

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

2047

**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

FEB 25 1999

**[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

**[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox  
Print or Type Name

Signature

*Kay Maddox*

Regulatory Agent  
Title

2/20/99  
Date

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241 1980

DISTRICT II  
811 South First St. Artesia NM 88210 2835

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410 1693

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Form C-107-A  
New 3-12-96

APPROVAL PROCESS:  
☒ Administrative ☐ Hearing  
EXISTING WELLBORE  
☐ YES ☒ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500  
Lease San Juan 28-7 Unit Well No # 234 M Unit Ltr Sec Twp Rge Section 15, T-28-N, R-7-W, P County Rio Arriba  
OGRID NO. 005073 Property Code \_\_\_\_\_ API NO. 30-039- Spacing Unit Lease Types: (check 1 or more)  
Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4860-5879'		7494-7741'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		To Flow
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Or Measured Original	a (Current)  457	a.  	a.  751
	b(Original)  1230	b.  	b.  2946
6. Oil Gravity (°API) or Gas BT Content	1196		1159
7. Producing or Shut-In?	To be completed		To be completed
Production Marginal? (yes or no)  • If Shut-In give 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  • If Producing, date and oil/gas/water rates of recent test (within 60 days)	Expected Yes		Expected Yes
	Date Rates	Date Rates	Date Rates
	Est Rates 350-450 MCFD Allocation by test upon completion	Date Rates	Est Rates 400-500 MCFD Allocation by test upon completion
8. Fixed Percentage Allocation Formula - % or each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

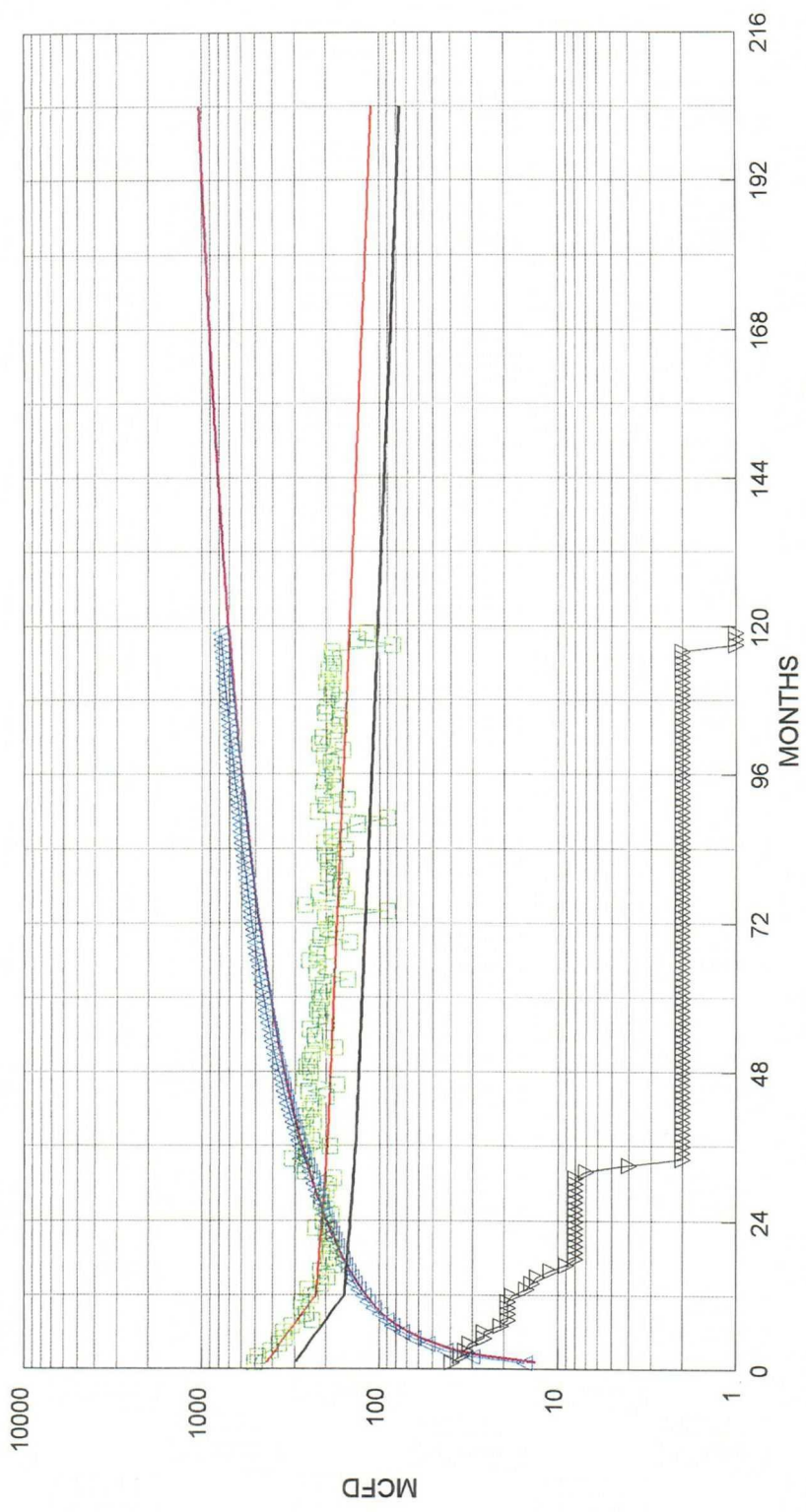
9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No  
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No  
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). R-10476 - B
16. 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 all offset operators.  
\* Notification list of working, overriding and royalty interests for uncommon interest cases.  
\* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE February 20, 1999  
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

# NORMALIZED MESAVERDE PRODUCTION

PROD. SINCE 1985; 39 MV WELLS LOCATED IN 28N-7W (37 wells are 1990's completions)

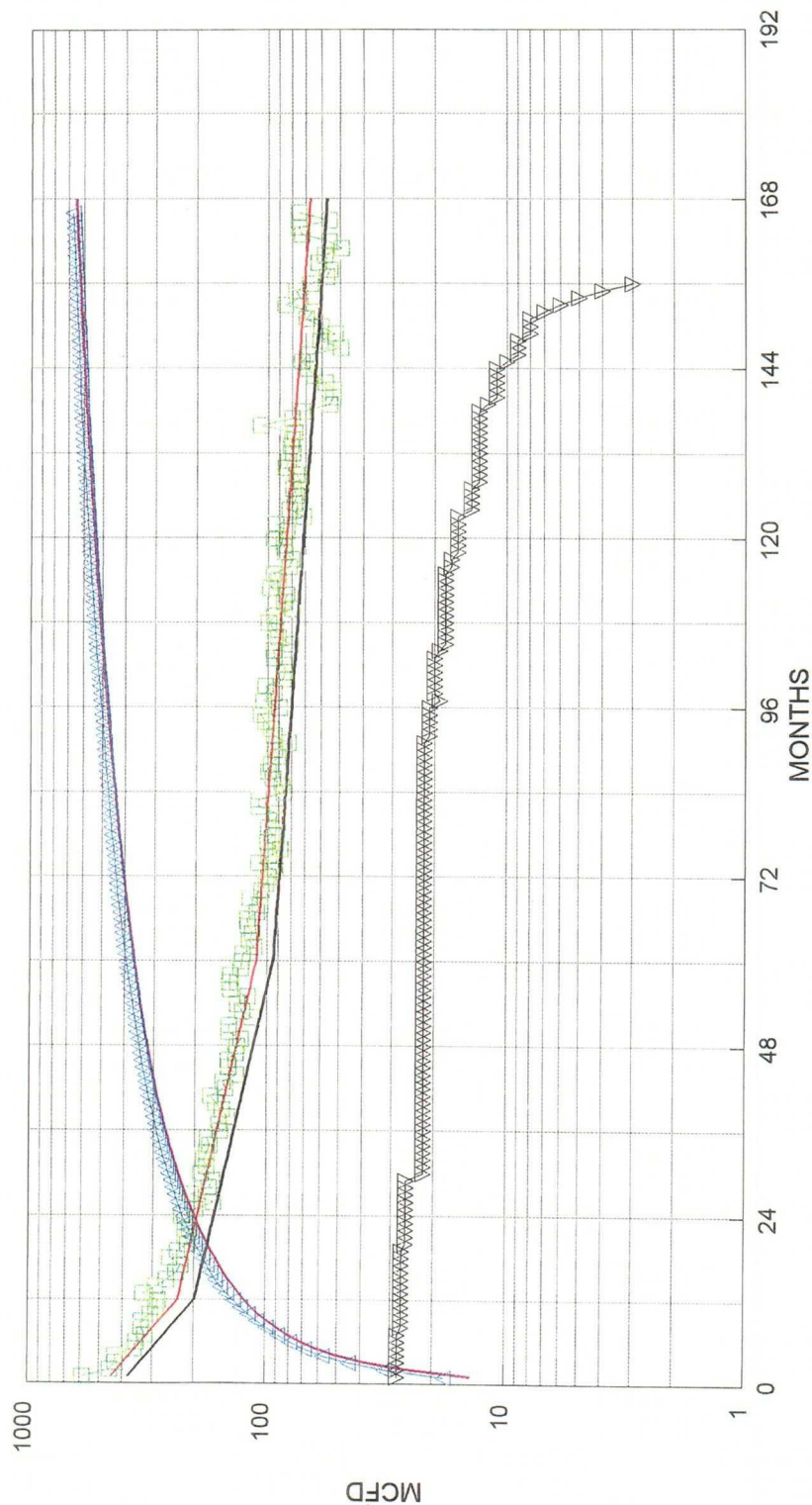


— FIT MCFD    ▲ NORMALIZED MCFD    ▲ NORM CUM MMCF  
 ▽ WELLS ON PRODUCTION    — FIT CUM MMCF    — RISKED MCFD

NORMALIZED AVG:	1788 MMCF EUR 1145 MMCF IN 20 YRS 25 MCFD E.L. 0.0139 bbl/mcf oil yield	450 MCFD IP 50% DECLINE, 1ST 12 MONTHS 7% DECLINE, NEXT 24 MONTHS 4% FINAL DECLINE	315 MCFD IP 50.0% DECLINE, 1ST 12 MONTHS 7.0% DECLINE, NEXT 24 MONTHS 4.0% FINAL DECLINE
RISKED AVG:	1184 MMCF EUR 802 MMCF IN 20 YRS 25 MCFD E.L. 0.0139 bbl/mcf oil yield	30% RISK	

# NORMALIZED DAKOTA PRODUCTION

PROD. SINCE 1980; 29 DK WELLS LOCATED IN W 2/3 OF 28N-7W AND 27N-7W



— FIT MCFD    ▲ NORMALIZED MCFD    ▲ NORM CUM MMCF  
 ▲ WELLS ON PRODUCTION    — FIT CUM MMCF    — RISKED MCFD

## NORMALIZED AVG:

924 MMCF EUR  
 779 MMCF IN 20 YRS  
 25 MCFD E.L.  
 0.0079 bbl/mcf oil yield

## RISKED AVG:

986 MMCF IN 40 YRS  
 470 MCFD IP  
 50% DECLINE, 1ST 12 MONTHS  
 17% DECLINE, NEXT 48 MONTHS  
 5.5% FINAL DECLINE

## 15% RISK

761 MMCF EUR    400 MCFD IP  
 662 MMCF IN 20 YRS    50.0% DECLINE, 1ST 12 MONTHS  
 25 MCFD E.L.    17.0% DECLINE, NEXT 48 MONTHS  
 0.0079 bbl/mcf oil yield    5.5% FINAL DECLINE

District I  
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

instructions on back

District II  
PO Drawer DD, Artesia, NM 88211-0719

## OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088

State Lease - 4 Copies

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039- N/A	2 Pool Code 72319 / 71599	3 Pool Name Blanco Mesaverde / Basin Dakota
4 Property Code	5 Property Name San Juan 28-7 Unit	6 Well Number # 234 M
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation

## 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
O	15	28N	7W		1020	South	895	East	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	13 Joint or Infill	14 Consolidation Code	15 Order No. R -10987 - A
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<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  <i>Kay Maddox</i> Signature Kay Maddox Printed Name Regulatory Agent Title February 20, 1999 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

February 20, 1999

RE: Notification of Offset Operators of C-107A Application  
San Juan 28-7 Unit Well # 234M

Conoco, Inc. is the sole operator of the San Juan 28-7 Unit. This well does not encroach on any outside unit boundary lines therefore there are no offset operators that require notification.