

Form 3160-5  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

CONOCOPHILLIPS CO.

## 3a. Address

P.O. BOX 2197 WL3 4061 HOUSTON TX 77252

## 3b. Phone No. (include area code.)

(832)486-2326

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

K SEC.19 T26N R6W  
2120' FSL & 2060' FWL

## 5. Lease Serial No.

NMSF 079295

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA/Agreement, Name and/or No.

## 8. Well Name and No.

REAMES COM 3

## 9. API Well No.

30-039-23257

## 10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL/OTERA C

## 11. County or Parish, State

RIO ARRIBA

NEW MEXICO

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>TRIMINGLE</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips proposes to downhole trimingle this well in the Basin Fruitland Coal, Otera Chacra, and Blanco Mesaverde as per the attached procedure. Also attached is the downhole commingle approval and our application to the New Mexico Oil Conservation Division. This well was originally completed as a dual then plug backed to a single in the Basin Fruitland Coal.

**CONDITIONS OF APPROVAL**

Adhere to previously issued stipulations.

## 14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBORAH MARBERRY

Title

REGULATORY ANALYST

Signature



Date

08/06/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by



Title

Petr. Eng

Date

8/8/03

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Reames Com #3**

API 30-039-23257

26N-6W-19

Lat:36°28'7.6" Long: 107°30'33.156"

**Objective:** The Reames Com #3 was completed in the Fruitland Coal in 1996. Before being completed in the Fruitland Coal, this well was a dual completion from the Chacra and Mesaverde formations. A 7" Baker Model D packer was left in the hole at 3400' above the MV formation w/ a "DR" plug in it. 3 sx of sand were spotted on top of the packer. A Baker Retrievable Bridge Plug was set above the Chacra formation at 2400'. This procedure is to remove the Retrievable Bridge Plug, CO above the packer and remove "DR" plug, remove packer w/ packer plucker, and tri-mingle this well as a Chacra/MV/FC producer.

**Well Information:** See Wellview

**Procedure:**

1. Hold pre-job safety meeting and review work procedures and assignments with all employees and visitors on location.
  - Ensure all personnel have proper personal protective equipment.
  - Emergency procedures and evacuation plans noted.
  - Review all MSDS and chemical safety information.
  - Lockout/tagout
2. Prepare location for work. Test deadmen anchors.
3. Move in and rig up pulling unit.
4. Kill well with **minimum 2% KCL** water.
5. ND wellhead and NU and pressure test BOPE.
6. Release lockdown lugs and PU on tubing.
7. RIH and tag sand on RPB at 2500'.. CO sand from top of RPB.
8. Retrieve RPB.
9. RIH and clean out sand on top of packer at 3400'.
10. Retrieve "DR" plug.
11. RIH w/ packer plucker, and remove.
12. RIH and clean out to PBTD at 4995'..
13. Land tubing at mid perf in MV w/ seating nipple on EOT.
14. Rabbit EACH joint of tubing AFTER making up to ensure tubing is not crimped by tongs and to ensure plunger will trip properly.  
This can be done by tying a rope the length of a joint w/ rabbit to some place on floor and running in after each makeup.
15. Run drift when finished to ensure plunger will run properly.
16. ND BOPE, NU wellhead.
17. RDMO.
18. Contact necessary people to set well up for plunger lift.

Prepared by: Tim Tomberlin  
February 27, 2003

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

811 South First, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

2040 South Pacheco, Santa Fe, NM 87505

**State of New Mexico**  
**Energy, Minerals & Natural Resources Department**

**OIL CONSERVATION DIVISION**  
**2040 South Pacheco**  
**Santa Fe, NM 87505**

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number 30-039-23257		2 Pool Code 71629		3 Pool Name BASIN FRUITLAND COAL	
4 Property Code		5 Property Name REAMES COM			6 Well Number 3
7 OGRID No. 217817		8 Operator Name CONOCOPHILLIPS CO.			9 Elevation 6176 GL

**10 Surface Location**

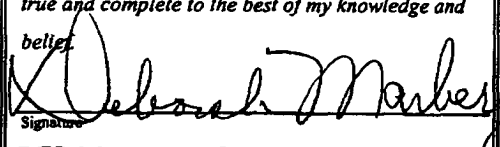
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	19	26N	6W		2120	SOUTH	2060	WEST	RIO ARRIBA

**11 Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320 W/2	13 Joint or Infill	14 Consolidation Code	15 Order No. NSL - 1696
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**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR  
 NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

16				<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>DEBORAH MARBERRY</b> Printed Name <b>REGULATORY ANALYST</b> Title <b>06/12/2003</b> Date
				<b>18 SURVEYOR CERTIFICATION</b> 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 belief.  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

2060'

2120'

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised August 15, 2000

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-23257		2 Pool Code 82329		3 Pool Name OTERA CHACRA	
4 Property Code		5 Property Name REAMES COM			6 Well Number 3
7 OGRID No. 217817		8 Operator Name CONOCOPHILLIPS CO.			9 Elevation 6176 GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	19	26N	6W		2120	SOUTH	2060	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 161.61	13 Joint or Infill	14 Consolidation Code	15 Order No. NSL - 1696
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Deborah Marberry</i></p> <p>Signature</p> <p>DEBORAH MARBERRY</p> <p>Printed Name</p> <p>REGULATORY ANALYST</p> <p>Title</p> <p>06/12/2003</p> <p>Date</p>
				<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

2060'

2120'

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102

Revised August 15, 2000

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Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-23257		2 Pool Code 72319		3 Pool Name BLANCO MESAVERDE	
4 Property Code REAMES COM		5 Property Name REAMES COM			6 Well Number 3
7 OGRID No. 217817		8 Operator Name CONOCOPHILLIPS CO.			9 Elevation 6176 GL

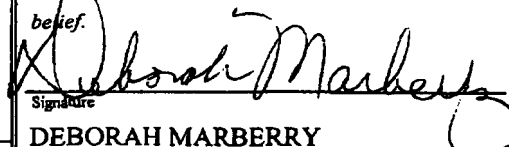
## 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	19	26N	6W		2120	SOUTH	2060	WEST	RIO ARriba

## 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 322.68		13 Joint or Infill		14 Consolidation Code		15 Order No. NSL - 1696			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 06/12/2003 Date
					18 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 belief.  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

2060'

2120'

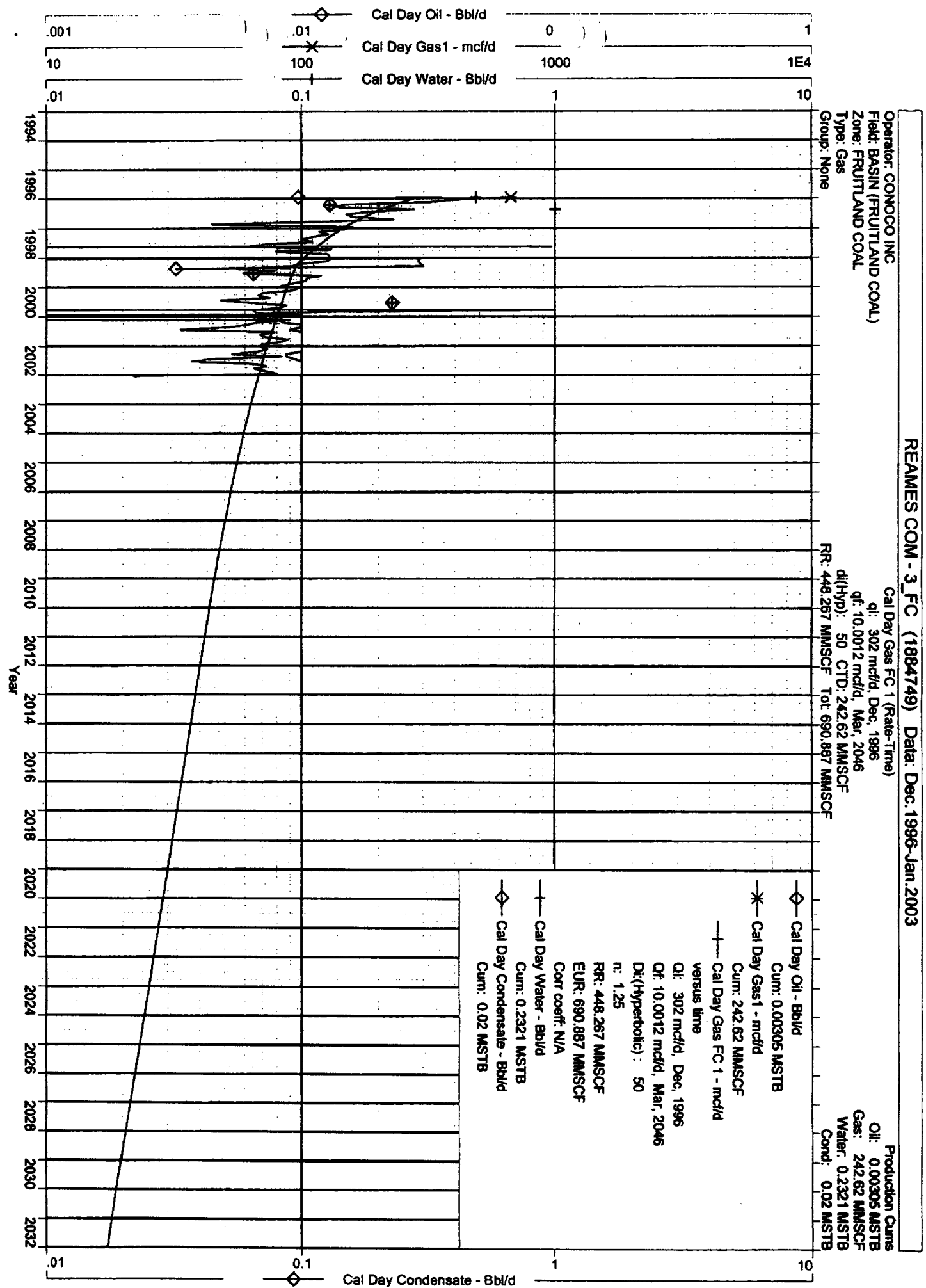
### **Reames Com # 3**

#### **Fruitland Coal, Mesa Verde, and Chacra Production Allocation**

The gas produced after commingling the Fruitland Coal, Mesa Verde, and Chacra formations for the Reames Com # 3 will be allocated by using the subtraction method to account for the production from the Fruitland Coal and the ratio method to divide the remaining gas production between the Mesa Verde and the Chacra formations.

Attached are the past production plots for the Fruitland Coal, Mesa Verde, and Chacra formations and the yearly and monthly 2003 Fruitland Coal gas forecasts. The remaining gas produced after subtracting out the Fruitland Coal gas will be allocated by the ratio method between the Mesa Verde and the Chacra formations. The two formations have not produced since the end of 1996 when they produced as a dual completion before completing the Fruitland Coal. From the prior stabilized production the additional gas will be divided up with 67.9 % of the gas production allocated to the Chacra formation and the remaining 32.1 % allocated to the Mesa Verde formation. All condensate produced from the well will be allocated to the Mesa Verde formation.

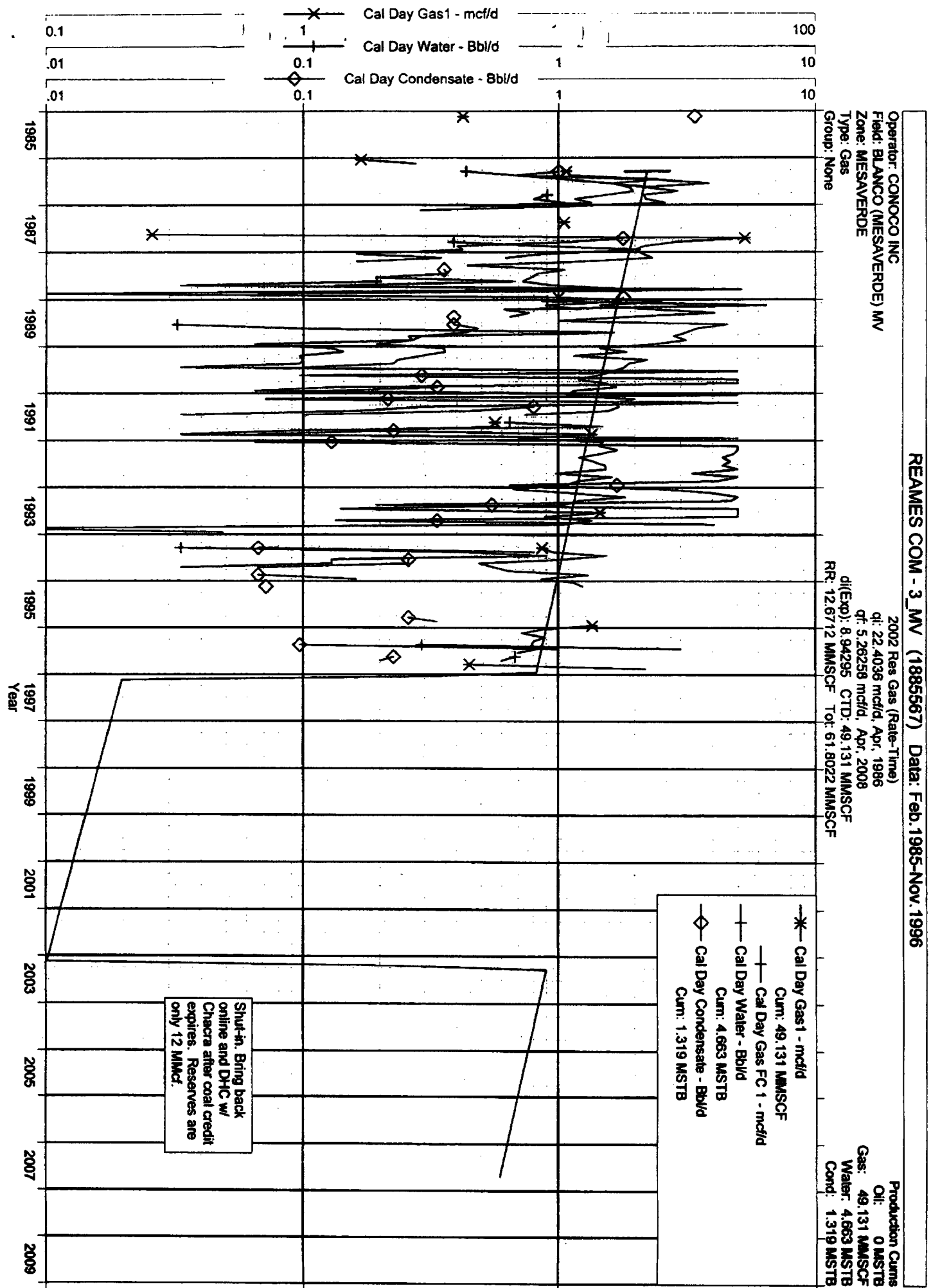
Prepared by: Brad Peterson  
March 24, 2003



## Reames Com 3 Fruitland Coal Gas Forecast

Year	Yearly Gas Rate mcf	Date	Daily Gas Rate mcf/d	Days	Monthly Gas Rate mcf
2004	22,339	2003 03	66.84	31	2072
2005	20,989	2003 04	66.44	30	1993
2006	19,810	2003 05	66.04	31	2047
2007	18,771	2003 06	65.65	30	1970
2008	17,846	2003 07	65.27	31	2023
2009	17,018	2003 08	64.89	31	2012
2010	16,273	2003 09	64.52	30	1936
2011	15,594	2003 10	64.15	31	1989
2012	14,953	2003 11	63.78	30	1913
2013	14,340	2003 12	63.42	31	1966
2014	13,752				
2015	13,188				
2016	12,647				
2017	12,129				
2018	11,631				
2019	11,154				
2020	10,696				
2021	10,258				
2022	9,837				
2023	9,433				
2024	9,047				
2025	8,676				
2026	8,319				
2027	7,978				
2028	7,651				
2029	7,338				
2030	7,036				
2031	6,748				
2032	6,471				
2033	6,205				
2034	5,951				
2035	5,707				
2036	5,473				
2037	5,248				
2038	5,033				
2039	4,826				
2040	4,629				
2041	4,439				
2042	4,256				
2043	4,082				
2044	3,915				
2045	3,754				



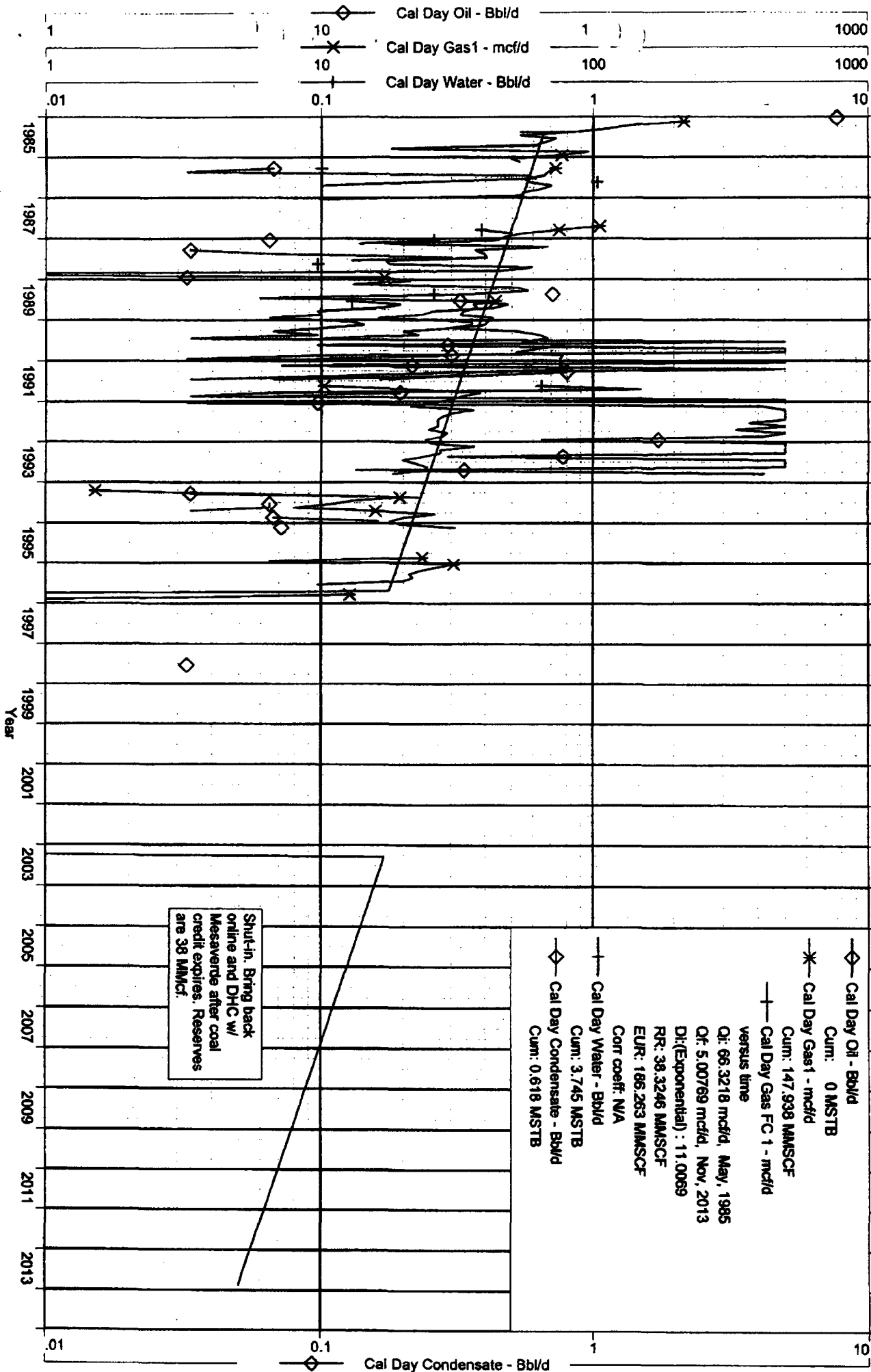


# REAMES COM - 3 CK (1885561) Data: Jan. 1985-Jul. 1998

Operator: CONOCO INC  
Field: OTERO (CHACRA) CK  
Zone: CHACRA  
Type: Gas  
Group: None

2002 Res Gas (Rate-Time)  
qi: 66,3218 mcf/d, May, 1985  
qt: 5,00769 mcf/d, Nov, 2013  
d(Exp): 11,0069 CTD: 147,938 MMSCF  
RR: 38,3246 MMSCF Tot: 186,263 MMSCF

Production Curves  
Oil: 0 MSTB  
Gas: 147,938 MMSCF  
Water: 3,745 MSTB  
Cond: 0,618 MSTB





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**  
Director

**Oil Conservation Division**

## **ADMINISTRATIVE ORDER DHC-3171**

ConocoPhillips Co.  
PO Box 2197 WL3 4061  
Houston, Texas 77252

Attention: Deborah Marberry

*Reames Com Well No. 3  
API No. 30-039-23257  
Unit K, Section 19, Township 26 North, Range 6 West, NMPM,  
Rio Arriba County, New Mexico  
Basin-Fruitland Coal (Gas 71629),  
Otero-Chacra (Gas 82329), and  
Blanco-Mesaverde (Prorated Gas 72319)*

Dear Ms. Marberry:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C.(1), the commingled oil pool shall be allowed to produce up to the top oil allowable and top casing head gas allowable applicable for that pool, and the maximum amount of gas that may be produced from the prorated gas pool shall be determined by Division Rules and Regulations, or by the gas allowable as printed in the Division's San Juan Basin Gas Proration Schedule.

*Administrative Order DHC-3141*  
*ConocoPhillips*  
*April 15, 2003*  
*Page 2*

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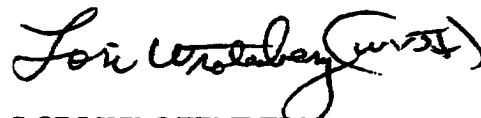
Assignment of allowable to the well and allocation of production from the well shall be on the following basis unless modified with permission of the Aztec District Office and copied to this office. The Fruitland Coal Gas shall be calculated as specified in the application from ConocoPhillips beginning at approximately 2,012 Mcf in August 2003, and declined hyperbolically from that rate. The remaining gas, if any, produced from the well shall be split between the Chacra (67.9%) and the Mesaverde (32.1%). Condensate shall be allocated 100 percent to the Blanco-Mesaverde Prorated Gas Pool.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 4th day of August 2003.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



LORI WROTENBERY  
Division Director

LW/wvjj

cc: Oil Conservation Division – Aztec  
Bureau of Land Management – Farmington

District I  
1023 N. Pecos Drive, Hobbs, NM 88240

District II  
811 South First Street, Arusha, NM 87210

District III  
1000 Rio Grande Road, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Min. and Natural Resources Department

Form 107A  
Revised 11/2000

# OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87505

## APPLICATION TYPE

☒ Single Well  
☐ Established Pre-Approved Pools

EXISTING WELLBORE  
☒ Yes ☐ No

## APPLICATION FOR DOWNHOLE COMMINGLING

CONOCOPHILLIPS CO.

P.O. BOX 2197 WL3 4061 HOUSTON TX 77252

Operator

Address

REAMES COM

3

K 19 26N 6W

RIO ARriba

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 217817 Property Code \_\_\_\_\_ API No. 30-039-23257 Lease Type ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BASIN FRUITLAND COAL	OTERA CHACRA	BLANCO MESA VERDE
Pool Code	71629	82329	72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2191 - 2346	3239 - 3343	4709 - 4781
Method of Production (Flowing or Artificial Lift)	FLOWING	EXPECTED TO FLOW	EXPECTED TO FLOW
Bottomhole Pressure (Note: Pressure data will not be required if the bottomhole pressure in the lower zone is within 150% of the depth of the top perforation in the upper zone)	350	475	550
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1175	1225	1250
Producing, Shut-in or New Zone	PRODUCING	SHUT-IN	SHUT-IN
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 03/24/2003 Rates: 67mcfd 0665 oil, 166 water	Date: 11/01/1996 Rates: 18 mcfd 0665 oil, 566 water	Date: 11/01/1996 Rates: 8 mcfd 166 oil, 166 water
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 0 % subtraction Gas see attached	Oil 0 % Ratio Gas 67.9 % see attached	Oil 100 % Ratio Gas 32.1 % see attached

### ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones?  
If not, have all working royalty and overriding royalty interest owners been notified by certified mail?

Yes \_\_\_\_\_ No ☒  
Yes ☒ No \_\_\_\_\_

Are all produced fluids from all commingling zones compatible with each other?

Yes ☒ No \_\_\_\_\_

Will commingling decrease the value of production?

Yes \_\_\_\_\_ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☒ No \_\_\_\_\_

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

### Attachments:

C-102 for each zone to be commingled showing its spacing unit and acreage dedication.

Production curve for each zone for at least one year. (If not available, attach explanation.)

For zones with no production history, estimated production rates and supporting data.

Data to support allocation method or formula.

Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

Any additional statements, data or documents required to support commingling.

### Pre-Approved Pools

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools

List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.

Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Deborah Marberry TITLE REGULATORY ANALYST DATE 06/13/2003

TYPE OR PRINT NAME DEBORAH MARBERRY TELEPHONE NO. (832) 486-2326