

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-98

DISTRICT II
811 South First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

DISTRICT III
1000 Rio Brazos Rd. Aztec NM 87410 1693

EXISTING WELLBORE

☐ YES ☒ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

San Juan 28-7 Unit

234 M

Section 15, T-28-N, R-7-W, O

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

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	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	457		751
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1230		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)	Expected Yes		Expected Yes
* If Shut-In give date and oil/gas/water rates of last production	Date Rates	Date Rates	Date Rates
Note: For new zones with no production history applicant should be required to attach production estimates and supporting data			
* If Producing date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Est Rates 350-450 MCFD Allocation by test upon completion		Est Rates 400-500 MCFD Allocation by test upon completion
8 Fixed Percentage Allocation Formula - % for 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.

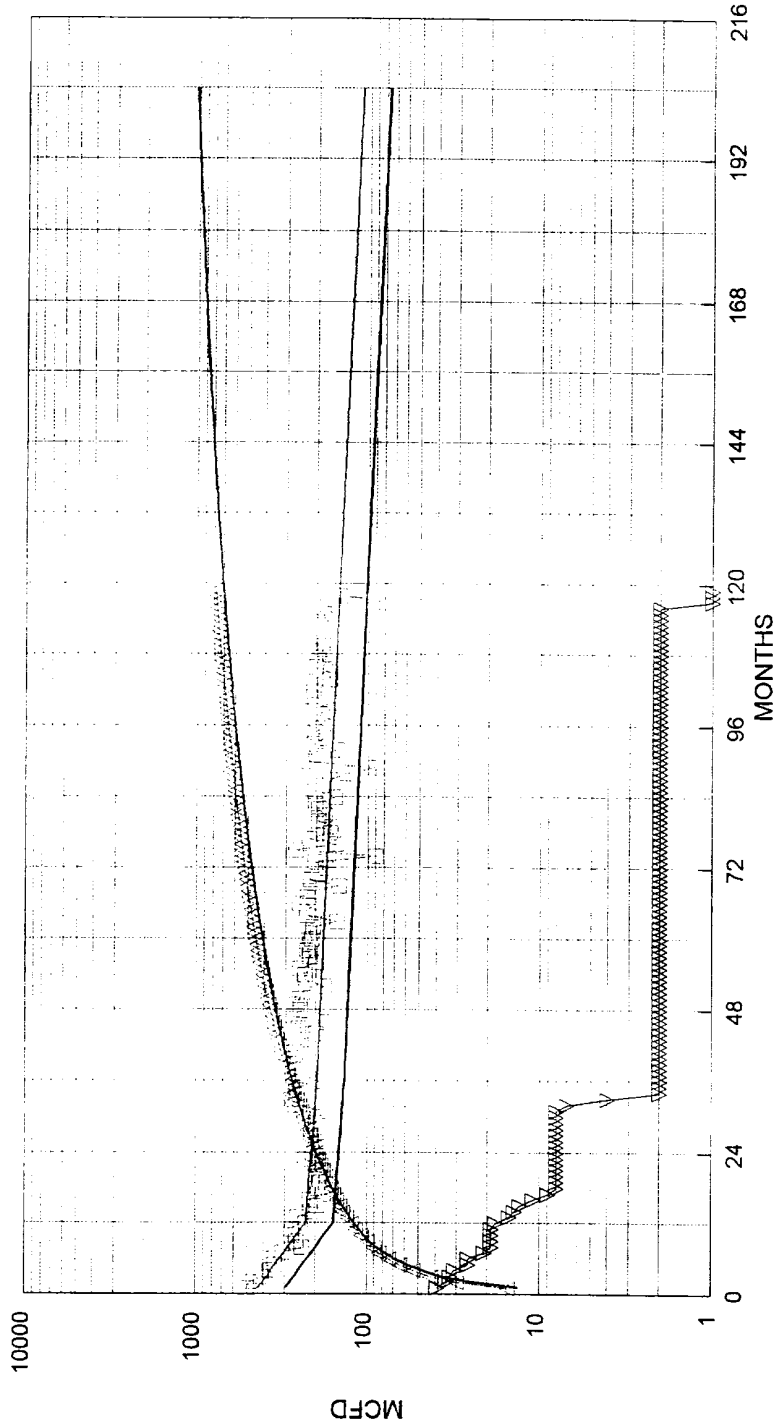
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

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

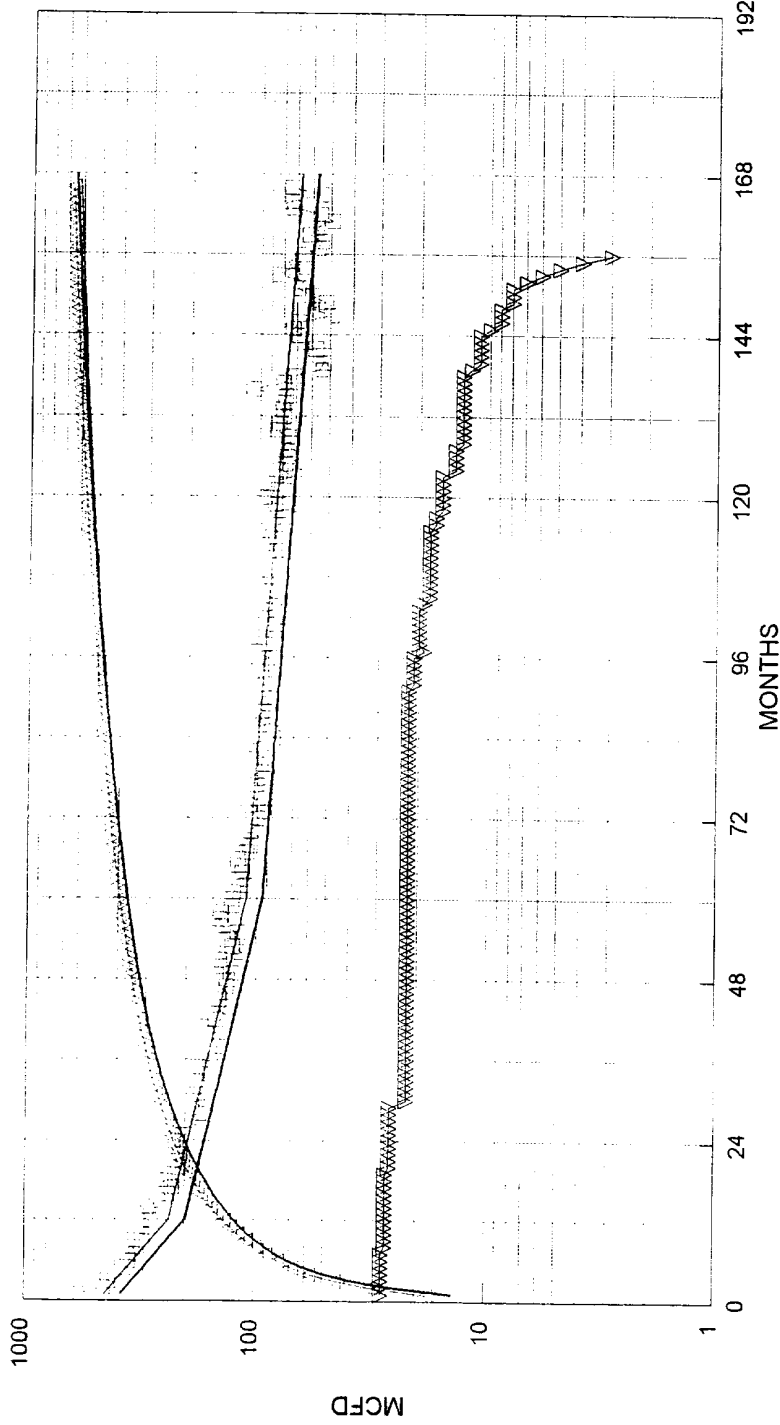
RISKED AVG:

450 MCFD IP
 50% DECLINE, 1ST 12 MONTHS
 7% DECLINE, NEXT 24 MONTHS
 4% FINAL DECLINE

30% RISK

1184 MMCF EUR 315 MCFD IP
 802 MMCF IN 20 YRS 50.0% DECLINE, 1ST 12 MONTHS
 25 MCFD E.L. 7.0% DECLINE, NEXT 24 MONTHS
 0.0139 bbl/mcf oil yield 4.0% FINAL DECLINE

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



— FIT MCDF
 ▽ WELLS ON PRODUCTION — FIT CUM MMCF
 ○ NORMALIZED MCDF
 — RISKED MCDF

NORMALIZED AVG:
 924 MMCF EUR
 779 MMCF IN 20 YRS
 25 MCDF E.L.
 0.0079 bbl/mcf oil yield

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

RISKED AVG: 15% RISK
 761 MMCF EUR
 662 MMCF IN 20 YRS
 25 MCDF E.L.
 0.0079 bbl/mcf oil yield
 400 MCDF IP
 50.0% DECLINE, 1ST 12 MONTHS
 17.0% DECLINE, NEXT 48 MONTHS
 6.5% FINAL DECLINE

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

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

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

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. O	Section 15	Township 28N	Range 7W	Lot Idn	Feet from the 1020	North/South line South	Feet from the 895	East/West line East	County Rio Arriba
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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						

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

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

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.