

DISTRICT I
142 Hwy 1980 Hobbs NM 88241-1980
DISTRICT II
811 South First St Artesia NM 88210-2935
DISTRICT III
1000 Rio Brazos Rd Aztec NM 87410-1953

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

Conoco Inc.

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

Address

San Juan 28-7 Unit

113 M

Section 18, T-27-N, R-7-W, O

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO 005073

Property Code

016608

API NO

30-039-25886

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)	5180-5549'		7275-7517'
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	558		736
Gas & Oil - Flowing	b (Original)	b	b
All Gas Zones	1161		255
Estimated Or Measured Original			
6 Oil Gravity (°API) or Gas BT Content	1347		1319
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 shall 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 1st Yr Average 144 MCFD-Final to be supplied upon completion		Est 1st Yr Average 252 MCFD-Final to be supplied upon completion
8 Fixed Percentage Allocation Formula - % of each zone			

- 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
- 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

June 29, 1990

TYPE OR PRINT NAME

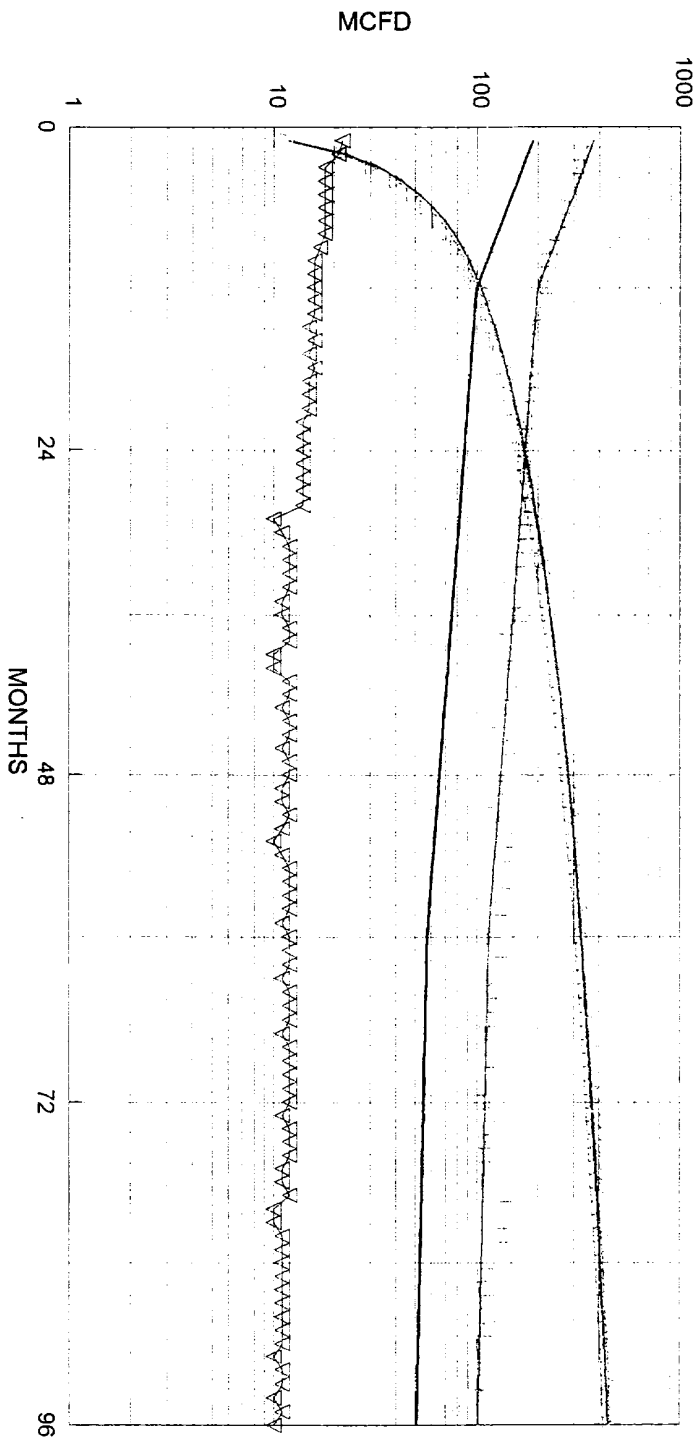
Kay Maddox

TELEPHONE NO

(915)

686-5798

NORMALIZED MESAVERDE PRODUCTION
PROD. SINCE 1972: 22 MV WELLS LOCATED IN 27N-7W AND 27N-8W AREA



— FIT MCFD
— FIT CUM MMCF
— RISKED MCFD
x WELLS ON PRODUCTION

Expected MV Prod - #89M, 100M, 101M, 110M, 111M, 113M, 153E
Expected 1st Yr. Avg Rate = 144MCFD Wells are expected to follow "50% risk case"

NORMALIZED AVG:

1130 MMCF EUR
800 MMCF IN 20 YRS
25 MCFD E.L.
0.0091 bbl/mcf oil yield

RISKED AVG:

50% RISK (Based on actual 99/100/101/110/111)
453 MMCF EUR
400 MMCF IN 20 YRS
25 MCFD E.L.
0.0091 bbl/mcf oil yield

400 MCFD IP

50% DECLINE, 1ST 12 MONTHS

13% DECLINE, NEXT 48 MONTHS

4% FINAL DECLINE

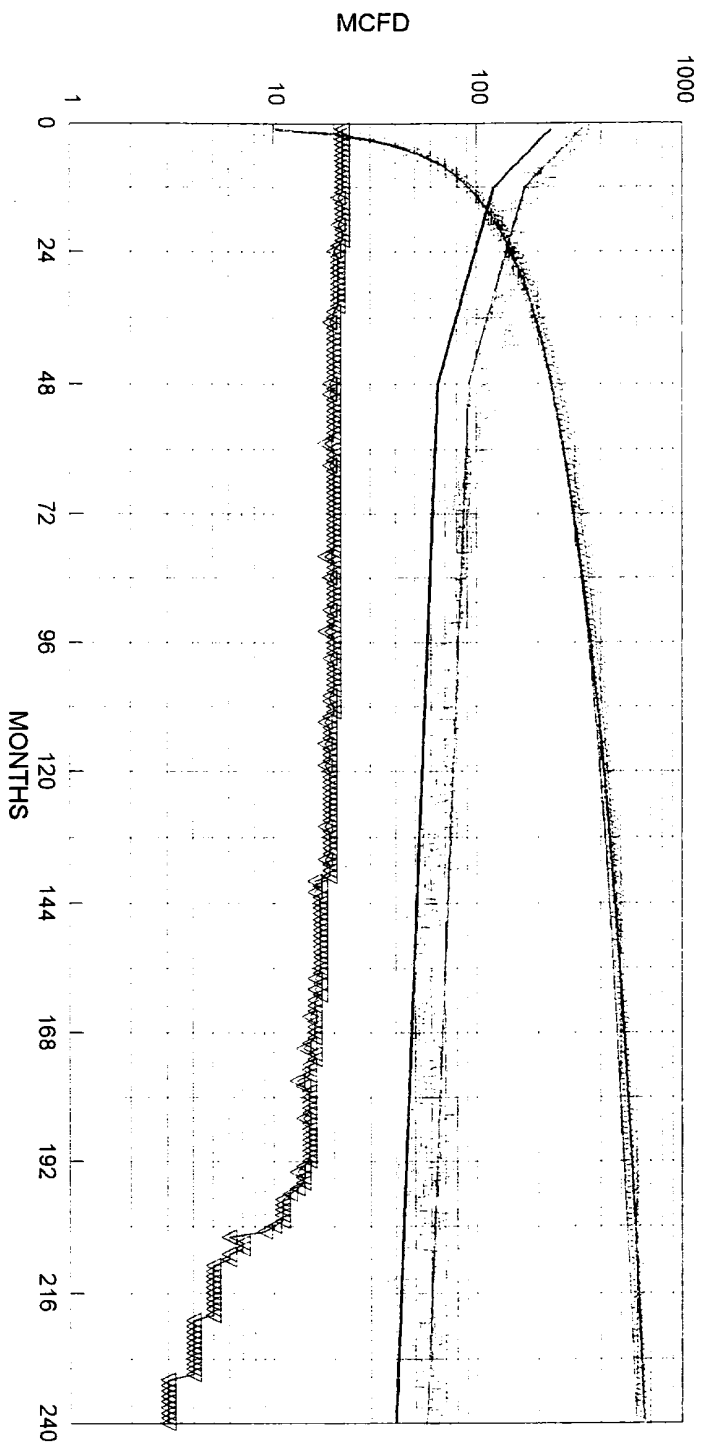
200 MCFD IP

50.0% DECLINE, 1ST 12 MONTHS

13.0% DECLINE, NEXT 48 MONTHS

4.0% FINAL DECLINE

NORMALIZED DAKOTA PRODUCTION
PROD. SINCE 1975: 22 DAKOTA COMPLETIONS



— FIT MCFD
- WELLS ON PRODUCTION
— FIT CUM MMCF
— NORM CUM MMCF
— RISKED MCFD

Expected DK Prod - #98M, 100M, 101M, 110M, 111M, 113M, 153E
Expected 1st Yr. Avg. Rate = 252 MCFD Wells expected to follow "Normalized case"

NORMALIZED AVG:		RISKED AVG:	
1049 MMCF EUR	350 MCFD IP	644 MMCF EUR	30% RISK
666 MMCF IN 20 YRS	50% DECLINE, 1ST 12 MONTHS	466 MMCF IN 20 YRS	245 MCFD IP
25 MCFD E.L.	19% DECLINE, NEXT 36 MONTHS	25 MCFD E.L.	50.0% DECLINE, 1ST 12 MONTHS
0.0134 bbl/mcf oil yield	3% FINAL DECLINE	0.0134 bbl/mcf oil yield	19.0% DECLINE, NEXT 36 MONTHS
			3.0% FINAL DECLINE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

2. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

Conoco Inc. 005073

4. ADDRESS AND TELEPHONE NO

10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

965' FSL & 1725' FEL

At proposed prod. zone

965' FSL & 1725' FEL

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if Any)

8. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

9. NO OF ACRES IN LEASE

6572' GR

10. NO. OF ACRES ASSIGNED
TO THIS WELL

320

11. ROTARY OR CABLE TOOLS

Rotary

12. ELEVATIONS (Show whether DF, RT, GR, etc)

Action is subject to technical and
central review pursuant to 43 CFR 3165.3
appeal pursuant to 43 CFR 3165.4.

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#	3230'	395 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7517'	515 sxs, toc @ 3000'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. An NOS was filed 10/13/97. 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. Pipeline Tie Specifications with plat.

This application includes ROW's for the well pad, cathodic protection and pipeline.

This was originally staked as the 113E, but due to recompletion of the 113 this well is now an infill well into multiple pools and needs to be named 113M according to the NMOCD (Ernie Bush).

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.

24.

SIGNED

Jo Ann Johnson

Jo Ann Johnson

TITLE Sr. Property Analyst

DATE

5-23-98

(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

JUN 08 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

Ernie Bush

TITLE

Dist. Engineer

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

RECEIVED
JUL 2 1998

OIL CON. DIV.

DIST. 3

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHE
GENERAL REQUIREMENTS

RECEIVED
BLM
JUN - 1 PM 1:38

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

District II
PO Drawer 60, 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		*Pool Code	*Pool Name
		72319/71599	Blanco Mesaverde/Basin Dakota
*Property Code	*Property Name		*Well Number
016608	SAN JUAN 28-7 UNIT		1135 W
*CGRID No.	*Operator Name		*Elevation
0050703	CONOCO, INC.		6572'

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
0	18	27N	7W		965	South	1725	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	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320			

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 1329.90'	1325.94'	2651.88'	¹⁷ OPERATOR CERTIFICATION
1			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 <i>KAY MADDOX</i>
			Mike L. Mankin
			Printed Name <i>Regulatory Agent</i>
			Right of Way Agent
			Title
			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.
			OCT08/22
			Date of Survey
			Signature of Professional Surveyor
			NEW MEXICO 6857 REGISTERED PROFESSIONAL SURVEYOR
			6857
			Certificate Number

RECEIVED
JUL 2 1998
OIL CON. DIV.
DIST. 3

5399.46'

5472.06'

1725'

965'

5311.62'

San Juan 28-7 Unit # 113 M
Section 18, T-27-N, R-7-W, O
Rio Arriba , New Mexico
API # 30-039-25886

RE: Application to Downhole Commingle (C 107 A)

OFFSET OPERATOR:

Conoco, Inc. is the only offset operator
