

BEFORE THE STATE OIL AND GAS BOARD OF MISSISSIPPI

FILED FOR RECORD

RE: PETITION OF FRIO EXPLORATION L.L.C.  
TO AMEND THE SPECIAL FIELD RULES  
FOR THE BERWICK FIELD  
AMITE COUNTY, MISSISSIPPI

AUG 12 1996

STATE OIL AND GAS BOARD  
DOCKET NO. 169-96-713  
OF H. Lewis, Supervisor

ORDER NO. 256 -96

ORDER

THIS MATTER came on for hearing this day upon the Petition of Frio Exploration L.L.C. asking for approval to amend the Special Fields Rules for the Berwick Field, Amite County, Mississippi, as an exception to the Statewide Rules and Regulations of the State Oil and Gas Board, State of Mississippi, and, the Board, after being fully advised, does hereby find as follows:

1.

Petitioner is the operator of the Braddock No. 1-38 Well located at a regular location 1,257 feet from the east line and 2,254 feet from the south line of Section 38, Township 2 North, Range 3 East, Amite County, Mississippi.

2.

The Braddock No. 1-38 Well is presently located on a 160 acre oil unit and Petitioner desires to confirm this unit as the production unit for the Frio Sand South Gas Pool A, the Frio Sand South B Gas Pool and the Frio Sand South C Gas Pool, all found in the subject well.

3.

The Frio Gas Sand South Pools A, B and C found in the Braddock No. 1-38 Well are separate and distinct sands from any other Frio gas sand found in the Berwick Field and are newly discovered sands in Berwick Field. The Frio Sands which Petitioner proposes to define by the attached proposed Amended Special Field Rules are part of the Oligocene Formation and, therefore, under Statewide Rule 8.2, may be located on 160 acre units. The 160-acre unit upon which the Braddock Well is situated is hereby approved.

4.

There are seven (7) separate and distinct Frio Gas Pools in the area defined as the Berwick Field, and Petitioner proposes to

define these pools as described in the proposed Amended Special Field Rules attached hereto as Exhibit "A" and made a part hereof for all purposes.

5.

Other than describing the seven (7) separate and distinct Frio Gas Pools in the Berwick Field, no changes have been proposed in the presently existing Special Field Rules for the Berwick Field, Amite County, Mississippi.

6.

The only other operators in the Berwick Field are Griffin & Griffin Oil Company, Inc., Oxy USA, Inc., Keystone Exploration, Inc., and Marklott & Roberts, and they are the only parties entitled to personal notice of the pendency of this Petition under Rule 4(B)(6) of the Rules of Order and Procedure for Hearings Before Board.

**IT IS, THEREFORE, ORDERED AND ADJUDGED** as follows:

1. The Special Field Rules which are attached to this Order as Exhibit "A" are hereby approved.

2. It is specifically ordered and adjudged that the Frio Sand South Pools A, B and C as found in the Braddock No. 1-38 Well are separate and distinct sands from any other Frio Gas Sand found in Berwick Field and are therefore entitled to the status of newly discovered sands in Berwick Field and the Braddock 1-38 Well is a discovery well within the meaning of Section 27-25-701 et seq., Mississippi Code Annotated (1972).

3. Petitioner shall acquire all other permits, if any, from all other permitting authorities.

**SO ORDERED AND ADJUDGED** this the 17<sup>th</sup> day of July, 1996.

**MISSISSIPPI STATE OIL AND GAS BOARD**

BY: Joseph D. Zuacaro  
CHAIRMAN

**OF COUNSEL:**  
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**EXHIBIT "A"**

**AMENDED SPECIAL FIELD RULES  
FOR THE BERWICK FIELD  
AMITE COUNTY, MISSISSIPPI**

- A. The Berwick Field, as used herein is that area consisting of the following described land, to-wit:

**Township 2 North, Range 3 East:**

All of Sections 23 and 24, the W 1/2 of Section 25, the SW 1/4 of Section 30, W 1/2 and SE 1/4 of Section 31, all of Sections 32, 33, 34 and 35, E 1/2 of Section 36, E 1/2 of Section 37, all of Sections 38, 39, 40, 41 and 42, the W 1/2 of Section 43, that portion of Section 44 west of the southerly extension of the east boundary of the W 1/2 of Section 43 and all of Section 47;

**Township 1 North, Range 3 East:**

The NW 1/4 of Section 1, that portion of Section 2 west of the northerly extension of the east boundary of the W 1/2 of Section 1, the W 1/2 and NE 1/4 of Section 3, all of Sections 4, 5, 6 and 7 and the N 1/2 of Section 8, N 1/2 of Section 9 and the NE 1/4 of Section 10.

- B. The Lower Tuscaloosa "A" Sand West Oil Pool shall be construed to mean those strata productive of oil and other hydrocarbons in the Lower Tuscaloosa Formation at the dual induction log interval of 12,145 feet - 12,193 feet as found in the Arkla Exploration-W.P. Robert No. 1-35 Well, located in Section 35, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of oil and other hydrocarbons correlative to and in communication therewith.
- C. The Lower Tuscaloosa "A" Sand East Oil Pool shall be construed to mean those strata productive of oil and other hydrocarbons in the Lower Tuscaloosa Formation at the dual induction log interval of 12,088 feet - 12,171 feet as found in the Oxy, USA, Inc.-Mitchell No. A-1 Well, located in Section 42, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of oil and other hydrocarbons correlative to and in communication therewith.
- D. The Frio Sand West Gas Pool shall be construed to mean those strata productive of gas and other hydrocarbons in the Frio Formation at the dual induction log interval of 3,414 feet - 3,418 feet as found in the Arkla Exploration Company-Willodeane Robertson No. 1-35 Well, located in Section 35, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of gas and other hydrocarbons correlative to and in communication therewith.
- E. The Frio Sand East Gas Pool shall be construed to mean those strata productive of gas and other hydrocarbons in the Frio Formation at the dual induction log interval of 3,382 feet - 3,399 feet as found in the Arkla Exploration Company-No. 1-33 Longleaf Well, located in Section 33, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of gas and other hydrocarbons correlative to and in communication therewith.
- F. The Frio Sand South Gas Pool (A) shall be construed to mean those strata productive of gas and other hydrocarbons in the Frio Formation at the dual induction log interval of 3,355 feet - 3,570 feet as found in the Frio Exploration L.L.C. No. 1 S.J. Braddock Well, located in Section 38, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of gas and other hydrocarbons correlative to and in communication therewith.

- G. The Frio Sand South Gas Pool (B) shall be construed to mean those strata productive of gas and other hydrocarbons in the Frio Formation at the dual induction log interval of 3,621 feet - 3,672 feet as found in the Frio Exploration L.L.C. No. 1 S.J. Braddock Well, located in Section 38, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of gas and other hydrocarbons correlative to and in communication therewith.
- H. The Frio Sand South Gas Pool (C) shall be construed to mean those strata productive of gas and other hydrocarbons in the Frio Formation at the dual induction log interval of 3,821 feet - 3,837 feet as found in the Frio Exploration L.L.C. No. 1 S.J. Braddock Well, located in Section 38, Township 2 North, Range 3 East, Amite County, Mississippi, and those sands productive of gas and other hydrocarbons correlative to and in communication therewith.

**RULE 1 - SPACING OF WELLS IN THE LOWER TUSCALOOSA "A" SAND OIL POOLS:**

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(a) Every well completed in the Lower Tuscaloosa "A" Sand West Oil Pool and the Lower Tuscaloosa "A" Sand East Oil Pool shall be located on a drilling unit consisting of one hundred sixty (160) acres with a tolerance of ten percent (10%), more or less, or four (4) contiguous governmental quarter-quarter sections containing no less than one hundred forty-four (144) or more than one hundred seventy-six (176) acres upon which no other well drilling to or producing from said pool is located.

(b) All drilling units must be completely encompassed by the perimeter of a rectangle 2,640 feet x 3,500 feet; provided, however, no unit shall be permitted which will create island acreage.

(c) Each well shall be located at least fifteen hundred (1,500) feet from every other drilling well or well completed in or producing from the same pool.

(d) Each well shall be located at least seven hundred fifty (750) feet from every other exterior boundary of the drilling unit.

**RULE 2 - SPACING OF WELLS IN THE FRIO SAND WEST GAS POOL:**

(a) Every well completed in the Frio Sand West Gas Pool shall be located on a drilling unit consisting of one hundred sixty (160) contiguous surface acres or a governmental quarter section containing not less than one hundred forty-four (144) acres or more than one hundred seventy-six (176) acres. No other well producing from the same pool shall be located on any such unit.

(b) All units formed under Section (a) of this Rule must be completely encompassed by the perimeter of a rectangle 2,640 feet x 3,500 feet. No unit shall be permitted which will create island acreage.

(c) Each well shall be located at least fifteen hundred (1,500) feet from every other drilling well or well completed in or producing from the same pool.

(d) Each well shall be located at least seven hundred fifty (750) feet from every exterior boundary of the drilling unit.

**RULE 3 - SPACING OF WELLS IN THE FRIO SAND EAST GAS POOL:**

(a) Every well completed in the Frio Sand East Gas Pool shall be located on a drilling unit consisting of three

hundred twenty (320) contiguous surface acres or a governmental half section containing not less than three hundred (300) acres or more than three hundred forty (340) acres or eight (8) contiguous governmental quarter-quarter sections whose total acreage is not less than three hundred (300) nor more than three hundred forty (340) acres. No other well producing from the same pool shall be located on any such unit.

(b) Any gas unit formed under this Rule 3 must be completely encompassed by the perimeter of a rectangle 3,735 feet x 5,380 feet. No unit shall be permitted which will create island acreage.

(c) Each well shall be located at least nineteen hundred eighty (1,980) feet from every other drilling well or well completed in or producing from the same pool located in conformity with this rule.

(d) Each well shall be located not less than nine hundred ninety (990) feet from every exterior boundary of the drilling unit.

**RULE 4 - SPACING OF WELLS IN THE FRIO SAND SOUTH GAS POOLS  
(A), (B) and (C):**

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(a) Every well completed in the Frio Sand South Gas Pools (A), (B) and (C) shall be located on a drilling unit consisting of one hundred sixty (160) contiguous surface acres or a governmental quarter section containing not less than one hundred forty-four (144) acres or more than one hundred seventy-six (176) acres. No other well producing from the same pool shall be located on any such unit.

(b) All units formed under Section (a) of this Rule must be completely encompassed by the perimeter of a rectangle 2,640 feet x 3,500 feet. No unit shall be permitted which will create island acreage.

(c) Each well shall be located at least fifteen hundred (1,500) feet from every other drilling well or well completed in or producing from the same pool.

(d) Each well shall be located at least seven hundred fifty (750) feet from every exterior boundary of the drilling unit.

**RULE 5 - APPLICABILITY OF STATEWIDE RULES:**

(a) All rules and regulations contained in Statewide Order No. 201-51 and amendments thereto not specifically covered in the foregoing rules are hereby adopted and shall apply to the Berwick Field.

(b) The Board expressly reserves its right, after notice and hearing, to alter, amend or repeal all or any of the rules and regulations contained herein.