

CASE 4032: Motion of OCC to consider establishment of non-std. units & unorth. gas well locations

Case Number

4032

Application
Transcripts.

Small Exhibits

ETC.

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

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 22, 1969

EXAMINER HEARING

IN THE MATTER OF:)

Hearing called by the Oil Conservation)
Commission upon its own motion to)
consider the establishment of non-)
standard gas proration units and)
unorthodox gas well locations, where)
necessary, in the Aztec and Blanco-)
Pictured Cliffs Gas Pools, San Juan)
County, New Mexico.)

Case No. 4032

BEFORE: Elvis A. Uts., Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 4032.

MR. HATCH: Case 4032, in the matter of the hearing called by the Oil Conservation Commission upon its own motion to consider the establishment of non-standard gas proration units and unorthodox gas well locations, where necessary, in the Aztec and Blanco Pictured Cliffs Gas Pools in Sections 6, 7, 18, 19, 30, and 31, Townships 29 and 30 North, Ranges 8 and 9 West, San Juan County, New Mexico.

If the Examiner please, George Hatch appearing on behalf of the Commission and its staff. I will have one witness who I would like to have sworn at this time.

(Witness sworn.)

(Whereupon, Commission's Exhibit Number 1 was marked for identification.)

A. R. KENDRICK

called as a witness by the Commission, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

O Would you state your name and position for the record?

A A. R. Kendrick, Senior Petroleum Engineer for the Oil Commission.

Q Mr. Kendrick, as Senior Petroleum Enginner for the New Mexico Oil Conservation Commission, District 3, is it one of your duties to study and make recommendations to the Commission concerning the establishment of proration units and well locations?

A Yes, sir.

Q Are you familiar with Case 4032 and what it proposes?

A Yes, sir.

Q Would you explain to the Examiner what you are proposing and why?

A Due to the correction lines at the west side of Range 8 West, and Range 9 West, in Townships 29 and 30 North, the west half of the section is adjacent to the west lines, and is abnormally small due to parralax corrections to provide for orderly development in the Pictured Cliffs Formation.

I have subdivided these acreages which constitute the west half of Sections 6, 7, 18, 19, 30, and 31 of Townships 29 North, Range 8 West, and 29 North, Range 9 West, 30 North, Range 8 West, and 30 North, Range 9 West.

This acreage is divided to approximate 160 acres, which is the standard proration unit in the Aztec Pool, and is the standard drill tract for undesignated and unprorated Pictured Cliffs or gas wells in that area.

In these various townships, there exists six drill tracts formally designated by Order R-1390, by Administrative Order NWU-72, by Administrative Order NWU3-75, and Order R-3068.

Q Mr. Kendrick, are those shown on an exhibit?

A These are all shown on what has been designated as Exhibit 1 for this case.

Q How many units are shown on that exhibit to be created?

A I believe there are 31 units in total. Six have prior designations.

Q And they are all shown on that exhibit?

A They are all defined on the exhibit, by the order creating them, and they are outlined in red.

Q Does that exhibit show the sections, townships, lots, ranges, and unit outlines for each of those 31 units?

A Yes, sir.

Q What is the producing formation in this area?

A This I would limit to the Pictured Cliffs Formation. This basin would be for the Pictured Cliffs only.

Q Some of these units are in the Aztec Pictured Cliffs, and some in the Blanco Pictured Cliffs?

A Yes, and some undesignated, and more than a mile from either pool.

MR. HATCH: If the Examiner please, the call of this

case spoke of establishing non-standard proration units in the Aztec Pictured Cliffs and the Blanco Pictured Cliffs Pool. Since the witness has testified that some of these units would be more than a mile from either of those, I would like to amend the call of the hearing to read non-standard gas proration units and locations in the sections, rather than in the Aztec and Pictured Cliffs Gas Pools.

MR. UTZ: Well, isn't that --

MR. HATCH: It is actually what we are doing.

MR. UTZ: Isn't that re-advertising?

MR. HATCH: We can re-advertise. I don't think it would be necessary, but we can re-advertise.

MR. UTZ: Well, it is immaterial to me. I am sure there would be no objection.

MR. HATCH: We did want to point out that some of this would not be in either of these pools presently established.

MR. UTZ: Most of these have not been drilled, yet, have they?

THE WITNESS: So far as I know, there is no well producing at any of the acreage where a unit has not yet been created.

Q (By Mr. Hatch) Mr. Kendrick, did you give the spacing in the Aztec Pictured Cliffs Pool?

A Yes, sir.

Q And the location of the wells?

A The location of the wells would be 790 feet from the outer boundary of the tract, and not closer than 130 feet to the inner boundary.

Q What about the Blanco Pictured Cliffs?

A The Blanco Pictured Cliffs has a spacing roughly of 660 feet from the outer boundary, and 330 feet from the inner boundary.

Q What have you attempted to do in setting up these units, then?

A To set these units up to approximate 160 acres, and due to the lot sizes, it will be impossible to locate wells 790 feet from the outer boundaries of the tract, in most cases. Therefore, I recommend that we establish footage requirements of 500 feet from the outer boundary of the tract to allow the operators of these tracts a chance to provide a suitable location to drill on.

Q And 130 feet from the inner boundary, you think could remain as it is?

A Yes, sir.

Q What is the smallest unit that you have here?

A The smallest unit is 128.31 acres.

Q And the largest, do you have that, or can you find it there?

A I think the largest is 187.16 acres. The larger tracts in the same group have already been designated.

MR. HATCH: If the Examiner please, I would like for you to take notice of the orders that Mr. Kendrick spoke of before, R-1390, NWU-72, NWU-3-75, R-3068, and I think Mr. Kendrick has copies of those orders he can hand you at this time. Those are the units he explained that have already been established.

Q If the Commission should see fit to establish the units as proposed, Mr. Kendrick, will the allowable presently assigned to any well be affected by the creation of the proposed units?

A No, sir, the dedicated acreage to the well currently producing in the southwest quarter of Section 31, Township 30 North, Range 8 West, on the tract set out by NWU-3-75, I propose to change the acreage to this well. It is in the Blanco Pictured Cliffs Pool, and is not prorated. The lease ownership, so far as I can determine, is common throughout the entire tract as currently set out, and by reducing it to slightly smaller acreage so that orderly development can be carried on throughout the rest of this acreage within this township, there

would be no imposition and no royalty changes, no lease change from being dedicated to wells now, and thereby causing a change in payments to lease holders or royalty interests.

MR. UTZ: Which unit was this?

THE WITNESS: It is the one outlined in red on Township 30 North, Range 8 West, in Section 31.

Q Have you contacted the operator of that well?

A Yes, sir, I submitted the proposed plan to operators or lease owners for all the acreage involved, and received no complaints from this type of subdivision.

MR. UTZ: Section 31?

THE WITNESS: Yes, sir, Section 31. The former designation is the entire west half, and the proposed designation is not so large. The proposed designation is the one outlined in the heavy black line; the red line is the current dedication.

Q It would decrease the size of that unit to a certain extent?

A Yes, sir.

Q Was Exhibit 1 prepared by you or someone under your supervision?

A Yes, sir.

MR. HATCH: That is all I have, Mr. Examiner; I would

like to introduce Exhibit 1 into evidence.

MR. UTZ: Exhibit 1 will be received in the evidence.

(Whereupon, Commission's Exhibit
Number 1 was admitted into
evidence.)

These units that have already been approved, you are
not asking for those to be included in this order?

THE WITNESS: No, but the modification of NWU-3-75
would be included in this order. That is the one there in
Section 31 of Township 10, Range 8 West.

MR. UTZ: Any questions of the witness? You may be
excused. Are there any statements?

The case will be taken under advisement.

I N D E XWITNESSPAGE

A. R. KENDRICK

Direct Examination by Mr. Hatch

2

EXHIBITSMARKEDOFFERED AND
ADMITTEDCommission's Exhibit
Number 1

2

9

STATE OF NEW MEXICO)
) ss.
 COUNTY OF BERNALILLO)

I, SAMUEL MORTELETTE, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Samuel Mortelette
 COURT REPORTER

I do hereby certify that the foregoing is
 a true and correct copy of the
 transcript of the hearing held on
 the 22nd day of January, 1969.
John G. [Signature]
 New Mexico Oil Conservation Commission

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION TO CONSIDER THE ESTABLISHMENT OF NON-STANDARD GAS PRORATION UNITS AND UNORTHODOX GAS WELL LOCATIONS, WHERE NECESSARY, IN THE AZTEC AND BLANCO-PICTURED CLIFFS GAS POOLS IN SECTIONS 6, 7, 18, 19, 30, AND 31, TOWNSHIPS 29 AND 30 NORTH, RANGES 8 AND 9 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO.

CASE No. 4032
Order No. R-3669

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 22, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 30th day of January, 1969, 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 due to variations in legal subdivisions of the U. S. Public Land Surveys along the west sides of Township 29 North, Range 8 West, Township 29 North, Range 9 West, Township 30 North, Range 8 West, and Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, the west halves of Sections 6, 7, 18, 19, 30, and 31 in each of said townships are irregular in size.

(3) That said irregularity in size precludes the establishment of standard 160-acre drilling and proration units.

(4) That said irregularity in size precludes the drilling of wells at locations prescribed for standard 160-acre units.

-2-

CASE No. 4032

Order No. R-3669

(5) That the principal gas producing formation in the area is the Pictured Cliffs.

(6) That a standard gas proration unit in the Pictured Cliffs formation in the area of the subject sections is 160 acres.

(7) That the principal gas producing pools in the subject area are the Astec-Pictured Cliffs Gas Pool and the Blanco-Pictured Cliffs Gas Pool.

(8) That the applicable rules provide that gas wells in the Astec-Pictured Cliffs and Blanco-Pictured Cliffs Gas Pools be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

(9) That in order to ensure systematic development and thereby prevent waste and protect correlative rights, non-standard gas proration units approximating 160 acres each should be established for the Pictured Cliffs formation along the west side of the subject sections.

(10) That gas wells drilled on said units should be located not closer than 500 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

(11) That Administrative Order No. NWU 3-75, dated March 18, 1968, approved a non-standard gas proration unit in the Blanco-Pictured Cliffs Gas Pool comprising the W/2 of Section 31, Township 30 North, Range 8 West, NMPM, San Juan County, New Mexico.

(12) That Administrative Order No. NWU 3-75 should be superseded by this order.

IT IS THEREFORE ORDERED:

(1) That the following-described non-standard gas spacing and proration units in the Pictured Cliffs formation, San Juan County, New Mexico, are hereby established:

-3-

CASE No. 4032

Order No. R-3669

TOWNSHIP 29 NORTH, RANGE 8 WEST, NNPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	131.24	Section 6: Lots 8, 9, 10, 11, and 12
2	159.99	Section 6: Lots 14 and 15 Section 7: Lots 5, 6, 7, and 8
3	168.01	Section 7: Lots 9, 10, 11, and 12 Section 18: Lot 1 and NE/4 NW/4
4	173.87	Section 18: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4
5	173.85	Section 19: Lots 1, 2, 3, E/2 NW/4, and NE/4 SW/4
6	173.75	Section 19: Lot 4 and SE/4 SW/4 Section 30: Lots 1, 2, and E/2 NW/4

TOWNSHIP 29 NORTH, RANGE 9 WEST, NNPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	172.00	Section 6: Lots 8, 9, 10, 11, 12, 13, and 14
2	171.16	Section 6: SE/4 SW/4 Section 7: Lots 5, 6, 7, 9, and E/2 NW/4
3	177.18	Section 7: Lot 8 and SE/4 SW/4 Section 18: Lot 1 and E/2 NW/4
4	169.34	Section 18: Lots 2, 3, 4, and E/2 SW/4 Section 19: Lot 1 and NE/4 NW/4
5	166.18	Section 19: Lots 6, 9, 4, SE/4 NW/4, and E/2 SW/4 Section 30: Lot 1
6	187.16	Section 30: Lots 6, 10, 11, 12, 13, and E/2 NW/4

-4-

CASE No. 4032
Order No. R-3669

TOWNSHIP 30 NORTH, RANGE 8 WEST, NMPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	164.28	Section 6: Lots 3, 4, 5, 6, SE/4 NW/4, and NE/4 SW/4
2	166.72	Section 6: Lot 7 and SE/4 SW/4 Section 7: Lots 1, 2, and E/2 NW/4
3	167.32	Section 7: Lots 3, 4, and E/2 SW/4 Section 18: Lot 1 and NE/4 NW/4
4	167.62	Section 18: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4
5	169.64	Section 19: Lots 1, 2, 8, E/2 NW/4, and NE/4 SW/4
6	172.90	Section 19: Lot 9 and SE/4 SW/4 Section 30: Lots 6, 2, and E/2 NW/4
7	154.19	Section 30: Lots 3, 10, 11, and NE/4 SW/4 Section 31: Lots 7 and 8
8	128.31	Section 31: Lots 9, 10, 15, 16, 17, and 18

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	148.69	Section 6: Lots 4, 5, 6, E/2 NW/4, and NE/4 SW/4
2	151.16	Section 6: Lot 7 and SE/4 SW/4 Section 7: Lots 1, 2, and E/2 NW/4
3	150.94	Section 7: Lots 3, 4, and E/2 SW/4 Section 18: Lot 1 and NE/4 NW/4
4	153.45	Section 18: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4

-5-

CASE No. 4032
Order No. R-3669

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPH
(Continued from Page 4)

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
5	155.16	Section 19: Lots 1, 2, 3, E/2 NW/4, and NE/4 SW/4
6	152.48	Section 31: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4

(2) That each well drilled to or completed in the Pictured Cliffs formation on one of the above-described units shall be located not closer than 500 feet to any outer boundary of such unit nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

(3) That Administrative Order No. NWU 3-75 is hereby superseded.


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

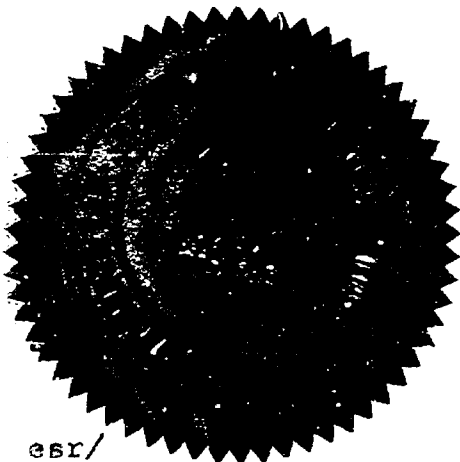
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


ALEX J. ARMIDO, Member


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



esr/

Case 4032

Heard 1-22-69

Rec - 1-22-69.

approve the 26 N.S.P units for
the pictured cliffs formation using
averages shown on Ex #1
do not include units marked
as. R-1390, NWV-72, R-3068 in
order. do include NWV 3-75
for 128.31 as this unit is to be
changed from 175.98 by this order.

These are all necessitated by
irregular correction line sur-
veys.

Thos G. V. P.

OIL CONSERVATION COMMISSION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

January 16, 1969

C
O
P
Y

Mr. Harold Miller
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: Case 4032

Dear Harold:

Here are copies of exhibits showing the
proposed non-standard units for the Aztec and
Blanco-Pictured Cliffs Gas Pools.

Very truly yours,

GEORGE M. HATCH
Attorney

GMH/esr
Enclosures

Union Oil Company of California

1860 Lincoln Street, Denver, Colorado 80203
Telephone (303) 266-3331



Shas
Northern Division

Edw 4032
September 24, 1968

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Attention: Mr. A. R. Kendrick
Engineer, District No. 3

Gentlemen:

Union Oil Company has reviewed your proposed non-standard drilling tracts for Pictured Cliffs production in and near Aztec and Blanco Pictured Cliffs Pools.

Union generally concurs with the drilling tracts as proposed. It is our understanding that the purpose for designating these units is to set forth the orderly development of the Pictured Cliffs in the areas for which the hearing is proposed and that these drilling tracts will be formed to eliminate the necessity of individual hearings in case the operators should determine that it is economically feasible to drill. It is also our understanding that the units are not for the purpose of requiring development, unless it is economically feasible to do so.

It is acceptable to Union to align those proposed drilling tracts in T29N, R8W, which exceed 160 acres, to more nearly approximate 160 acres; however, the tracts as proposed are also acceptable. This holds true for the other areas as proposed.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J. R. Murphey, Jr.".

J. R. Murphey, Jr.
Division Engineer

JRM:gb

cc: Mr. A. L. Porter, Jr. ✓
New Mexico Oil Conservation Commission
Capital Building
Santa Fe, New Mexico

DOCKET MAILED

Date 1-9-69

- CASE 4032: In the matter of the hearing called by the Oil Conservation Commission upon its own motion to consider the establishment of non-standard gas proration units and unorthodox gas well locations, where necessary, in the Aztec and Blanco-Pictured Cliffs Gas Pools in Sections 6, 7, 18, 19, 30, and 31, Townships 29 and 30 North, Ranges 8 and 9 West, San Juan County, New Mexico. Said non-standard units and locations being necessitated by variations in said legal subdivisions of the U. S. Public Land Surveys.
- CASE 4033: Application of Phillips Petroleum Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formations in the perforated interval from 3606 feet to 3740 feet in its Cruces Federal Well No. 5 located in Unit P of Section 26, Township 20 South, Range 34 East, Lynch Yates-Seven Rivers Pool, Lea County, New Mexico.
- CASE 4034: Application of Phillips Petroleum Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formations in the open-hole interval from 3360 feet to 3520 feet in its C. D. Woolworth Well No. 9 located in Unit B of Section 27, Township 24 South, Range 36 East, Jalmat Yates-Seven Rivers Pool, Lea County, New Mexico.
- CASE 4035: Application of Phillips Petroleum Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Grayburg-San Andres formations through its Philmex Well No. 5 located in Unit N of Section 27, Township 17 South, Range 33 East, Maljamar Grayburg-San Andres Pool, Lea County, New Mexico.

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 22, 1969

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

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

- CASE 4013: (Continued and Readvertised)
Application of Redfern Development Corporation and Wil-Mc Oil Corporation for salt water disposal, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the San Andres formation in the interval from approximately 4042 feet to 4179 feet in the Wil-Mc State K Well No. 1 located in Unit O of Section 11, Township 10 South, Range 32 East, Mescalero-San Andres Pool, Lea County, New Mexico.
- CASE 4029: Application of General American Oil Company for a waterflood expansion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its pilot waterflood project in the Grayburg zone of the San Andres formation in the Grayburg-Jackson Pool, Eddy County, New Mexico, authorized by Order No. R-2324, by the conversion to water injection of 13 additional injection wells located in Township 17 South, Ranges 29 and 30 East, Eddy County, New Mexico.
- CASE 4030: Application of Argus Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers formation in the perforated and open-hole interval from approximately 3554 feet to 3775 feet in its J. T. Lynn A-28 Well No. 3, located 2310 feet from the South line and 1650 feet from the East line of Section 28, Township 23 South, Range 36 East, Jalmat Yates-Seven Rivers Pool, Lea County, New Mexico.
- CASE 4031: Application of Texaco Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formations in the open-hole interval from approximately 2964 feet to 3119 feet in its C. W. Shepherd Federal "B" Well No. 5 located in Unit I of Section 1, Township 26 South, Range 36 East, Jalmat Yates-Seven Rivers Pool, Lea County, New Mexico.

N. M. O. C. C. EXHIBIT NO. 1

CASE NO. 4032

The attached plats represent the west half of each of sections 6, 7, 18, 19, 30 and 31 of townships 29 North, Range 8 West; 29 North, Range 9 West; 30 North, Range 8 West; and 30 North, Range 9 West.

The numbers in the left column identify the sections. The next two columns represent lots or quarter-quarter sections with the lot number and acreage of each shown except when the acreage is 40.00 acres.

The acreage tally for each proposed drill tract is shown on the right.

Tracts with prior approval are identified by the authorization number to the left side of the acreage tally.

These tracts are for the Pictured Cliffs formation only.

6	9	8
	11.45	28.64
	10	11
	12.68	30.77
7	13	12
	13.99	33.71
	14	15
	15.33	36.38
18	6	5
	16.18	37.76
	7	8
	16.51	37.83
19	10	9
	16.82	37.90
	11	12
	17.15	37.97
30	1	
	18.17	
	2	
	18.06	
31	3	
	17.96	
	4	
	17.85	
30	1	
	17.85	
	2	
	17.95	
31	3	
	18.05	
	4	
	18.15	
30	1	
	18.00	
	2	
	17.60	
31	3	
	17.20	
	4	
	16.80	
31	6	5
	16.97	40.78
	7	8
	18.34	44.40
31	10	9
	19.76	48.02
	11	12
	21.18	51.64

1 1 4 5
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1 7 5 7 5 *
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1 6 8 0
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R-1390 1 7 1 7 5 *
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R-1390 2 0 3 3 4 *

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	10	11
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31	16	15
	11.13	38.08
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	10.93	38.07

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3 3 0 7
1 1 3 2
3 3 0 8
1 1 1 3
3 3 0 8
1 0 9 3
3 3 0 7

1 0 7 1 0 *

TOWNSHIP 30 NORTH, RANGE 8 WEST

6	4	3
	14.36	40.12
	5	
	14.72	
	6	
	15.08	
	7	
	15.42	
	1	
7	15.62	
	2	
	15.68	
	3	
	15.72	
	4	
	15.78	
	1	
18	15.82	
	2	
	15.84	
	3	
	15.88	
	4	
	15.90	
	1	
19	15.98	
	2	
	16.10	
	8	
	17.56	
	9	
	18.42	
	6	
30	18.16	
	2	
	16.32	
	3	
	16.28	
	10	11
	14.63	35.61
	8	7
31	13.71	33.96
	9	10
	12.98	32.23
	16	15
	12.24	30.56
	17	18
	11.50	28.80

1 4 3 6
4 0 1 2
1 4 7 2
4 0 0 0
1 5 0 3
4 0 0 0

1 6 4 2 8 *
1 5 4 2
4 0 0 0
1 5 5 2
4 0 0 0
1 5 5 8
4 0 0 0

1 6 6 7 2 *
1 5 7 2
4 0 0 0
1 5 7 8
4 0 0 0
1 5 8 2
4 0 0 0

1 6 7 3 2 *
1 5 8 4
4 0 0 0
1 5 8 8
4 0 0 0
1 5 9 0
4 0 0 0

1 6 7 6 2 *
1 5 9 8
4 0 0 0
1 6 1 0
4 0 0 0
1 7 5 6
4 0 0 0

1 6 9 6 4 *
1 8 4 2
4 0 0 0
1 8 1 6
4 0 0 0
1 6 3 2
4 0 0 0

1 7 2 9 0 *
1 5 2 8
4 0 0 0
1 4 6 3
3 5 6 1
1 3 7 1
3 3 0 6

1 5 4 1 9 *
1 2 0 3
3 2 2 3
1 2 2 4
3 0 5 6
1 1 5 0
2 2 2 0

1 0 3 1 *

NW 3-75
175.98

	0	1	2
4	0	0	0
	9	5	5
4	0	0	0
	9	9	4
4	0	0	0

					9 5 6
6	4 9.19	3			4 0 0 0
	5 9.56				9 9 4
	6 9.94				4 0 0 0
	7 10.31				1 4 3 5 7 *
					1 0 3 1
					4 0 0 0
					1 0 4 6
					4 0 0 0
					1 0 3 7
					4 0 0 0
7	1 10.46				1 5 1 1 6 *
	2 10.39				1 0 3 1
					4 0 0 0
	3 10.31				1 0 2 4
					4 0 0 0
	4 10.24				1 0 3 7
					4 0 0 0
18	1 10.39				1 5 0 9 4 *
	2 10.77				1 0 7 7
					4 0 0 0
	3 11.15				1 1 1 5
					4 0 0 0
	4 11.53				1 1 5 3
					4 0 0 0
19	1 11.72				1 5 3 4 5 *
	2 11.72				1 1 7 2
					4 0 0 0
	3 11.72				1 1 7 2
					4 0 0 0
	4 11.72				1 1 7 8
					4 0 0 0
30	1 11.78				1 1 9 0
	2 11.90				4 0 0 0
			R-3068		1 5 5 4 0 *
	3 12.02				1 2 0 2
					4 0 0 0
	4 12.14				1 2 1 4
					4 0 0 0
					1 1 9 2
					4 0 0 0
31	1 11.92				1 5 6 0 3 *
	2 11.38				1 1 3 2
					4 0 0 0
	3 10.82				1 0 2 2
					4 0 0 0
	4 10.28				1 0 2 2
					4 0 0 0

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

June 22, 1955

C
O
P
Y

Aztec Oil and Gas Company
929 Mercantile Securities Building
Dallas 1, Texas

Attention: Mr. Quilman B. Davis

Administrative Order NWU-72

Gentlemen:

Please correct Administrative Order NWU-72 dated May 20, 1955 to read as follows:

Reference is made to your application for approval of a 197.19-acre non-standard gas proration unit in the Aztec-Pictured Cliffs Gas Pool consisting of the following acreage:

Township 29 North, Range 9 West, NMPM
W/2 of Section 31

It is understood that this unit is to be ascribed to your Cain Well No. 4, located 990 feet from the South line and 1480 feet from the West line of Section 31, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico.

By authority granted me under provisions of Rule 6, Section (b) of the Special Rules and Regulations for the Aztec-Pictured Cliffs Gas Pool, as set forth in Order R-565, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with pool rules, based upon the unit size of 197.19 acres.

Very truly yours,

W. B. MACEY,
Secretary-Director

WBM/ir

NWU 3- 75

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
1000 Rio Brazos Road
Aztec, New Mexico 87410
March 18, 1968

El Paso Natural Gas Company
P.O. Box 990
Farmington, New Mexico

RECEIVED

69 MAR 20 PM 1 15

Attention: Mr. Carl Matthews

SUBJECT: NON-STANDARD GAS PRORATION UNIT CONSISTING OF 175.98 ACRES
IN THE Blanco Pictured Cliffs GAS POOL DESCRIBED AS
FOLLOWS:

TOWNSHIP 30 NORTH, RANGE 8 WEST, NMPM
SECTION: 31 West half

By authority granted me by Rule 5(B) of Order No. R-1670, as amended, the
above-described acreage has been approved as a non-standard gas proration
unit to be dedicated to the Howell
Well No. 5, located 1180' from S. line & 870' from W. line of said
Section 31.

Ernest Chavez
District Supervisor
District #3

cc: Oil Conservation Commission
Santa Fe, New Mexico

Handwritten:
Fred
3/27/68

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. 3399
Order No. R-3068

APPLICATION OF TENNECO OIL COMPANY
FOR TWO NON-STANDARD GAS PRORATION
UNITS, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 25, 1966,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 1st day of June, 1966, 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 applicant, Tenneco Oil Company, seeks approval
of the following-described non-standard gas proration units
adjacent to the Blanco-Pictured Cliffs Pool in Township 30 North,
Range 9 West, NMPM, San Juan County, New Mexico:

1. A 155.40-acre unit comprising the SE/4 SW/4
and Lot 4 of Section 19, and the E/2 NW/4
and Lots 1 and 2 of Section 30;
2. A 156.08-acre unit comprising the E/2 SW/4
and Lots 3 and 4 of Section 30, and the NE/4
NW/4 and Lot 1 of Section 31.

(3) That the two above-described non-standard gas proration
units are to be dedicated, respectively, to a well to be drilled
on each of said units.

-2-

CASE No. 3399

Order No. R-3068

(4) That the proposed non-standard gas proration units are necessitated by variations in the legal subdivisions of the United States Public Land Surveys, and can be efficiently and economically drained and developed by said wells.

(5) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the pool, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the following-described non-standard gas proration units adjacent to the Blanco-Pictured Cliffs Pool in Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, are hereby approved:

1. A 155.40-acre unit comprising the SE/4 SW/4 and Lot 4 of Section 19, and the E/2 NW/4 and Lots 1 and 2 of Section 30, to be dedicated to a well to be drilled thereon.
2. A 156.08-acre unit comprising the E/2 SW/4 and Lots 3 and 4 of Section 30, and the NE/4 NW/4 and Lot 1 of Section 31, to be dedicated to a well to be drilled thereon.

(2) 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

JACK M. CAMPBELL, Chairman

GUYTON B. HAYS, Member

S E A L

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

esr/

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. 1642
Order No. R-1390

APPLICATION OF DELHI-TAYLOR OIL
CORPORATION FOR AN AMENDMENT OF
ORDER NOS. R-60, R-1169, AND R-1170
TO CHANGE THE DEDICATED ACREAGE IN
ONE NON-STANDARD GAS PRORATION UNIT
IN THE BLANCO MESAVERDE POOL AND IN
TWO NON-STANDARD GAS PRORATION UNITS
IN THE AZTEC-PICTURED CLIFFS POOL,
SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 22, 1959, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 7th. day of May, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Daniel S. Nutter, 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 by Commission Order No. R-60, the applicant, Delhi-Taylor Oil Corporation, was granted a 340-acre non-standard gas proration unit in the Blanco Mesaverde Pool consisting of the SW/4 of Section 30 and the W/2 of Section 31, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico, said unit being dedicated to the Delhi-Taylor Prichard Well No. 4-T, located 1450 feet from the South line and 790 feet from the West line of said Section 31.

(3) That a recent Cadastral Survey, accepted April 18, 1958, shows the acreage in said non-standard gas proration unit to be 375.09 acres rather than 340 acres.

(4) That by Commission Order No. R-1169, the applicant was granted a 169.42 acre non-standard gas proration unit in the Aztec-

-2-

Case No. 1642
Order No. R-1390

Pictured Cliffs Pool consisting of the SW/4 and the S/2 NW/4 of said Section 31, said unit being dedicated to the Delhi-Taylor Prichard Well No. 4-C, located 1450 feet from the South line and 790 feet from the West line of said Section 31.

(5) That a recent Cadastral Survey, accepted April 18, 1958, shows the acreage in said non-standard gas proration unit to be 203.34 acres rather than 169.42 acres.

(6) That by Commission Order No. R-1170, the applicant was granted a 170.58 acre non-standard gas proration unit in the Aztec-Pictured Cliffs Pool consisting of the SW/4 of said Section 30 and the N/2 NW/4 of said Section 31, said unit being dedicated to the Delhi-Taylor Jones Well No. 3, located 1750 feet from the South line and 1090 feet from the West line of said Section 30.

(7) That a recent Cadastral Survey, accepted April 18, 1958, shows the acreage in said non-standard gas proration unit to be 171.75 acres rather than 170.58 acres.

(8) That the applicant proposes that Order Nos. R-60, R-1169, and R-1170 be amended to change the dedicated acreage in said non-standard gas proration units to conform with the acreage shown by the Cadastral Survey accepted April 18, 1958.

(9) That amendment of the subject orders as requested by the applicant will not cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That Order No. R-60 be and the same is hereby amended to reflect that applicant's non-standard gas proration unit in the Blanco Mesaverde Pool consisting of the SW/4 of Section 30 and the W/2 of Section 31, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico, and dedicated to the Delhi-Taylor Prichard Well No. 4-T, located 1450 feet from the South line and 790 feet from the West line of said Section 31, contains 375.09 acres.

(2) That Order No. R-1169 be and the same is hereby amended to reflect that applicant's non-standard gas proration unit in the Aztec-Pictured Cliffs Pool consisting of the SW/4 and the S/2 NW/4 of said Section 31 and dedicated to the Delhi-Taylor Prichard Well No. 4-C, located 1450 feet from the South line and 790 feet from the West line of said Section 31, contains 203.34 acres.

(3) That Order No. R-1170 be and the same is hereby amended to reflect that applicant's non-standard gas proration unit in the Aztec-Pictured Cliffs Pool consisting of the SW/4 of said Section 30 and the N/2 NW/4 of said Section 31 and dedicated to the Delhi-Taylor Jones Well No. 3, located 1750 feet from the South line and

-3-

Case No. 1642

Order No. R-1390

1090 feet from the West line of said Section 30, contains 171.75 acres.

(4) That the effective date of this order changing the acreage dedicated to the above-described wells shall be May 1, 1959.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JOHN BURROUGHS, Chairman

MURRAY E. MORGAN, Member

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

S E A L

lr/

GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission

100 SEP 3 AM 8 10

LAND COMMISSIONER
GUYTON B. HAYS
MEMBER



1000 RIO BRAZOS ROAD
AZTEC

August 30, 1968

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

Case 4032

Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

We plan to ask for a hearing soon to establish several non-standard drill tracts for Pictured Cliffs production in and near the Aztec and Blanco Pictured Cliffs Pools.

The attached plats represent the west half of each of sections 6, 7, 18, 19, 30 and 31 of townships 29 north, 8 west; 29 north, 9 west; 30 north, 8 west and 30 north, 9 west.

The numbers in the first column identify the sections. The next two columns represent lots or quarter-quarter sections with the lot number and acreage of each shown except when the acreage is 40.00 acres.

The acreage tally for each proposed drill tract is shown on the right.

Tracts which have prior approval are identified.

Please examine these carefully at your earliest convenience.

We welcome your comments and suggestions.

Yours very truly,

A. R. Kendrick
A. R. Kendrick
Engineer, District #3

ARK:mc

Attachments

*If proposed
these exhibits have been
replaced or refused by other
exhibits
Hig*

TOWNSHIP 29 NORTH, RANGE 8 WEST

6	9	8	1 1 4 5
	11.45	28.64	2 3 6 4
	10	11	1 2 6 8
	12.68	30.77	3 0 7 7
	13	12	1 3 9 9
7	13.99	33.71	3 3 7 1
	14	15	1 5 5 3
	15.33	36.38	3 6 3 8
	16	5	1 6 1 8
	16.18	37.76	1 9 9 1 3 *
18	7	8	3 7 7 6
	16.51	37.83	1 6 5 1
	10	9	3 7 8 3
	16.82	37.90	1 6 8 2
	11	12	3 7 9 0
19	17.15	37.97	1 7 1 5
	1		3 7 9 7
	18.17		2 0 1 9 4 *
	2		1 3 1 7
	18.06		4 0 0 0
30	3		1 3 0 6
	17.96		4 0 0 0
	4		1 7 9 6
	17.85		4 0 0 0
	1		1 7 8 5
31	17.85		1 9 2 0 4 *
	2		4 0 0 0
	17.95		1 7 8 5
	3		4 0 0 0
	18.05		1 7 9 5
30	4		4 0 0 0
	18.15		1 7 9 5
	1		4 0 0 0
	18.00		4 0 0 0
	2		4 0 0 0
31	17.60		1 9 5 8 0 *
	3		1 3 0 5
	17.20		1 3 1 5
	4		4 0 0 0
	16.80		1 9 0 0
31	6	5	4 0 0 0
	16.97	40.78	1 7 5 0
	7	8	4 0 0 0
	18.34	44.40	1 6 9 7
	10	9	4 0 7 0
31	19.76	48.02	1 7 1 7 5 *
	11	12	1 3 3 4
	21.18	51.64	4 4 4 0
			1 9 7 6
			4 3 0 2
			2 1 1 2
			5 1 6 4
			2 0 3 3 4 *

ESTABLISHED BY
ORDER R-1390

Case 4032

TOWNSHIP 29 NORTH, RANGE 9 WEST

6	9	8	1 0 3 0
	10.30	40.70	4 0 7 0
	10	11	1 0 8 3
	10.83	42.17	4 2 1 7
7	13	12	1 1 5 1
	11.51	44.20	4 4 2 0
	14		1 2 2 0
	12.29		1 7 2 0 0 *
18	5	4	4 0 0 0
	12.29	40.00	1 2 2 0
	6		4 0 0 0
	12.55		1 2 5 5
19	7	8	4 0 0 0
	13.02	44.95	1 2 5 5
	9		4 0 0 0
	13.30		1 3 0 2
30	1		1 3 3 0
	12.23		1 7 1 1 6 *
	2		4 4 9 5
	12.31		4 0 0 0
31	3		1 2 2 3
	12.37		4 0 0 0
	4		4 0 0 0
	12.45		1 2 2 1
30	1		4 0 0 0
	12.21		1 6 9 3 4 *
	6		1 2 8 3
	12.83		4 0 0 0
31	9		1 2 2 4
	12.24		4 0 0 0
	4		1 2 5 7
	12.57		4 0 0 0
30	1		1 0 5 2
	10.52		1 6 8 1 6 *
	6		4 0 0 0
	10.47		1 0 4 7
31	11	10	4 0 0 0
	10.55	38.47	1 0 5 5
	12	13	3 8 4 7
	11.49	38.18	1 1 4 0
31	8	7	3 8 1 8
	11.51	38.07	1 9 0 1 6 *
	9	10	1 1 5 1
	11.32	38.08	3 8 0 7
31	16	15	1 1 3 2
	11.13	38.08	3 8 0 8
	17	18	1 1 1 3
	10.93	38.07	3 8 0 8

ESTABLISHED BY
NWU-72

Case 4032

TOWNSHIP 30 NORTH, RANGE 8 WEST

6	4	3
	14.36	40.12
	5	
	14.72	
7	6	
	15.08	
	7	
	15.42	
18	1	
	15.62	
	2	
	15.68	
19	3	
	15.72	
	4	
	15.78	
30	1	
	15.82	
	2	
	15.84	
31	3	
	15.88	
	4	
	15.90	
31	1	
	15.98	
	2	
	16.10	
31	3	
	17.56	
	9	
	18.42	
31	6	
	18.16	
	2	
	16.32	
31	3	
	16.28	
	10	11
	14.63	35.61
31	8	7
	13.71	33.96
	9	10
	12.98	32.23
31	16	15
	12.24	30.56
	17	18
	11.50	28.80

ESTABLISHED BY
N.J.U. 3-75



1 4 3 6
4 0 1 2
1 4 7 2
4 0 0 0
1 5 0 8
4 0 0 0
1 5 4 2

1 7 9 7 0 *

4 0 0 0
1 5 6 2
4 0 0 0
1 5 6 8
4 0 0 0
1 5 7 2
1 5 7 8

1 8 2 8 0 *

4 0 0 0
4 0 0 0
1 5 8 2
4 0 0 0
1 5 8 4
4 0 0 0

1 9 1 6 6 *

1 5 8 8
4 0 0 0
1 5 9 0
4 0 0 0
1 5 9 8
4 0 0 0
1 6 1 0

1 8 3 8 6 *

4 0 0 0
1 7 5 6
4 0 0 0
1 8 4 2
4 0 0 0
4 0 0 0

1 9 5 9 8 *

1 8 1 6
1 6 3 2
4 0 0 0
1 6 2 8
4 0 0 0
1 4 6 3
3 8 5 1

1 0 1 0 0 *

1 8 7 1
3 3 9 5
1 2 0 0
3 2 2 3
1 2 2 4
3 0 5 6
1 1 5 0
2 8 8 0

1 7 5 9 3 *

Case 4032

ESTABLISHED BY
ORDER R-3068

6	4	9.19
	5	9.56
	6	9.94
	7	10.31
7	1	10.46
	2	10.39
	3	10.31
	4	10.24
18	1	10.39
	2	10.77
	3	11.15
	4	11.53
19	1	11.72
	2	11.72
	3	11.72
	4	11.72
30	1	11.78
	2	11.90
	3	12.02
	4	12.14
31	1	11.92
	2	11.38
	3	10.82
	4	10.28

9 1 2
4 0 0 0
9 5 6
4 0 0 0
9 9 4
4 0 0 0

1 4 3 6 9 *
1 0 3 1
4 0 0 0
1 0 4 6
4 0 0 0
1 0 3 2
4 0 0 0

1 5 1 1 6 *
1 0 3 1
4 0 0 0
1 0 2 4
4 0 0 0
1 0 3 9
4 0 0 0

1 5 0 9 4 *
1 0 7 7
4 0 0 0
1 1 1 5
4 0 0 0
1 1 5 3
4 0 0 0

1 5 3 4 5 *
1 1 7 2
4 0 0 0
1 1 7 2
4 0 0 0
1 1 7 2
4 0 0 0

1 5 5 1 6 *
1 1 7 2
4 0 0 0
1 1 7 8
4 0 0 0
1 1 9 0
4 0 0 0

1 5 5 4 0 *
1 2 0 2
4 0 0 0
1 2 1 4
4 0 0 0
1 1 9 2
4 0 0 0

1 5 6 0 8 *
1 1 3 9
4 0 0 0
1 0 8 2
4 0 0 0
1 0 8 3
4 0 0 0

1 5 2 4 3 *

Case 4032

GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

1000 RIO BRAZOS ROAD
AZTEC

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

December 16, 1968

Mr. George Hatch
N. M. O. C. C.
PO Box 2088
Santa Fe, New Mexico 87501

Case 4652

Dear George,

Please set up a case for non-standard drill tracts for Pictured Cliffs production in sections 6, 7, 18, 19, 30 and 31 in each of Townships 29 North, Range 8 West; 29 North, Range 9 West; 30 North, Range 8 West; and 30 North, Range 9 West, N. M. P. M. per the enclosed exhibit.

Those with prior approval have been marked and identified on the attached plats.

Also, since we are forming the drill tracts, I think we should set up an exception to Rule 104, B, 11, (a) or Order R- 1670, Rule 2, whichever is applicable, for these tracts. These rules require a gas well to be drilled 790 feet from the outer boundary of the drill tract. In most cases, the tracts are too narrow for this to be possible.

We issued NWU 3- 75 for the entire W/2 of section 31, 30N, 8W for 175.98 acres. One El Paso man said that his department would prefer that the administrative order be over-ruled and the tracts set up as per this exhibit. El Paso owns most of the acreage affected in 30N, 8W.

[Townships 29N, 8W and 30N, 8W have been changed from those shown with my letter of August 30, 1968.]

Copies of letters in reply to my letter of August 30, 1968, are enclosed.

If there are questions please contact us.

Yours very truly,

A. R. Kendrick
A. R. Kendrick
Engineer Dist. #3

ARK/me

Encl: 1 exhibit
2 letters

N. M. O. C. C. EXHIBIT NO. 1

CASE NO. 4032

The attached plats represent the west half of each of sections 6, 7, 18, 19, 30 and 31 of townships 29 North, Range 8 West; 29 North, Range 9 West; 30 North, Range 8 West; and 30 North, Range 9 West.

The numbers in the left column identify the sections. The next two columns represent lots or quarter-quarter sections with the lot number and acreage of each shown except when the acreage is 40.00 acres.

The acreage tally for each proposed drill tract is shown on the right.

Tracts with prior approval are identified by the authorization number to the left side of the acreage tally.

These tracts are for the Pictured Cliffs formation only.

Dependent Recovery

6	9	11.45	8	28.64
	10	12.68	11	30.77
	13	13.99	12	33.71
	14	15.33	15	36.38
7	6	16.18	5	37.76
	7	16.51	8	37.83
	10	16.82	9	37.90
	11	17.15	12	37.97
18	1	18.17		
	2	18.06		
	3	17.96		
	4	17.85		
19	1	17.85		
	2	17.95		
	3	18.05		
	4	18.15		
30	1	18.00		
	2	17.60		
	3	17.20		
	4	16.80		
31	6	16.97	5	40.78
	7	18.34	8	44.40
	10	19.76	9	48.02
	11	21.18	12	51.64

1	1	4	5
2	2	5	4
1	2	6	3
3	0	7	7
1	3	9	0
3	3	7	1
1	3	1	2
1	5	3	3
3	6	3	2
1	6	1	3
5	7	7	6
1	6	5	1
3	7	2	3
1	5	9	9
1	6	2	2
3	7	9	0
1	7	1	5
3	7	9	7
1	2	1	7
4	0	0	0
1	6	3	0
1	2	0	6
4	0	0	0
1	7	9	6
4	0	0	0
1	7	2	5
4	0	0	0
1	7	5	8
1	7	2	5
4	0	0	0
1	7	9	5
4	0	0	0
1	3	0	5
4	0	0	0
1	7	5	8
1	2	1	5
4	0	0	0
1	3	0	0
4	0	0	0
1	7	5	0
4	0	0	0
1	7	3	7
1	7	2	0
4	0	0	0
1	6	9	0
4	0	0	0
1	6	0	7
4	0	7	2
1	7	1	7
1	2	3	4
4	4	1	0
1	0	7	6
4	3	0	2
2	1	1	3
5	1	6	4
5	0	0	0

R-1390

R-1390

Case 4032

A

6	9 ✓	8 ✓
	10.30	40.70
	10 L	11 ✓
	10.83	42.17
7	13 ✓	12 ✓
	11.51	44.20
	14 ✓	
	12.29	
18	5 ✓	
	12.29	
	6 ✓	
	12.55	
19	7 L	8 ✓
	13.02	44.94 44.95
	9 ✓	
	13.30	
30	1 ✓	
	12.23	
	2 ✓	
	12.31	
31	3 ✓	
	12.37	
	4 ✓	
	12.45	
32	1 ✓	
	12.21	
	6 ✓	
	12.83	
33	9 ✓	
	12.24	
	4 ✓	
	12.57	
34	1 ✓	
	10.52	
	6 ✓	
	10.47	
35	11 ✓	10 ✓
	10.55	38.47 38.47
	12 ✓	13 ✓
	11.49	38.18
36	8 ✓	7 ✓
	11.51	38.07
	9 ✓	10 ✓
	11.32	38.03
37	16 ✓	15 ✓
	11.13	38.08
	17 ✓	18 ✓
	10.93	38.07

1 0 3 0
4 0 7 0
1 0 0 3
4 2 1 7
1 1 5 1
4 4 2 0
1 2 2 2

1 7 2 0 0 *
4 0 0 0
1 2 2 2
4 0 0 0
1 2 5 5
4 0 0 0
1 3 0 3
1 3 3 0

1 7 1 1 6 *
4 4 9 5
4 0 0 0
1 2 2 3
4 0 0 0
4 0 0 0

1 7 7 1 3 *
1 2 3 1
1 2 3 7
4 0 0 0
1 2 4 5
4 0 0 0
1 2 3 1
4 0 0 0

1 0 9 3 4 *
1 2 3 3
4 0 0 0
1 2 2 4
4 0 0 0
1 2 5 7 10.57
4 0 0 0
1 0 5 2 10.54

1 6 9 1 6 * 166.18
4 0 0 0
1 0 4 7
4 0 0 0
1 0 5 5
3 3 4 7 38.97
1 1 4 0
3 3 1 3

1 2 0 1 6 * 197.16
1 1 5 1
3 3 0 7
1 1 3 2
3 3 0 3
1 1 1 3
3 3 0 0
1 0 0 3
3 3 0 7

1 9 7 1 0 *

6	4	3
	14.36	40.12
	5	
	14.72	
	6	
	15.08	
	7	
	15.42	
7	1	
	15.62	
	2	
	15.68	
	3	
	15.72	
	4	
	15.78	
18	1	
	15.82	
	2	
	15.84	
	3	
	15.88	
	4	
	15.90	
19	1	
	15.98	
	2	
	16.10	
	8	
	17.56	
	9	
	18.42	
30	6	
	18.16	
	2	
	16.32	
	3	
	16.28	
	10	11
	14.63	35.61
31	8	7
	13.71	33.96
	9	10
	12.98	32.23
	16	15
	12.24	30.56
	17	18
	11.50	28.80

1 4 3 6
 2 0 1 2
 1 4 7 2
 4 0 0 0
 1 5 0 3
 4 0 0 0

1 6 4 2 3 *
 1 5 4 2
 4 0 0 0
 1 5 6 2
 4 0 0 0
 1 5 6 3
 4 0 0 0

1 6 6 7 2 *
 1 5 7 2
 4 0 0 0
 1 5 7 3
 4 0 0 0
 1 5 8 2
 4 0 0 0

1 6 7 3 2 *
 1 5 8 4
 4 0 0 0
 1 5 8 8
 4 0 0 0
 1 5 9 0
 4 0 0 0

1 6 7 6 2 *
 1 5 9 3
 4 0 0 0
 1 6 1 0
 4 0 0 0
 1 7 5 6
 4 0 0 0

1 6 9 6 4 *
 1 9 4 2
 4 0 0 0
 1 3 1 6
 4 0 0 0
 1 6 3 2
 4 0 0 0

1 7 2 9 0 *
 1 6 2 2
 4 0 0 0
 1 4 6 3
 7 5 6 1
 1 3 7 1
 3 3 9 6

1 5 4 1 9 *
 1 2 0 3
 3 2 2 3
 1 2 2 4
 3 0 7 6
 1 1 5 0
 2 2 2 0

1 2 3 3 1 *

Page 46.32 C

TOWNSHIP 30 NORTH, RANGE 9 WEST

6	4 ✓	
	9.19	
	5 ✓	
	9.56	
	6 ✓	
	9.94	
	7 ✓	
	10.31	
7	1 ✓	
	10.46	
	2 ✓	
	10.39	
	3 ✓	
	10.31	
	4 ✓	
	10.24	
18	1 ✓	
	10.39	
	2 ✓	
	10.77	
	3 ✓	
	11.15	
	4 ✓	
	11.53	
19	1 ✓	
	11.72	
	2 ✓	
	11.72	
	3 ✓	
	11.72	
	4 ✓	
	11.72	
30	1 ✓	
	11.78	
	2 ✓	
	11.90	
	3 ✓	
	12.02	
	4 ✓	
	12.14	
31	1 ✓	
	11.92	
	2 ✓	
	11.38	
	3 ✓	
	10.82	
	4 ✓	
	10.28	

0 1 2
4 0 0 0
0 5 6
4 0 0 0
0 9 4
4 0 0 0

1 4 3 6 2 *
1 0 3 1
4 0 0 0
1 0 4 6
4 0 0 0
1 0 3 2
4 0 0 0

1 5 1 1 6 *
1 0 3 1
4 0 0 0
1 0 2 4
4 0 0 0
1 0 3 2
4 0 0 0

1 5 0 9 4 *
1 0 7 7
4 0 0 0
1 1 1 5
4 0 0 0
1 1 5 3
4 0 0 0

1 5 3 4 5 *
1 1 7 2
4 0 0 0
1 1 7 2
4 0 0 0
1 1 7 2
4 0 0 0

1 5 5 1 6 *
1 1 7 2
4 0 0 0
1 1 7 8
4 0 0 0
1 1 9 0
4 0 0 0

R-3068 1 5 5 4 0 *
1 2 0 2
4 0 0 0
1 2 1 4
4 0 0 0
1 1 0 2
4 0 0 0

R-3068 1 5 6 0 8 *
1 1 3 3
4 0 0 0
1 0 0 2
4 0 0 0
1 0 2 0
4 0 0 0

1 5 0 4 3 *
D
4632

Union Oil Company of California
1860 Lincoln Street, Denver, Colorado 80203
Telephone (303) 266-3331



Northern Division

September 24, 1968



New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Attention: Mr. A. R. Kendrick
Engineer, District No. 3

Gentlemen:

Union Oil Company has reviewed your proposed non-standard drilling tracts for Pictured Cliffs production in and near Aztec and Blanco Pictured Cliffs Pools.

Union generally concurs with the drilling tracts as proposed. It is our understanding that the purpose for designating these units is to set forth the orderly development of the Pictured Cliffs in the areas for which the hearing is proposed and that these drilling tracts will be formed to eliminate the necessity of individual hearings in case the operators should determine that it is economically feasible to drill. It is also our understanding that the units are not for the purpose of requiring development, unless it is economically feasible to do so.

It is acceptable to Union to align those proposed drilling tracts in T29N, R8W, which exceed 160 acres, to more nearly approximate 160 acres; however, the tracts as proposed are also acceptable. This holds true for the other areas as proposed.

Very truly yours,

A handwritten signature in dark ink, appearing to read "J. R. Murphey, Jr.".

J. R. Murphey, Jr.
Division Engineer

JRM:gb

cc: Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
Capital Building
Santa Fe, New Mexico

Enc 4032

PAN AMERICAN PETROLEUM CORPORATION

SECURITY LIFE BUILDING

DENVER, COLORADO 80202

PRODUCING DEPARTMENT
H. T. HUNTER
DIVISION PRODUCTION
MANAGER

DISTRICT SUPERINTENDENTS
W. M. JONES
A. E. PIPER
T. M. CURTIS
JOINT INTEREST
SUPERINTENDENT
S. B. RICHARDS

September 30, 1968

File: AMR-2279-986.511

Re: Non-standard Drilling Tracts
Aztec & Blanco Pictured Cliffs Fields
San Juan County, New Mexico

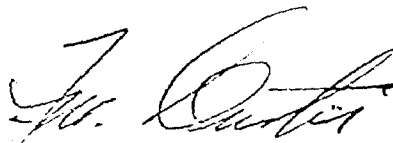
Mr. A. R. Kendrick
Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Dear Mr. Kendrick:

This refers to your letter of August 30, 1968, to our Farmington, New Mexico, office concerning the establishment of non-standard drilling tracts for Pictured Cliffs production in the Aztec and Blanco Pictured Cliffs Pools.

We have reviewed your proposed non-standard drilling tracts, which are necessitated by the existence of non-standard sections on the west edges of Ranges 8 west and 9 west, townships 29 and 30 north, and have no objections.

Very truly yours,



Case 4632

DRAFT

GMH/esr

January 23, 1969

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

*Sub
AJP*
~~IN=THE=MATTER=OF=THE=HEARING
CALLED=BY=THE=OIL=CONSERVATION
COMMISSION=OF=NEW=MEXICO=FOR
THE=PURPOSE=OF=CONSIDERING:~~

RECORDS CENTER & LAW LIBRARY

CASE No. 4032

Order No. R- 2669

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION TO CONSIDER THE ESTABLISHMENT OF NON-STANDARD GAS PRORATION UNITS AND UNORTHODOX GAS WELL LOCATIONS, WHERE NECESSARY, IN THE AZTEC AND BLANCO-PICTURED CLIFFS GAS POOLS IN SECTIONS 6, 7, 18, 19, 30, AND 31, TOWNSHIPS 29 AND 30 NORTH, RANGES 8 AND 9 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 22, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this _____ day of January, 1969, 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 due to variations in legal subdivisions of the U. S. Public Land Surveys along the west sides ~~of Sections 6, 7, 18, 19, 30, and 31~~ of Township 29 North, Range 8 West, ~~of Sections 6, 7, 18, 19, 30, and 31~~ of Township 29 North, Range 9 West, ~~of Sections 6, 7, 18, 19, 30, and 31~~ of Township 30 North, Range 8 West, ~~of Sections 6, 7, 18, 19, 30, and 31~~ of Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, the west halves *Sections 6, 7, 18, 19, 30, and 31 in each of said townships* of ~~said Sections~~ are irregular in size.

(3) That said irregularity in size precludes the establishment of standard 160-acre drilling and proration units.

(4) That said irregularity in size precludes the drilling of wells at locations prescribed for standard 160-acre units.

(5) That the principal gas producing formation in the area is the Pictured Cliffs.

(6) That a standard gas proration unit in the Pictured Cliffs formation in the area of the subject sections is 160 acres.

(7) That the principal gas producing pools in the subject area are the Aztec-Pictured Cliffs Gas Pool and the Blanco-Pictured Cliffs Gas Pool.

(8) That the applicable rules provide that gas wells in the Aztec-Pictured Cliffs and Blanco-Pictured Cliffs Gas Pools be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

(9) That in order to ensure systematic development and thereby prevent waste and protect correlative rights, non-standard gas proration units approximating 160 acres each should be established for the Pictured Cliffs formation along the west side of the subject sections.

(10) That gas wells drilled on said units should be located not closer than 500 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

(11) That Administrative Order No. NWU 3-75, dated March 18, 1968, approved a non-standard gas proration unit in the Blanco-Pictured Cliffs Gas Pool comprising the W/2 of Section 31, Township 30 North, Range 8 West, NMPM, San Juan County, New Mexico.

(12) That Administrative Order No. NWU 3-75 should be superseded by this order.

IT IS THEREFORE ORDERED:

(1) That the following-described non-standard gas spacing and proration units in the Pictured Cliffs formation, San Juan County, New Mexico, are hereby established:

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	131.24	Section 6: Lots 8, 9, 10, 11, and 12
2	159.99	Section 6: Lots 14 and 15 Section 7: Lots 5, 6, 7, and 8
3	168.01	Section 7: Lots 9, 10, 11, and 12 Section 18: Lot 1 and NE/4 NW/4
4	173.87	Section 18: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4
5	173.85	Section 19: Lots 1, 2, 3, E/2 NW/4, and NE/4 SW/4
6	173.75	Section 19: Lot 4 and SE/4 SW/4 Section 30: Lots 1, 2, and E/2 NW/4

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	172.00	Section 6: Lots 8, 9, 10, 11, 12, 13, and 14
2	171.16	Section 6: SE/4 SW/4 Section 7: Lots 5, 6, 7, 9, and E/2 NW/4
3	177.18	Section 7: Lot 8 and SE/4 SW/4 Section 18: Lot 1 and E/2 NW/4
4	169.34	Section 18: Lots 2, 3, 4, and E/2 SW/4 Section 19: Lot 1 and NE/4 NW/4
5	166.18	Section 19: Lots 4, 6, 9, SE/4 NW/4, and E/2 SW/4 Section 30: Lot 1
6	<u>177.16</u>	Section 30: Lots 6, 10, 11, 12, 13, and E/2 NW/4

TOWNSHIP 30 NORTH, RANGE 8 WEST, NMPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	164.28	Section 6: Lots 3, 4, 5, 6, SE/4 NW/4, and NE/4 SW/4
2	166.72	Section 6: Lot 7 and SE/4 SW/4 Section 7: Lots 1, 2, and E/2 NW/4
3	167.32	Section 7: Lots 3, 4, and E/2 SW/4 Section 18: Lot 1 and NE/4 NW/4
4	167.62	Section 18: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4
5	169.64	Section 19: Lots 1, 2, 8, E/2 NW/4, and NE/4 SW/4
6	172.90	Section 19: Lot 9 and SE/4 SW/4 Section 30: Lots ^{4, 2} 2, 6 , and E/2 NW/4
7	154.19	Section 30: Lots 3, 10, 11, and NE/4 SW/4 Section 31: Lots 7 and 8
8	128.31	Section 31: Lots 9, 10, 15, 16, 17, and 18

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

<u>Unit</u>	<u>Acres</u>	<u>Description</u>
1	148.69	Section 6: Lots 4, 5, 6, E/2 NW/4, and NE/4 SW/4
2	151.16	Section 6: Lot 7 and SE/4 SW/4 Section 7: Lots 1, 2, and E/2 NW/4
3	150.94	Section 7: Lots 3, 4, and E/2 SW/4 Section 18: Lot <u> / </u> and NE/4 NW/4
4	153.45	Section 18: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4
5	155.16	Section 19: Lots 1, 2, 3, E/2 NW/4, and NE/4 SW/4
6	152.48	Section 31: Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4

(2) That each well drilled ^{to} or completed ^{in the Pictured Cliffs formation} on one of the above-described units shall be located not closer than 500 feet to any outer boundary of such unit nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

-5-

CASE No. 4032

(3) That Administrative Order No. NWU 3-75 is hereby superseded.

(4) 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.