

**STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

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

**CASE NO. 10678  
Order No. R-4988-A**

**APPLICATION OF CONOCO INC. FOR  
AN UNORTHODOX GAS WELL LOCATION  
AND TO AMEND DIVISION ORDER NO.  
R-4988, LEA COUNTY, NEW MEXICO.**

**ORDER OF THE DIVISION**

**BY THE DIVISION:**

This cause came on for hearing at 8:15 a.m. on March 4, 1993, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 19th day of March, 1993, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

**FINDS THAT:**

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Conoco Inc., seeks authority to drill its proposed Lockhart "B" Well No. 11 at an unorthodox gas well location 760 feet from the North line and 660 feet from the East line (Unit A) of Section 14, Township 21 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico.

(3) The applicant further seeks the amendment of Division Order No. R-4988, which order authorized the simultaneous dedication of an existing 480-acre non-standard gas proration unit in the Eumont Gas Pool comprising the W/2 of Section 13 and the E/2 E/2 of Section 14, Township 21 South, Range 36 East, NMPM, to the Conoco Inc. Lockhart "B" Well Nos. 7, 4 and 8 located, respectively, in Unit D of Section 13 and Units H and P of Section 14, to allow the simultaneous dedication of the subject proration unit to the proposed Lockhart "B" Well No. 11 and the existing Lockhart "B" Well No. 9 located in Unit L of Section 13.

(4) According to testimony and Division records, the applicant's Lockhart "B" Well Nos. 7, 4 and 8, previously Eumont Gas Pool producing wells, were turned over to Chevron USA Inc. during January, 1987 for use in the Eunice Monument South Unit Waterflood Project.

(5) The only well currently developing the Eumont Gas Pool within the subject non-standard gas proration unit is the applicant's Lockhart "B" Well No. 9 as described above.

(6) Pursuant to the Special Rules and Regulations for the Eumont Gas Pool as promulgated by Division Order No. R-8170, as amended, the standard setback for a 480-acre non-standard gas proration unit is 990 feet from the outer boundary of the proration unit.

(7) The vertical limits of the Eumont Gas Pool currently comprise the Yates, Seven Rivers and Queen formations.

(8) According to applicant's evidence and testimony, development in the Eumont Gas Pool within the subject non-standard gas proration unit has thus far been essentially limited to the Penrose member of the Queen formation.

(9) The applicant has recently discovered potential for significant gas production from the upper portion of the Seven Rivers formation within the northwestern portion of the subject non-standard gas proration unit.

(10) According to applicant's geologic evidence and testimony, a well at the proposed location should encounter a greater amount of net pay in the upper portion of the Seven Rivers formation than a well drilled at a standard location thereon, which should ultimately result in the recovery of a greater amount of gas from the subject proration unit, thereby preventing waste.

(11) Engineering estimates provided by the applicant at the hearing indicate that a well located at the proposed unorthodox location should recover approximately 25% more gas reserves from the subject proration unit than a well drilled at a standard well location thereon.

(12) The affected offset operators, Lewis Burleson Inc., John Hendrix Corporation and Chevron USA Inc., did not appear at the hearing in opposition to the application.

(13) No other offset operator and/or interest owner appeared at the hearing in opposition to the application.

(14) Approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the affected pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells and will otherwise prevent waste and protect correlative rights.

(15) The subject non-standard gas proration unit should be assigned an acreage factor of 3.0 in the Eumont Gas Pool for the purpose of assigning a gas allowable. In addition, the applicant should be allowed to produce the gas allowable assigned to the subject unit from either the Lockhart "B" Well No. 9 or Well No. 11 in any proportion.

**IT IS THEREFORE ORDERED THAT:**

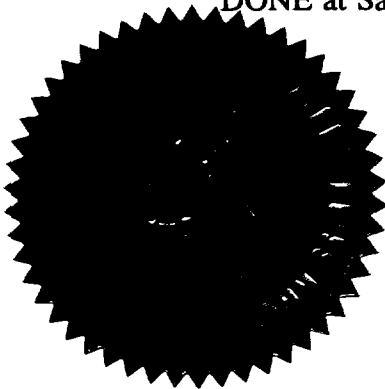
(1) The applicant, Conoco Inc., is hereby authorized to drill its Lockhart "B" Well No. 11 at an unorthodox gas well location 760 feet from the North line and 660 feet from the East line (Unit A) of Section 14, Township 21 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico.

(2) Division Order No. R-4988 is hereby amended to allow the simultaneous dedication of an existing 480-acre non-standard gas proration unit in the Eumont Gas Pool comprising the W/2 of Section 13 and the E/2 E/2 of Section 14, Township 21 South, Range 36 East, NMPM, to the above-described Lockhart "B" Well No. 11 and to the existing Conoco Inc. Lockhart "B" Well No. 9 located in Unit L of Section 13.

(3) The subject non-standard gas proration unit shall be assigned an acreage factor of 3.0 in the Eumont Gas Pool for the purpose of assigning a gas allowable. In addition, the applicant shall be allowed to produce the gas allowable assigned to the subject unit from either the Lockhart "B" Well No. 9 or Well No. 11 in any proportion.

(4) Jurisdiction is hereby 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.



S E A L

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

*William J. Lemay*  
WILLIAM J. LEMAY  
Director

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. 5425  
Order No. R-4988

APPLICATION OF CONTINENTAL OIL  
COMPANY FOR AN UNORTHODOX LOCATION  
AND SIMULTANEOUS DEDICATION, LEA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 5, 1975, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of March, 1975, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Continental Oil Company, is the owner and operator of the Lockhart B Wells Nos. 7, 4, and 8, located, respectively, at unorthodox locations in Unit D of Section 13 and in Units H and P of Section 14, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico.

(3) That the applicant seeks approval for the simultaneous dedication of a 480-acre non-standard gas proration unit comprising the W/2 of said Section 13 and the E/2 E/2 of said Section 14 to the above-described wells.

(4) That the applicant is also the owner and operator of the State KN-12 Wells Nos. 1 and 2, located, respectively, at an unorthodox location in Unit P and at an orthodox location in Unit N of Section 12, Township 19 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico.

(5) That the applicant seeks approval for the simultaneous dedication of a 320-acre non-standard gas proration unit comprising the S/2 of said Section 12 to the above-described wells.

(6) That the applicant further seeks authority to produce the allowable assigned to each of the units from the aforesaid wells on each unit in any proportion.

(7) That approval of the application will better enable the applicant to produce the gas under each of the subject proration units and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Continental Oil Company, is hereby authorized to simultaneously dedicate a 480-acre non-standard gas proration unit comprising the W/2 of Section 13 and the E/2 E/2 of Section 14, Township 21 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico, to its Lockhart B Wells Nos. 7, 4, and 8, located, respectively, at unorthodox locations in Unit D of said Section 13 and in Units H and P of said Section 14.

(2) That the allowable assigned to the above-described unit shall be based upon the unit size of 480 acres; that the operator may produce the allowable assigned to the unit from the subject wells in any proportion.

(3) That the applicant is further authorized to simultaneously dedicate a 320-acre non-standard gas proration unit comprising the S/2 of Section 12, Township 19 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico, to its State KN-12 Wells Nos. 1 and 2, located, respectively, at an unorthodox location in Unit P and at an orthodox location in Unit N of said Section 12.

(4) That the allowable assigned to the above-described unit shall be based upon the unit size of 320 acres; that the operator may produce the allowable assigned to the unit from the subject wells in any proportion.

(5) That Commission Order No. R-3490 is hereby superseded.

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

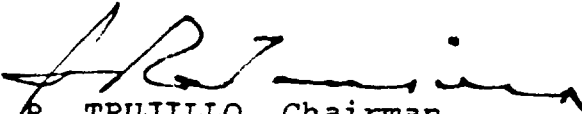
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Case No. 5425

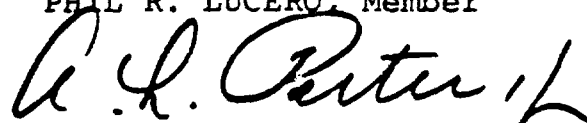
Order No. R-4988

DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
I. R. TRUJILLO, Chairman

  
PHIL R. LUCERO, Member

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

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STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
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ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on March 4, 1993, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this \_\_\_\_\_ day of March, 1993, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Conoco Inc., seeks authority to drill its proposed Lockhart "B" Well No. 11 at an unorthodox gas well location 760 feet from the North line and 660 feet from the East line (Unit A) of Section 14, Township 21 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico.

(3) The applicant further seeks the amendment of Division Order No. R-4988, which order authorized the simultaneous dedication of an existing 480-acre non-standard gas proration unit in the Eumont Gas Pool comprising the W/2 of Section 13 and the E/2 E/2 of Section 14, Township 21 South, Range 36 East, NMPM, to the Conoco Inc. Lockhart "B" Well Nos. 7, 4 and 8 located respectively in Unit D of Section 13 and Units H and P of Section 14, to allow the simultaneous dedication of the subject proration unit to the proposed Lockhart "B" Well No. 11 and the existing Lockhart "B" Well No. 9 located in Unit L of Section 13.

(4) According to testimony and Division records, the applicant's Lockhart "B" Well Nos. 7, 4 and 8, previously Eumont Gas Pool producing wells, were turned over to Chevron USA Inc. during January, 1987 for use in the Eunice Monument South Unit Waterflood Project.

(5) The only well currently developing the Eumont Gas Pool within the subject non-standard gas proration unit is the applicant's Lockhart "B" Well No. 9 as described above.

(6) Pursuant to the Special Rules and Regulations for the Eumont Gas Pool as promulgated by Division Order No. R-8170, as amended, the standard setback for a 480-acre non-standard gas proration unit is 990 feet from the outer boundary of the proration unit.

(7) The vertical limits of the Eumont Gas Pool currently comprise the Yates, Seven Rivers and Queen formations.

(8) According to applicant's evidence and testimony, development in the Eumont Gas Pool within the subject non-standard gas proration unit has thus far been essentially limited to the Penrose member of the Queen formation.

(9) The applicant has recently discovered potential for significant gas production from the upper portion of the Seven Rivers formation within the northwestern portion of the subject non-standard gas proration unit.

(10) According to applicant's geologic evidence and testimony, a well at the proposed location should encounter a greater amount of net pay in the upper portion of the Seven Rivers formation than a well drilled at a standard location thereon, which should ultimately result in the recovery of a greater amount of gas from the subject proration unit, thereby preventing waste.

(11) Engineering estimates provided by the applicant at the hearing indicate that a well located at the proposed unorthodox location should recover approximately 25% more gas reserves from the subject proration unit than a well drilled at a standard well location thereon.

(12) The affected offset operators, Lewis Burleson Inc., John Hendrix Corporation and Chevron USA Inc., did not appear at the hearing in opposition to the application.

(13) No other offset operator and/or interest owner appeared at the hearing in opposition to the application.

(14) Approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the affected pool, will prevent the economic loss



caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells and will otherwise prevent waste and protect correlative rights.

(15) The subject non-standard gas proration unit should be assigned an acreage factor of 3.0 in the Eumont Gas Pool for the purpose of assigning a gas allowable. In addition, the applicant should be allowed to produce the gas allowable assigned to the subject unit from either the Lockhart "B" Well No. 9 or Well No. 11 in any proportion.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Conoco Inc., is hereby authorized to drill its Lockhart "B" Well No. 11 at an unorthodox gas well location 760 feet from the North line and 660 feet from the East line (Unit A) of Section 14, Township 21 South, Range 36 East, NMPM, Eumont Gas Pool, Lea County, New Mexico.

(2) Division Order No. R-4988 is hereby amended to allow the simultaneous dedication of an existing 480-acre non-standard gas proration unit in the Eumont Gas Pool comprising the W/2 of Section 13 and the E/2 E/2 of Section 14, Township 21 South, Range 36 East, NMPM, to the above-described Lockhart "B" Well No. 11 and to the existing Conoco Inc. Lockhart "B" Well No. 9 located in Unit L of Section 13.

(3) The subject non-standard gas proration unit shall be assigned an acreage factor of 3.0 in the Eumont Gas Pool for the purpose of assigning a gas allowable. In addition, the applicant shall be allowed to produce the gas allowable assigned to the subject unit from either the Lockhart "B" Well No. 9 or Well No. 11 in any proportion.

(4) Jurisdiction is hereby 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.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director

S E A L