

CASE 4382:

NORTHWESTERN NEW MEXICO  
NOMENCLATURE

Case Number

4382

Application

Transcripts.

Small Exhibits

ETC.

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SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

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BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
July 15, 1970

EXAMINER HEARING

-----  
IN THE MATTER OF: )

)  
Application of the Oil Conservation Commission )  
upon its own motion for an order for the )  
contraction of the Aztec-Pictured Cliffs Pool )  
in San Juan County, New Mexico, by the deletion )  
of certain lands in Township 28 North, Ranges )  
8 and 9 West; Township 29 North, Ranges 8,9, and )  
10 West; and Township 30 North, Range 10 West; )  
further, for the extension of the Blanco- )  
Pictured Cliffs Pool and the South Blanco- )  
Pictured Cliffs Pool in San Juan County, New )  
Mexico, to include among other lands, the lands )  
being deleted from the aforesaid Aztec-Pictured )  
Cliffs Pool; and for the further extension of the )  
Aztec-Pictured Cliffs Pool in San Juan County, )  
New Mexico. )  
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CASE NO.

4382

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. HATCH: In the matter of the application of Oil Conservation Commission upon its own motion for an order for the contraction of the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico, by the deletion of certain lands in Township 28 North, Ranges 8 and 9 West; Township 29 North, Ranges 8, 9, and 10 West; and Township 30 North, Range 10 West; further, for the extension of the Blanco-Pictured Cliffs Pool and the South Blanco-Pictured Cliffs Pool in San Juan County, New Mexico, to include, among other lands, the lands being deleted from the aforesaid Aztec-Pictured Cliffs Pool; and for the further extension of the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico.

I am George Hatch appearing on behalf of the Commission. I have one witness to be sworn.

EMERY ARNOLD,

being duly sworn according to law, upon his oath testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you state your name and position, for the record?

A Emery Arnold, Supervisor, District Three of the Oil

Conservation Commission.

Q Mr. Arnold, as a supervisor of District Three of the Oil Conservation Commission, do you have the duty to make studies and recommendations concerning the creation, extension and contraction of oil and gas pools in Northwest New Mexico?

A Yes. I do.

Q And have you recently made a study of the Aztec-Pictured Cliffs Pool, the Blanco-Pictured Cliffs Pool and the South Blanco-Pictured Cliffs Pool in San Juan County, New Mexico to determine if the horizontal boundaries of these pools are properly defined?

A Yes. I have.

Q And you are familiar with Case 4382?

A Yes.

Q And what it proposes?

A Yes.

Q Would you give the Commissioner a little of the background of the purpose and reason for making this study and bringing this case before the Commission?

A I believe this might be a good time to enter Exhibit No. 1 and I can explain on that.

(Whereupon, Exhibits 1 through 3, were marked for identification).

Q Would you identify Exhibit No. 1?

A Exhibit No. 1 is a map of the area of the Aztec-Pictured Cliffs Pool, Blanco-Pictured Cliffs Pool and a portion of the South Blanco-Pictured Cliffs Pool. The boundary, the east boundary of the Aztec-Pictured Cliffs Pool is shown in orange. The Blanco-Pictured Cliffs Pool is in green and the South Blanco-Pictured Cliffs Pool in red.

So far as the history in this area is concerned, actually the two pools were discovered at about the same date. However, there was only one well drilled for years in the Blanco-Pictured Cliffs Pool and the Aztec-Pictured Cliffs Pool had development over a several year period and was extended from west to east in a more or less continuous fashion and due to that fact this acreage was picked up in the Aztec-Pictured Cliffs Pool.

Later development then in the Blanco-Pictured Cliffs Pool indicated the existence of a parallel sand trend. It also became evident we had taken some acreage into the Aztec-Pictured Cliffs Pool which really didn't belong there. Then very lately during the last year we had further development which we determined to be in the Blanco-Sand trend to the northwest and it became necessary to take those wells into some pool.

Q They have not been taken into any pool yet?

A No. These wells are undesignated Pictured-Cliff wells.

MR. NUTTER: You are referring to wells in Township 30 North, Range 10 West and Township 31 North, 11 West and 32 North, 11 West, is that correct?

THE WITNESS: Correct. Also there are some wells off the south end of the Blanco-Pictured Cliffs Pool in Township 29 North, Range 8 West which are undesignated and which also appear to be in the Blanco trend, so, at any rate, we had to make a decision as to which pool to place these wells in we have just been discussing.

Q (By Mr. Hatch) Isn't there also an undesignated well in 30 North, 10 West?

A Right. Actually that well has been there for some time and on Exhibit No. 2 we are disposing of it. It actually has been prorated in the Aztec-Pictured Cliffs Pool because it is within a mile of the pool boundary. However, we are extending the boundary to take that well into the pool. Then, at any rate, as I said, we determined from studying thirty-five or forty logs along with pressures which are shown on this map -- this is an original seven-day shut-in pressure -- that there are two sand -- permeable sand trends present in the area and also in an area of very low permeability separating these trends.

Based upon this I came to the conclusion that we should delete from the Aztec-Pictured Cliffs Pool the area covered in red on Exhibit No. 1 and, actually, that is all

Exhibit No. 1 is designed to show, is the acreage which we are recommending we delete from the Aztec-Pictured Cliffs Pool.

Q Is a description of that land given in any of your Exhibits?

A Yes. Exhibit No. 3 will be entered into evidence and it does describe that acreage.

You wish me to proceed?

Q Go ahead.

A No. 2 Exhibit is the same area with pool boundaries corrected the way I am proposing that it now be described. The green outline would be the proposed boundary of the Blanco-Pictured Cliffs Pool; the red outline is the boundary of the South Blanco-Pictured Cliffs Pool and the orange boundary is the outline of the east boundary of the Aztec-Pictured Cliffs Pool. These boundaries were placed, as I said, based upon the study of some thirty-five or forty electric logs which indicate that the Aztec Sand shales up as it comes east and although there is still Pictured Cliffs sand present in this area, it is very shaley, very low permeability and I am sure that there are areas in here where it would be completely unproductive. However, it is somewhat of a fuzzy boundary. It is not a completely sharp division there.

But however, based upon that study and also based

an inspection of the original shut-in pressures which show differences of two hundred pounds -- for instance, in 30 North, 10 West, southwest of Section 9, we have a well in the Blanco-Pictured Cliffs Pool with pressure of 950 pounds. In Section 17, the northeast quarter, which is a direct offset well, we have a well with a pressure of 730 pounds, which is a 220-pound pressure difference in about a half a mile.

MR. NUTTER: You figure one is in the Blanco trend and the other is in the Aztec trend?

THE WITNESS: Right. This is also substantiated by the geological information which indicates that this sand is disappearing and there is new sand appearing. This same low permeability area can pretty well be traced throughout across this area.

MR. PORTER: Mr. Arnold, are there any dry holes in this corridor between the two pools as you now have delineated them?

THE WITNESS: I don't believe that there are dry holes. However, there are very many -- as you approach this boundary of the wells, there are very small wells -- most of them are exempt marginal.

MR. NUTTER: So they have got, as they drilled to the sides of the trend, they drilled into the extremely tight sand and don't go out into the dry hole --

THE WITNESS: Right. You can actually use your pressure information, deliverability and geological information and they all corroborate each other pretty well that there is a boundary present in here.

I have drawn this boundary as close as possible to actual development in the Aztec Pool. There is actually no undeveloped acreage which we have taken in with this new boundary.

MR. PORTER: You don't anticipate any new development on the Aztec side then?

THE WITNESS: Well, I wouldn't say it is impossible. Someone may want to drill a well or two in here. However, it is not an area which you would expect very much development.

Q (By Mr. Hatch) Mr. Arnold, you explained what the orange and green and red outlines were. I don't believe you told the Examiner what the shaded area is.

A Yes. We have shaded on this map pool extensions. The extensions to the Aztec Pool are in orange. The extensions to the Blanco Pool are in green and the extension to the South Blanco Pool in red.

Q Would you point out which of those pools are prorated and which are not prorated and the spacing in each of those pools?

A All three pools are spaced on 160-acre spacing. The Aztec and the South Blanco Pools are prorated pools. The Blanco

pool is not prorated.

I'd also like to point out the reason that we extended the South Blanco Pool to include this area in 28 North, 8 West, which was deleted from the Aztec-Pictured Cliffs Pool, there is an area of non-development in the north half of this Township in 28 North, 8 West which at least for the moment does provide a division between the South Blanco-Pictured Cliffs Pool and the Blanco-Pictured Cliffs Pool.

Therefore, I believe it is more reasonable to take this acreage into the South Blanco Pool rather than extending the Blanco Pool farther south.

Q Now, I believe you said you had thirty or forty-five logs of wells, but I don't think you told the Examiner the vicinity of those wells, where those wells were located.

A The logs study was made in the area of the permeability barrier, from southwest to northeast, across the barrier, in order that we could trace what has happened to the Pictured Cliffs sand development in that area of the barrier and in a way we determined where we thought the barrier was by the use of pressure and deliverability information and, as I say, you can use any of the three to pretty well show that the permeability barrier is there.

Q You can furnish the Examiner a list of those particular wells and those logs, if he so requests?

A Yes.

Q Also your pressure -- where did you get those pressures?

A Those are the seven-day shut-in pressures which are required by the Rules. They are run on all initial completions. The wells are shut-in seven days and the pressure measured.

MR. NUTTER: These are all initial pressures on these wells?

THE WITNESS: Right. As I said, Exhibit No. 3 is a description, a legal description of the area. Paragraph A lists the area we are proposing to delete from the Aztec-Pictured Cliffs Pool.

Q (By Mr. Hatch) Will you give just the Township and Ranges there that are involved?

A Township 30 North, Range 10 West; 29 North, Range 10 West; 29 North, Range 9 West; 29 North, Range 8 West and Township 28 North, Range 8 West.

Q Is there any in 28 North, 9 West or did I miss --

A Right. There is one section 12 in 28 North, 9 West.

Q All right. Go ahead.

A Paragraph B is a description of the acreage that we propose to take into the Aztec-Pictured Cliffs Pool and it consists of a southwest quarter of Section 27, Township 30

North, Range 10 West.

MR. NUTTER: That takes in that well you said previously had been prorated as part of the Aztec-Pictured Cliffs Pool, is that right?

THE WITNESS: Right, because it is within a mile of the pool. It has been there for some time.

MR. NUTTER: It appears to be on the Aztec side of the trend rather than the Blanco side of the trend or of the corridor?

THE WITNESS: Right.

MR. NUTTER: Rather than the Blanco side?

THE WITNESS: Right.

Paragraph C of Exhibit No. 3 describes the proposed extension of the Blanco-Pictured Cliffs Pool and this acreage is in the following townships; 29 North, Range 8 West; 29 North, Range 9 West; 28 North, Range 8 West; 28 North, Range 9 West; 30 North, Range 9 West; 30 North, Range 10 West; 29 North, Range 10 West; 31 North, Range 10 West; 31 North, Range 11 West; 32 North, Range 11 West, which takes in the new development that we discussed earlier to the northwest and to the south or southeast of the present Blanco Pool.

Paragraph D is a legal description of the acreage which we propose to take into the South Blanco-Pictured Cliffs Pool and it is all located in Township 28 North, Range 8 West.

Paragraph E is a list of the wells which will have to be removed from the Aztec-Pictured Cliffs Pool and included in the Blanco-Pictured Cliffs Pool and also of the undesignated Pictured Cliffs wells which will be included in the Blanco-Pictured Cliffs Pool and also a list of the wells which will be removed from the South Blanco or from the Aztec-Pictured Cliffs Pool and put in the South Blanco-Pictured Cliffs Pool.

Q (By Mr. Hatch) Copies of this Exhibit 3 were sent to the operators whose wells would be affected by this hearing?

A Yes. I have a letter which I can submit as an exhibit, if you would care to have it, written by Mr. Kendrick of our office to all operators owning wells in that area or in any way affected by this case and they were notified of which wells.

Q Would you like to have it entered as an Exhibit?

A I believe that would be well.

MR. HATCH: That will be Exhibit No. 4.

(Whereupon, Exhibit No. 4 was marked for identification)

MR. NUTTER: Yes. Oil Conservation Commission Exhibit No. 4.

Q (By Mr. Hatch) Do you have anything further to add to your testimony?

A I don't believe so.

MR. HATCH: That is all the questions I have.

MR. NUTTER: Does anyone have any questions of Mr. Arnold?

MR. KENDRICK: Yes.

CROSS EXAMINATION

BY MR. KENDRICK:

Q Are the outlines shown on Exhibit 1 the existing pool boundary lines?

A Yes. That is correct. These are all present pool boundaries.

Q On Exhibit 2, those areas outlined with the various colors for the pools include the proposed additions to those pools?

A I believe, if I understand your question right, the answer is yes.

Q The outlines include the existing pool plus the proposed additions to each of the pools?

A Right. The new boundary has been drawn so as to include the proposed extensions.

Q Now, you testified that some of these or two of the pools are prorated and one pool is not prorated.

A Right.

Q How many nonprorated wells at the present time, will be placed in the prorated pools?

A None.

Q All the wells that would trade pools would go from prorated pools to nonprorated?

A Right. There will be wells going from the Aztec Pool into both the Blanco and South Blanco, but no wells will which have been previously in Blanco, will go into Aztec or South Blanco or no wells which previously were in South Blanco will go in any other pool.

Q One well that will be included into a prorated pool that is not currently included is a well which is already being prorated in the Aztec pool, is that right?

A Right.

MR. KENDRICK: That is all the questions I have.

MR. NUTTER: Any further questions?

The witness may be excused.

CROSS EXAMINATION

BY MR. UTZ:

Q According to your Exhibit No. 3 there will be thirty-one wells removed from the prorated Aztec Pool and included in the nonprorated Blanco-Pictured Cliffs Pool, is that correct?

A I don't know, but I will accept your count.

Q Well, I counted it twice. I think it is right.  
Thirty-one going from Aztec to Blanco.

MR. NUTTER: We will accept thirty-one, give or take a few.

Q Actually you will be removing that number of wells from a prorated pool?

A Right.

Q In order to remove wells from a prorated pool, how do you intend to accomplish this, by supplement?

A Well, if it is determined by the proration section that they need individual well supplements, we will supply them. Actually, we already have listed all the wells which we will furnish you a list of. We will do that either way you want it done.

Q Well, the operator should be notified in some manner, shouldn't he -- all the operators and purchasers involved?

A Right. They have already been notified.

Q The purchasers also?

A The purchasers also.

Q Well, anyway, this is something we can work out.

A Right.

Q Now, if I count correctly, there will be in the Blanco-Pictured Cliffs Pool, there will be seventy-three wells.

A I will accept your count on that too.

Q How many purchasers will be in the new Blanco-Pictured Cliffs Pool?

A There are El Paso Natural Gas Company, Aztec Oil and Gas Company, Southern Union Gas Company and Southern Union

Gathering Company. I believe there are four operators.

Q Four purchasers?

A Four purchasers in that pool.

Q Would it be your recommendation to prorate that pool since there are four purchasers in it?

A It wouldn't be my recommendation at the moment.

MR. HATCH: How many purchasers were in that pool before the present time, as the pool is presently set up?

THE WITNESS: Well, there has been at least two purchasers in that pool for some time. Actually Aztec Oil and Gas has become a purchaser of some of this new development which they have drilled to the northwest. They laid their own gathering system and I really don't know at what date the first, the second purchasers showed up in that pool.

MR. HATCH: If your recommendations are accepted, there would be more purchasers than at the present time in the Blanco-Pictured Cliffs Pool?

THE WITNESS: Well, only because of the extension which takes in these undesignated wells to the northwest. The other three purchasers were all there, I believe. It is possible that a study should be made to determine whether or not a great deal will be accomplished with the idea of possibly prorating the pool. I, at the present time, don't have enough information at my disposal to know whether that would be true

or not true.

MR. PORTER: It would have to be the subject of another hearing anyway.

THE WITNESS: Thank you.

MR. UTZ: I think you should have an opinion on this, as you say, a justification for having a nonprorated pool lying alongside of a prorated pool in the same market demand area.

THE WITNESS: That depends on a lot of factors. I doubt there is any significant drainage between the Aztec and Blanco pool, if that is what your question is to, because of the permeability -- very low permeability area that I testified to. Insofar as justifying the fact one pool is prorated and the other one isn't, I don't propose to get involved in that at this time.

MR. UTZ: That is all the questions I have.

MR. NUTTER: Are there any further questions of Mr. Emery Arnold?

In other words, you are recommending that these contractions, extensions and so forth be made today. Would it be your further recommendation then that a continuing study be made to determine the feasibility or the necessity of prorating?

THE WITNESS: Right. I think that the problem whether or not the proration is needed in that pool will require quite

a bit of study.

MR. NUTTER: Are there any further questions of Mr. Arnold?

You may be excused.

MR. HATCH: I'd like to move -- excuse me -- Mr. Arnold, did you prepare Exhibits 1, 2, 3 and 4 or have someone in your office, under your supervision?

THE WITNESS: Yes.

MR. HATCH: I'd like to introduce Exhibits 1 through 4.

MR. NUTTER: OCC Exhibits 1 through 4 will be admitted in evidence.

Anything further, Mr. Hatch?

MR. HATCH: No.

MR. NUTTER: Anyone have anything they wish to offer in 4382?

We will take the case under advisement.

(Whereupon, OCC Exhibits 1 through 4 were admitted into the record.)

I N D E X

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E X H I B I T S

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STATE OF NEW MEXICO )  
 ) ss  
 COUNTY OF BERNALILLO)

I, Peter A. Lumia, Certified Shorthand Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

Peter A. Lumia  
 Certified Shorthand Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the hearing held on Case No. 4382, heard by me on July 15, 1970.

Peter A. Lumia, Secretary  
 New Mexico Oil Conservation Commission

Docket No. 17-70

DOCKET: REGULAR HEARING - WEDNESDAY - JULY 15, 1970

OIL CONSERVATION COMMISSION - 9 A.M. - MORGAN HALL, STATE LAND OFFICE  
BUILDING, SANTA FE, NEW MEXICO

**ALLOWABLE:** Consideration of the allowable production of gas for August, 1970, from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties, New Mexico. Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico for August, 1970.

THE FOLLOWING CASES WILL BE HEARD BEFORE DANIEL S. NUTTER, EXAMINER, OR ELVIS A. UTZ, ALTERNATE EXAMINER, IN THE OIL CONSERVATION COMMISSION CONFERENCE ROOM ON THE SECOND FLOOR OF SAID BUILDING AT 9:30 A.M.

CASE 4381:

Southeastern New Mexico nomenclature case calling for an order for the creation, extension, and contraction of certain pools in Lea, Chaves, Eddy and Roosevelt Counties, New Mexico.

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Atoka production and designated as the West Crossroads-Atoka Pool. The discovery well is the Union Oil Company of California Lea "M" State Well No. 1 located in Unit A of Section 6, Township 10 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 10 SOUTH, RANGE 36 EAST, NMPM  
SECTION 6: NE/4

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the West Garrett-Devonian Pool. The discovery well is the Freeport Oil Company Mattie Price Well No. 1 located in Unit A of Section 6, Township 17 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 38 EAST, NMPM  
SECTION 6: NE/4

(c) Create a new pool in Chaves County, New Mexico, classified as an oil pool for Devonian production and designated as the Race Track-Devonian Pool. The discovery well is the Klabzuba, Munson, and Seamon White Well No. 1 located in Unit I of Section 13, Township 10 South, Range 27 East, NMPM. Said pool described as:

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TOWNSHIP 10 SOUTH, RANGE 27 EAST, NMPM  
SECTION 13: NE/4 SE/4

(d) Contract the Bough Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM  
SECTION 18: NE/4

(e) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM  
SECTION 18: NE/4

(f) Extend the Blinebry Oil Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM  
SECTION 30: SW/4

(g) Extend the Bluitt-San Andres Associated Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM  
SECTION 20: NW/4

(h) Extend the South Carlshad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM  
SECTION 6: E/2  
SECTION 7: N/2

(i) Extend the High Plains-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM  
SECTION 14: SW/4

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(j) Extend the Loco Hills-Queen Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM  
SECTION 31: SE/4 NE/4 and NE/4 SE/4

(k) Extend the Midway-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM  
SECTION 17: S/2

(l) Extend the Quail-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 12: S/2

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM  
SECTION 7: SW/4

(m) Extend the West Sawyer-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM  
SECTION 34: NW/4

(n) Extend the East Weir-Tubb Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM  
SECTION 12: NE/4 and N/2 SE/4

CASE 4382: In the matter of the application of the Oil Conservation Commission upon its own motion for an order for the contraction of the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico, by the deletion of certain lands in Township 28 North, Ranges 8 and 9 West; Township 29 North, Ranges 8, 9, and 10 West; and Township 30 North, Range 10 West; further, for the extension of the Blanco-Pictured Cliffs Pool and the South Blanco-Pictured Cliffs Pool in San Juan County, New Mexico, to include, among other lands, the lands being deleted from the aforesaid Aztec-Pictured Cliffs Pool; and for the further extension of the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico.

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- CASE 4383:** Application of MWJ Producing Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the rules governing the Baum-Upper Pennsylvanian Pool to permit the drilling of an oil well at an unorthodox location 330 feet from the North line and 2310 feet from the West line of Section 9, Township 14 South, Range 33 East, Lea County, New Mexico.
- CASE 4384:** Application of Shell Oil Company for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from 3606 feet to 3680 feet in its Eastland Shell Federal Well No. 1 located in Unit A, Section 35, Township 8 South, Range 30 East, Cato-San Andres Pool Area, Chaves County, New Mexico.
- CASE 4385:** Application of King Resources Company for a unit agreement, Otero County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Brokeoff Mountain Unit Area comprising 37,747 acres, more or less, of Federal, State and Fee lands in Townships 24, 25, and 26 South, Ranges 19 and 20 East, Otero County, New Mexico.
- CASE 4386:** Application of Texaco Inc. for an exception to Order No. R-3221, as amended, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico. Said exception would be for applicant's wells located on its V. G. Kinahan Federal and Peery Federal leases comprising respectively, Sections 20 and 29 of Township 15 South, Range 30 East, Little Lucky Lake-Devonian Pool, Chaves County, New Mexico. Applicant seeks authority to dispose of produced salt water in an unlined surface pit located in Unit K of said Section 29.
- CASE 4387:** Application of Benson-Montin-Greer Drilling Corporation for surface commingling of oil, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle the production from its Cañada Cjitos Unit Well No. 13, a non-participating well located in Unit L of Section 27, Township 26 North, Range 1 West, Rio Arriba County, New Mexico, with oil production from the participating area of said unit.

# Memo

From

OIL CONSERVATION COMMISSION  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410

To George,

This is the proposed  
advice submitted for the pool boundary  
correction hearing that we  
discussed the other day. I have  
also listed the affected wells  
for your information. I  
presume we can set this up  
for the July regular hearing.  
We can discuss it when I  
come down this week.

Gregory

Delete from the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM,

Section 7: All Partial  
Section 15: S/2  
Section 16: S/2 and NW  
Section 17: S/2  
Section 18: S/2  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM,  
Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM,  
Section 30: W/2  
Section 31: W/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM,  
Section 25: All  
Section 27: SE  
Section 34: N/2  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM,  
Section 1: All

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM,  
Section 7: SE  
Section 8: S/2  
Section 9: S/2  
Section 10: SW  
Section 14: W/2  
Section 15: All  
Section 16: All  
Section 21: N/2  
Section 22: N/2  
Section 23: N/2  
Section 24: NW  
Section 35: All  
Section 36: W/2 and SE

*Case 4382*

2

Extend the Aztec-Pictured Cliffs Pool boundary in San Juan County  
New Mexico, to include therein:

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM,  
Section 27: SW

3

Extend the South Blanco-Pictured Cliffs Pool boundary in Rio Arriba,  
Sandoval, and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM,

Section 15: S/2  
Section 16: S/2 and NW  
Section 19: S/2 and NW  
Section 20: S/2 and NE  
Section 21: All  
Section 22: All

4

Extend the Blanco-Pictured Cliffs Pool boundary in San Juan County,  
New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM,  
Section 7: All Partial

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM,  
Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM,  
Section 14: SW  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All  
Section 23: W/2  
Section 26: W/2  
Section 27: All  
Section 28: All  
Section 29: All  
Section 30: All  
Section 31: W/2 and NE  
Section 32: N/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM,  
Section 6: NW  
Section 25: All  
Section 27: SE  
Section 34: NE  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM,  
Section 1: N/2

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM,  
Section 4: W/2  
Section 5: N/2  
Section 9: W/2 and SE  
Section 10: S/2  
Section 14: W/2  
Section 15: E/2  
Section 22: NE  
Section 23: N/2  
Section 24: NW  
Section 35: N/2  
Section 36: All

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM,  
Section 19: All  
Section 20: SW  
Section 30: All  
Section 31: NE  
Section 32: W/2

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TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM,

Section 5: SW  
Section 6: All  
Section 8: N/2 and SE  
Section 9: S/2  
Section 10: S/2  
Section 14: S/2  
Section 15: E/2  
Section 23: E/2  
Section 24: S/2  
Section 25: NE

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM,

Section 30: SW  
Section 31: All

WELLS TO REMOVE FROM AZTEC-PICTURED CLIFFS POOL AND TO INCLUDE IN BLANCO-  
PICTURED CLIFFS POOL

El Paso Natural Gas Co., Quigley A #1, C-1-29N-10W  
El Paso Natural Gas Co., Sunray F #2, H-1-29N-10W  
El Paso Natural Gas Co., Sunray E #2, L-9-30N-10W  
El Paso Natural Gas Co., San Juan #10, M-10-30N-10W  
El Paso Natural Gas Co., Grambling C #6, F-14-30N-10W  
El Paso Natural Gas Co., Sunray A #1, A-15-30N-10W  
El Paso Natural Gas Co., King #1, A-22-30N-10W  
El Paso Natural Gas Co., Riddle B #4, A-23-30N-10W  
Pan American Petroleum Corp., W. H. Riddle #2, E-24-30N-10W  
Aztec Oil & Gas Co., Grenier A #5, F-35-30N-10W  
El Paso Natural Gas Co., Kelly #1, H-35-30N-10W  
Texaco, Inc., New Mexico Com B #1, D-36-30N-10W  
Texaco, Inc., New Mexico Com F #1, M-36-30N-10W  
Texaco, Inc., New Mexico Com G #1, P-36-30N-10W  
El Paso Natural Gas Co., Warren #8, M-7-28N-8W  
El Paso Natural Gas Co., Warren #2, K-12-28N-9W  
Tenneco Oil Co., Jones #3, L-30-29N-8W  
Tenneco Oil Co., Prichard #4, L-31-29N-8W  
Tenneco Oil Co., Florance #73, D-25-29N-9W  
D. J. Simmons, Simmons #7, H-25-29N-9W  
D. J. Simmon, Simmons #8, J-25-29N-9W  
Tenneco Oil Co., Florance #26, M-25-29N-9W  
El Paso Natural Gas Co., Grambling #5, P-27-29N-9W  
Tenneco Oil Co., Helen Jackson #5, A-34-29N-9W

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Northwest Production Corp., San Juan 29-9 #1, C-35-29N-9W

Tenneco Oil Co., Florance #75, H-35-29N-9W

El Paso Natural Gas Co., San Juan #20, K-35-29N-9W

Tenneco Oil Co., Florance #76, P-35-29N-9W

El Paso Natural Gas Co., Green Com #1, E-36-29N-9W

Aztec Oil & Gas Co., Koch State Com #1, G-36-29N-9W

Pan American Petroleum Corp., State Gas Com V #1, L-36-29N-9W

Aztec Oil and Gas Co., Turner #2, N-24-31N-11W

Aztec Oil and Gas Co., Ruple #2, O-24-31N-11W

Aztec Oil and Gas Co., Bruington #2, A-25-31N-11W

Pubco Petroleum Corp., Federal #17, N-30-32N-11W

Aztec Oil and Gas Co., Lawson #2, B-31-32N-11W

Aztec Oil and Gas Co., Vasaly #3, K-31-32N-11W

## UNDESIGNATED PICTURED CLIFFS WELLS TO BE INCLUDED IN BLANCO-PICTURED CLIFFS POOL

El Paso Natural Gas Co., Roelofs #5, M-14-29N-8W  
El Paso Natural Gas Co., Hughes #16, G-21-29N-8W  
El Paso Natural Gas Co., Roelofs E #5, C-22-29N-8W  
El Paso Natural Gas Co., Roelofs #4, P-22-29N-8W  
El Paso Natural Gas Co., Hardie A #3, D-26-29N-8W  
El Paso Natural Gas Co., Hardie A #4, L-26-29N-8W  
Pubco Petroleum Corp., State #3, H-32-29N-8W  
El Paso Natural Gas Co., Atlantic B #10, H-5-30N-10W  
Aztec Oil and Gas Co., Crandell #4, A-19-30N-10W  
Aztec Oil and Gas Co., Crandell #6, C-19-31N-10W  
Aztec Oil and Gas Co., Crandell #5, M-19-30N-10W  
Aztec Oil and Gas Co., Crandell #3, O-19-30N-10W  
Aztec Oil and Gas Co., Cain B #1, L-20-31N-10W  
Aztec Oil and Gas Co., Pierce #5, E-30-31N-10W  
Aztec Oil and Gas Co., Pierce #6, H-30-31N-10W  
Aztec Oil and Gas Co., Pierce #4, L-30-31N-10W  
Aztec Oil and Gas Co., Pierce #3, O-30-31N-10W  
El Paso Natural Gas Co., Atlantic C #8, A-31-31N-10W  
Aztec Oil and Gas Co., Grenier #19, G-6-31N-11W  
Aztec Oil and Gas Co., Grenier #1, O-6-31N-11W  
Aztec Oil and Gas Co., Grenier #1, O-6-31N-11W  
El Paso Natural Gas Co., Mudge #29, I-10-31N-11W  
Aztec Oil and Gas Co., Jensen #1, A-24-31N-11W  
Aztec Oil and Gas Co., Turner #3, F-24-31N-11W

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WELLS TO REMOVE FROM THE AZTEC-PICTURED CLIFFS POOL AND INCLUDE IN THE SOUTH  
BLANCO-PICTURED CLIFFS POOL

El Paso Natural Gas Co., Tapp #3, L-15-28N-8W  
El Paso Natural Gas Co., Tapp #5, O-15-28N-8W  
El Paso Natural Gas Co., Hardie E #5, E-16-28N-8W  
El Paso Natural Gas Co., Hardie E #4, J-16-28N-8W  
El Paso Natural Gas Co., Tapp #4, M-16-28N-8W  
El Paso Natural Gas Co., Florance C #12, E-19-28N-8W  
El Paso Natural Gas Co., Florance C #3, K-19-28N-8W  
El Paso Natural Gas Co., Florance C #14, O-19-28N-8W  
El Paso Natural Gas Co., Riddle F #3, A-20-28N-8W  
El Paso Natural Gas Co., Dryden #3, M-21-28N-8W  
El Paso Natural Gas Co., Tapp #6, A-22-28N-8W



## OIL CONSERVATION COMMISSION

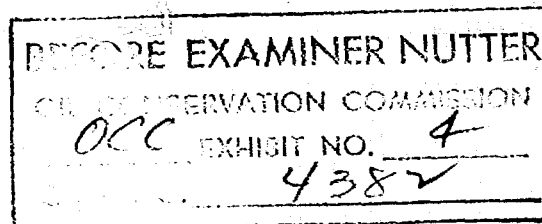
STATE OF NEW MEXICO  
1000 RIO BRAZOS ROAD - AZTEC  
87410

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

LAND COMMISSIONER  
ALEX ARMIJO  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

July 6, 1970



Gentlemen:

Attached is a copy of Exhibit No. 3 which we expect to present in Case No. 4382 on July 14, 1970.

If this application is approved by the Commission, your wells in Paragraph (e) will change pools as shown.

Exhibit No. 1 is a plat showing the area deleted from the Aztec-Pictured Cliffs Pool as listed in Paragraph (a) of Exhibit No. 3.

Exhibit No. 2 is a plat showing the areas of pool extensions as listed in Paragraphs (b), (c), and (d) of Exhibit No. 3.

If there are questions, please contact us or attend the hearing.

Yours very truly,

*A. R. Kendrick*

A. R. Kendrick  
Engineer, District #3

ARK:mc

Attachment

A Xerox copy of the above letter was mailed to the following:

Aztec Oil & Gas Co., Farmington, New Mexico  
El Paso Natural Gas Co., Attn: Mr. Carl Matthews, Farmington, New Mexico  
Northwest Production Corp., Attn: Mr. Charles Werner, Farmington, New Mexico  
Pan American Petroleum Corp., Attn: Mr. George Eaton, Farmington, New Mexico  
Pubco Petroleum Corp. Attn: Mr. Glenn Rhodes, Aztec, New Mexico  
D. J. Simmons et al, Attn: Mr. Ashton B. Geren, Farmington, New Mexico  
Tenneco Oil Co, Attn: Mr. J. E. Massey, Denver, Colorado  
Texaco, Inc., Farmington, New Mexico

## BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

OCC EXHIBIT NO. 3

CASE NO. 1/87

NMOCC Exhibit No. 3  
Case No. 4382

The following is recommended for the northwest nomenclature case for July, 15, 1970:

- (a) Contract the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico, by the deletion of the following described area:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM.

Section 7: All Partial  
Section 15: S/2  
Section 16: S/2 and NW/4  
Section 17: S/2  
Section 18: S/2  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM.

Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM.

Section 30: W/2  
Section 31: W/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM.

Section 25: All  
Section 27: SE/4  
Section 34: N/2  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM.

Section 1: All

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM.

Section 7: SE/4  
Section 8: S/2  
Section 9: S/2  
Section 10: SW/4  
Section 14: W/2  
Section 15: All  
Section 16: All  
Section 21: N/2  
Section 22: N/2  
Section 23: N/2  
Section 24: NW/4  
Section 35: All  
Section 36: W/2 and SE/4

- (b) Extend the Aztec-Pictured Cliffs Pool boundary in San Juan County, New Mexico, to include therein:

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM.

Section 27: SW/4

- (c) Extend the Blanco-Pictured Cliffs Pool boundary in San Juan County, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM.

Section 7: All Partial

✓ 3

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM,  
Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM,  
Section 14: SW/4  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All  
Section 23: W/2  
Section 26: W/2  
Section 27: All  
Section 28: All  
Section 29: All  
Section 30: All  
Section 31: W/2 and NE/4  
Section 32: N/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM,  
Section 6: NW/4  
Section 25: All  
Section 27: SE/4  
Section 34: NE/4  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM,  
Section 1: N/2

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM,  
Section 31: W/2

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM,  
Section 4: W/2  
Section 5: N/2  
Section 9: W/2 and SE/4  
Section 10: S/2  
Section 14: W/2  
Section 15: E/2  
Section 22: NE/4  
Section 23: N/2  
Section 24: NW/4  
Section 35: N/2  
Section 36: All

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM,  
Section 19: All  
Section 20: SW/4  
Section 30: All  
Section 31: NE/4  
Section 32: W/2

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM,  
Section 5: SW/4  
Section 6: All  
Section 8: N/2 and SE/4  
Section 9: S/2  
Section 10: S/2  
Section 14: S/2  
Section 15: E/2  
Section 23: E/2  
Section 24: All  
Section 25: NE/4

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM,  
Section 30: SW/4  
Section 31: All

- (d) Extend the South Blanco-Pictured Cliffs Pool boundary in Rio Arriba Sandoval, and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM.

Section 15: S/2  
Section 16: S/2 and NW/4  
Section 19: S/2 and NW/4  
Section 20: S/2 and NE/4  
Section 21: All  
Section 22: All

- (e) Wells affected by these recommendations:

Wells to remove from Aztec-Pictured Cliffs Pool and to include in Blanco-Pictured Cliffs Pool:

31  
El Paso Natural Gas Co., Warren #8, M-7-28N-8W  
El Paso Natural Gas Co., Warren #2, K-12-28N-9W  
Tenneco Oil Co., Jones #3, L-30-29N-8W  
Tenneco Oil Co., Pritchard #4, L-31-29N-8W  
Tenneco Oil Co., Florance #73, D-25-29N-9W  
D. J. Simmons, Simmons #7, H-25-29N-9W  
D. J. Simmons, Simmons #8, J-25-29N-9W  
Tenneco Oil Co., Florance #26, M-25-29N-9W  
El Paso Natural Gas Co., Grambling #5, P-27-29N-9W  
Tenneco Oil Co., Helen Jackson #5, A-34-29N-9W  
Northwest Production Corp., San Juan 29-9 #1, C-35-29N-9W  
Tenneco Oil Co., Florance #75, H-35-29N-9W  
El Paso Natural Gas Co., San Juan #20, K-35-29N-9W  
Tenneco Oil Co., Florance #76, P-35-29N-9W  
El Paso Natural Gas Co., Green Com #1, E-36-29N-9W  
Aztec Oil & Gas Co., Koch State Com #1, G-36-29N-9W  
Pan American Petroleum Corp., State Gas Com V #1, L-36-29N-9W  
El Paso Natural Gas Co., Quigley A #1, C-1-29N-10W  
El Paso Natural Gas Co., Sunray F #2, H-1-29N-10W  
El Paso Natural Gas Co., Sunray E #2, L-9-30N-10W  
El Paso Natural Gas Co., San Juan #10, M-10-30N-10W  
El Paso Natural Gas Co., Grambling C #6, F-14-30N-10W  
El Paso Natural Gas Co., Sunray A #1, A-15-30N-10W  
El Paso Natural Gas Co., King #1, A-22-30N-10W  
El Paso Natural Gas Co., Riddle B #4, A-23-30N-10W  
Pan American Petroleum Corp., W. H. Riddle #2, E-24-30N-10W  
Aztec Oil & Gas Co., Grenier A #5, F-35-30N-10W  
El Paso Natural Gas Co., Kelly #1, H-35-30N-10W  
Texaco, Inc., New Mexico Com B #1, D-36-30N-10W  
Texaco, Inc., New Mexico Com F #1, M-36-30N-10W  
Texaco, Inc., New Mexico Com G #1, P-36-30N-10W

Undesignated Pictured Cliffs wells to be included in Blanco-Pictured Cliffs Pool:

El Paso Natural Gas Co., Roelofs #5, M-14-29N-8W  
El Paso Natural Gas Co., Hughes #16, G-21-29N-8W  
El Paso Natural Gas Co., Roelofs E #5, C-22-29N-8W  
El Paso Natural Gas Co., Roelofs #4, P-22-29N-8W  
El Paso Natural Gas Co., Hardie A #3, D-26-29N-8W  
El Paso Natural Gas Co., Hardie A #4, L-26-29N-8W  
Pubco Petroleum Corp., State #3, H-32-29N-8W  
El Paso Natural Gas Co., Atlantic B #10, H-5-30N-10W  
Aztec Oil & Gas Co., Crandell #4, A-19-31N-10W  
Aztec Oil & Gas Co., Crandell #6, C-19-31N-10W  
Aztec Oil & Gas Co., Crandell #5, M-19-31N-10W  
Aztec Oil & Gas Co., Crandell #3, O-19-31N-10W  
Aztec Oil & Gas Co., Crandell #1, L-20-31N-10W

Aztec Oil & Gas Co., Pierce #5, E-30-31N-10W  
Aztec Oil & Gas Co., Pierce #6, H-30-31N-10W  
Aztec Oil & Gas Co., Pierce #4, L-30-31N-10W  
Aztec Oil & Gas Co., Pierce #3, O-30-31N-10W  
El Paso Natural Gas Co., Atlantic C #8, A-31-31N-10W  
Aztec Oil & Gas Co., Grenier #19, G-6-31N-11W  
Aztec Oil & Gas Co., Grenier #1, O-6-31N-11W  
El Paso Natural Gas Co., Mudge #29, I-10-31N-11W  
Aztec Oil & Gas Co., Jensen #1, A-24-31N-11W  
Aztec Oil & Gas Co., Turner #3, F-24-31N-11W  
Aztec Oil & Gas Co., Turner #2, N-24-31N-11W  
Aztec Oil & Gas Co., Ruple #2, O-24-31N-11W  
Aztec Oil & Gas Co., Bruington #2, A-25-31N-11W  
Pubco Petroleum Corp., Federal #17, N-30-32N-11W  
Aztec Oil & Gas Co., Lawson #2, B-31-32N-11W  
Aztec Oil & Gas Co., Vasaly #3, K-31-32N-11W

Wells to remove from the Aztec-Pictured Cliffs Pool and include in the South Blanco-Pictured Cliffs Pool:

El Paso Natural Gas Co., Tapp #3, L-15-28N-8W  
El Paso Natural Gas Co., Tapp #5, O-15-28N-8W  
El Paso Natural Gas Co., Hardie E #5, E-16-28N-8W  
El Paso Natural Gas Co., Hardie E #4, J-16-28N-8W  
El Paso Natural Gas Co., Tapp #4, M-16-28N-8W  
El Paso Natural Gas Co., Florance C #12, E-19-28N-8W  
El Paso Natural Gas Co., Florance C #3, K-19-28N-8W  
El Paso Natural Gas Co., Florance C #14, O-19-28N-8W  
El Paso Natural Gas Co., Riddle F #3, A-20-28N-8W  
El Paso Natural Gas Co., Dryden #3, M-21-28N-8W  
El Paso Natural Gas Co., Tapp #6, A-22-28N-8W

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 4382  
Order No. R-4002  
NOMENCLATURE

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER CONTRACTING AND EXTENDING CERTAIN  
POOLS IN SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:30 a.m. on July 15, 1970, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 21st day of July, 1970, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the evidence indicates that the horizontal limits of the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico, presently contain certain lands that properly belong in the Blanco-Pictured Cliffs Pool or in the South Blanco-Pictured Cliffs Pool, both in San Juan County, New Mexico, and said lands should be deleted from the Aztec-Pictured Cliffs Pool and the horizontal limits of said Blanco-Pictured Cliffs and South Blanco-Pictured Cliffs Pools should be extended to include substantially all of said lands.

(3) That the evidence indicates that a certain well is producing from the Aztec-Pictured Cliffs reservoir and that the horizontal limits of said pool should be extended to include said well.

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CASE No. 4382

Order No. R-4002

(4) That the evidence indicates that certain other wells are producing from the Blanco-Pictured Cliffs reservoir and that the horizontal limits of said pool should be further extended to include said wells.

(5) That the deletions and extensions described above in Findings (2), (3), and (4) will not violate correlative rights nor cause waste.

IT IS THEREFORE ORDERED:

(1) That the horizontal limits of the Aztec-Pictured Cliffs Pool, San Juan County, New Mexico, are hereby contracted by the deletion therefrom of the following-described area:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM

Section 7: All Partial  
Section 15: S/2  
Section 16: S/2 and E/4  
Section 17: S/2  
Section 18: S/2  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM

Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM

Section 30: W/2  
Section 31: W/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

Section 25: All  
Section 27: SE/4  
Section 34: N/2  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM

Section 1: All

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CASE No. 4382

Order No. R-4002

(1) - Continued from Page 2 -

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM

Section 7: SE/4  
Section 8: S/2  
Section 9: S/2  
Section 10: SW/4  
Section 14: W/2  
Section 15: All  
Section 16: All  
Section 21: N/2  
Section 22: N/2  
Section 23: N/2  
Section 24: NW/4  
Section 35: All  
Section 36: W/2 and SE/4

(2) That the horizontal limits of the above-described Aztec-Pictured Cliffs Pool, San Juan County, New Mexico, are hereby extended to include the following-described area:

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM

Section 27: SW/4

(3) That the horizontal limits of the Blanco-Pictured Cliffs Pool, San Juan County, New Mexico, are hereby extended to include the following-described area:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM

Section 7: All Partial

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM

Section 12: All partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM

Section 14: SW/4  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All  
Section 23: W/2  
Section 26: W/2  
Section 27: All  
Section 28: All

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CASE No. 4382

Order No. R-4002

(3) - Continued from page 3 -

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM, continued

Section 29: All  
Section 30: All  
Section 31: W/2 and NE/4  
Section 32: N/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

Section 6: NW/4  
Section 25: All  
Section 27: SE/4  
Section 34: NE/4  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM

Section 1: N/2

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

Section 31: W/2

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM

Section 4: W/2  
Section 5: N/2  
Section 9: W/2 and SE/4  
Section 10: S/2  
Section 14: W/2  
Section 15: E/2  
Section 22: NE/4  
Section 23: N/2  
Section 24: NW/4  
Section 35: N/2  
Section 36: All

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM

Section 19: All  
Section 20: SW/4  
Section 30: All  
Section 31: NE/4  
Section 32: W/2

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM

Section 5: SW/4  
Section 6: All

CASE No. 4382  
Order No. R-4002

(3) - Continued from Page 4 -

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM

Section 8: N/2 and SE/4  
Section 9: S/2  
Section 10: S/2  
Section 14: S/2  
Section 15: E/2  
Section 23: E/2  
Section 24: All  
Section 25: NE/4

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM

Section 30: SW/4  
Section 31: All

(4) That the horizontal limits of the South Blanco-Pictured Cliffs Pool, Rio Arriba, Sandoval, and San Juan Counties, New Mexico, are hereby extended to include the following-described area:

SAN JUAN COUNTY, NEW MEXICO

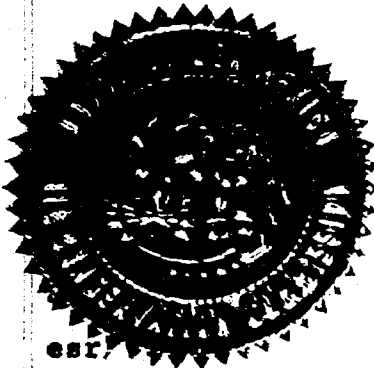
TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM

Section 15: S/2  
Section 16: S/2 and NW/4  
Section 19: S/2 and NW/4  
Section 20: S/2 and NE/4  
Section 21: All  
Section 22: All

(5) That the effective date of this order and all contractions and extensions included herein shall be September 1, 1970.

(6) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*David F. Cargo*  
DAVID F. CARGO, Chairman

*Alex J. Armijo*  
ALEX J. ARMILLO, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary

Hearing ———, 1970

Newspaper

Case ———

In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the redelineation of certain pool boundaries in San Juan, Rio Arriba, and Sandoval Counties, New Mexico as follows:

(A) Extend the Aytes - Pictured Cliffs Gas Pool in San Juan County, to include therein:

(from page 2)

(B)

Contract the Aytes - Pictured Cliffs Gas Pool in San Juan County, by the deletion of the following ~~described~~ described area:

(from page 1)

(C) Extend the South Blanco - Pictured Cliffs Gas Pool in Rio Arriba, Sandoval, and San Juan Counties to include therein:

(from page 3)

(D) Extend the Blanco - Pictured Cliffs <sup>Gas</sup> Pool in San Juan County, to include therein:

(from pages 4 & 5)

DRAFT

GMH/esr

July 17, 1970

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

RECORDS CENTER

CASE No. 4382

Order No. R- 4002

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER CONTRACTING AND EXTENDING CERTAIN  
POOLS IN SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

9:30

This cause came on for hearing at 9 a.m. on July 15, 1970,  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this        day of July, 1970, the Commission, a  
quorum being present, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully advised  
in the premises,

FINDS:

(1) That due public notice having been given as required by  
law, the Commission has jurisdiction of this cause and the subject  
matter thereof.

(2) That the evidence indicates that the horizontal limits  
of the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico,  
presently contain certain lands that properly belong in the  
Blanco-Pictured Cliffs Pool or the South Blanco-Pictured Cliffs  
Pool, both in San Juan County, New Mexico, and said lands should  
be deleted from the Aztec-Pictured Cliffs Pool and the horizontal  
limits of said Blanco-Pictured Cliffs and South Blanco-Pictured  
Cliffs Pools should be extended to include substantially all of  
said lands.

(3) That the evidence indicates that a certain well is producing from the Aztec-Pictured Cliffs reservoir and that the horizontal limits of said pool should be extended to include said well.

(4) That the evidence indicates that certain other wells are producing from the Blanco-Pictured Cliffs reservoir and that the horizontal limits of said pool should be further extended to include said wells.

(5) That the deletions and extensions described above in Findings (2), (3), and (4) will not violate correlative rights nor cause waste.

IT IS THEREFORE ORDERED:

(1) That the horizontal limits of the Aztec-Pictured Cliffs Pool, San Juan County, New Mexico, are hereby contracted by the deletion therefrom of the following-described area:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM.

Section 7: All Partial  
Section 15: S/2  
Section 16: S/2 and NW/4  
Section 17: S/2  
Section 18: S/2  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM.

Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM.

Section 30: W/2  
Section 31: W/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM.

Section 25: All  
Section 27: SE/4  
Section 34: N/2  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM.

Section 1: All

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM.

Section 7: SE/4  
Section 8: S/2  
Section 9: S/2  
Section 10: SW/4  
Section 14: W/2  
Section 15: All  
Section 16: All  
Section 21: N/2  
Section 22: N/2  
Section 23: N/2  
Section 24: NW/4  
Section 35: All  
Section 36: W/2 and SE/4

(2) That the horizontal limits of the above-described Aztec-Pictured Cliffs Pool, San Juan County, New Mexico, are hereby extended to include the following-described area:

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM ✓  
Section 27: SW/4

(3) That the horizontal limits of the Blanco-Pictured Cliffs Pool, San Juan County, New Mexico, are hereby extended to include the following-described area:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM, ✓  
Section 7: All Partial

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM, ✓  
Section 12: All Partial

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM, ✓  
Section 14: SW/4  
Section 19: All  
Section 20: All  
Section 21: All  
Section 22: All  
Section 23: W/2  
Section 26: W/2  
Section 27: All  
Section 28: All  
Section 29: All  
Section 30: All  
Section 31: W/2 and NE/4  
Section 32: N/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM, ✓  
Section 6: NW/4  
Section 25: All  
Section 27: SE/4  
Section 34: NE/4  
Section 35: All  
Section 36: All

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM, ✓  
Section 1: N/2

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM, ✓  
Section 31: W/2

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM, ✓  
Section 4: W/2  
Section 5: N/2  
Section 9: W/2 and SE/4  
Section 10: S/2  
Section 14: W/2  
Section 15: E/2  
Section 22: NE/4  
Section 23: N/2  
Section 24: NW/4  
Section 35: N/2  
Section 36: All

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM, ✓  
Section 19: All  
Section 20: SW/4  
Section 30: All  
Section 31: NE/4  
Section 32: W/2

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM, ✓  
Section 5: SW/4  
Section 6: All  
Section 8: N/2 and SE/4  
Section 9: S/2  
Section 10: S/2  
Section 14: S/2  
Section 15: E/2  
Section 23: E/2  
Section 24: All  
Section 25: NE/4

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM, ✓  
Section 30: SW/4  
Section 31: All

(4) That the horizontal limits of the South Blanco-Pictured Cliffs Pool, Rio Arriba, Sandoval, and San Juan Counties, New Mexico, are hereby extended to include the following-described area:

**SAN JUAN COUNTY, NEW MEXICO**  
**TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM.** ✓

Section 15: S/2

Section 16: S/2 and NW/4

Section 19: S/2 and NW/4

Section 20: S/2 and NE/4

Section 21: All

Section 22: All

(5) That the effective date of this order and all contractions and extensions included herein shall be September 1, 1970.

✓ (6) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

CASE 4383: Application of MWJ  
PRODUCING CO. FOR AN UNORTHODOX  
OIL WELL LOCATION, LEA COUNTY.