



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 997
Roswell, New Mexico

June 18, 1951

AIR MAIL

Mr. R. R. Spurrier
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Spurrier:

Reference is made to Case No. 284 to be heard by the Commission on June 21, 1951, based on its own motion, for the extension, correction, consolidation or establishment of oil or gas pools. I note that among other pools you intend to correct previous orders of the Commission and consolidate North Drinkard and Drinkard pools and the Bough and East Bough pools.

While you are on the general subject of corrections, I wish to call to your attention several other pool definitions which appear to need some amendment for clarification of the records:

(1) Order No. R-46, Case No. 237.

Reference is made in this order to a NW LaPlata (Mesaverde) pool. The records of this office do not disclose any definition for a NW LaPlata pool. We do have the Commission's definition of the LaPlata and South LaPlata pools. Unless the Commission has taken action of which we are not aware, it would appear that the NW LaPlata (Mesaverde) pool should be deleted from Order No. R-46.

Incidentally, on the basis of subsequent development, the several LaPlata pools have now been established to be a single pool continuous with the Blanco pool and, on the basis of advice from Washington this morning, it is the intention of this office to set up for record purposes of the Geological Survey, a single Blanco-LaPlata pool.

(2) Order No. R-54, Case No. 253.

This order, among others, extends the North Maljamar pool to include the SE¹/₄ sec. 31 and S¹/₂ sec. 32,

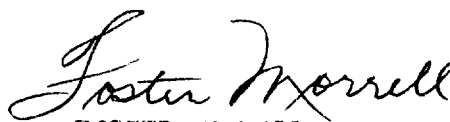
T. 16 S., R. 32 E. By reference to the pool definition listed under Appendix A of your Rules and Regulations effective January 1950, you will note that the SE $\frac{1}{4}$ sec. 31 and the W $\frac{1}{2}$ sec. 32, T. 16 S., R. 32 E. already are included in the Robinson pool for Grayburg-San Andres production. A conflict thus occurs and it is suggested that you may wish to delete the first above described lands from the extension of the North Maljamar pool.

(3) Order No. R-55, Case No. 263.

This order extended, among other pools, the Bagley-Siluro-Devonian pool. The extension embracing the W $\frac{1}{2}$ sec. 3 and E $\frac{1}{2}$ sec. 4 is shown on your order as in T. 12 S., R. 34 E. The range should be changed from 34 E. to 33 E.

(4) Order No. 76, Case No. 272.

This order created, among other pools, the McMillan-Seven Rivers pool for Seven Rivers production to include the S $\frac{1}{2}$ W $\frac{1}{2}$, SW $\frac{1}{4}$ sec. 32, SE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 31, T. 19 S., R. 32 E. The range is obviously an error and should be 27 E. Furthermore, you will note that under the pool definition included in Appendix A of the Rules and Regulations effective January 1950, the McMillan pool, which was originally established to embrace Seven Rivers as well as Queen production, already included the E $\frac{1}{2}$ sec. 31, T. 19 S., R. 27 E. A conflict thus exists. Inasmuch as production is obtained from the same common reservoir, it would appear to be more appropriate to extend the presently existing McMillan pool established for Seven Rivers-Queen production to include the W $\frac{1}{2}$ sec. 32, T. 19 S., R. 27 E., and, at the same time, extend the pool to embrace the W $\frac{1}{2}$ sec. 5 and NW $\frac{1}{4}$ sec. 8, T. 20 S., R. 27 E., based on other newly completed producing wells in that area. The effect of this suggestion would be to delete or amend the action taken in Order No. R-76.



FOSTER MORRELL
Regional Oil and Gas Supervisor

STATE OF NEW MEXICO
OFFICE OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

July 9, 1951

C
O
P
Y
Mr. Foster Morrell
Regional Oil and Gas Supervisor
U. S. Geological Survey
P. O. Box 997
Roswell, New Mexico

Dear Mr. Morrell:

I have before me two letters - one dated April 23, 1951 which was addressed to Don McCormick and another dated May 21, 1951, both referring to the Mesaverde production in the area from the La Plata to Largo pools, San Juan County, New Mexico. Since some of the comments of the April 23 letter and the directive of May 21 differ in some detail from the orders and policies of the Oil Conservation Commission, there are a few comments which I should like to place in the record.

The Largo-Mesaverde Pool of San Juan County, New Mexico was established by an order dated April 27, 1950. This order is known as R-16 and is the order promulgated from the hearing of Case 214. The Largo pool was extended by Order R-67 Case 262 from a hearing held March 20, 1951. This hearing was set for reason of application by Byrd-Frost, Inc., and testimony was presented by Joe Gordon of that company. The La Plata pool was established by the Oil Conservation Commission Order No. R-31 following the hearing of Case No. 233. However, the La Plata pool was first recommended by the then-existing Northwestern Nomenclature Committee of which you were a member, in October, 1949. Through an error in writing Order No. R-13, Case No. 213, the La Plata pool was omitted, but should have been included and would have become a pool by Commission definition upon the 15th day of March, 1950.

The Commission has for a considerable time realized that there probably existed a connection between the La Plata, Blanco and Largo pools, of the Mesaverde formation. However, the nomenclature committee of Northwestern New Mexico and the nomenclature committee

of southeastern New Mexico had both made it a policy to reserve the connection of two pools which appeared to join each other until the actual offsets had been drilled. This policy has proven practical in the past and the Commission did not see fit to change the policy with reference to the Largo and Blanco pools. It is now evident, however, that these pools - that is, the Blanco and Largo pools - are interconnected without much question, and the Commission is therefore setting a hearing down for July 24 for the purpose of taking testimony to determine the limits of the Blanco pool, with its possible and probable interconnection with the Largo and La Plata pools.

Referring to the fifth paragraph of your April 23 letter, you say (referring to the La Plata pool): "This is the pool name used for production being withdrawn from the area by Southern Union Gas Company. As the name was already sufficiently in the record, its retention is recommended." As already indicated above, the Largo and La Plata pools should both have been included in the Order R-13 dated March 15, 1950. Actually the Largo pool was created on April 27, 1950, and the La Plata pool was created by Order R-31 dated August 24, 1950. Practically speaking, the names and the pools have been in existence about the same length of time. The record of Case 262 shows that Joe Gordon of Byrd-Frost Inc. asked for and recommended the extension of the Largo pool and the retention of the name 'Largo'.

In the sixth paragraph of your April 23 letter you say, "During discussion with Mr. Joe Gordon of Byrd-Frost, Inc., after the hearing of March 20, it was informally agreed that the term Largo would be best retained by Byrd-Frost, Inc. for use in connection with a proposed unit agreement involving their holdings in the Blanco area and that the term Blanco be applied to the Mesa Verde reservoir as a whole." It is, of course, a duty of the Commission to promulgate orders from the transcribed testimony taken during its open hearings. It is therefore necessary that the Commission call a hearing to accomplish what you have suggested in the seventh paragraph of your letter - namely "It is suggested that the term Largo be deleted from pool definitions heretofore established by the Oil Conservation Commission and that the name Blanco be applied to the Mesa Verde reservoir as suggested herein."

In the recent past, the Oil Conservation Commission has made various errors in the matter of nomenclature of the various pools all over the State of New Mexico. This we feel, in all fairness to the Commission, is due to the fact that the Commission has been forced to take over the

considerable amount of work which was formerly accomplished by the two nomenclature committees. We believe this situation is being rapidly corrected and we would appreciate any and all corrections submitted to us in writing at any time as noted by anyone. We also feel that in line with the hearing procedures of the Oil Conservation Commission, that the supervisor and any of his subordinates in the USGS for oil and gas in New Mexico should make recommendations at the time a case is being heard as is required of all individuals, persons, corporations and agencies.

However, a letter written to the Commission with a request contained therein for the contents to be included in the record of a case will be read into the case and gratefully accepted if it is possible that the letter can reach this office before a hearing or before an order is promulgated.

Very truly yours,

R. R. SPURRIER,
Secretary-Director

RRS/ir

cc: Mr. Al Greer - Oil Conservation Commission, Aztec, New Mexico
Mr. P. T. McGrath - USGS - Farmington, New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 997
Roswell, New Mexico

May 21, 1951

TO OIL AND GAS LESSEES AND OPERATORS OF FEDERAL
LANDS IN THE BLANCO AREA, SAN JUAN COUNTY, NEW MEXICO.

The Director of the Geological Survey has heretofore determined for administrative purposes that the Blanco gas field was established and extended by the completion of gas wells in the Mesaverde formation in the area extending from T. 27 N., R. 8 W., through T. 31 N., R. 10 W.

In connection with a recent gas well completion in Sec. 21, T. 28 N., R. 8 W., the Director stated that "this completion is deemed to establish an important southeastern extension to the Blanco gas field. This southeastern gas area is at present called the Largo field, but it appears that Blanco and Largo are interconnected and the earlier designation of Blanco is being assigned to the entire area." This action discontinues the use of "Largo" as a field name for records of the Geological Survey.

Accordingly, you are hereby directed pursuant to 30 C.F.R. 221.57 to use the pool name "Blanco" on all well and production reports (including forms 9-329, 9-330, 9-331a, 9-361), hereafter submitted to the Geological Survey pursuant to the oil and gas operating regulations for wells drilled to and completed in the Mesaverde formation on Federal leases within the area described as follows:

N. M. P. M. T. 27 N., R. 7 W.,	Secs. 1 to 10, inclusive, all Secs. 16 to 20, inclusive, all Sec. 30, all
T. 27 N., R. 8 W.,	Secs. 1 to 5, inclusive, all Secs. 9 to 15, inclusive, all Secs. 23 & 24, all
T. 28 N., Rs. 7 & 8 W.,	Fractional Tps., all
T. 28 N., R. 9 W.,	Fractional secs. 7 to 12, inclusive, all; Secs. 13 to 27, inclusive, all Sec. 34, $N\frac{1}{2}$; Secs. 35 & 36, all
T. 29 N., Rs. 7, 8 & 9W.,	All
T. 29 N., R. 10 W.,	Secs. 1 to 18, inclusive, all Secs. 21 to 27, inclusive, all Sec. 36, all
T. 29 N., R. 11 W.,	Secs. 1, 2, & 12, all



T. 30 N., R. 7 W.,	Secs. 18, 19, 20 all Secs. 28 to 34, inclusive, all
T. 30 N., R. 8 W.,	Secs. 4 to 11, inclusive, all Secs. 13 to 36, inclusive, all
T. 30 N., Rs. 9 & 10 W.,	All
T. 30 N., R. 11 W.,	Secs. 1, 2, 3, all Secs. 9 to 17, inclusive, all Sec. 18, S $\frac{1}{2}$ Secs. 19 to 30, inclusive, all Secs. 33 to 36, inclusive, all
T. 30 N., R. 12 W.,	Sec. 24, all
T. 31 N., R. 9 W.,	Sec. 19, all; Secs. 29 to 34 inclusive, all
T. 31 N., R. 10 W.,	Sec. 3, all; Sec. 4, S $\frac{1}{2}$; Sec. 5, all; Secs. 8 to 11, inclusive, all Secs. 13 to 36, inclusive, all
T. 31 N., R. 11 W.,	Secs. 24, 25, 26, all; Sec. 34, E $\frac{1}{2}$ Secs. 35 & 36, all.

For wells drilled to and completed in the Pictured Cliffs formation on Federal leases within the area of the Blanco-Mesaverde pool as now defined or hereafter extended by the New Mexico Oil Conservation Commission, the well and production reports shall be designated as "Blanco-Pictured Cliffs" pool.

The New Mexico Oil Conservation Commission by Order No. R-67, Case No. 262 extended the Largo-Mesaverde gas pool originally established by Commission Order No. 214. For operations to the Mesaverde formation on Federal leases within the area designated by Order No. R-67, the pool designation may be shown as "Blanco (Largo)", if so desired, on records submitted to the Geological Survey.

It should be understood that the area designated herein as the Blanco pool is solely for the purpose of reporting well and production data to the Geological Survey and does not affect the leasing or rental rates of Federal leases which are based by law on definitions by the Director of the Geological Survey of the known geological structure of a producing oil or gas field.

Foster Morrell
FOSTER MORRELL

Regional Oil and Gas Supervisor



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 997
Roswell, New Mexico

April 23, 1951

Mr. Don McCormack
Attorney-At-Law
Carlsbad, New Mexico

Dear Mr. McCormack:

I am forwarding herewith pursuant to your suggestion, a proposed definition for use by the Oil Conservation Commission of designated areas for the Blanco gas pool and LaPlata gas pool, San Juan County, New Mexico. This suggestion arises as a result of the hearing in Santa Fe on March 20, 1951 on Case 262 at the request of Byrd-Frost, Inc.

The developed gas production from the Mesaverde formation has already encompassed such large areas and is being expanded so rapidly that it appears appropriate that the two subject gas pools should now be defined for proration and other regulatory purposes of the Oil Conservation Commission on an area basis rather than limiting the pool to a fixed distance beyond completed wells.

On the map of the central portion of the San Juan Basin, Map No. 59, forwarded herewith, you will note that we have delineated the two gas pools between the plus 900 and plus 1400-1500' structure contours based on top of the Point Lookout formation, the basal member of the Mesaverde. Drilling to date establishes the existence of known deposits of dry gas within these contours throughout most if not all of the areas proposed for definition.

The pool definitions in themselves do not imply that all the defined area is proved for gas. The definitions merely intend that gas found within the defined areas is from common reservoirs which for record purposes would be included in the respective defined pools.

You will note that we have suggested that the area producing from the Mesaverde formation from the Colorado line south to the Animas River should be designated as the LaPlata gas pool. This is the pool name now used for production being withdrawn from the area by Southern Union Gas Company. As the name is already sufficiently in the record, its retention is recommended.

The remainder of the Mesaverde gas reservoir from the Animas River southeast to approximately R. 6 W. is suggested to be designated as the Blanco pool. Byrd-Frost, Inc., under Case 262 requested the extension and use of the name Largo. During discussion with Mr. Joe Gordon of Byrd-Frost, Inc. after the hearing on March 20, it was informally agreed that the term Largo would be best retained by Byrd-Frost, Inc. for use in connection with a proposed unit agreement involving their holdings in the Blanco area and that the term Blanco be applied to the Mesaverde reservoir as a whole. Blanco has heretofore been designated by the Oil Conservation Commission as the pool name from which gas is already being withdrawn by Southern Union Gas Company and El Paso Natural Gas Company and consequently that name is well established in the records of producers and purchasers.

It is suggested that the term Largo be deleted from pool definitions heretofore established by the Oil Conservation Commission and that the name Blanco be applied to the Mesaverde reservoir as suggested herein.

In confirmation of this suggestion, I find that the Director of the Geological Survey, on April 12, 1951 in connection with a recent gas well completion in sec. 21, T. 28 N., R. 6 W., stated that "this completion is deemed to establish an important southeastern extension to the Blanco gas field. This southeastern gas area is at present called the Largo field, but it appears that Blanco and Largo are interconnected and the earlier designation of Blanco is being assigned to the entire area."

Accordingly, the suggestion for the establishment by the Commission of a Blanco - Largo gas pool or pools would provide that records of the Oil Conservation Commission and the U. S. Geological Survey would be on a comparable basis. Conformable to the action of the Commission in combining the Fulcher-Kutz pools, you may wish to consider a single combined definition for a Blanco - La Plata pool at this time. In our opinion, there is ample justification for such action.

Very truly yours,

COPY (Original Signed) Foster Morrell
FOSTER MORRELL
Oil and Gas Supervisor
Southwestern Region

cc: R.R. Spurrier ✓
Oil Conservation Commission
P. O. Box 171
Santa Fe, New Mexico

Cont dup

DESCRIPTION OF REVISED BLANCO-MESAVERDE GAS POOL,
SAN JUAN COUNTY, NEW MEXICO - AUGUST 15, 1951.

T. 27 N - R 7 W ;

Sec. 1, through 9, inclusive

T. 27 N - R 8 W ;

Sec. 1 through 5, and 9 through 16 inclusive.

T 28 N - R 7 W ;

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 8 W ;

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 9 W ;

Partial sections 10, 11 and 12, and all of sections 13, 14, 15, 22 through 27 and 34, 35 and 36.

T. 29 N - R 8 W ;

All of section 4 through 11; 14 through 23, and 26 through 35.

T. 29 N - 9 W ;

Section 1 through 36 all.

T. 29 N - R 10 W ;

Section 1, 12, 13, 24, 25 and 36 all.

T. 30 N - R 8 W ;

All of sections 4 through 9, 16 through 21, and 28 through 33.

T. 30 N - R 9 W . ;

Sections 1 through 36 all.

T. 30 N - R 10 W :

Sections 1 through 36 all. ✓

T. 30 N - R 11 W :

All of Sections 1 through 6, 10, through 14, and 24 and 25. ✓

T. 31 N - R 9 W :

All of Sections 19, and 29 through 33. ✓

T. 31 N - R 10 W :

All of Sections 17 through 36 ✓

T. 31 N - R 11 W :

All of Sections 2 through 11 and 13 through 36. ✓

T. 31 N - R 12 W :

All of Sections 1 through 6, 8 through 17, 20 through 29, and 32 through 36. ✓

T. 31 N - R 13 W :

Section 1 all. ✓

T. 32 N - R 11 W :

Sections 30, 31 and 32 all. ✓

T. 32 N - R 12 W :

Partial Section 7 through 12 all and 13 through 36 all. ✓

T. 32 N - R 13 W :

Sections 24, 25 and 36 all.

FCB

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE 291
ORDER NO. ~~R-70~~

THE MATTER OF APPLICATION OF THE
OIL CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR TAKING TESTIMONY
UPON AND CONSIDERING EXTENSION OF
BOUNDARIES OR CONSOLIDATION OF MESAVERDE
GAS POOLS (BLANCO-LARGO, ETC) IN SAN JUAN
COUNTY, NEW MEXICO.

~~R-70~~
R-89

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on regularly for hearing on July 24, 1951,
and for further hearing on August 7, 1951 at Santa Fe, New Mexico, before
the Oil Conservation Commission of New Mexico hereinafter called the "Com-
mission".

NOW, on this _____ day of September 1951, the Commission, a
quorum being present, considered the testimony adduced and statements made
at both the July 24, and August 7, 1951, hearings and being fully advised in
the premises,

FINDS, 1. That due public notice having been given ⁱⁿ ~~in~~ conformity
with law, the Commission has jurisdiction of the persons, matters and things
to which the case relates.

(2) That development in the area indicates to the Commission that certain Mesaverde gas pools, in Northwestern New Mexico heretofore duly established by various orders, are in fact one common source of supply, and should, for orderly development, the prevention of waste, protection of correlative rights and improved administration, be consolidated into one pool for Mesaverde production.

(3) That the areal extent of such consolidated pool, within which is the Mesaverde Common Source of supply, that should be established ^{known as a gas pool,} and hereafter ^{to} known as Blanco (Mesaverde) pool, is:

T. 27 N - R 7 W: ✓

Sec. 1, through 9, inclusive. ✓

T. 27 N - R 8 W: ✓

Sec. 1 through 5, and 9 through 16 inclusive. ✓

T. 28 N - R 7 W: ✓

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 8 W: ✓

Partial sections 7 through 12 inclusive and 13 through 36 inclusive. ✓

T. 28 N - R 9 W: ✓

Partial sections 10, 11 and 12, and all of sections 13, 14, 15, 22 through 27 and 34, 35 and 36. ✓

T. 29 N - R 8 W: ✓

All of section 4 through 11; 14 through 23, and 26 through 35. ✓

T. 29 N - 9 W: ✓

Section 1 through 36 all. ✓

T. 29 N - R 10 W: ✓

Section 1, 12, 13, 24, 25 and 36 all. ✓

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T. 30 N - R 8 W:

All of sections 4 through 9, 16 through 21, and 28 through 33.

T. 30 N - R 9 W:

Sections 1 through 36 all.

T. 30 N - R 10 W:

Sections 1 through 36 all.

T. 30 N - R 11 W:

All of Sections 1 through 6, 10, through 14, and 24 and 25.

T. 31 N - R 9 W:

All of sections 19, and 29 through 33.

T. 31 N - R 10 W:

All of Sections 17 through 36

T. 31 N - R 11 W:

All of Sections 2 through 11 and 13 through 36.

T. 31 N - R 12 W:

All of Sections 1 through 6, 8 through 17, 20 through 29, and 32, through 36.

T. 31 N - R 13 W:

Section 1 all.

T. 32 N - R 11 W:

Sections 30, 31 and 32 all.

T. 32 N - R 12 W:

Partial Section 7 through 12 all and 13 through 36 all.

T. 32 N - R 13 W:

Sections 24, 25 and 36 all.

(4) That Order No. 799 relating to the Blanco Pool, in San Juan County, New Mexico should be amended to conform to the purpose of this order and be the special pool rules of the Blanco pool as described hereinabove, in paragraph 3 above. (1)

(5) That that part of Order No. R-16 in Case 214, effective March 21, 1950, creating the original Largo Pool in San Juan County, New Mexico, and Order No. R-67 in case 262 effective April 20, 1951, providing ^{for 5100'} extending of boundaries, and ^a spacing pattern for the Largo (Mesaverde) Pool, should be rescinded.

6. That Section 3 of the findings and section 2 of Order No. R-31 in Case 233, effective September 29, 1950 relating to the boundaries of La Plata pool (Mesaverde) should be deleted from said Order and rescinded; That that part of Order R-42 in Case 244 effective December 22, 1950, to the extension of La Plata (Mesaverde) pool should likewise be deleted and rescinded.

7. That that part of Order No. R-42 in Case 244 effective December 22, 1950, creating South La Plata (Mesaverde) pool should be deleted and rescinded.

8. That Northwest La Plata (Mesaverde) pool was never officially established by Order of the Commission although by Order R-46 in Case 237, effective December 29, 1950, 320 acre spacing, with a location pattern of NW/4 and ^{SE 4} set for each section included within the respective boundaries of the NW La Plata, La Plata and South La Plata pools, all reference to which within said order should be rescinded and superceded.

IT IS THEREFORE ORDERED:

(1) That the application of the Oil Conservation Commission upon its own motion for the consolidation of the Northwest La Plata area, La Plata, and South La Plata, Largo Pools and other lands with the Blanco pool (Mesaverde) be and the same hereby is approved, and the following described lands ^{within} are the Blanco pool (Mesaverde) in San Juan County, New Mexico.

(2)

(2) - That that portion of order no. 799 relating to the Blanco Pool, in San Juan County, New Mexico, ~~which~~ should be, and the same hereby is amended to conform to the findings as described in paragraph (1) above.

~~(3) - That that part of order no. R-16 creating the original Large Pool in San Juan County, New Mexico and order no. R-67 are hereby rescinded.~~

~~(4) - That section 3 of the findings and section 2 of order no. R-31 relating to the boundaries of La Plata (pool) (mesaverde) are deleted from said order and rescinded; That that part of order R-42 relating to the extension of La Plata (mesaverde) pool is deleted from said order and rescinded.~~

~~(5) - That that part of order no. R-42 creating South La Plata (mesaverde) pool is deleted from said order and rescinded.~~

~~(6) -~~

5
~~Described as follows:~~

T. 27 N - R 7 W:

Sec. 1, through 9, inclusive.

T. 27 N - R 8 W:

Sec. 1 through 5, and 9 through 16 inclusive.

T. 28 N - R 7 W:

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 8 W:

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 9 W:

Partial sections 10, 11 and 12, and all of sections 13, 14, 15, 22 through 27 and 34, 35 and 36.

T. 29 N - R 8 W:

All of section 4 through 11; 14 through 23, and 26 through 35.

T. 29 N - 9 W:

Section 1 through 36 all.

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T. 29 N - R 10 W:

Section 1, 12, 13, 24, 25 and 36 all.

T. 30 N - R 8 W:

All of sections 4 through 9, 16 through 21, and 28 through 33.

T. 30 N - R 9 W:

Sections 1 through 36 all.

T. 30 N - R 10 W:

Sections 1 through 36 all.

T. 30 N - R 11 W:

All of Sections 1 through 6, 10, through 14, and 24 and 25.

T. 31 N - R 9 W:

All of Sections 19, and 29 through 33.

T. 31 N - R 10 W:

All of Sections 17 through 36

T. 31 N - R 11 W:

All of Sections 2 through 11 and 13 through 36.

T. 31 N - R 12 W:

All of Sections 1 through 6, 8 through 17, 20 through 29, and 32 through 36.

T. 31 N - R 13 W:

Section 1 all.

T. 32 N - R 11 W:

Sections 30, 31 and 32 all.

T. 32 N - R 12 W:

Partial Section 7 through 12 all and 13 through 36 all.

T. 32 N - R 13 W:

Sections 24, 25 and 36 all.

14

~~"REPEALER"~~

3. That that part of Order R-16 creating the original Largo pool and Order No. R-67 extending the boundaries thereof is hereby rescinded; That Section 3 of the findings and Section 2 of Order R-31 relating to the boundaries of La Plata (Mesaverde) pool is hereby rescinded. That that part of Order R-42 extending the boundaries thereof is hereby rescinded. That that part of Order R-42 creating the South La Plata (Mesaverde) pool is hereby rescinded; That that part of Order R-46, relating to spacing and location patterns for NW La Plata, La Plata, and South La Plata pools, is hereby rescinded, *together with all other orders in conflict herewith*

~~IT IS FURTHER ORDERED that the Commission retain jurisdiction of this case for such other and further order or orders in the premises as may become necessary in order to ^{make} spacing and other adjustments and to protect correlative rights and further the prevention of waste.~~

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

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R. R. S.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE DEFINITION,
CLASSIFICATION, AND EXTENSION OF
THREE GAS POOLS IN SAN JUAN COUNTY,
NEW MEXICO.

La Plata
CASE NO. 233
ORDER NO. R- 31

ORDER OF THE COMMISSION

This case came on for hearing at Santa Fe, New Mexico, on 24 August, 1950, on the motion of the Oil Conservation Commission, and upon recommendation of the Northwestern New Mexico Nomenclature Committee. The Commission having heard the evidence and having taken the case under advisement,

FINDS:

1. It has jurisdiction of this case and of the parties interested, due notice of this hearing having been given.
2. The following area, to-wit:

All of Sections 7 and 18, in Township 27 North,
Range 11 West and all of Sections 12 and 13 in
Township 27 North, Range 12 West in San Juan County,
New Mexico

comprises a separate common gas reservoir, the producing horizon being Pictured Cliffs and should be designated as the West Kutz Canyon (Pictured Cliffs) gas pool.

3. The boundaries of LaPlata (Mesaverde) gas pool heretofore created and described should be changed so as to include the following:

Township 31 North, Range 12 West

S $\frac{1}{2}$ Section 2
All Section 3
All Section 4
N $\frac{1}{2}$ Section 5
E $\frac{1}{2}$ Section 9
W $\frac{1}{2}$ Section 12
W $\frac{1}{2}$ Section 13
E $\frac{1}{2}$ Section 16

Township 32 North, Range 12 West

E $\frac{1}{2}$ Section 20
All Section 21
W $\frac{1}{2}$ Section 22
W $\frac{1}{2}$ Section 27
All Section 28
All Section 29
All Section 30
N $\frac{1}{2}$ Section 31

Township 32 North, Range 12 West (Continued)

All Section 32
All Section 33
W $\frac{1}{2}$ Section 34

All of the lands above described constituting a separate common reservoir of gas, the producing horizon being Mesaverde.

4. Section 6, Township 27 North, Range 10 West is within the common gas reservoir heretofore named and defined as the Fulcher Basin-Kutz Canyon (Pictured Cliffs) gas pool and should be added to said gas pool.

IT IS THEREFORE ORDERED:

1. A new gas pool to be known as the West Kutz Canyon (Pictured Cliffs) gas pool is hereby named, designated and classified and shall include the lands described in Paragraph 2 above.
2. The boundaries of LaPlata (Mesaverde) gas pool are hereby changed to include the lands described in Paragraph 3 above.
3. The Fulcher Basin-Kutz Canyon (Pictured Cliffs) gas pool is hereby extended to include all of Section 6, Township 27 North, Range 10 West.

DONE this 29 day of September, 1950 at Santa Fe, New Mexico.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

s/ GUY SHEPARD

s/ R. R. SPURRIER

Distributed
By Proration Department
October 10, 1950

BEFORE THE OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

IN THE MATTER OF THE DEFINITION
AND CLASSIFICATION OF THE SEVERAL
OIL AND GAS POOLS OF MCKINLEY,
SAN JUAN AND RIO ARriba COUNTIES
IN NORTHWESTERN NEW MEXICO
UNDER AUTHORITY OF RULE NO. 5.

Pool 1014
1 21-50
CASE NO. 213
ORDER NO. R-13

ORDER OF THE COMMISSION

This matter came on for hearing at Santa Fe, New Mexico, on February 21, 1950, on the motion of the Oil Conservation Commission and upon the recommendation of the Northwestern New Mexico Nomenclature Committee.

The Commission having heard the evidence presented and having taken the case under advisement finds:

1. It has jurisdiction of this case and the parties interested therein, due notice of the hearing having been given.
2. The several areas hereinafter described each comprise a separate common reservoir of oil or gas in the producing horizon designated and are each oil or gas pools. Such pools are as follows, the oil pools being designated as such, and the gas pools being designated as gas pools:

<u>POOL</u>	<u>PRODUCING HORIZON</u>	<u>COUNTY</u>	<u>TWP. & RGE.</u>	<u>DESCRIPTION</u>
Angels Peak (Gas)	Dakota	San Juan	27N - 10W 28N - 10W	Sec. 3, W/2 Secs. 4,5, all Secs. 32,33, all Sec. 34, W/2
Aztec- Farmington (Gas)	Farmington	San Juan	30N - 11W	Sec. 9, S/2 Sec. 10, S/2 Sec. 15, N/2 Secs. 16, 17, all Sec. 20, N/2 Sec. 21, N/2
Aztec- Pictured Cliffs (Gas)	Pictured Cliffs	San Juan	30N - 11W	Secs. 9,10,15,16
Barker Creek- Dakota (Gas)	Dakota	San Juan	32N - 14W	Secs. 9,10,11, that portion in N.M. Secs. 14,15,16, all Sec. 17, E/2 Secs. 20,21,22, all Sec. 23, NW/4

<u>POOL</u>	<u>PRODUCING HORIZON</u>	<u>COUNTY</u>	<u>TWP. & RGE.</u>	<u>DESCRIPTION</u>
				Sec. 27, NW/4 Sec. 28, N/2 Sec. 29, all
Barker Creek- Paradox (Gas)	Paradox	San Juan	32N - 14W	Secs. 9,10,11, that portion in N.M. Secs. 14,15,16, all Sec. 17, E/2 Secs. 20,21,22, all Sec. 23, NW/4 Sec. 27, NW/4 Sec. 28, N/2 Sec. 29, all
Blanco- Pictured Cliffs (Gas)	Pictured Cliffs	San Juan	30N - 9W	Sec. 28, W/2 Secs. 29,32, all Sec. 33, W/2
Blanco- Mesaverde (Gas)	Mesaverde	San Juan	29N - 9W 30N- 9W	Sec. 2, W/2 Secs. 3,4,5,9,10,11, 14,15, all Sec. 7, S/2 Sec. 8, S/2 Sec. 15, W/2 Secs. 16,17,18,19, 20,21,22, all Secs. 27,28,29,30, 32,33,34, all
Bloomfield (Oil)	Farmington	San Juan	29N - 11W	Sec. 13, W/2 Secs. 14,15,16,17, 18,19,20,21,22,23, all Sec. 24, W/2
Gavilan (Gas)	Pictured Cliffs	Rio Arriba	25N - 2W	Sec. 10, SE/4 Sec. 11, S/2 Secs. 14,15, all Sec. 22, NE/4 Sec. 23, N/2
Hogback- Dakota (Oil)	Dakota	San Juan	29N - 16W	Sec. 18, S/2 Sec. 19, all
Hospah (Oil)	Hospah Sand	McKinley	17N - 8W 17N - 9W	Sec. 6, W/2 Sec. 7, NW/4 Sec. 1, all Sec. 2, E/2 Sec. 11, NE/4 Sec. 12, N/2

<u>POOL</u>	<u>PRODUCING HORIZON</u>	<u>COUNTY</u>	<u>TWP. & RGE.</u>	<u>DESCRIPTION</u>
			30N - 11W	Sec. 27, S/2 Sec. 28, S/2 Secs. 33, 34, all
Rattlesnake- Dakota (Oil)	Dakota	San Juan	29N - 19W	Secs. 1,2, all Sec. 11, E/2 Secs. 12,13, all
			30N - 19W	Sec. 35, S/2 Sec. 36, SW/4
Rattlesnake- Pennsylvanian (Oil)	Pennsylvanian	San Juan	29N - 19W	Secs. 1, 2, all Sec. 11, E/2 Secs. 12, 13, all
			30N - 19W	Sec. 35, S/2 Sec. 36, SW/4
Red Mountain (Oil)	Mesaverde	McKinley	20N - 9W	Secs. 20,21,28, 29, all
Table Mesa (Oil)	Dakota	San Juan	27N - 17W	Sec. 3, all
Ute Dome- Dakota (Gas)	Dakota	San Juan	31N - 14W 32N - 14W	Secs. 1,2, all Secs. 35,36, all
Ute Dome- Paradox (Gas)	Paradox	San Juan	31N - 14W 32N - 14W	Secs. 1,2, all Secs. 35,36, all
Wyper (Oil)	Farmington	San Juan	30N - 12W	Secs. 28, 29, 32, 33, all

IT IS THEREFORE ORDERED:

The above described areas are classified, named and defined as oil pools or gas pools as they are severally designated.

DONE this 15th day of March, 1950.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

THOMAS J. MABRY, CHAIRMAN
GUY SHEPARD, MEMBER
R. R. SPURRIER, SECRETARY

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. 237
ORDER NO. R-46

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR ESTABLISHING
A WELL SPACING PATTERN FOR
EACH OF THE DESIGNATED GAS
POOLS IN THE COUNTIES OF SAN
JUAN AND RIO ARRIBA, STATE OF
NEW MEXICO PRODUCING OR CAPABLE
OF PRODUCING GAS FROM PICTURED
CLIFFS FORMATION, EXCEPT KUTZ
CANYON-FULCHER BASIN, MESAVERDE
FORMATION (EXCEPT BLANCO POOL)
AND ANY OF THE PENNSYLVANIAN
FORMATIONS.

11/22/50

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on regularly for hearing at 10:00 o'clock A.M.,
November 21, 1950, at Santa Fe, New Mexico, before the Oil Conservation
Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 29th day of December, 1950, the Commission having con-
sidered the whole matter including the testimony adduced at said hearing,

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 for purposes of orderly development, protection of correlative
rights and the prevention of waste, the following pools in San Juan and Rio
Arriba Counties, New Mexico heretofore by the Commission named, defined
and classified as gas pools, as the respective boundaries thereof may be

changed by extension or otherwise, should be provided with proper spacing pattern and production units;

- Aztec (Pictured Cliffs) pool, 160-acre spacing;
- Barker Creek, Paradox (Pennsylvanian) pool, 640-acre spacing;
- Blanco (Pictured Cliffs) pool, 160-acre spacing;
- ✓ Gavilan (Pictured Cliffs) pool, 160-acre spacing;
- ✓ La Plata (Mesaverde) pool, 320-acre spacing;
- ✓ NW La Plata (Mesaverde) pool, 320-acre spacing;
- ✓ South La Plata (Mesaverde) pool, 320-acre spacing;
- South Kutz Canyon (Pictured Cliffs) pool, 160-acre spacing;
- West Kutz Canyon (Pictured Cliffs) pool, 160-acre spacing;
- Ute Dome (Paradox) pool, 640-acre spacing.

3. That for La Plata, NW La Plata and South La Plata pools, wells }
should be orthodox locations on NW/4 and SE/4 of each section in said pools. }

4. Under 160-acre spacing for Aztec, Blanco (Pictured Cliffs), Gavilan, South Kutz Canyon and West Kutz Canyon pools, orthodox locations should be required as stated in Rule 104 (or 330' from inner and 660' from outer boundaries of the respective quarter section);

5. For those pools appearing to require 640-acre spacing in Pennsylvanian formation, orthodox locations should be required to be not closer than 330' to center and 1650' from boundary of each section in the Barker Creek (Paradox-Pennsylvanian) and Ute Dome (Paradox-Pennsylvanian) pools.

6. That existing Commission Orders 748 and 815, relating to the Kutz Canyon-Fulcher Basin pool, and Order No. 799 relating to the Blanco pool should be and remain in full effect and undisturbed hereby.

IT IS THEREFORE ORDERED:

1. That for purposes of orderly development, protection of correlative rights, and the prevention of waste, a spacing and production unit pattern is hereby provided for each of the following heretofore named, defined and classified pools, as the respective boundaries thereof may from time to time be changed:

<u>POOL</u>	<u>FORMATION</u>	<u>SPACING</u>
Aztec	Pictured Cliffs	160-acre
Barker Creek	Paradox-Pennsylvanian	640-acre
Blanco	Pictured Cliffs	160-acre
Gavilan	Pictured Cliffs	160-acre
La Plata	Mesaverde	320-acre
NW La Plata	Mesaverde	320-acre

<u>POOL</u>	<u>FORMATION</u>	<u>SPACING</u>
South LaPlata	Mesaverde	320-acre
South Kutz Canyon	Pictured Cliffs	160-acre
West Kutz Canyon	Pictured Cliffs	160-acre
Ute Dome	Paradox	640-acre

2. That orthodox locations shall be in the approximate center of the NW/4 and SE/4 of each section within the confines of LaPlata, Northwest LaPlata, and south LaPlata pools, under 320 acre spacing for Mesaverde production.

3. That orthodox locations shall be as in Rule 104 (or 330' from inner and 660' from outer boundaries of the respective quarter section) within the boundaries of the Aztec, Blanco, Gavilan, South Kutz Canyon and West Kutz Canyon pools for 160-acre spacing for Pictured Cliffs production/

4. That orthodox locations shall be not closer than 330' to center of the respective sections and 1650' from boundaries within the boundaries of Barker Creek and Ute Dome pools for 640-acre spacing for Paradox-Pennsylvanian production.

5. That Orders Nos. 748, 815, relative to Kutz Canyon- Fulcher Basin Pool, and 799, relating to Blanco Mesaverde, shall remain in full force and effect.

6. That wells now drilled or drilling are excepted.

IT IS FURTHER ORDERED:

1. That for the purpose of preventing inequities and impairment of correlative rights the Commission upon its own motion or upon its own motion or upon application of any interested person, after notice and hearing grant exceptions in proper cases.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

THOMAS J. MABRY, CHAIRMAN

GUY SHEPARD, MEMBER

R. R. SPURRIER, SECRETARY

SEAL

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 214
ORDER NO. R-16

IN THE MATTER OF THE DEFINITION AND
CLASSIFICATION, UNDER RULE 5, OF NEW
OIL AND GAS POOLS IN NORTHWESTERN NEW
MEXICO, AND AMENDMENT OF ORDER NO. R-13,
IN CASE NO. 213 BY THE ADDING TO THE
FULCHER BASIN-KUTZ CANYON POOL, AS DEFINED
THEREIN, OF WEST HALF SECTION 11, AND WEST
HALF SECTION 14, TOWNSHIP 28 NORTH, RANGE
10 WEST, N.M.P.M.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on for hearing at Santa Fe, New Mexico, on March 21, 1950, on motion of the Oil Conservation Commission and upon recommendation of the Northwestern New Mexico Nomenclature Committee, and the Commission having heard the evidence presented and having taken the matters under advisement,

FINDS:

1. That it has jurisdiction of the case and the parties interested therein, due notice of hearing having been regularly given; and

IT IS THEREFORE ORDERED:

1. That the exterior boundaries of sections 3 and 4, T. 27 N, R. 8 W, and all of sections 33 and 34, T. 28 N, R. 8 W, be, and they hereby are declared to be the boundaries of the Largo pool (Mesaverde) hereby established, and classified as a gas pool.

2. That W/2 section 11, and W/2 section 14, in Township 28 N, Range 10 W, be, and they are hereby added to and hereafter included within the boundaries of Fulcher Basin-Kutz Canyon (Pictured Cliffs) gas pool as described by, and classified in, Order No. R-13, Case No. 213.

DONE at Santa Fe, New Mexico this 27th day of April, 1950.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

THOMAS J. MABRY, CHAIRMAN
GUY SHEPARD, MEMBER
R. R. SPURRIER, SECRETARY

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

Large extended
3/21/50
CASE NO. 262
ORDER NO. R-67

IN THE MATTER OF THE APPLICATION OF
BYRD-FROST, INC. FOR DESIGNATION AND
SPACING RULES FOR A MESAVERDE GAS POOL
TO BE KNOWN AS LARGO-MESAVERDE GAS POOL
IN RIO ARriba AND SAN JUAN COUNTIES, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION

This matter came on for hearing at Santa Fe, New Mexico at 10:00 o'clock on March 20, 1951, and the Commission having heard the testimony adduced and reviewed the pertinent office records,

FINDS:

1. That due notice having been given in compliance with law, the Commission has jurisdiction of the interested parties and the subject matter hereof.

2. That heretofore on March 21, 1950, upon the recommendation of the then functioning Northwestern New Mexico Nomenclature Committee, there was, by Commission Order No. ~~214~~¹⁶, duly established a pool classified as a gas pool designated as the Largo (Mesaverde) pool described as:

T. 28 N, R. 8W
Sections 33 and 34

T. 27 N, R. 8 W
Sections 3 and 4

3. That testimony adduced at the hearing, upon Byrd-Frost, Inc.'s application in this case, shows that within the confines of the proposed extension of boundaries, and since the establishment of such Largo (Mesaverde) pool, producing wells have been completed in:

T. 29 N, R. 8 W
SW/4 section 17 (Billie D Day)

NE/4 section 22 (H. E. Roeloffs No. 1)

T. 28 N, R. 7 W
NE/4 section 33

all producing from Cliff House and/or Point Lookout in the Mesaverde formation.

4. That applicant testimony is that it is presently completing

T. 29 N, R. 8 W
SW/4 section 19 (J. F. Huges No. 1), in the Mesaverde formation, and have made locations, with entire confidence of encountering Mesaverde production, as follows.

T. 28 N, R. 8 W
NE/4 section 17 and
SW/4 section 16

IT IS THEREFORE ORDERED: That the boundaries of the Largo pool, heretofore created by Order No. 1214, effective April 27, 1950, be and the same hereby are extended to include not only its original boundaries of:

T. 28 N, R. 8 W
Sections 33 and 34

T. 27 N, R. 8 W
Sections 3 and 4,

but in addition thereto, the following lands:

T. 29 N, R. 8 W
Sections 1 to 36, inclusive

T. 29 N, R. 7 W
Sections 28, 29, 30, 31, 32 and 33

T. 28 N, R. 7 W
Short sections 7, 8, 9, and 10
Sections 15, 16, 17, 18, 19, 20, 21,
22, 27, 28, 29, 30, 31, 32, 33, and 34

T. 28 N, R. 8 W
Short sections 7, 8, 9, 10, 11, 12
Sections 13, 14, 15, 16, 17, 18, 20,
21, 22, 23, 24, 25, 26, 27 and 28,
35 and 36

IT IS THEREFORE ORDERED That the spacing pattern for the pool as hereby established be and the same hereby is fixed as 320 acres for Mesaverde production, and with orthodox locations in the centers of the respective northeast quarters and the southwest quarters of each included section, with a 200-foot tolerance. Unorthodox locations may be authorized after notice of hearing, upon proper applications duly filed with the Commission, and

IT IS FURTHER ORDERED That jurisdiction of this case be retained by the Commission for the purpose of changing by reducing or extending the designated area and for other pertinent purposes as facts may be further disclosed by exploration and development.

DONE at Santa Fe, New Mexico, this 20th day of April, 1951.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

GUY SHEPARD, MEMBER

R. R. SPURRIER, Secretary

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 214
ORDER NO. R-16

IN THE MATTER OF THE DEFINITION AND
CLASSIFICATION, UNDER RULE 5, OF NEW
OIL AND GAS POOLS IN NORTHWESTERN NEW
MEXICO, AND AMENDMENT OF ORDER NO. R-13,
IN CASE NO. 213 BY THE ADDING TO THE
FULCHER BASIN-KUTZ CANYON POOL, AS DEFINED
THEREIN, OF WEST HALF SECTION 11, AND WEST
HALF SECTION 14, TOWNSHIP 28 NORTH, RANGE
10 WEST, N.M.P.M.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on for hearing at Santa Fe, New Mexico, on March 21, 1950, on motion of the Oil Conservation Commission and upon recommendation of the Northwestern New Mexico Nomenclature Committee, and the Commission having heard the evidence presented and having taken the matters under advisement,

FINDS:

1. That it has jurisdiction of the case and the parties interested therein, due notice of hearing having been regularly given; and

IT IS THEREFORE ORDERED:

1. That the exterior boundaries of sections 3 and 4, T. 27 N, R. 8 W, and all of sections 33 and 34, T. 28 N, R. 8 W, be, and they hereby are declared to be the boundaries of the Largo pool (Mesaverde) hereby established, and classified as a gas pool.

2. That W/2 section 11, and W/2 section 14, in Township 28 N, Range 10 W, be, and they are hereby added to and hereafter included within the boundaries of Fulcher Basin-Kutz Canyon (Pictured Cliffs) gas pool as described by, and classified in, Order No. R-13, Case No. 213.

DONE at Santa Fe, New Mexico this 27th day of April, 1950.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

THOMAS J. MABRY, CHAIRMAN
GUY SHEPARD, MEMBER
R. R. SPURRIER, SECRETARY

DESCRIPTION OF REVISED BLANCO-MESAVERDE GAS POOL,
SAN JUAN COUNTY, NEW MEXICO - AUGUST 15, 1951.

T. 27 N - R 7 W

Sec. 1, through 9, inclusive

T. 27 N - R 8 W

Sec. 1 through 5, and 9 through 16 inclusive.

T 28 N - R 7 W

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 8 W

Partial sections 7 through 12 inclusive and 13 through 36 inclusive.

T. 28 N - R 9 W

Partial sections 10, 11 and 12, and all of sections 13, 14, 15, 22 through 27 and 34, 35 and 36.

T. 29 N - R 8 W

All of section 4 through 11; 14 through 23, and 26 through 35.

T. 29 N - 9 W

Section 1 through 36 all.

T. 29 N - R 10 W

Section 1, 12, 13, 24, 25 and 36 all.

T. 30 N - R 8 W

All of sections 4 through 9, 16 through 21, and 28 through 33.

T. 30 N - R 9 W

Sections 1 through 36 all.

T. 30 N - R 10 W

Sections 1 through 36 all.

T. 30 N - R 11 W

All of Sections 1 through 6, 10, through 14, and 24 and 25.

T. 31 N - R 9 W

All of Sections 19, and 29 through 33.

T. 31 N - R 10 W

All of Sections 17 through 36

T. 31 N - R 11 W

All of Sections 2 through 11 and 13 through 36.

T. 31 N - R 12 W

All of Sections 1 through 6, 8 through 17, 20 through 29, and 32
through 36.

T. 31 N - R 13 W

Section 1 all.

T. 32 N - R 11 W

Sections 30, 31 and 32 all.

T. 32 N - R 12 W

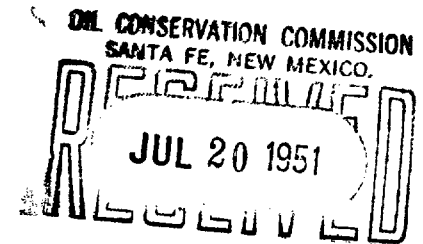
Partial Section 7 through 12 all and 13 through 36 all.

T. 32 N - R 13 W

Sections 24, 25 and 36 all.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 997
Roswell, New Mexico



KS
July 18, 1951

TO OIL AND GAS LESSEES AND OPERATORS OF FEDERAL LANDS
IN THE BLANCO-LaPLATA AREA, SAN JUAN COUNTY, NEW MEXICO.

Under date of May 21, 1951, this office by notice to oil and gas lessees and operators of federal lands in the Blanco Area, San Juan County, New Mexico described an area extending from T. 27 N., R. 7 W., through T. 31 N., R. 11 W., to be designated as the Blanco pool on all well and production reports submitted to the Geological Survey for wells drilled to and completed in the Mesaverde formation.

Subsequent developments have demonstrated the continuity of gas production between the Blanco gas field and the LaPlata gas field to the northwest. The Geological Survey now considers the entire area as a single field to be designated as the Blanco-LaPlata gas field.

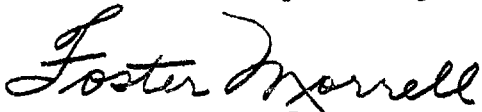
Accordingly, you are hereby directed pursuant to 30 C.F.R. 221.57 to use the pool name "Blanco-LaPlata" on all well and production reports (including forms 9-329, 9-330, 9-330a and 9-361), hereafter submitted to the Geological Survey pursuant to the oil and gas operating regulations for wells drilled to and completed in the Mesaverde formation on Federal leases within the area described as follows:

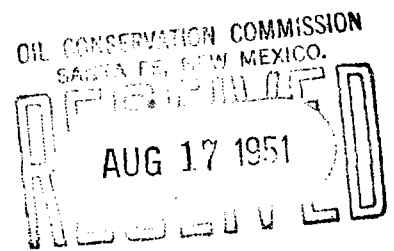
N.M.P.M. T. 27 N., R. 7 W.,	Secs. 1 to 10, inclusive, all Secs. 16 to 20, inclusive, all Sec. 30, all.
T. 27 N., R. 9 W.,	Secs. 1 to 5, inclusive, all Secs. 9 to 15, inclusive, all Secs. 23 & 24, all.
T. 28 N., Rs. 7 & 8 W.,	Fractional Tps., all.
T. 28 N., R. 9 W.,	Fractional secs. 7 to 12, inclusive all; Secs. 13 to 27, inclusive, all; Sec. 34, $N\frac{1}{2}$; Secs. 35 & 36, all.
T. 29 N., Rs. 7, 8 & 9W.,	All

T. 29 N., R. 10 W.,	Secs. 1 to 18, inclusive, all; Secs. 21 to 27, inclusive, all; Sec. 36, all.
T. 29 N., R. 11 W.,	Secs. 1, 2, & 12, all.
T. 30 N., R. 7 W.,	Secs. 18, 19, 20, all; Secs. 28 to 34, inclusive, all.
T. 30 N., R. 8 W.,	Secs. 4 to 11, inclusive, all; Secs. 13 to 36, inclusive, all.
T. 30 N., Rs. 9 & 10 W.,	All.
T. 30 N., R. 11 W.,	Secs. 1 to 30, inclusive, all; Secs. 33 to 36, inclusive, all
T. 30 N., R. 12 W.,	Secs. 1 to 4, inclusive, all; Sec. 5, E ₂ ; Secs. 10 to 14, inclusive, all; Sec. 24, all.
T. 31 N., R. 9 W.,	Sec. 19, all; Secs. 29 to 34, inclusive, all.
T. 31 N., R. 10 W.,	Secs. 3 to 11, inclusive, all; Secs. 13 to 36, inclusive, all.
T. 31 N., R. 11 W.,	All.
T. 31 N., R. 12 W.,	Secs. 1 to 30, inclusive, all; Secs. 32 to 36, inclusive, all.
T. 31 N., R. 13 W.,	Secs. 1, 12 and 13, all.
T. 32 N., R. 10 W.,	Frac. sec. 7, all; Secs. 18, 19, all; Secs. 29 to 33, inclusive, all.
T. 32 N., Rs. 11 & 12 W.,	Frac. Tps., all.
T. 32 N., R. 13 W.,	Secs. 24, 25, 36, all.

This order supercedes my order of May 21, 1951. Pool names for reports to the Geological Survey for wells drilled to and completed in the Farmington or Pictured Cliffs formations within the above described area shall be reported in accordance with pool designations by the New Mexico Oil Conservation Commission.

It should be understood that the area described herein as the Blanco-LaPlata pool is solely for the purpose of reporting well and production data to the Geological Survey and does not affect the leasing or rental rates of Federal leases which are based by law on definitions by the Director of the Geological Survey of the known geologic structure of a producing oil or gas field.


 FOSTER MORRELL
 Regional Oil and Gas Supervisor



NEW MEXICO OIL CONSERVATION COMMISSION

ORDERS

Order R-1 up to and including Order R-79

NEW MEXICO OIL & GAS ENGINEERING COMMITTEE
HOBBS, NEW MEXICO
August 6, 1951

LIST OF ORDERS OF NEW MEXICO OIL CONSERVATION COMMISSION

Order R-1 up to and including Order R-79

August 1, 1951

- ORDER NO. R-1 - Santa Fe Pacific Railroad Company and Oil Development Company of Texas for an order allowing an exception from order 779 relating to 80-acre spacing, Crossroads Pool, Lea County, New Mexico.
- ORDER NO. R-2 - Amerada Petroleum Corp. for the establishment of proration units and uniform spacing of wells in the Bagley-Siluro/Devonian Pool, Lea County, New Mexico.
- ORDER NO. R-3 - Amerada Petroleum Corp. for the establishment of proration units and uniform spacing of wells in the Knowles Pool, Lea County, N.M.
- ORDER NO. R-4 - Rowan Oil Company for an order reducing the allowable of the Brunson Pool, Lea County, New Mexico.
- ORDER NO. R-5 - Motion for rehearing filed by Buffalo Oil Company granted regarding Order No. 849.
- ORDER NO. R-6 - Rehearing filed by Amerada Petroleum Corp. granted regarding Order No. R-3.
- ORDER NO. R-7 - General American Oil Company of Texas for an order granting permission to drill seventeen unorthodox "five spot" line locations on leases within the boundaries of the Grayburg Cooperative and Unit Area, Grayburg-Jackson Pool, Eddy County, New Mexico.
- ORDER NO. R-8 - Denying rehearing on Order No. R-2 filed by Amerada Petroleum Corp.
- ORDER NO. R-9 - Worth Drilling Company for permission to drill three unorthodox locations upon the A. C. Taylor "A" Lease, North Shugart Pool, Eddy County, New Mexico.
- ORDER NO. R-10 - E. J. McCurdy for an order authorizing the drilling of an unorthodox (fifth) location to the "Red Sand" and to adjust the allowable for the five wells, Young Pool, Lea County, New Mexico.
- ORDER NO. R-11 - On extending the boundaries of certain oil pools in Lea and Eddy Counties.
- ORDER NO. R-12 - Standard Oil Company of Texas for an order of approval of the unit agreement for the development and operation of the Carrizozo Unit Area in Lincoln and Socorro Counties, New Mexico.
- ORDER NO. R-13 - Definition and classification of the several oil and gas pools of McKinley, San Juan and Rio Arriba Counties, New Mexico.
- ORDER NO. R-14 - Gulf Oil Corporation for an order authorizing dual completion and production from the Yeso Formation (Drinkard Pool) and Ellenburger formation (Brunson Pool) from a single well bore, Eunice King #17 well. (Drinkard-Brunson Pools), Lea County, New Mexico.
- ORDER NO. R-15 - Culbertson & Irwin, inc. for authority to dually complete, for oil and gas production, from two separate zones (Yates Gas Zone and Queen Oil Zone) its Lankford No. 1 well, Langlie Mattix Pool.

ORDERS OF THE COMMISSION - Page 2

- ORDER NO. R-16 - Definition and classification, under Rule 5, of new oil and gas pools in Northwestern New Mexico, and amendment of Order No. R-13, by the adding to the Fulcher Basin-Kutz Canyon Pool, as defined therein.
- ORDER NO. R-17 - Establishment, definition and classification of certain new pools, and the extension of certain existing pools in Southeastern N. M.
- ORDER NO. R-17A Establishment, definition and classification of certain new pools, and the extension of certain existing pools in Southeastern N. M. (Corrected Order of Order No. R-17)
- ORDER NO. R-18 - Wilson Oil Company for an order granting it authority to drill an unorthodox location on its State B-6807 Lease, Wilson Pool, Lea County, New Mexico.
- ORDER NO. R-19 - Barnett and Rector for an order permitting the drilling of an unorthodox location, Vacuum Pool, Lea County, New Mexico.
- ORDER NO. R-20 - Skelly Oil Company for an exception to Rule 104 for the formation of an unorthodox unit in Section 2-23-36, Langlie Mattix Pool.
- ORDER NO. R-21 - Continental Oil Company for an order granting permission to dually complete its M.E. Wantz No. D well, 21-21-37, Lea County, N. M.
- ORDER NO. R-22 - Cooperative Producing Association for the establishment of a secondary recovery program on all of section 31-12-32, Lea County.
- ORDER NO. R-23 - Amerada Petroleum Corporation for the establishment of proration units and uniform spacing of wells in the Knowles Pool, Lea County.
- ORDER NO. R-24 - Amerada Petroleum Corporation for an order for final approval of the Allison Unit Agreement.
- ORDER NO. R-25 - Continental Oil Company for an order approving the proposed Diamond Mound Unit Agreement, Chaves and Eddy Counties, New Mexico.
- ORDER NO. R-26 - New Mexico Oil Conservation Commission for an order correcting Order No. R-16, to exclude from the Fulcher Basin-Kutz Canyon (Pictured Cliffs) Gas Pool the W/2 Section 11 and W/2 Section 14, Twp. 28N, Rge. 10W, San Juan County, New Mexico.
- ORDER NO. R-27 - Creation of new oil pools and the extension of other oil pools in Southeastern New Mexico.
- ORDER NO. R-28 - Continental Oil Company for an order granting permission to dually complete E.J. Wells B-1 No. 1 well, Cooper-Jal Pool, Lea County.
- ORDER NO. R-29 - American Republics Corporation for an order granting it permission to drill four unorthodox line "Five Spot" locations on its F.M. Robinson "B" Lease, Grayburg-Jackson Pool, Eddy County, New Mexico.
- ORDER NO. R-30 - Rowan Oil Company for an order reducing the allowable of the Brunson Pool, Lea County, New Mexico.
- ORDER NO. R-31 - Definition, classification, and extension of three gas pools in San Juan County, New Mexico.

ORDERS OF THE COMMISSION - Page 3.

- ORDER NO. R-32 - E. B. Clark and C. B. Christie for designation of a gas pool and for other relief.
- ORDER NO. R-33 - Amerada Petroleum Corporation to dually complete its State LMT No. 2 well, Langlie-Mattix Pool, Lea County, New Mexico.
- ORDER NO. R-34 - Continental Oil Company for an order approving the proposed Texas Hill Unit Agreement, Eddy County, New Mexico.
- ORDER NO. R-35 - Delhi Oil Corporation for an order permitting the communitizing of short or narrow quarter-sections, Twps. 30 and 31 north, Rge. 9 west, for the purpose of creating drilling units and allowables approximately corresponding to the spacing and allowable requirements of order No. 799 relating to the Blanco-Mesaverde gas pool, San Juan County, New Mexico.
- ORDER NO. R-36 - Resler and Sheldon for authority to dually complete a well located in Section 33-23S-37E, Langlie Mattix Pool, Lea County, New Mexico.
- ORDER NO. R-37 - Humble Oil and Refining Company and Magnolia Petroleum Corporation for permission to inject water for secondary recovery of oil from wells in the Penrose-Skelly Pool, Lea County, New Mexico.
- ORDER NO. R-38 - Creation of new oil pools and the extension of other oil pools in Eddy and Lea Counties.
- ORDER NO. R-39 - Shell Pipeline Corporation to amend Rule 503 (e) relating to over-production, back allowable, etc.
- ORDER NO. R-40 - Amerada Petroleum Corporation for the establishment of proration units and uniform spacing of wells in the Knowles Pool, Lea County.
- ORDER NO. R-41 - Rescinding Orders No. 33 and 398, being the proration orders for the Monument and Hobbs Pools.
- ORDER NO. R-42 - Designation, naming, defining and extending of certain oil and gas pools in Northwestern New Mexico.
- ORDER NO. R-43 - Amending Rule 503-a relative to the dates for state-wide allowable hearings.
- ORDER NO. R-44 - E. B. Clark and C. B. Christie for designation of a gas pool. Application dismissed and Order No. R-32 rescinded.
- ORDER NO. R-45 - Oil Conservation Commission for the purpose of reconsidering its Order No. 779, establishing an 80-acre spacing pattern and proration unit for the Crossroads Devonian Pool, below 12,200 feet, Lea County, New Mexico.
- ORDER NO. R-46 - Oil Conservation Commission for establishing a well spacing pattern for each of the designated gas pools in the counties of San Juan and Rio Arriba, producing or capable of producing gas from Pictured Cliffs formation except Kutz Canyon-Fulcher Basin, Mesaverde formation (except Blanco Pool), and any of the Pennsylvanian formations.
- ORDER NO. R-47 - Magnolia Petroleum Company for an order approving the proposed Four Lakes Unit Agreement. Lea County, New Mexico.

ORDERS OF THE COMMISSION - Page 4.

- ORDER NO. R-48 - Earl A. Benson and William V. Montin for the approval of the Gallegos Canyon Unit Agreement, San Juan County, New Mexico.
- ORDER NO. R-49 - Amerada Petroleum Corporation for a temporary order establishing proration units and uniform spacing of wells in the Bagley-Siluro-Devonian Pool, Lea County, New Mexico.
- ORDER NO. R-50 - Amerada Petroleum Corporation for the pooling of separately owned royalty or mineral interest in the E $\frac{1}{2}$ of the NE $\frac{1}{4}$ section 3-12S-33E, Bagley-Siluro-Devonian Pool, Lea County, New Mexico.
- ORDER NO. R-50A Dismissal of above Order No. R-50.
- ORDER NO. R-51 - Tide Water associated Oil Company for the extension of the Brunson Pool, Lea County, New Mexico.
- ORDER NO. R-52 - Amerada Petroleum Corporation for an exception to the spacing pattern heretofore established in the Knowles Pool.
- ORDER NO. R-53 - Earl A. Benson and William V. Montin for the approval of the Gallegos Canyon Unit Agreement, San Juan County, New Mexico.
- ORDER NO. R-54 - Application of the secretary of the Oil Conservation Commission for extension of Teague-Ellenburger Pool, North Maljamar Pool, and Drinkard Pool, Lea County, New Mexico.
- ORDER NO. R-55 - Creation of new oil pools and the extension of other oil pools in Southeastern New Mexico.
- ORDER NO. R-56 - Oil Conservation Commission upon the suggestion of Byrd-Frost, Inc. for an order permitting an unorthodox location for a Pictured Cliffs well located in the Kutz Canyon-Fulcher Basin Pool, San Juan County.
- ORDER NO. R-57 - Oil Conservation Commission at the request of Byrd-Frost, Inc. for an unorthodox location for its Morris No. 2 well, section 15-27-10, San Juan County, New Mexico.
- ORDER NO. R-58 - Stanolind Oil & Gas Company for approval of the Guadalupe Foothills Unit Area, Eddy County, New Mexico. Motion continued.
- ORDER NO. R-59 - Oil Conservation Commission to amend Order No 748, Section 1, Paragraphs (b) and (c), relating to spacing in the Kutz Canyon-Fulcher Basin Gas Pool, San Juan County, New Mexico.
- ORDER NO. R-60 - Byrd-Frost, Inc. for permission to communitize the short sections on a north-south basis, located on the west side of T.29N, R.8W, such units to approximate the regular 320 acre units for the Mesa-verde Pools underlying the above described area in San Juan County.
- ORDER NO. R-61 - Paul B. Palmer, Associates, for approval of an unorthodox location known as Hutton No. 1, Section 17-29N-R13W, San Juan County, N. M.
- ORDER NO. R-62 - Kewanee Oil Company for approval of the "Four Mile Unit" Agreement covering land located in Chaves County, New Mexico.
- ORDER NO. R-63 - Tide Water Associated Oil Company for authority to dually complete State S No. 4, for the Ellenburger and McKee formations; or in the alternative to authorize transfer of allowable of State S No. 4 to State S No. 3 for Ellenburger Production.

- ORDER NO. R-64 - Cities Service Oil Company for authority to dually complete State S No. 3, in the Ellenburger and McKee formations, Lea County, N.M.
- ORDER NO. R-65 - No record of order being issued.
- ORDER NO. R-66 - No record of order being issued.
- ORDER NO. R-67 - Byrd-Frost, Inc. for designation and spacing rules for a Mesaverde Gas Pool to be known as Largo-Mesaverde Gas Pool, Rio Arriba and San Juan Counties, New Mexico.
- ORDER NO. R-68 - ~~No record of order being issued.~~ *Benson - Montan Gallegos Canyon*
- ORDER NO. R-69 - Amerada Petroleum Corporation for an order establishing proration units and uniform spacing of wells for the Bagley-Siluro/Devonian Pool, Lea County, New Mexico.
- ORDER NO. R-70 - Byrd-Frost, Inc. for an unorthodox location for its Emma T. Russell No. 1 well, Section 24-28N-8W, San Juan County, New Mexico.
- ORDER NO. R-71 - Oil Conservation Commission for the designation, extension, or deletion of oil pools in Southeastern New Mexico.
- ORDER NO. R-72 - Boyd-Plemons Drilling Company for permit to drill an unorthodox location known as Continental State Well No. 3, Section 27-17S-29E, Eddy County, New Mexico.
- ORDER NO. R-73 - Stanolind Oil & Gas Company for order approving Guadalupe Foothills Unit Agreement. Case continued.
- ORDER NO. R-74 - Phillips Petroleum Company for the establishment of proration units and providing for the allowables for the Siluro-Devonian common source of supply, Denton Pool, Lea County, New Mexico.
- ORDER NO. R-74A Correction of error in Order No. R-74.
- ORDER NO. R-74B Rehearing of Order No. R-74.
- ORDER NO. R-75 - Phillips Petroleum Company for an order establishing 80-acre proration units and providing for allowables for the Wolfcamp common source of supply, Lea County, New Mexico.
- ORDER NO. R-75A Correction of error in Order No. R-75.
- ORDER NO. R-75B Rehearing of Order No. 75.
- ORDER NO. R-76 - Creating, defining and classifying of certain pools in Eddy and Lea Counties, New Mexico.
- ORDER NO. R-76A Correction of errors in description appearing in Order R-76.
- ORDER NO. R-77 - Sinclair Oil & Gas Company for an order granting an exception to Rule 506 of the Rules and Regulations for its high oil-gas ratio well, Ollie Boyd No. 2 Sec. 23-22S-37E, Lea County, New Mexico.
- ORDER NO. R-78 - Amended application of Cities Service Oil Company for an order authorizing oil-oil dual completion and production of its State S No. 3 and State S No. 4 wells Sec. 15-21S-37E, in the Brunson-Hare Pool, Lea County, New Mexico.

ORDER NO. R-79 - Amended application of Tide Water Associated Oil Company for authority to transfer allowable production of its State S No. 5 well to State S No. 4 for Ellenburger Production and the allowable for a McKee sand completion in its State S No. 4 to State S No. 5 for McKee sand production both wells being located in Sec. 15-21S-37E, in Brunson-Hare Pool, Lea County; or, in the alternative, for an order to dually complete each such well in the McKee and Ellenburger formations.

Proposed Definition
of
La Plata Pool

N. M. P. M.

T. 32 N., R. 10 W.,	Fractional Sec. 7, all Secs. 18, 19, 29, 30, 31, 32, 33, all
T. 32 N., Rs. 11 & 12 W.,	Fractional Tps., all
T. 32 N., R. 13 W.,	Secs. 24, 25, 36, all
T. 31 N., R. 10 W.,	Sec. 4, $W\frac{1}{2}$ Secs. 6 & 7, all
T. 31 N., R. 11 W.,	Secs. 1 to 23, inclusive, all Secs. 27 to 33, inclusive, all Sec. 34, $W\frac{1}{2}$
T. 31 N., R. 12 W.,	Secs. 1 to 30, inclusive, all Secs. 32 to 36, inclusive, all
T. 31 N., R. 13 W.,	Secs. 1, 12 & 13, all
T. 30 N., R. 11 W.,	Sec. 4 to 8, inclusive, all Sec. 18, $W\frac{1}{2}$
T. 30 N., R. 12 W.,	Secs. 1 to 4, inclusive, all Secs. 10 to 14, inclusive, all

Proposed Definition

of

Blanco Pool

N. M. P. M.

T. 31 N., R. 9 W.,	Secs. 19, all Secs. 29 to 34 inclusive, all
T. 31 N., R. 10 W.,	Sec. 3, all Sec. 4, $8\frac{1}{2}$, Sec. 5, all Secs. 8 to 11, inclusive, all Secs. 13, to 36, inclusive, all
T. 31 N., R. 11 W.,	Secs. 24, 25, 26, all Sec. 34, $8\frac{1}{2}$ Secs. 35 & 36, all
T. 30 N., R. 7 W.,	Secs. 18, 19, 20, 28 to 34, inclusive, all
T. 30 N., R. 8 W.,	Secs. 4 to 11, inclusive, all Secs. 13 to 36, inclusive, all
T. 30 N., R. 9 & 10 W.,	All
T. 30 N., R. 11 W.,	Secs. 1, 2, 3, all Secs. 9 to 17, inclusive, all Sec. 18, $8\frac{1}{2}$ Secs. 19 to 30, inclusive, all Secs. 33 to 36, inclusive, all
T. 30 N., R. 12 W.,	Sec. 24, all
T. 29 N., R. 7, 8 & 9 W.,	All
T. 29 N., R. 10 W.,	Secs. 1 to 18, inclusive, all Secs. 21 to 27, inclusive, all Sec. 36, all
T. 29 N., R. 11 W.,	Secs. 1, 2, & 12, all
T. 28 N., R. 7 & 8 W.,	Fractional Tps., all
T. 28 N., R. 9 W.,	Fractional secs. 7 to 12, inclu- sive, all Secs. 13 to 27, inclusive, all Sec. 34, $8\frac{1}{2}$ Secs. 35 & 36, all

Blanco (Continued)

T. 27 N., R. 7 W.,	Secs. 1 to 10, inclusive, all Secs. 16 to 20, inclusive, all Sec. 30, all
T. 27 N., R. 8 W.,	Secs. 1 to 5, inclusive, all Secs. 9 to 15, inclusive, all Secs. 23 & 24, all