

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

2-4-93

BRUCE KING GOVERNOR POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

| P. O. SANTA | CONSERVATION DIVISION BOX 2088 FE, NEW MEXICO 87501 | | | |
|----------------|---|-----------------------|-------------|-------------|
| | Proposed: MCDHC | | | |
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| Gentl | emen: | | | |
| | e examined the applica | | | |
| <u>Opera</u> | Co oil & Has C | Lease & Well No. Unit | #6-C J#7-K | 21-20-37 |
| | | | 3-1-K | |
| anu iii | y recommendations are | as Tollows: | | |
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| Yours | very truly, | | | |
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| 30 | euser X | | | |
| • | Sexton visor, District 1 | | | |

/ed

ARCO Oil and Gas Company Western District Post Office Box 1610 Midland, TX 79702 Telephone (915) 688-5200



January 29, 1993

Mr. William J. LeMay
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe. New Mexico 87501

Mr. J. T. Sexton New Mexico Oil Conservation Division P. O. Box 1980 Hobbs, New Mexico 88240

Dear Mr. LeMay:

ARCO Oil and Gas Company respectfully requests administrative approval to amend an existing non-standard 320-acre Eumont gas spacing and proration unit (consisting of the W/2 of Section 21, T-20S, R-37E) by deleting 40-acres (the SE/4 NW/4) to form a non-standard 280-acre Eumont gas spacing and proration unit. The existing 320-acre spacing and proration unit was approved by Division Order NSP-1570(L)(SD), dated April 6, 1989 for the W. C. Roach #6 and the W. C. Roach #7 wells. On November 24, 1992, by Administrative Order SD-92-6, the W. C. Roach #5 was simultaneously dedicated to this 320-acre spacing and proration unit in anticipation of recompleting this well to the Eumont Gas Pool from the Eunice Monument Grayburg San Andres Pool. However, the recompletion of the W. C. Roach #5 has resulted in an oil well rather than a gas well (see attached C-105). Thus, ARCO is requesting to remove the 40-acres where the W. C. Roach #5 is located from the existing 320-acre spacing and proration unit in order to form a 40-acre spacing and proration unit for the W. C. Roach #5 in the Eumont Oil Pool.

Attached are C-102 forms identifying the proposed configuration of the 280-acre Eumont gas proration unit for the W. C. Roach #6 and the W. C. Roach #7 wells and the 40-acre Eumont oil proration unit for the W. C. Roach #5. Also attached is a list of offset operators for this unit, and a land plat map of the surrounding area.

ARCO Oil and Gas Company believes approval of this request will be in the interest of conservation, will protect correlative rights, and will allow for a more complete recovery of Eumont gas and Eumont oil reserves from the subject acreage.

ARCO Oil and Gas Company is notifying the offset operators of this application by sending a copy of this application package, along with waiver to objection forms, by certified mail. If you need further information, please call me at (915) 688-5446.

Sincerely.

David K. Newell

Senior Operations/Analytical Engineer

DKN:Irh

Attachments

Offset Operators:

Please indicate your approval for our request as detailed in the attached package by signing the waiver form below. Please return the signed waiver in the enclosed stamped, self-addressed envelope.

Thank you for your cooperation in this matter.

WAIVER TO OBJECTION

ARCO OIL AND GAS COMPANY

Application to amend an existing 320-acre Eumont gas proration unit by deleting 40-acres to form a 280-acre Eumont gas proration unit and a 40-acre Eumont oil proration unit

Eumont Gas Pool and Eumont Oil Pool W/2, Section 21, T-20S, R-37E Lea County, New Mexico

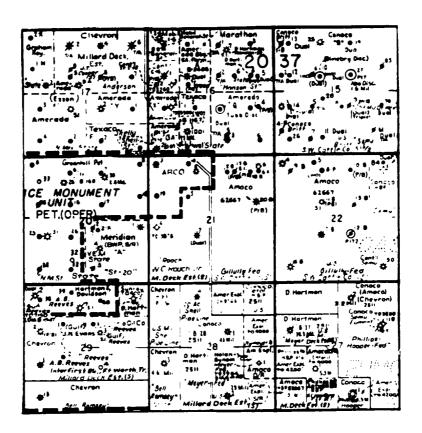
I/We do hereby waive any objection to ARCO Oil and Gas Company's request for NMOCD Administrative Approval to amend an existing 320-acre Eumont gas proration unit by deleting 40-acres to form a 280-acre Eumont gas proration unit and a 40-acre Eumont oil proration unit.

| Signed: | |
|----------|--|
| Title: | |
| Company: | |
| Date: | |

ARCO OIL AND GAS COMPANY

Application to ammend an existing 320-acre Eumont gas proration unit by deleting 40-acres to form a 280-acre Eumont gas proration unit and a 40-acre Eumont oil proration unit

Eumont Gas Pool and Eumont Oil Pool W/2, Section 21, T-20S, R-37E Lea County, New Mexico



OFFSET OPERATORS

Conoco, Inc.
Texaco Expl. & Prod.
Doyle Hartman
Amerada Hess Corp.
Chevron, USA
Meridian Oil, Inc.
R. B. Honeyman, Jr.
John H. Hendrix
Mobil Prod. TX & NM
Amoco Prod. Co.
Estoril Prod. Corp.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM \$8210 OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section

Well No. ARCO OIL AND GAS COMPANY W. C. ROACH 6 Unit Letter County C T-20-S R-37-E LEA NMPM Actual Pootage Location of Well: 660 NORTH 1980 WEST line and feet from the Ground level Elev. Producing Formation YATES / 7-RIVERS / OUEEN **EUMONT GAS** 280 Acres age dedicated to the subject well by colored peacil or hackure marks on the plat below. 2. If more then one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownsemble is dedicated to the well, have the interest of all owners been consolidated by communitization. unitization, force-pooling, etc.? Yes ☐ No If snewer is "yes" type of consolidation er is "no" list ti and tract descriptions which have actually been consolidated. (Use reverse aids of this form if sec No allowable will be an gaed to the well until all interests have been consolidated (by communication, unritation, forced-pooling, or otherwise) or until a non-examined unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION SECTION 21 6601 I hereby certify that the informa-T-20S, R-37E nined herein in true and complete to the best of my knowledge and belief. 1980' #6 Printed Name EVELYN GILSON Pomuon ENGINEERING TECHNICIAN Company ARCO OIL AND GAS COMPANY JANUARY 28, 1993 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my! 1980' supervison, and that the same is true and #7 correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of Professional Surveyor 19801 Certificate No. 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

<u>DISTRICT I</u>
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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1000 Rio Brazos Rd., Aziec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator | | | Lease | | _ | | Well No. | - |
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State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

WELL LOCATION AND ACREAGE DEDICATION PLAT

| ARCO OIL AND GAS COMPANY RACO OIL AND GAS COMPANY LEA **COMPANY RACO OIL AND GAS COMPANY LEA **COMPANY RACO OIL AND GAS COMPANY LEA **COMPANY LEA **COMPANY RACO OIL AND GAS COMPANY RACO O | | | All Die | tances must be | | r boundaries of the | section | | | |
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| Interest Processor Locations of West: 1650 feet from the NORTH time and 1650 feet from the WEST time contracts invention: 1650 feet from the NORTH time and 1650 feet from the WEST time. 1650 Proceedings formation produced from the North formation processor to the plant below. 1650 Test from the accessor dedicated to the subject well by accorded peaced or bedsess marks on the plant below. 1650 Test from the accessor of different covariables in dedicated to the well, custime each and identify the covariable the covariance and traction to the well, between the accessor of all owners been consolidated by communications, uncontracts, fore-pooling, at. 7 1650 Test from the consistency of the covariable and identify the covariable that the covariable and accessors, become of accessors and tract descriptions which have accessful been consolidated. (Use reverse adds of accessors, become of accessors, become of accessors, become of accessors, become of the covariable and accessors, become of the covariable and accessors, become of the covariable and accessors, become of the covariable and accessors, become of the covariable and accessors, and the covariable and accessors, and the covariable and accessors, and the covariable and accessors, and the covariable and accessors and tractions and tractions accessed accessors and tractions and tractions accessed accessors and tractions accessed accessors and tractions and tractions accessed accessors accessed accessors and tractions accessed accessors accessors and tractions accessed accessors accessors and tractions accessed accessors accessor | | | | S | _ | _F | | • | | |
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| ENGINEERING TECHNICIAN Company ARCO OIL AND GAS COMPANY Date JANUARY 29, 1993 SURVEYOR CERTIFICATION I hereby certify that the well location show on this plat was platted from field notes actual surveys made by me or under rappersion, and that the same is true at correct to the best of my knowledge at belief. Date Surveyed Signature & Seal of Professional Surveyor | | | 77 7777 | | | | 21 37E conta best of Signs | I hereby co sined herein is of my bounded Oure China Mame A | erify that if a true and c go and belief. | e informatio amplete to th |
| SURVEYOR CERTIFICATION I hereby certify that the well location shot on this plat was plotted from field notes actual surveys made by me or under resupervision, and that the same is true at correct to the bast of my knowledge at belief. Date Surveyed Signature & Seal of Professional Surveyor | 1650' | | # 5 | | | | ENC Comp ARC Date | SINEERIN CO OIL A | ND GAS | |
| on this plat was plotted from field notes actual surveys made by me or under resupervision, and that the same is true as correct to the bast of my knowledge as belief. Date Surveyed Signature & Seal of Professional Surveyor | | - Fee | m | | · · · · · · · · · · · · · · · · · · · | | | | | CATION |
| Certificate No. | - | | | | | | on the actual superior correct belief. Date: Signa Profes | is plat was j I sierveye ma nson, and th it to the be Surveyed nure & Sesi of tesonal Surveye | plotted from ide by me idi the same st of my lo | field notes of or under my is true and |
| | | <u> </u> | | | | | Cerufi | cale No. | | |

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|--|---|
| Submit to Appropriate District Office State Of New Mexico Energy, Minerals and Natural Resources Depa State Lease – 6 copies Fee Lease – 5 copies | runent Form C-105 Revised 1-1-89 |
| P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVIS | 30-025-24418 |
| DISTRICT III DISTRICT III Santa Fe, New Mexico 87504-2088 DISTRICT III | 5. Indicate Type of Lease STATE FEE X |
| 1000 Rio Brazos Rd., Aziec, NM 87410 | 6. State Oil & Gas Lease No. |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG La Type of Well: OIL WELL X GAS WELL DRY OTHER | 7. Lease Name or Unit Agreement Name |
| b. Type of Completion: NEW WORK DEEPEN BACK DEEP OTHER | W. C. ROACH |
| 2. Name of Operator ARCO OIL & GAS COMPANY | 8. Well No. |
| 3. Address of Operator P O BOX 1710 HOBBS, NEW MEXICO 88240 | 9. Pool name or Wildow EUMONT YATES 7RO |

| Unit Letter | <u>F</u> : 1650 | Feet From The | No: | cth | Line a | <u>1650</u> | _ | Fe | et From The <u>V</u> | VEST Line |
|--|---|----------------|-------------------------|----------------------|--------|------------------------|------|-----------------|----------------------|----------------------|
| Section | 21 | Township | 20 S | Range | 37 | E | NME | M | LEA | County |
| 10. Date Spudded 12/14/92 | 11. Date T.D. Reached | 12. Dete | Compl. (Ready 1/7/93 | io Prod.) | 13. | Elevations (| | | GR, etc.) | 14. Elev. Casinghead |
| 15. Total Depth 3808 | 16. Plug Back T 360 | | | e Compt. How ses? | | 18. Interva Drilled | ds . | 512 Rotary 1 | | Cable Tools |
| Producing Interval(3266-3593/ | s), of this completion - To . 37 1JSPF/ 35 | p, Bottom, Nac | Del . | | | | | | 1 | ectional Survey Made |
| 21. Type Electric and C CBL / CCL | | | | | | - | | 22. Was | Well Cored | |

CASING RECORD (Report all strings set in well) **CASING SIZE** WEIGHT LB/FT. DEPTH SET HOLE SIZE CEMENTING RECORD AMOUNT PULLED 8 5/8 24 426 325 4 1/2 9.5 3808 550 OR 4 403 SX 0

| LINER RECORD | | | | | 25. TU | BING RECORD | |
|---------------------|-----------------------------|----------------|----------|----------|---------------|-------------|------------|
| SIZE | SIZE TOP BOTTOM SACKS CEMEN | | | SCREEN | SIZE DEPTH | | PACKER SET |
| | | | | | 2 3/8 | 3555 | NO NO |
| 26. Perforation rec | ord (interval siz | re and number) | <u> </u> | ~ ACTD C | HOT TO LOT TO | | |

3266-3593 / .37 lJSPF/ 35 SHOTS

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 3266-3593 4200 GAL HEL. FRAC W/229 TONS CO2 & 274,000# 12/20

| 28. | | | PRODUCT | TON | CSAIVL | , | | |
|----------------------------------|---------------------------|----------------------------------|---------------------------|--------------------------------|------------------|----------------|-----------------------------------|--|
| Date First Production 1/7/93 | 1 | oduction Method (Fig. MPING, 2 X | Well Status (| Well Status (Prod. or Shut-in) | | | | |
| Date of Test 1/15/93 | Hours Tested 24 | Choke Size | Prod'a For Test Period | X 12 RWTC Oil - Bbl. 8 | Ges - MCF 400 | Water - Bbl. | Gas - Oil Ratio | |
| Flow Tubing Press. | Casing Pressure | Calculated 24- Hour Rate | Oil - Bbl. | Gas - MCF | Water - BbL | Oil Gravity | 50,000 Gravity - API - (Corr.) | |
| 9. Disposition of Gas (S SOLD | iold, used for fuel, venu | d, esc.) | | | Tes | t Witnessed By | | |

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

James Cogburn Name Titeperations Cordinator 1/20/93