavilan one we have several years of production and the Na-
19 tive Son No. 1 we've got nearly a year of production. Pro-
20 ductivity is either fairly stable or inclining with time.

21 Q And does that tell you that they are pro-
22 bably in the same pool?

23 A Yes, the similarities in the production
24 rates between Wells Nos. 4, 5, and 6, with the Native Son
25 No. 1, which is Well No. 2, are better than the Gavilan No.
1, which is Well No. 1, suggests that they all have similar

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or possibly better productivity.

Q Are you familiar with the West Lindrith Gallup-Dakota Pool?

A Yes, I am.

Q And where is it located generally in regard to the Gavilan Mancos Oil Pool?

A West Lindrith is located to the west of the Gavilan Mancos Oil Pool.

On Exhibit Number One I have identified the eastern boundary of West Lindrith approximately two miles to the west of the western boundary of Gavilan Mancos.

Q That would be in Townships 24 and 25 North, Range 3 West?

A Yes, that is correct.

Q Have you reviewed production curves on wells in that pool?

A Yes, I have.

Q And how do they compare with the curves depicted on Dugan Exhibit Number Five?

A Typically, in West Lindrith the production rates do not hold up at initial rates for any length of time and they for sure don't improve with time. They generally start declining fairly quickly after being placed on production and decline at a fairly steep rate for the first year and a half to two years.

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Q How does that information compare with what you have seen in the Gavilan Mancos Oil Pool and what does that tell you about drainage?

A Well, it suggests to me that we're -- our productivity is more influenced by fracturing than matrix flow and because of existence of fracturing the 320-acre spacing that is in existence in Gavilan Mancos is -- is probably more appropriate than should the fracture not be there.

Q Would you identify what has been marked as Dugan Exhibit Number Six?

A Okay. Exhibit Number Six is a letter that I wrote dated August -- or September 17th, 1985. It was addressed to the people who -- it was addressed to leasehold owners within and adjacent to the proposed area of extension for the Gavilan Mancos Oil Pool.

We forwarded this letter to the leasehold interest we could identify that was either within the pool or within the one mile radius of our extension. An address list of the people we sent this letter to is attached to this letter.

Q Would you identify Dugan Exhibit Number Seven?

A Okay. Dugan Exhibit Number Seven is a letter dated October 1st, 1985. It was written by Mr. Al

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Greer on behalf of Benson-Montin-Greer Drilling Corp. It's a letter indicating that as operator of the Canada Ojitos Unit in the West Puerto Chiquito Pool Mr. Greer is in support of our application.

Q Mr. Roe, in your opinion would granting of the application of Dugan Production Corporation in this case provide better control of the development in this general area?

A Yes, it would.

Q Would it prevent the economic loss that could occur by the drilling of an excessive number of wells in the area?

A Yes.

Q Would it result in a greater ultimate recovery of hydrocarbons than might result if too many wells in fact are drilled in the area?

A Yes.

Q And in your opinion would it otherwise be in the best interest of conservation, the protection of correlative rights, and prevention of waste?

A Yes.

Q Were Exhibits One through Seven either prepared by you or compiled under your direction and supervision?

A Yes, they were.

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MR. CARR: At this time, Mr. Quintana, we would offer into evidence Dugan Exhibits One through Seven.

MR. QUINTANA: Exhibits One through Seven will be accepted as evidence.

MR. CARR: That concludes my direct examination of Mr. Roe.

CROSS EXAMINATION

BY MR. QUINTANA:

Q Mr. Roe, to your knowledge, are you aware if the Aztec District Office of the Oil Conservation Division is in agreement with your recommendations?

A We -- I, Mr. Dugan, and Al Greer, have met with Frank Chavez at least twice to discuss this application, and it's my feeling that Frank has no opposition. Frank has not actually told me that he supports this but I think we had Frank's encouragement to go ahead with the pool rule extension, or the proposed application that we have today, and it was only after meeting with Frank that we made our application.

MR. QUINTANA: I have no further questions of the witness. He may be excused.

I'd like to direct that same question to our Aztec District Office Representative.

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2 Would you state your name for
3 the record and --

4 MR. BUSH: Ernie Bush.

5 MR. QUINTANA: Mr. Bush, could
6 you tell me what your -- what the Aztec District Office is
7 feeling on this matter?

8 MR. BUSH: We have no objection
9 to the application.

10 MR. QUINTANA: Thank you.

11 Is there anything further in
12 Case 8713?

13 MR. TOM OLLE: My name is Tom
14 Olle. I'm a District Reservoir Engineer for Southland Roy-
15 alty in Farmington, New Mexico, and we have an interest in
16 wells both in the current producing area of the Gavilan Man-
17 cos Pool and within the -- have acreage within the extended
18 area that's been applied for this morning, and we just wan-
19 ted to make a statement that we do approve the -- we do re-
20 commend that this be approved and we do support Dugan's pos-
21 ition in this matter.

22 MR. QUINTANA: Fine, thank you.

23 Anyone further?

24 MR. BUETTNER: I'm Robert
25 Buettner on behalf of Koch Exploration Company.

Koch is an owner of interest

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2 both in the adjacent unit to the east of the (not clearly
3 understood) as well as owner of interest within the area
4 proposed to be spaced.

5 We would also offer our support
6 to Dugan Production.

7 MR. MALLON: My name is George
8 Mallon. We have interest only in the extension and we do
9 support Dugan in requesting that the boundary be extended to
10 the north.

11 Thank you.

12 MR. QUINTANA: If there is no-
13 thing further in Case 8713, Case 8713 will be taken under
14 advisement.

15 (Hearing concluded.)
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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division (Commission) was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 8713, heard by me on October 9 1985.

David Catavosh, Examiner
Oil Conservation Division