

## (CINTA ROJA-MORROW GAS POOL - Cont'd.)

(6) That the special rules and regulations should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.

## IT IS THEREFORE ORDERED:

(1) That the vertical limits of the Cinta Roja-Morrow Gas Pool shall be the Morrow zone of the Pennsylvanian formation and the horizontal limits of said pool shall be extended to include the N/2 and SE/4 of Sec. 9, Township 24 South, Range 35 East, NMPM, Lea County, New Mexico.

(2) That Special Rules and Regulations for the Cinta Roja-Morrow Gas Pool are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS  
FOR THE  
CINTA ROJA-MORROW GAS POOL

RULE 1. Each well completed or recompleted in the Cinta Roja-Morrow Gas Pool or in the Morrow formation within one mile thereof, and not nearer to or within the limits of another designated Morrow gas pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. Each well shall be located on a standard unit containing 640 acres, more or less, consisting of a governmental section.

RULE 3. The Secretary-Director of the Commission may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a non-standard unit and the unorthodox size or shape of the unit is necessitated by a variation in the legal subdivision of the United States Public Lands Survey, or the following facts exist and the following provisions are complied with:

(a) The non-standard unit consists of quarter quarter sections or lots that are contiguous by a common bordering side.

(b) The non-standard unit lies wholly within a governmental section and contains less acreage than a standard unit.

(c) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the section in which the non-standard unit is situated and which acreage is not included in said non-standard unit.

(d) In lieu of paragraph (c) of this rule, the applicant may furnish proof of the fact that all of the aforesaid operators were notified by registered or certified mail of his intent to form such non-standard unit. The Secretary-Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Secretary-Director has received the application.

RULE 4. Each well shall be located no nearer than 1650 feet to the outer boundary of the section and no nearer than 330 feet to any governmental quarter-quarter section line.

RULE 5. The Secretary-Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all operators offsetting the proposed location or if no objection to the unorthodox location has been entered within 20 days after the Secretary-Director has received the application.

## IT IS FURTHER ORDERED:

(1) That the locations of all wells presently drilling to or completed in the Cinta Roja-Morrow Gas Pool or in the Morrow formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify

the Hobbs District Office of the Commission in writing of the name and location of the well on or before January 1, 1967.

(2) That the operator of each well presently drilling to or completed in the Cinta Roja-Morrow Gas Pool or in the Morrow formation within one mile thereof shall receive a 320-acre allowable until a Form C-102 dedicating 640 acres to the well has been filed with the Commission.

(3) 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.

EAST PUERTO CHIQUITO-MANCOS POOL  
WEST PUERTO CHIQUITO-MANCOS POOL  
Rio Arriba County, New Mexico

Order No. R-2565-B, Abolishes Puerto Chiquito-Mancos Pool, Creates East Puerto Chiquito-Mancos Pool and West Puerto Chiquito-Mancos Pool and Adopts Temporary Operating Rules for the West Puerto Chiquito-Mancos Pool, Rio Arriba County, New Mexico, November 28, 1966, as Amended by Order No. R-2565-C, January 6, 1970, Order No. R-6469, September 10, 1980, Order No. R-6469-A, January 29, 1981, and Order No. R-6469-B, February 1, 1986.

Order No. R-2565-C, January 6, 1970, makes permanent the rules adopted in Order No. R-2565-B, as amended.

See separate Order No. R-3994, August 1, 1970, contracting the horizontal limits of the East Puerto Chiquito-Mancos Pool and extending the horizontal limits of the West Puerto Chiquito-Mancos Pool.

Application of Benson-Montin-Greer Drilling Corporation for Division of an Oil Pool into Two Pools and for Special Rules for Each, Rio Arriba County, New Mexico.

CASE NO. 3455  
Order No. R-2565-B

## ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on November 16, 1966, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 28th day of November, 1966, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

**(EAST PUERTO CHIQUITO-MANCOS AND WEST PUERTO CHIQUITO-MANCOS POOLS - Cont'd.)****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 Order No. R-2565, dated September 9, 1963, as amended by Order No. R-2565-A, dated September 9, 1963, and Order No. R-2855, dated December 29, 1964, temporary Special Rules and Regulations were promulgated for the Puerto Chiquito-Gallup Oil Pool, Rio Arriba County, New Mexico.

(3) That by Order No. R-3118, dated September 21, 1966, said temporary Special Rules and Regulations were continued in full force and effect until further order of the Commission.

(4) That by Order No. R-2580, dated October 30, 1963, the Puerto Chiquito-Gallup Oil Pool was redesignated the Puerto Chiquito-Mancos Oil Pool.

(5) That the applicant, Benson-Montin-Greer Drilling Corporation, seeks the abolishment of the Puerto Chiquito-Gallup Oil Pool (redesignated the Puerto Chiquito-Mancos Oil Pool), Rio Arriba County, New Mexico, the creation of the East Puerto Chiquito-Mancos Oil Pool, and the creation of the West Puerto Chiquito-Mancos Oil Pool, with vertical limits of each to be the Mancos formation and horizontal limits as follows:

**EAST PUERTO CHIQUITO-MANCOS OIL POOL**

RIO ARRIBA COUNTY, NEW MEXICO  
TOWNSHIP 25 NORTH, RANGE 1 EAST, NMPM  
Sections 2 through 5: All  
Sections 8 through 10: All  
Sections 15 through 17: All  
Sections 20 through 22: All  
Sections 27 through 29: All  
Sections 32 and 33: All

TOWNSHIP 26 NORTH, RANGE 1 EAST, NMPM  
Sections 3 through 10: All  
Sections 14 through 18: All  
Sections 20 through 23: All  
Sections 26 through 29: All  
Sections 32 through 35: All

TOWNSHIP 27 NORTH, RANGE 1 EAST, NMPM  
Sections 3 through 10: All  
Sections 15 through 22: All  
Sections 27 through 30: All

TOWNSHIP 27 NORTH, RANGE 1 WEST, NMPM  
Section 1: E/2  
Section 12: E/2  
Section 13: E/2  
Section 24: E/2  
Section 25: E/2

**WEST PUERTO CHIQUITO-MANCOS OIL POOL**

RIO ARRIBA COUNTY, NEW MEXICO  
TOWNSHIP 25 NORTH, RANGE 1 EAST, NMPM  
Sections 6 and 7: All  
Sections 18 and 19: All  
Sections 30 and 31: All

TOWNSHIP 25 NORTH, RANGE 1 WEST, NMPM  
Sections 1 through 36: All

TOWNSHIP 26 NORTH, RANGE 1 EAST, NMPM  
Section 19: All  
Sections 30 and 31: All

TOWNSHIP 26 NORTH, RANGE 1 WEST, NMPM  
Sections 1 through 36: All

TOWNSHIP 27 NORTH, RANGE 1 WEST, NMPM  
Section 1: W/2  
Sections 2 through 11: All  
Section 12: W/2  
Section 13: W/2  
Sections 14 through 23: All  
Section 24: W/2  
Section 25: W/2  
Sections 26 through 30: All

(6) That the applicant proposes that the East Puerto Chiquito-Mancos Oil Pool be governed by all the previous rules, regulations, and orders of the Commission presently applicable to the Puerto Chiquito-Gallup Oil Pool (redesignated the Puerto Chiquito-Mancos Oil Pool).

(7) That the applicant also seeks the promulgation of temporary Special Rules and Regulations for the West Puerto Chiquito-Mancos Oil Pool, including a provision for 32-acre spacing units.

(8) That the applicant further seeks the establishment of an administrative procedure whereby the operators in the West Puerto Chiquito-Mancos Oil Pool would be permitted to conduct interference tests and to transfer allowables among producing wells on the same lease or, if in a unitized area, to wells in the same participating area in order to facilitate the gathering of information pertaining to reservoir characteristics.

(9) That the Puerto Chiquito-Gallup Oil Pool (redesignated the Puerto Chiquito-Mancos Oil Pool) encompasses more than one separate common source of supply and should therefore be abolished.

(10) That each of the proposed pools encompasses a separate common source of supply.

(11) That the East Puerto Chiquito-Mancos Oil Pool and the West Puerto Chiquito-Mancos Oil Pool should be created with horizontal limits as proposed by the applicant and vertical limits comprising the Niobrara member of the Mancos shale.

(12) That the East Puerto Chiquito-Mancos Oil Pool should be governed by all the previous rules, regulations, and orders presently applicable to the Puerto Chiquito-Gallup Oil Pool (redesignated the Puerto Chiquito-Mancos Oil Pool).

(13) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary Special Rules and Regulations providing for 320-acre spacing units should be promulgated for the West Puerto Chiquito-Mancos Oil Pool.

(14) That the temporary Special Rules and Regulations for the West Puerto Chiquito-Mancos Oil Pool should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.

(15) That the said temporary Special Rules and Regulations should be established for a three-year period in order to allow the operators in the West Puerto-Chiquito Mancos Oil Pool to

**(EAST PUERTO CHIQUITO-MANCOS AND WEST PUERTO CHIQUITO-MANCOS POOLS - Cont'd.)**

gather reservoir information to establish the area that can be efficiently and economically drained and developed by one well.

(16) That an administrative procedure should be established whereby the operators in the West Puerto Chiquito-Mancos Oil Pool would be permitted to conduct interference tests and to transfer allowables among producing wells on the same lease or, if in a unitized area, to wells in the same participating area, during the temporary three-year period in order to facilitate the gathering of information pertaining to reservoir characteristics.

(17) That this case should be reopened in November, 1969, at which time the operators in the West Puerto Chiquito-Mancos Oil Pool should appear and show cause why the said pool should not be developed on 40-acre spacing units.

**IT IS THEREFORE ORDERED:**

(1) That the Puerto Chiquito-Gallup Oil Pool (redesignated the Puerto Chiquito-Mancos Oil Pool) is hereby abolished.

(2) That a new pool in Rio Arriba County, New Mexico, classified as an oil pool for Mancos production, is hereby created and designated the East Puerto Chiquito-Mancos Oil Pool, with vertical limits comprising the Niobrara member of the Mancos shale, and with horizontal limits as follows:

**EAST PUERTO CHIQUITO-MANCOS OIL POOL****RIO ARRIBA COUNTY, NEW MEXICO****TOWNSHIP 25 NORTH, RANGE 1 EAST, NMPM**

Sections 2 through 5: All  
Sections 8 through 10: All  
Sections 15 through 17: All  
Sections 20 through 22: All  
Sections 27 through 29: All  
Sections 32 and 33: All

**TOWNSHIP 26 NORTH, RANGE 1 EAST, NMPM**

Sections 3 through 10: All  
Sections 14 through 18: All  
Sections 20 through 23: All  
Sections 26 through 29: All  
Sections 32 through 35: All

**TOWNSHIP 27 NORTH, RANGE 1 EAST, NMPM**

Sections 3 through 10: All  
Sections 15 through 22: All  
Sections 27 through 30: All

**TOWNSHIP 27 NORTH, RANGE 1 WEST, NMPM**

Section 1: E/2  
Section 12: E/2  
Section 13: E/2  
Section 24: E/2  
Section 25: E/2

(3) That a new pool in Rio Arriba County, New Mexico, classified as an oil pool for Mancos production, is hereby created and designated the West Puerto Chiquito-Mancos Oil Pool, with vertical limits comprising the Niobrara member of the Mancos shale, and with horizontal limits as follows:

**WEST PUERTO CHIQUITO-MANCOS OIL POOL****RIO ARRIBA COUNTY, NEW MEXICO****TOWNSHIP 25 NORTH, RANGE 1 EAST, NMPM**

Sections 6 and 7: All  
Sections 18 and 19: All  
Sections 30 and 31: All

**TOWNSHIP 25 NORTH, RANGE 1 WEST, NMPM**

Sections 1 through 36: All

**TOWNSHIP 26 NORTH, RANGE 1 EAST, NMPM**

Section 19: All  
Sections 30 and 31: All

**TOWNSHIP 26 NORTH, RANGE 1 WEST, NMPM**

Sections 1 through 36: All

**TOWNSHIP 27 NORTH, RANGE 1 WEST, NMPM**

Section 1: W/2  
Sections 2 through 11: All  
Section 12: W/2  
Section 13: W/2  
Sections 14 through 23: All  
Section 24: W/2  
Section 25: W/2  
Sections 26 through 30: All

(4) That the East Puerto Chiquito-Mancos Oil Pool shall be governed by all the previous rules, regulations, and orders presently applicable to the Puerto Chiquito-Gallup Oil Pool (redesignated the Puerto Chiquito-Mancos Oil Pool).

**IT IS THEREFORE ORDERED THAT (By Order No. R-6469-B, February 1, 1986):**

(1) The Special Rules for the West Puerto Chiquito-Mancos Oil Pool, Rio Arriba County, New Mexico, as previously established by Division Order No. R-2565-B as amended by Division Orders Nos. R-2565-C and R-6469-A are hereby superseded.

(2) That new Special Rules are hereby established for the West Puerto Chiquito-Mancos Oil Pool incorporating new or revised provisions in compliance with the findings of this order and pre-existing rules not in conflict therewith, all as follows:

**SPECIAL RULES FOR THE WEST PUERTO CHIQUITO-MANCOS OIL POOL**

**RULE 1.** Each well completed or recompleted in the West Puerto Chiquito-Mancos Oil Pool shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.

**RULE 2.** Each well completed or recompleted in the West Puerto Chiquito-Mancos Oil Pool shall be located on a standard spacing or proration unit consisting of approximately 640-acres which shall comprise a single governmental section, being a legal subdivision of the United States Public Land Surveys. For purposes of these rules, a spacing or proration unit consisting of between 632 and 648 contiguous surface acres shall be considered a standard spacing or proration unit. No non-standard spacing or proration unit shall be authorized except after notice and hearing.

**RULE 3.** An exception to the provisions of Rule 2 above may be obtained administratively for a non-standard unit comprising all of a single governmental section but comprising less than 632 acres or more than 648 acres resulting from a correction in the lands survey.

To obtain such administrative approval, the applicant shall furnish the Division Director with appropriate plats and with the written consent of all operators owning lands offsetting the proration unit.

In lieu of furnishing such consent, the applicant may furnish proof that all of the aforesaid operators were notified by registered or certified mail of his intent to form the non-standard unit. The Division Director may approve the application upon receipt of the aforementioned written consents, or if no offset operator has objected to the non-standard unit within 30 days after the Director received the application.

**RULE 4. (a)** Each well completed or recompleted in the West Puerto Chiquito-Mancos Oil Pool shall be located no nearer than 1650 feet to the outer boundary of the proration unit nor closer than 330 feet to a quarter section line, provided however, that, with the exception of those areas as described in Rule 5 below, nothing contained herein shall be construed as permitting the drilling of more than one well on a spacing or proration unit.

(b) The operator of each well projected to and completed in the West Puerto Chiquito-Mancos Oil Pool shall conduct deviation tests on such well to determine the deviation from the vertical at least once each 500 feet or at the first bit change succeeding 500 feet. A tabulation of all deviation tests run, sworn to and notarized, shall be filed with Form C-104, Request for Allowable and Authorization to Transport Oil and Gas.

(c) If the total deviation, assumed in a constant direction, indicates a horizontal displacement of the lowermost perforation, or the bottom of the hole in the case of an open-hole completion, of more than 330 feet from the surface location, no allowable

**(EAST PUERTO CHIQUITO-MANCOS AND WEST PUERTO CHIQUITO-MANCOS POOLS - Cont'd.)**

shall be approved for the well unless a directional survey approved by the Division Director establishes a horizontal displacement of 330 feet or less, or unless the well has been approved for production, subject to a possible production penalty, after notice and hearing.

**RULE 5.** The Division Director may grant an exception to the surface location requirements of Rule 4 (a) without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed unorthodox location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Division Director may approve the application upon receipt of written waivers of objection from all operators or if no objection is received from any offsetting operator within 20 days after receipt of the application and written waivers have been received from all offset operators whose lands are being "crowded" either directly or diagonally by the proposed unorthodox location.

**RULE 6.** (a) A second well may be drilled on any proration unit which lies within the following described "Buffer Zone" which includes the western-most two rows of sections within the pool, all in Rio Arriba County, New Mexico:

**TOWNSHIP 24 NORTH, RANGE 1 WEST, NMPM**  
Sections 5 through 8: All

**TOWNSHIP 25 NORTH, RANGE 1 WEST, NMPM**  
Sections 5 through 8: All  
Sections 17 through 20: All  
Sections 29 through 32: All

**TOWNSHIP 26 NORTH, RANGE 1 WEST, NMPM**  
Sections 5 through 8: All  
Sections 17 through 20: All  
Sections 29 through 32: All

However, only one well shall be allowed in the western one-half of each section of the western-most row of sections in the above-described "Buffer Zone".

(b) The Director of The Oil Conservation Division may administratively extend the "Buffer Zone" upon an extension of the common boundary between the West Puerto Chiquito Oil Pool and the Gavilan-Mancos Oil Pool.

**RULE 7.** (a) Except as otherwise provided for in subparts (b) and (c), below, a standard spacing or proration unit in the West Puerto Chiquito-Mancos Oil Pool (632 through 648 acres) shall be assigned a top allowable of 1342 barrels of oil per day. Any non-standard spacing or proration unit containing less than 632 acres or more than 648 acres shall be assigned an allowable in the same ratio to 1342 as the acreage in the proration unit bears to 640.

(b) Any well on a proration unit which is located closer than 2310 feet from the eastern boundary of the Gavilan-Mancos Oil Pool shall not be allowed to produce that share of its proration unit's top allowable that is in excess of the top allowable for a well on a 320-acre proration unit in the Gavilan-Mancos Oil Pool.

(c) Any well in the pool which is the only well on a 640-acre proration unit and which is located 2310 feet or more from the eastern boundary of the Gavilan-Mancos Oil Pool shall be allowed to produce a full proration unit's top allowable.

(3) The Special Rules for the West Puerto Chiquito-Mancos Oil Pool as described above shall be made effective as of February 1, 1986.

(4) All other provisions as set forth by Division Order No. R-2565-B, as amended by Orders Nos. R-2565-C, R-6469, and R-6469-A, are hereby continued in full force and effect until further order of the Division.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

**VACUUM FIELD**  
(Unlined Salt Water Pits Prohibited)  
Lea County, New Mexico

Order No. R-3164, Prohibiting the Use of Unlined Salt Water Disposal Pits in Certain Areas of the Vacuum Field, Lea County, New Mexico, December 9, 1966.

In the Matter of the Hearing Called by the Oil Conservation Commission on its Own Motion to Permit all Operators in the Vacuum Field, Lea County, New Mexico, to Show Cause Why the Disposal of Produced Salt Water in Unlined Pits Should be Permitted in the Vacuum Field.

CASE NO. 3500  
Order No. R-3164

**ORDER OF THE COMMISSION**

**BY THE COMMISSION:** This cause came on for hearing at 9 a.m. on December 7, 1966, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 9th day of December, 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,