

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

OIL CONSERVATION DIVISION  
RECEIVED



1993 FEB 13 AM 8 58

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:lrh

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**

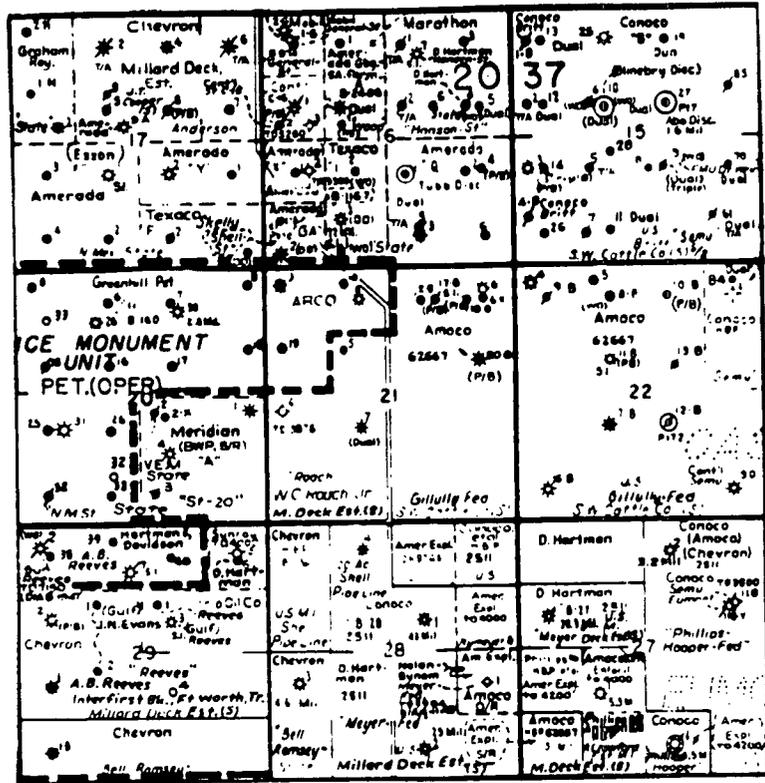
I/We do hereby waive any objection to ARCO Oil and Gas Company's request for NMOCD Administrative Approval to amend an existing 320-acre Eumont gas proration unit by deleting 40-acres to form a 280-acre Eumont gas proration unit and a 40-acre Eumont oil proration unit.

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

**OIL CONSERVATION DIVISION**

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

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

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

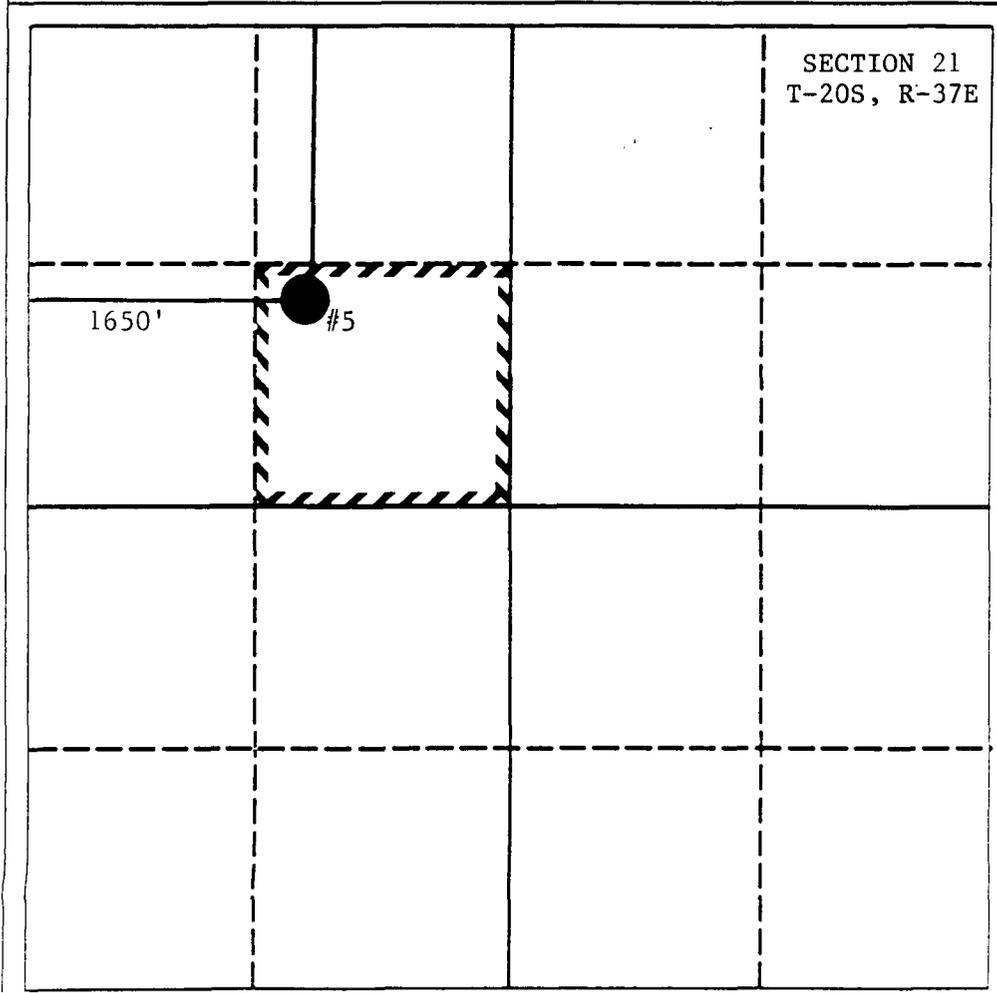
**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease W. C. ROACH		Well No. 5
Unit Letter F	Section 21	Township T-20-S	Range R-37-E	County LEA	
Actual Footage Location of Well: 1650 feet from the NORTH line and 1650 feet from the WEST line					
Ground level Elev. 3512	Producing Formation YATES/7-RIVERS/QUEEN		Pool EUMONT OIL	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
 Yes     No    If answer is "yes" type of consolidation \_\_\_\_\_  
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
*Evelyn E. Gilson*

Printed Name  
EVELYN GILSON

Position  
ENGINEERING TECHNICIAN

Company  
ARCO OIL AND GAS COMPANY

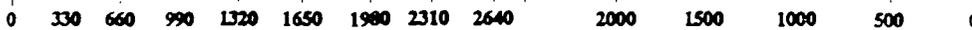
Date  
JANUARY 29, 1993

**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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.



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

**OIL CONSERVATION DIVISION**

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

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

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

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

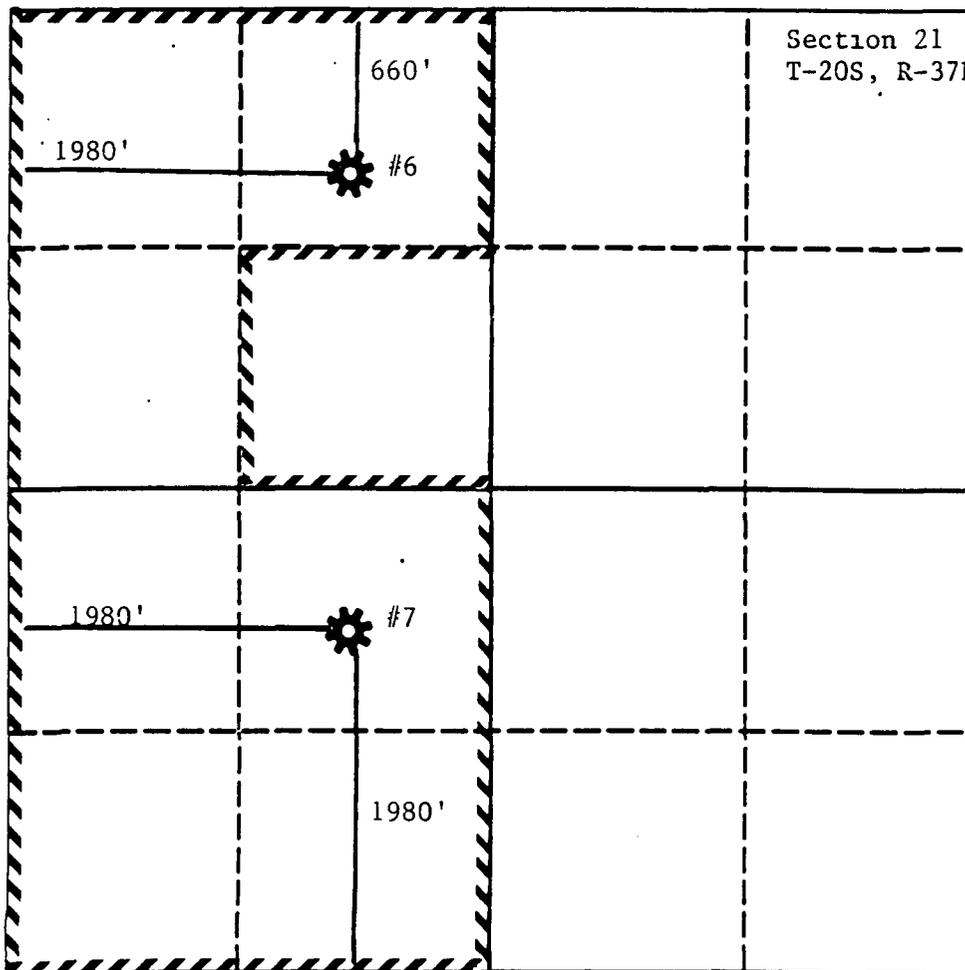
Operator ARCO OIL AND GAS COMPANY			Lease W. C. ROACH		Well No. 7
Unit Letter K	Section 21	Township T-20-S	Range R-37-E	County LEA	
Actual Footage Location of Well:					
1980 feet from the SOUTH line and		1980 feet from the WEST line			
Ground level Elev. 3509	Producing Formation YATES/7-RIVERS/QUEEN		Pool EUMONT GAS	Dedicated Acreage: 280 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

Yes     No    If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
*Evelyn E Gilson*  
 Printed Name  
 EVELYN GILSON

Position  
 ENGINEERING TECHNICIAN

Company  
 ARCO OIL AND GAS COMPANY

Date  
 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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed \_\_\_\_\_

Signature & Seal of Professional Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_

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

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

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

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

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

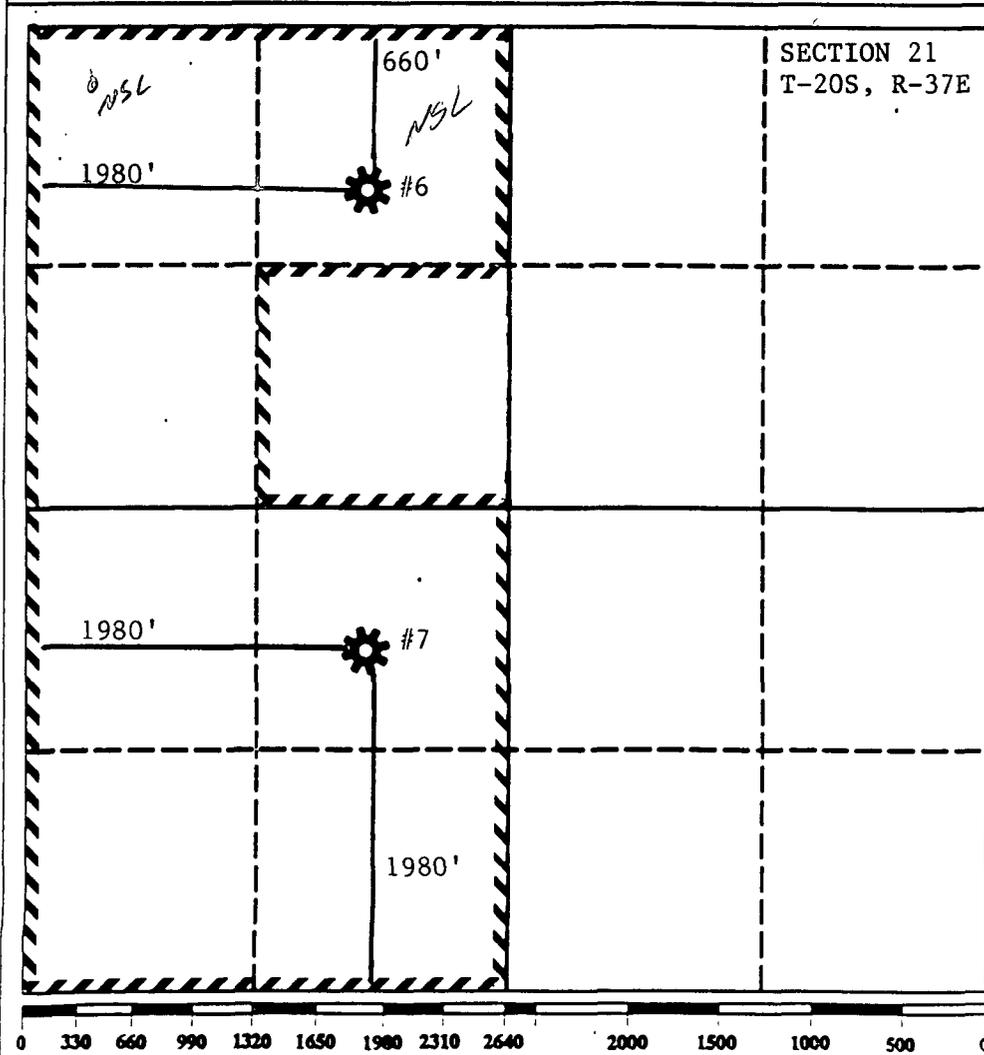
Operator ARCO OIL AND GAS COMPANY			Lease W. C. ROACH		Well No. 6
Unit Letter C	Section 21	Township T-20-S	Range R-37-E	County LEA	
Actual Footage Location of Well: 660 feet from the NORTH line and 1980 feet from the WEST line					
Ground level Elev. 3513	Producing Formation YATES/7-RIVERS/QUEEN		Pool EUMONT GAS	Dedicated Acreage: 280 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

Yes     No    If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Evelyn E Gilson  
 Printed Name: EVELYN GILSON  
 Position: ENGINEERING TECHNICIAN  
 Company: ARCO OIL AND GAS COMPANY  
 Date: 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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: \_\_\_\_\_  
 Signature & Seal of Professional Surveyor: \_\_\_\_\_  
 Certificate No.: \_\_\_\_\_

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

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

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
 Energy, Minerals and Natural Resources Department

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

Form C-105  
 Revised 1-1-89

WELL API NO.  
 30-025-24418

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. Type of Completion:  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DEEP RESVR  OTHER \_\_\_\_\_

2. Name of Operator  
 ARCO OIL & GAS COMPANY

3. Address of Operator  
 P O BOX 1710 HOBBS, NEW MEXICO 88240

7. Lease Name or Unit Agreement Name  
 W. C. ROACH

8. Well No.  
 5

9. Pool name or Wildcat  
 EUMONT YATES 7R0

4. Well Location  
 Unit Letter F : 1650 Feet From The North Line and 1650 Feet From The WEST Line  
 Section 21 Township 20 S Range 37 E NMPM LEA County

10. Date Spudded 12/14/92  
 11. Date T.D. Reached  
 12. Date Compl. (Ready to Prod.) 1/7/93  
 13. Elevations (DF & RKB, RT, GR, etc.) 3512 GR  
 14. Elev. Casinghead

15. Total Depth 3808  
 16. Plug Back T.D. 3608  
 17. If Multiple Compl. How Many Zones?  
 18. Intervals Drilled By Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name  
 3266-3593 / .37 IJSPF / 35 SHOTS  
 20. Was Directional Survey Made NO

21. Type Electric and Other Logs Run CBL / CCL  
 22. Was Well Cored NO

**23. 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	0
4 1/2	9.5	3808		550 ORG + 403 SX	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	3555	NO

26. Perforation record (interval, size, and number)  
 3266-3593 / .37 IJSPF / 35 SHOTS

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

**28. PRODUCTION**

Date First Production 1/7/93  
 Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING, 2 X 1 1/4 X 3 X 12 RWTC  
 Well Status (Prod. or Shut-in) PROD.

Date of Test 1/15/93  
 Hours Tested 24  
 Choke Size  
 Prod'n For Test Period Oil - Bbl. 8 Gas - MCF 400 Water - Bbl. 1 Gas - Oil Ratio 50.000

Flow Tubing Press. Casing Pressure 115  
 Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD  
 Test 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

Signature James Cogburn Printed Name James Cogburn Title Operations Coordinator Date 1/20/93



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

OIL CONSERVATION DIVISION '93 FEB 8 AM 9 37  
HOBBS DISTRICT OFFICE

2-4-93

BRUCE KING  
GOVERNOR

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

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RE: Proposed:  
MC \_\_\_\_\_  
DHC \_\_\_\_\_  
NSL \_\_\_\_\_  
NSP *X amend* \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Arcs oil & Gas Co. W.C. Roach #6-C & #7-K 21-20-37  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

*Jerry Sexton*  
Jerry Sexton  
Supervisor, District 1

/ed

OIL CONSERVATION DIVISION  
RECEIVED

'93 FEB 12 AM 8 46

**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, T20S, R37E  
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.

It is our understanding that the new Eumont gas proration unit of 280 acres will comprise the N/2 NW/4, SW/4 NW/4 and all of the SW/4 of Section 21, T20S, R37E, Lea County, New Mexico. Also that this 280 acres will continue to be simultaneously dedicated to the W. C. Roach Well Nos. 6 and 7.

Signed: FB Godbold  
Title: Engr. Supv.  
Company: Chevron U.S.A. Prod. Co.  
Date: 2/9/93