

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2034

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

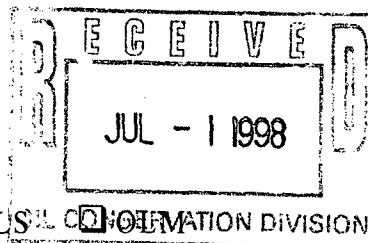
Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ INFORMATION DIVISION

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

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[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

Date

6/29/98

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 # 100M Unit Ltr Sec Twp Rge Section 30, T-27-N, R-7-W, P County Rio Arriba
OGRID NO. 005073 Property Code 016608 API NO. 30-039-25881 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

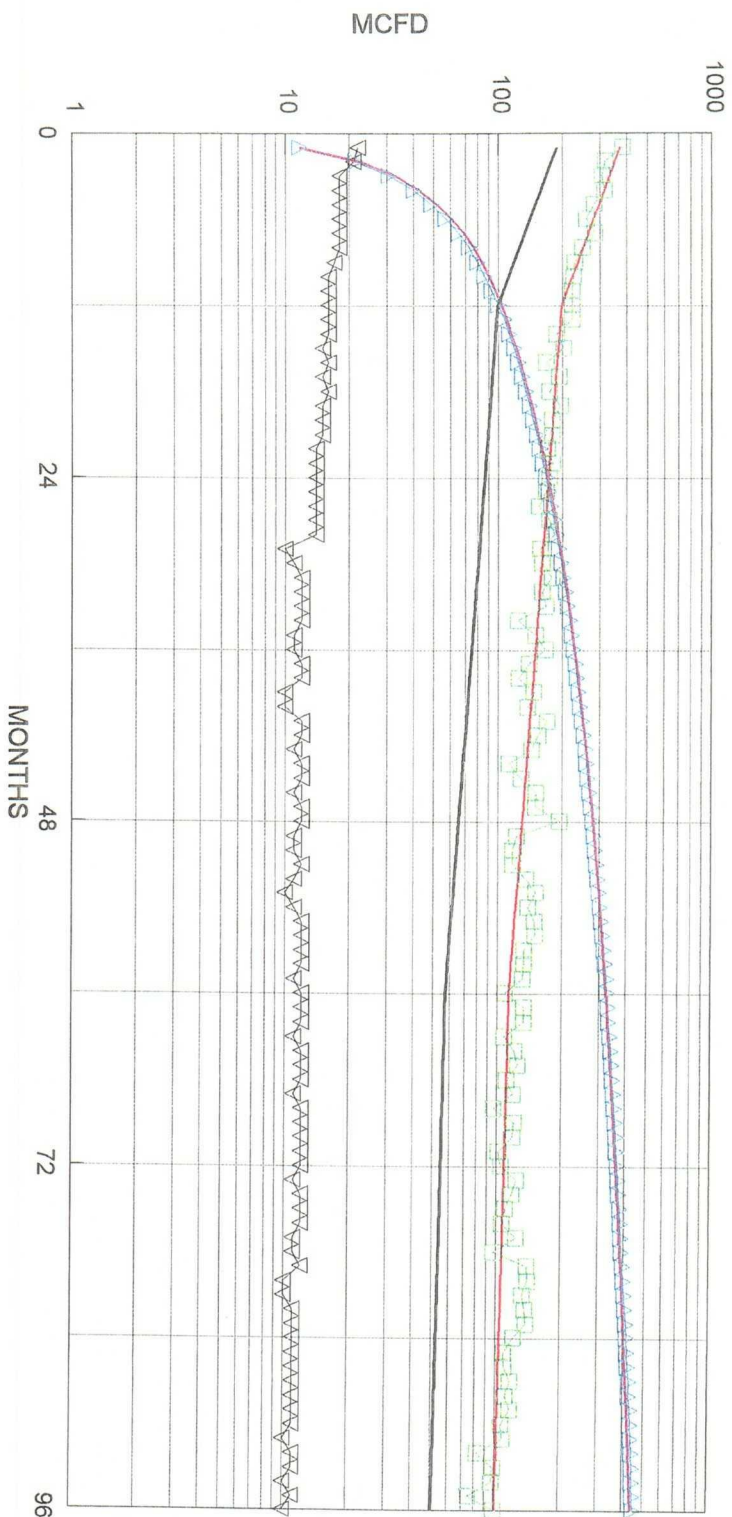
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	5180-5520'		7243-7467'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		To Flow
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 558 b(Original) 1161	a. b. 	a. 736 b. 255
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 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	Date Rates	Est 1st Yr Average 252MCFD-Final to be supplied 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 ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? Yes ☒ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? Yes ☒ Yes ☐ No
11. Will cross-flow occur? X 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. X Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each others X Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes X 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. X 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 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



Expected MV Prod - #98M, 100M, 101M, 110M, 111M, 113M, 153E
 Expected 1st Yr. Avg. Rate = 144M/MCFD 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

400 MCFD IP

50% DECLINE, 1ST 12 MONTHS
 13% DECLINE, NEXT 48 MONTHS
 4% FINAL DECLINE

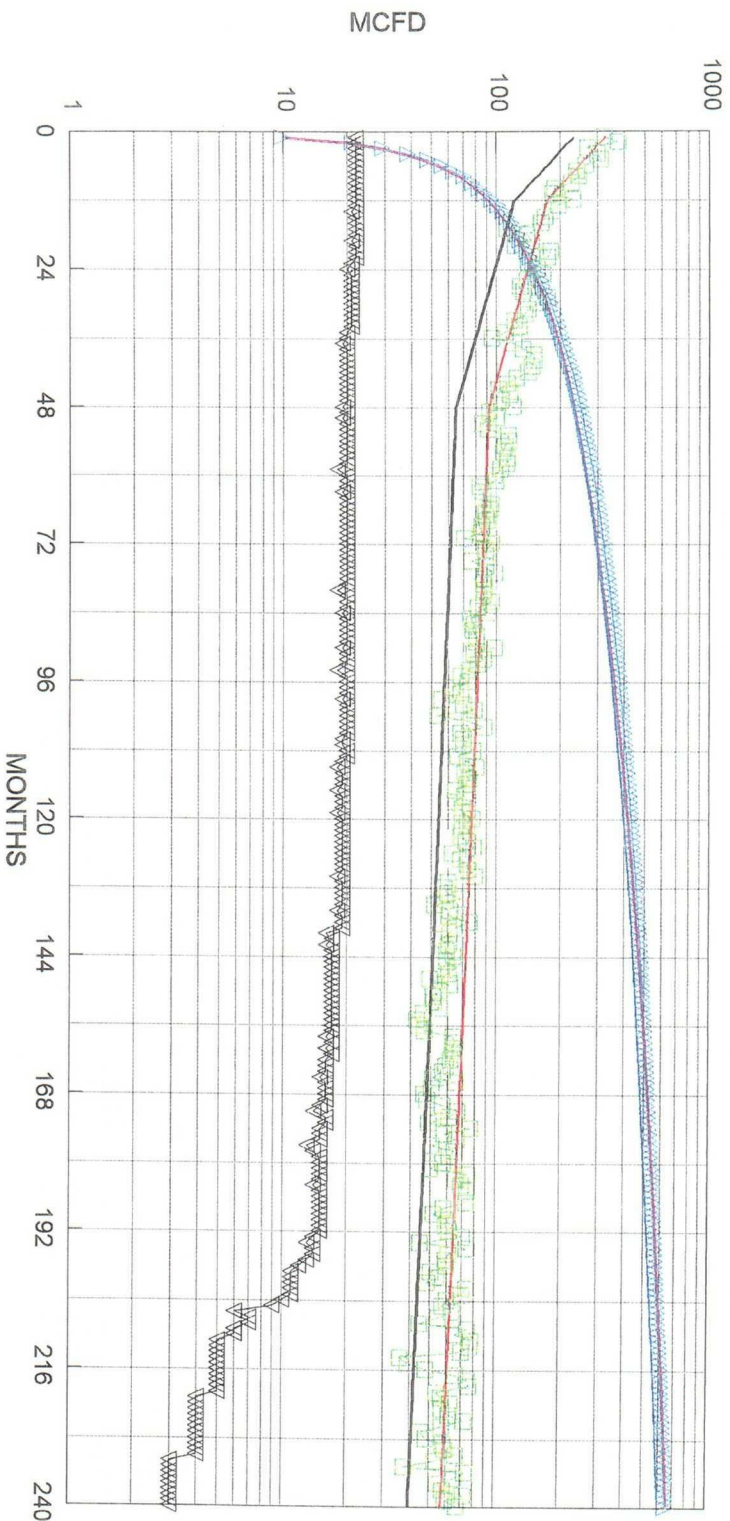
RISKED AVG:

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

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**



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:

1049 MMCF EUR
666 MMCF IN 20 YRS
25 MCFD E.L.
0.0134 bbl/mcf oil yield

RISKED AVG:

30% RISK

644 MMCF EUR
466 MMCF IN 20 YRS
26 MCFD E.L.
0.0134 bbl/mcf oil yield

245 MCFD IP

50.0% DECLINE, 1ST 12 MONTHS
19.0% DECLINE, NEXT 36 MONTHS
3.0% 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
Santa Fe, NM 87504-2088

State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 016608		5 Property Name San Juan 28-7 Unit			6 Well Number 100M
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6653'


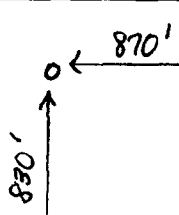
10 Surface Location

UL or lot no. P	Section =30	Township 27N	Range 7W	Lot Idn	Feet from the 830'	North/South line South	Feet from the 870'	East/West line East	County 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 Y	14 Consolidation Code U		15 Order No.					

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 Kay Maddox		
							Printed Name Regulatory Agent		
						Title May 7, 1998			
						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			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0138
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Conoco Inc.

005073

a. ADDRESS AND TELEPHONE NO

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

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

At surface

830' FSL & 870' FEL

At proposed prod. zone

830' FSL & 870' FEL

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

6653' GR

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#	3180'	390 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7467'	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 action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

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

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.

24.

SIGNED

*Jo Ann Johnson*Jo Ann Johnson
Sr. Property Analyst

DATE

5-28-98

(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

JUN 10 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

Carl B. Baker

TITLE

Pat. Engineer

DATE

JUN 10 1998

*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.

San Juan 28-7 Unit # 100 M
Section 30, T-27-N, R-7-W, P
Rio Arriba , New Mexico
API # 30-039-25881

RE: Application to Downhole Commingle (C 107 A)

OFFSET OPERATORS:

Burlington Resources
PO Box 4289
Farmington, NM 87499

Bledsoe Petroleum Corp.
1717 Main STE 5850
Dallas, TX 75201

Chateau Oil & Gas Inc.
5950 Berkshire Ln STE 275
Dallas, TX 75225

Lively Exploration Co.
1300 Post Oak Blvd. # 1900
Houston, TX 77056-3013

M & G Drilling
PO Box 2406
Farmington, NM 87499

Western Oil & Minerals LTD
PO Drawer 1228
Farmington, NM 87499