

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 3-12-96

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

Operator

Address

San Juan Unit 28-7

#215 M

Section 4, T-27-N, R-7-W, C

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

16608

API NO.

30-039-25801

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)	4915-5865'		7505-7742'
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		713
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	
All Gas Zones: Estimated Or Measured Original	1230		2946
6. Oil Gravity (°API) or Gas BT Content	1270		1236
7. Producing or Shut-In?	To be Completed		To be Completed
Production Marginal? (yes or no)	Yes (expected)		Yes (expected)
• 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
	350 MCFD Anticipated 1st Yr average		330 MCFD Anticipated 1st Yr Average
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. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) R-10476 B NSL-395/

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

4/6/98

TYPE OR PRINT NAME

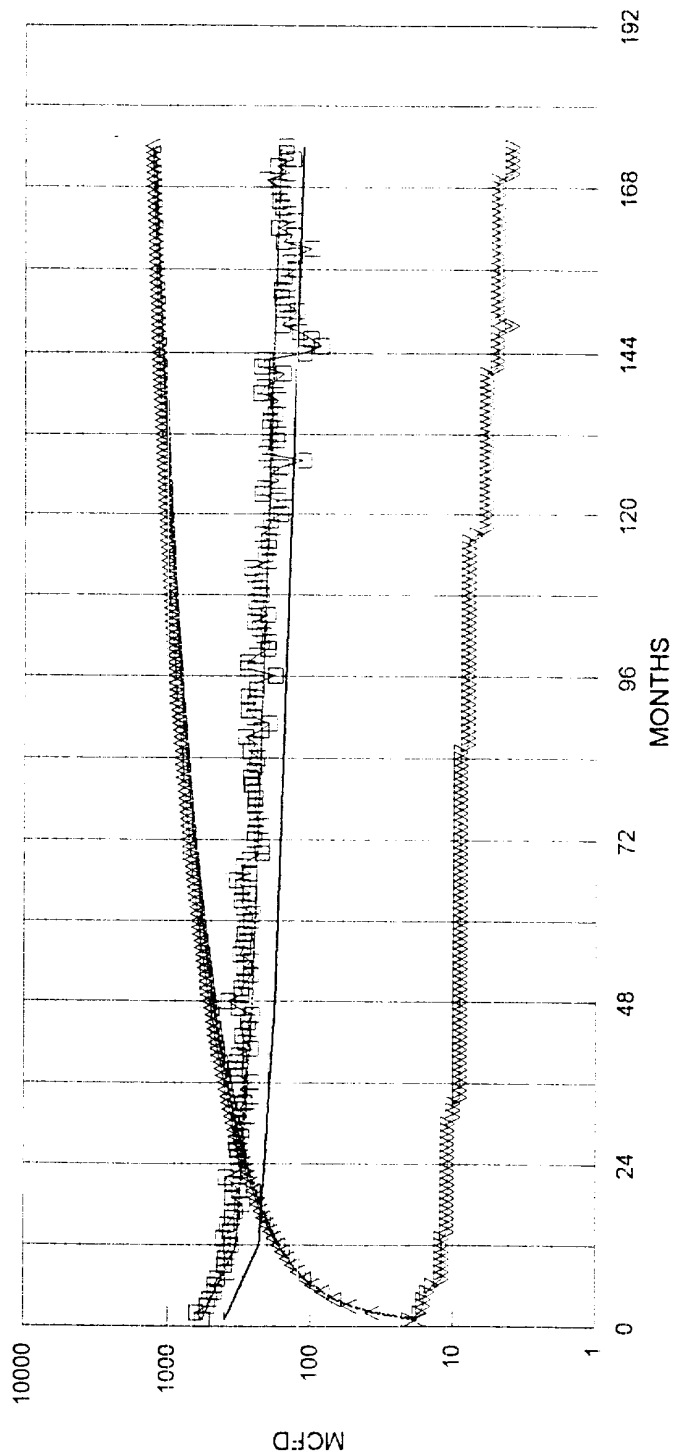
Kay Maddox

TELEPHONE NO.

(915)

686-5798

NORMALIZED MESAEVERDE PRODUCTION
 PROD. SINCE 1975; 20 MV WELLS LOCATED IN W 2/3 OF 28N-7W AND N/3 OF 27N-7W



--- FIT MCFD □ NORMALIZED MCFD Δ NORM CUM MMCF
 ▽ WELLS ON PRODUCTION FIT CUM MMCF — RISKED MCFD

Expected Mesaverde Production - #145M, 156M, 199E, 214M, 215M, 249M
 Expected Avg. Rate for Yr. 1= 452MCFD

State of New Mexico
Energy, Minerals & Natural Resources Department
District II
PO Drawer 10, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Artesia, 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 1-110
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

5 FEB - 6 PM 3:05 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code		*Pool Name					
		72319/71599		Blanco Mesaverde/Basin Dakota					
*Property Code		*Property Name				*Well Number			
016603		SAN JUAN 28-7 UNIT				215M			
*SSPLD No		*Operator Name				*Elevation			
005073		CONOCO, INC.				6587'			
10 Surface Location									
UL or Lot No	Section	Township	Range	Lot No	Feet from the	North/South line	Feet from the	East/West line	County
C	4	27N	7W	410	410	North	2250	West	RIC ARIZONA
11 Bottom Hole Location If Different From Surface									
UL or Lot No	Section	Township	Range	Lot No	Feet from the	North/South line	Feet from the	East/West line	County
2 Dedicated Acres		3 Joint or Infill		4 Consolidation Code		5 Order No.			
W/319.79		Y		U		Non-Standard Location (Applied for)			

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

				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>Mike L. Markin</i> Printed Name: Mike L. Markin Title: Right-Of-Way Agent Date: 2-5-98	
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: NOVEMBER 11, 1997 Signature and Seal: <i>Neale C. Edwards</i> Professional Surveyor New Mexico 8857					

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO SF-078496-A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Conoco Inc. 5073			7. UNIT AGREEMENT NAME 16608 San Juan 28-7	
3. ADDRESS AND TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500			8. FARM OR LEASE NAME WELL NO 215M	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 410' FNL & 2250' FWL At proposed prod. zone 410' FNL & 2250' FWL			9. API WELL NO 30-039-25801	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE			10. FIELD AND POOL, OR WILDCAT Blanco MV/Basin Dakota	
5. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if Any)			11. SEC. T, R, M. OR BLK. AND SURVEY OR AREA C Sec. 4, T27N, R7W	
6. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			12. COUNTY OR PARISH Rio Arriba	
7. ELEVATIONS (Show whether DF, RT, GR, etc) 6687' GR			13. STATE NM	
16. NO. OF ACRES IN LEASE			17. NO. OF ACRES ASSIGNED TO THIS WELL 319.79	
19. PROPOSED DEPTH 7742'			20. ROTARY OR CABLE TOOLS Rotary	
21. APPROX. DATE WORK WILL START* 3/1/98			22. APPROX. DATE WORK WILL START* 3/1/98	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55, 9-5/8"	36#	250'	145 sxs, circ.
8-3/4"	K-55, 7"	23#	3560'	470 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7742'	530 sxs, toc @ 3400'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. An NOS was filed 4/10/97. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102).
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility layout.
6. Temporary Pipeline Tie Specifications.

RECEIVED
MAR - 9 1998
OIL CON. DIV.
DIST. 3

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Mike L. Mankin TITLE Right of Way Agent DATE 2-5-98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE MAR 06 1998
Application approval 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.
CONDITIONS OF APPROVAL, IF ANY

APPROVED BY AS/ Duane W. Spencer

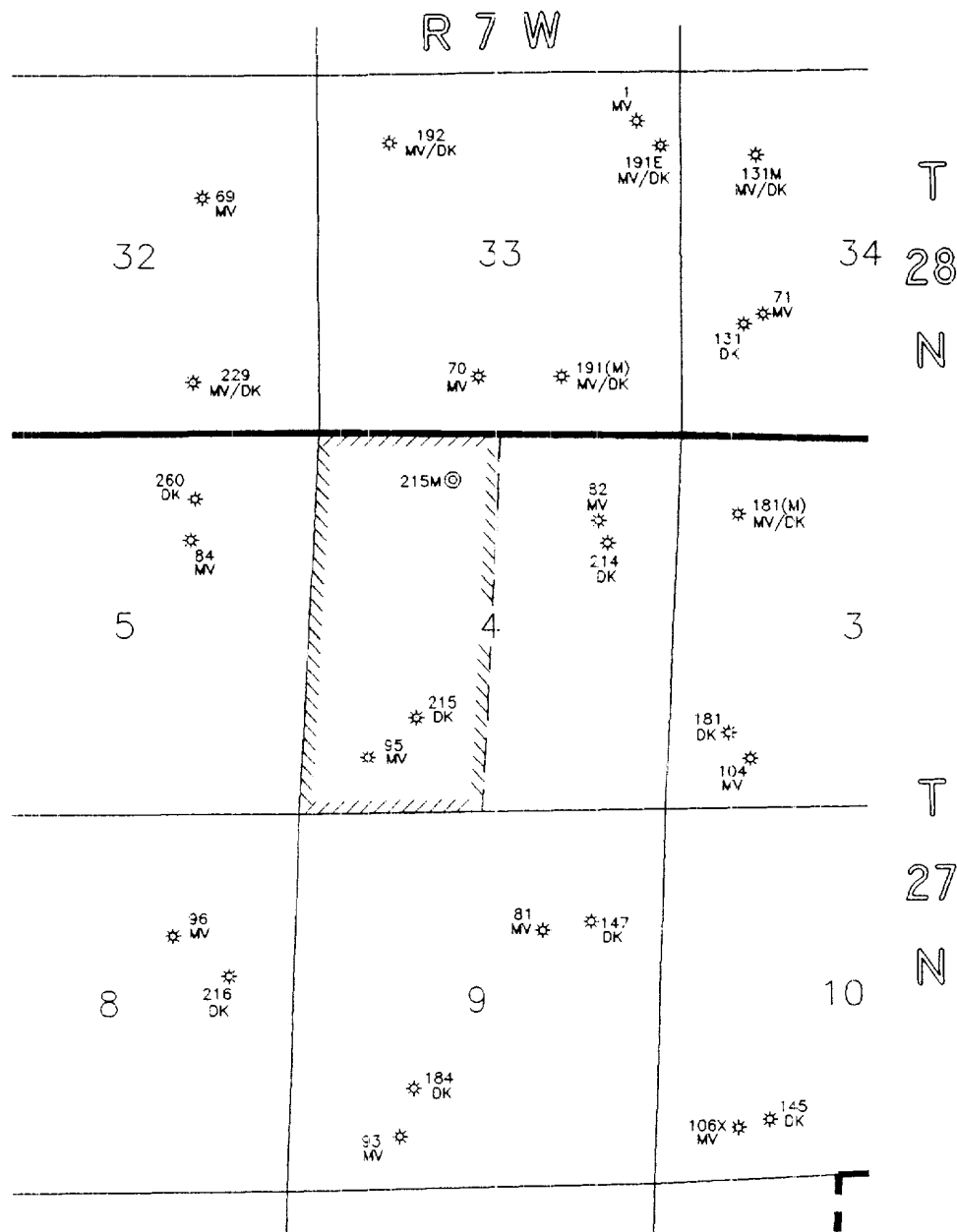
MAR - 6 1998

TITLE _____ DATE _____

*See Instructions On Reverse Side

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.

WALD 0114 FOR N590 NMCO



SAN JUAN 28-7 UNIT **RIO ARRIBA CO., N.M.**

NOTES		<div> <div>conoco</div> <div>EPNGNA MIDLAND DIVISION</div> </div>		
CONOCO OPERATES ALL MESAVERDE AND DAKOTA WELLS WITHIN THE 28-7 UNIT. MAP SHOWS ONLY MESAVERDE AND DAKOTA WELLS	DATE: 02/06/98	<div> <div>CONOCO 28-7 UNIT MESAVERDE & DAKOTA PRODUCERS San Juan 28-7 Unit #215M Non-Standard Location</div> <div> <div>STATE ^{API}COUNTY</div> <div>039 \ 30</div> </div> <div>DRAWING 28-7_215</div> </div>		
	DRAWN BY: GLG			
	CHECKED BY:			
	APPROVED BY:			
	SCALE: 1" = 2640'	<div>CONOCO INC. OFFICE 10 DESTA DRIVE WEST MIDLAND, TEXAS 79705</div>		
	STATE PLANE COORDINATES REFERRED TO NAD27 - N.M. WEST STATE PLANE COORDINATES ZONE - 3003			

April 6, 1998

RE: Application C-107A to Downhole Commingle

Notification Of Offset Operators:

Conoco, Inc. is the only offset operator