

Amending CFR

IN THE STATE OIL AND GAS BOARD OF MISSISSIPPI

RE: PETITION OF PRUET PRODUCTION COMPANY
TO REFORM THE DRILLING UNIT FOR ITS
YELVERTON 2-8 NO. 1 WELL, MAGEE
FIELD, SIMPSON COUNTY, MISSISSIPPI
AND TO DEFINE THE 12,890 FOOT RODESSA
OIL POOL.

FILED FOR RECORD

JAN 21 1987

STATE OIL AND GAS BOARD
A. Richard Henderson, Supervisor

DOCKET NO. 296-86-128

ORDER NO. 467-86

O R D E R

THIS DAY this matter came on for hearing before the State Oil and Gas Board on the Petition of Pruet Production Company to reform the present unit for its Yelverton 2-8 No. 1 Well and to define the 12,890 foot Rodessa Oil Pool, such hearing being called for such purpose; and

WHEREAS, the Board finds that due, proper, and legal notice of the meeting of the Board for the purpose of considering and taking action with respect to such matter was given in the manner and way provided by law and the rules and regulations of the Board; that due, legal, and sufficient proofs of publication are on file with the Board; and that the Board has full jurisdiction of the subject matter to hear and determine same; and

WHEREAS, pursuant to said notice given, public hearing was held by said Board in the 14th Floor Auditorium of the Walter Silfers State Office Building, 550 High Street, Jackson, Mississippi, commencing on December 17, 1986 at which hearing all persons present who desired to be heard on said matter were heard and all testimony and evidence were duly considered by those present at said meeting; and

WHEREAS, the Board having fully considered said matter and the evidence and recommendations made in said hearing, finds as follows:

1. By Order No. 290-82, Docket No. 210-82-128, the drilling unit for Petitioner's Yelverton 2-8 No. 1 Well was established on a regular 640 acre gas unit located in Magee

Field, Simpson County, Mississippi, more particularly described as follows:

Commencing at the northwest corner of Section 1, Township 10 North, Range 17 West, Simpson County, Mississippi, run thence southerly along the west line of said Section 1 for 566.5 feet to a point, said point hereinafter referred to as the point of beginning:

Thence easterly and parallel to the north line of said Section 1 for 3,607.2 feet, more or less;

Thence southerly and parallel to the east line of the west half of the East Half of said Section 1 for 5,420.6 feet, more or less;

Thence westerly along the south line of said Section 1 for 3,600.6 feet, more or less;

Thence northerly along the west line of said Section 1 for 2,243.6 feet, more or less;

Thence westerly along the south line of the North Half of the North Half of the Southeast Quarter of Section 2, Township 10 North, Range 17 West, Simpson County, Mississippi, for 2,626.0 feet, more or less;

Thence northerly along the west line of the East Half of said Section 2 for 3,172.9 feet, more or less;

Thence easterly and parallel to the north line of said Section 2 for 2,637.8 feet, more or less, to the point of beginning.

The above-described unit is situated in Sections 1 and 2, Township 10 North, Range 17 West, Simpson County, Mississippi, and does contain 640.0 acres.

Said well has been completed as a commercial producer in the Sligo Formation.

2. By Workover Permit No. 14 dated July 30, 1986, Petitioner was authorized to and did complete said well in a Rodessa Oil Pool. In order to properly produce from the 12,890 foot Rodessa Sand Oil Pool in this field, it is necessary to reform the unit for this well. Therefore, Petitioner proposes that the unit for this well be reformed to an 86.84 acre oil unit more particularly described as follows:

The Southwest Quarter of the Northwest Quarter (SW 1/4 NW 1/4) of Section 1 and the Southeast Quarter of the Northeast Quarter (SE 1/4 NE 1/4) of Section 2, both in Township 10 North, Range 17 West, Magee Field, Simpson County, Mississippi.

A copy of a certified plat showing the existing and revised drilling units for the Yelverton 2-8 No. 1 Well has been filed with the Petition in this matter.

3. The proposed reformed unit for this well would be regular in all respects and is necessary to prevent waste and protect the co-equal and correlative rights of the owners in the proposed unit.

4. It is necessary and appropriate that the Special Field Rules for Magee Field contain a definition of the 12,890 foot Rodessa Oil Pool, which is proposed as follows:

The 12,890 Foot Rodessa Oil Pool as found in Magee Field is construed to mean the interval between 12,894 feet MD and 12,954 feet MD on the Yelverton 2-8 Induction Electric Log and all correlative intervals found in other wells within the south fault segment of Magee Field.

5. The characteristics of the hereinabove described 12,890 foot Rodessa Oil Pool are such, and evidence shows, that a well completed in the 12,890 foot Rodessa Oil Pool of Magee Field can effectively and efficiently drain 80 acres underlain by said pool. Said spacing is therefore necessary to properly develop the 12,890 Foot Rodessa Oil Pool of Magee Field, Simpson County, Mississippi without waste and the drilling of unnecessary wells.

IT IS, THEREFORE, ORDERED AND ADJUDGED that the unit for the Yelverton 2-8 No. 1 Well be and is hereby amended and reformed to the 86.84 acre oil unit described in paragraph 2 above.

IT IS FURTHER ORDERED AND ADJUDGED that the following Special Field Rules be and are hereby amended for Magee Field, Simpson County, Mississippi:

SPECIAL FIELD RULES FOR
THE MAGEE FIELD
SIMPSON AND SMITH COUNTIES, MISSISSIPPI

A. FIELD AREA:

The Magee Field, as used herein, is that geographical area consisting of the following described lands, to-wit:

All of Section 34, approximately the W 1/2 of Section 35, Township 1 North, Range 6 East, Simpson County, Mississippi, and approximately the E 1/2 of Section 35, and the W 1/2 of

Section 36, Township 1 North, Range 6 East,
Smith County, Mississippi;

N 1/2 of Section 6, Township 10 North, Range
16 West, Smith County, Mississippi; and

Sections 1 and 2, Township 10 North, Range 17
West, Simpson County, Mississippi.

B. POOL DEFINITIONS:

1. The Washita-Fredericksburg D-3 Pool, as used herein, shall be construed to mean those strata productive of oil from the depth of 10,400 feet to 10,480 feet as indicated on the electric log in the Cities Service Oil Company's Womack "D" Well No. 3 located in the NW 1/4 of SE 1/4 of Section 34, Township 1 North, Range 6 East, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

2. The 10,586 Foot Paluxy Sand Oil Pool, as used herein, shall be construed to mean those strata productive of oil from the depth of 10,586 feet to 10,614 feet as shown on the electric log of the U.S. Energy Search, Inc. - #1 G. H. Sullivan Well, located 200 feet South of the North line and 757 feet East of the West line of Section 6, Township 10 North, Range 16 West, Smith County, Mississippi, and all strata productive of oil which can be correlated therewith.

3. The 10,756 Foot Paluxy Sand Oil Pool, as used herein, shall be construed to mean those strata productive of oil from the depth of 10,756 feet to 10,764 feet as shown on the electric log of the Pruet Production Co. - Floyd E. Wells No. D-1 Well located 331 feet from the North line and 250 feet from the West line of Section 6, Township 10 North, Range 16 West, Smith County, Mississippi, and all strata productive of oil which can be correlated therewith.

4. The 10,780 Foot Paluxy Sand Oil Pool, as used herein, shall be construed to mean those strata productive of oil from the depth of 10,780 feet to 10,790 feet as shown on the electric log of the Pruet Production Co. - Floyd E. Wells No. D-1 Well located 331 feet from the North line and 250 feet from the West line of Section 6, Township 10 North, Range 16 West, Smith

County, Mississippi, and all strata productive of oil which can be correlated therewith.

5. The 10,820 Foot Paluxy Sand Oil Pool, as used herein, shall be construed to mean those strata productive of oil from the depth of 10,814 feet to 10,830 feet as shown on the electric log of the Pruet Production Co. - Floyd E. Wells No. D-1 Well located 331 feet from the North line and 250 feet from the West line of Section 6, Township 10 North, Range 16 West, Smith County, Mississippi, and all strata productive of oil which can be correlated therewith.

6. The Paluxy E-4 Sand Oil Pool as used herein is defined as that certain interval in the Lower Cretaceous Formation occurring from 11,460 feet to 11,520 feet on the electric log of the Cities Service Co. - C. M. Wells A No. 1 Well located in the SW 1/4 of the SW 1/4 of Section 35, Township 1 North, Range 6 East, Simpson County, Mississippi, and all productive extensions thereof.

7. The Upper Mooringsport Oil Pool, as used herein, shall be construed to mean that certain interval in the Lower Cretaceous Formation occurring from 11,696 feet to 11,714 feet on the electric log of the Cities Service Company - C. M. West A No. 1 Well located in the SW 1/4 of the SW 1/4 of Section 35, Township 1 North, Range 6 East, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

8. The Paluxy E-5 Sand Pool, as used herein, shall be construed to mean those strata underlying said field productive of oil from the depth of 12,015 feet to 12,075 feet as indicated on the electric log in the Cities Service Oil Company's Womack "D" Well No. 1, located in the NW 1/4 of the SE 1/4 of Section 34, Township 1 North, Range 6 East, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

9. The First Rodessa Pool, North Fault Segment, as used herein, shall be construed to mean those strata productive of oil

from the depth of 12,280 feet to 12,380 feet as indicated on the electric log in Cities Service Oil Company's Well - Womack Unit Well No. 1, located in the SE 1/4 of the SE 1/4 of Section 34, Township 1 North, Range 6 East, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

10. The Mooringsport Sand Oil Pool, as used herein, shall be construed to mean those strata of the Mooringsport Formation underlying said field productive of oil from the depth of 12,350 feet to 12,390 feet in the Larco Drilling Co., et al. - Vyron Womack #1 Well, upon a drilling unit located as beginning at South common corner of Sections 34 and 35, Township 1 North, Range 6 East, on North line of Section 1, Township 10 North, Range 17 West, thence South 1,320 feet; thence West 1,320 feet; thence North 1,320 feet to the North line of Section 1, Township 10 North, Range 17 West; thence East with North line of said Section 1 a distance of 1,320 feet to the point of beginning, containing 40 acres, more or less, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

11. The Rodessa Oil Pool in the Magee Field shall be construed to mean those strata of the Rodessa Formation productive of oil in the interval between 12,355 feet to 12,460 feet in the LaRue-Smith Producing Company - No. 2 Vyron Womack Well, as indicated on the electric log of said well, and all sands correlative of those strata productive of oil.

12. The 12,626 Foot Rodessa Gas Pool, as used herein, shall be construed to mean those strata of the Rodessa Formation underlying said field, productive of gas from the depth of 12,626 feet to 12,696 feet as shown on the neutron lifetime log of the America Southwest Corp. - G. H. Sullivan Well located 200 feet South and 757 feet East of the Northwest Corner of Section 6, Township 10 North, Range 16 West, Smith County, Mississippi, and all strata productive of gas which can be correlated therewith.

13. The 12,890 Foot Rodessa Oil Pool as found in Magee Field is construed to mean the interval between 12,894 feet MD and 12,954 feet MD on the Yelverton 2-8 Induction Electric Log and all correlative intervals found in other wells within the south fault segment of Magee Field.

14. The First Rodessa Pool, West Fault Segment, as used herein, shall be construed to mean those strata productive of gas from the depth of 12,900 feet to 12,934 feet as indicated on the electric log in the Hughes & Hughes, Everett-Mangum Well No. 1, located in the SE 1/4 of SW 1/4 of Section 34, Township 1 North, Range 6 East, Simpson County, Mississippi, and including those strata productive of gas which can be correlated therewith.

15. The 12,940 Foot Rodessa Oil Pool in the Magee Field shall be construed to mean those strata of the Lower Cretaceous System productive of hydrocarbons occurring between the measured depths of 12,938 feet to 12,974 feet on the Dual Induction Log of the Pruet Production Co. - Mangum 2-1 Well No. 1 located 500 feet from the East line and 820 feet from the North line of Section 2, Township 10 North, Range 17 West, Simpson County, Mississippi.

16. The Womack Sand Pool, as used herein, shall be construed to mean those strata of the Sligo Formation underlying said field productive of oil from the depth of 12,980 feet to 13,010 feet in the Cities Service Petroleum Company Wells "D" Well No. 1 (formerly the Arkansas Fuel Oil Corp. - Floyd E. Wells, et al. Well No. 1), located in the NW 1/4 of NW 1/4 of Section 6, Township 10 North, Range 16 West, Smith County, Mississippi, and including those strata productive of oil which can be correlated therewith.

17. The 13,075 Foot Sligo Oil Pool, as used herein, shall be construed to mean those strata of the Sligo Formation underlying said field productive of oil from the depth of 13,075 feet to 13,092 feet in the Larco Drilling Co. - Vyron Womack No. 1 Well located 150 feet from the East line and 100 feet from the North line of the drilling unit assigned to said well in Section 1, Township 10 North, Range 17 West, Simpson County, Mississippi, as

indicated on the electric log of said well, and including those strata productive of oil which can be correlated therewith.

18. The South Womack Sand Pool, as used herein, shall be construed to mean those strata of the Sligo Formation underlying said field productive of oil from the depth of 13,460 feet to 13,484 feet in the Pruet Production Co. - Vyron Womack 1-3 Well No. 1, as shown by the electrical log thereof, said well being located 500 feet from the North line and 2,140 feet from the West line of Section 1, also being the North and West lines of the 80-acre drilling unit assigned to said well, in Township 10 North, Range 17 West, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

19. The 13,560 Foot Sligo Sand Gas Pool, as used herein, shall be construed to mean those strata of the Sligo Formation underlying said field productive of gas from the depth of 13,554 feet to 13,576 feet in the Pruet Production Co. - Yelverton 2-8 Well No. 1, as shown by the electrical log thereof, said well being located 2,110 feet from the North line and 330 feet from the East line of Section 2, Township 10 North, Range 17 West, Simpson County, Mississippi, and including those strata productive of gas which can be correlated therewith.

20. The Wells Sand Pool, as used herein, shall be construed to mean those strata of the Hosston Formation underlying said field productive of oil from a depth of 13,536 feet to 13,800 feet in the George D. Hunt, et al. - Howard Womack Unit Well No. 2, located in the NE 1/4 of the SE 1/4 of Section 34, Township 1 North, Range 6 East, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

21. The South Lower Wells Oil Pool, as used herein, shall be construed to mean those strata of the Hosston Formation underlying said field productive of oil from the depth of 14,092 feet to 14,310 feet in the Pruet Production Co. - Keyes 1-6 Well No. 1, as shown by the electrical log thereof, said well being located 1,951 feet from the West line and 1,930 feet from the

North line of Section 1, Township 10 North, Range 17 West, Simpson County, Mississippi, and including those strata productive of oil which can be correlated therewith.

C. RULES:

Rule 1 - Spacing of Wells

1. The characteristics of the hereinabove described oil pools, with the exception of the South Womack Sand Pool, the South Lower Wells Oil Pool, the 12,890 Foot Rodessa Oil Pool and the 12,940 Foot Rodessa Oil Pool are such, and evidence shows, that the wells drilled to such oil pools should be on 40-acre units in conformance with the Statewide Rules and Regulations for 40-acre oil units, and when completed in any of such pools will efficiently drain and produce the recoverable hydrocarbons from such unit in such pool without avoidable waste.

2. The characteristics of the hereinabove described South Womack Sand Pool, South Lower Wells Oil Pool, 12,890 Foot Rodessa Oil Pool and the 12,940 Foot Rodessa Oil Pool are such, and evidence shows that the wells drilled to such oil pools should be on 80-acre units in conformance with the Statewide Rules and Regulations for 80-acre oil units and when completed in such pools will efficiently drain and produce the recoverable hydrocarbons from such units in such pools without avoidable waste.

3. The characteristics of the South Womack Sand Pool, the South Lower Wells Oil Pool, the 12,890 Foot Rodessa Oil Pool and the 12,940 Foot Rodessa Oil Pool are such that every oil well in said pools:

- (a) shall be located on a drilling unit consisting of eighty (80) surface contiguous acres, or two governmental quarter-quarter sections containing not less than seventy-two (72) acres or more than eighty-eight (88) acres, upon which no other drilling or producible well in such pool is located;
- (b) any drilling unit not composed of two governmental quarter-quarter sections must be completely encompassed by the perimeter of a rectangle 1,600 feet by 2,725 feet; provided, however, no unit shall be permitted which will create island acreage;
- (c) the well shall be located at least 1,000 feet from every other drilling or producible well in the same pool located in conformity with this rule; and

- (d) the well shall be located at least 500 feet from every exterior boundary of the drilling unit.

4. The characteristics of the said First Rodessa Pool, West Fault Segment are such that wells located and drilled upon drilling units containing 320 acres conforming to the requirements of the Statewide Rules and Regulations governing the spacing of gas wells will efficiently drain and produce the recoverable hydrocarbons from said First Rodessa Pool, West Fault Segment, without avoidable waste.

5. The characteristics of the 12,626 Foot Rodessa Gas Pool are such that every gas well in said pool:

- (a) shall be located on a drilling unit consisting of 320 contiguous surface acres, or a governmental half section containing not less than 300 acres or more than 320 acres, upon which no other drilling or producible well is located;
- (b) any gas drilling unit on a governmental half section must be completely encompassed by a perimeter of a rectangle 3,735 feet to 5,380 feet; provided, however, no unit shall be permitted which will create island acreage;
- (c) the well shall be located at least 1,980 feet from every other drilling or producible well located in conformity with this rule; and
- (d) the well shall be located not less than 990 feet from every exterior boundary of the unit.

6. The characteristics of the said 13,560 Foot Sligo Sand Gas Pool are such that wells located and drilled upon drilling units containing 640 acres conforming to the requirements of the Statewide Rules and Regulations governing the spacing of gas wells will efficiently drain and produce the recoverable hydrocarbons from said 13,560 Foot Sligo Sand Gas Pool without avoidable waste.

7. The characteristics of the 13,560 Foot Sligo Sand Gas Pool are such that every gas well in said pool:

- (a) shall be located on a drilling unit consisting of 640 contiguous surface acres; or a governmental section containing not less than 600 acres or more than 680 acres; or sixteen (16) contiguous governmental quarter-quarter sections whose total acreage is not less than 600 or more than 680 acres. In any case no other well producing from the same pool shall be located on any such unit;

- (b) any gas drilling unit formed under Section 1 above must be completely encompassed by the perimeter of a rectangle 5,580 feet by 6,245 feet. Provided, however, no unit shall be permitted which will create island acreage;
- (c) the well shall be located at least 3,000 feet from every other well or well completed in or producing from the same pool located in conformity with this rule; and
- (d) the well shall be located not less than 1,500 feet from every exterior boundary of the drilling unit.

Rule 2 - Drilling and Completion

The production string of casing shall be cemented with a calculated amount of cement necessary to fill the annular space to a point 500 feet above the shallowest producing oil pool penetrated by the well, except as to tubingless completion for which notice and hearing is required.

Rule 3 - Measurement of Casinghead Gas

Casinghead gas may be transported off each individual lease and commingled prior to measurement and such gas shall be measured through a master meter. The gas volume measured from the master meter will be allocated back to each individual lease based on monthly gas-oil-ratio tests and such tests may be witnessed by offset operators.

Rule 4 - General

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 Magee Field, and all Orders heretofore adopted and approved pertaining specifically to the Magee Field shall remain in force and effect.

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

ORDERED AND ADJUDGED this the 18th day of December, 1986.

MISSISSIPPI STATE OIL AND GAS BOARD

By: 

CHAIRMAN