

## 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 87505-6429Form 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

Operator

Address

Lackey B LS

16

Section 20, T-28-N, R-9-W, B

San Juan

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

API NO.

30-045-07349

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)	4012-4640'		6553-6687'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottomhole Pressure	a (Current)		a.
Oil Zones - Artificial Lift: Estimated Current	527		718
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1150		2359
6. Oil Gravity (°API) or Gas BT Content	1240		1246
7. Producing or Shut-In?	To be Completed		Producing
Production Marginal? (yes or no)	Yes		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
	Production to be allocated by Subtraction - See attached table		Est 9/98 33 MCFD, .2 BOPD, 1 BWPD
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 ☐ No11. 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 ☐ No13. 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).

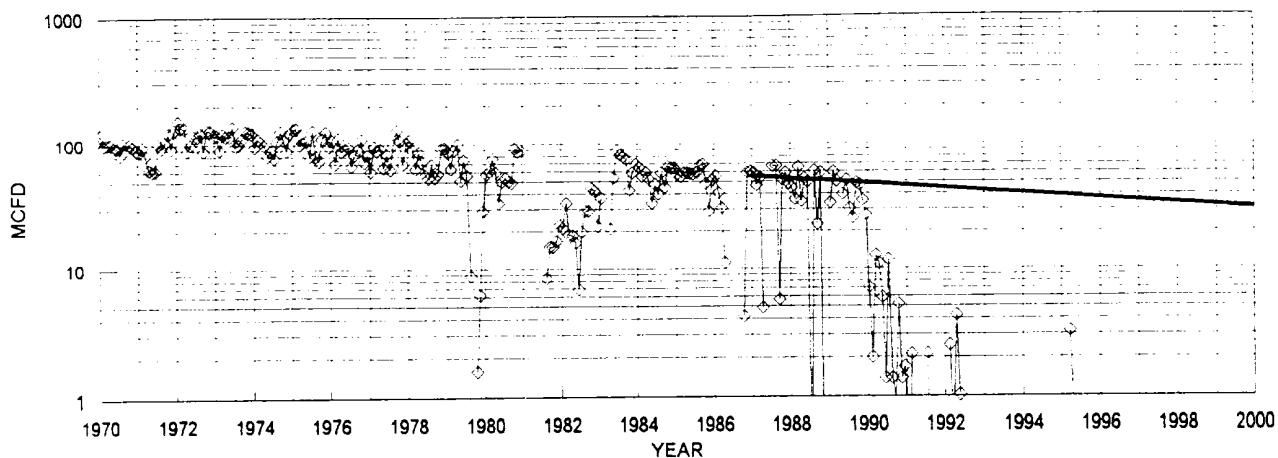
## 16. ATTACHMENTS

- \* 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 2/25/98TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

LACKEY B LS 16 DAKOTA PRODUCTION  
SECTION 20B-28N-09W



◇ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA:		1ST PROD: 11/61	PROJECTED DATA	
OIL CUM:	14.59	MBO	1/1/98 Qi:	34 MCFD
GAS CUM:	1358.0	MMCF	DECLINE RATE:	4.4% (EXPONENTIAL)
CUM OIL YIELD:	0.0107	BBL/MCF		
OIL YIELD:	0.0036	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0072	BBL/MCF		

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

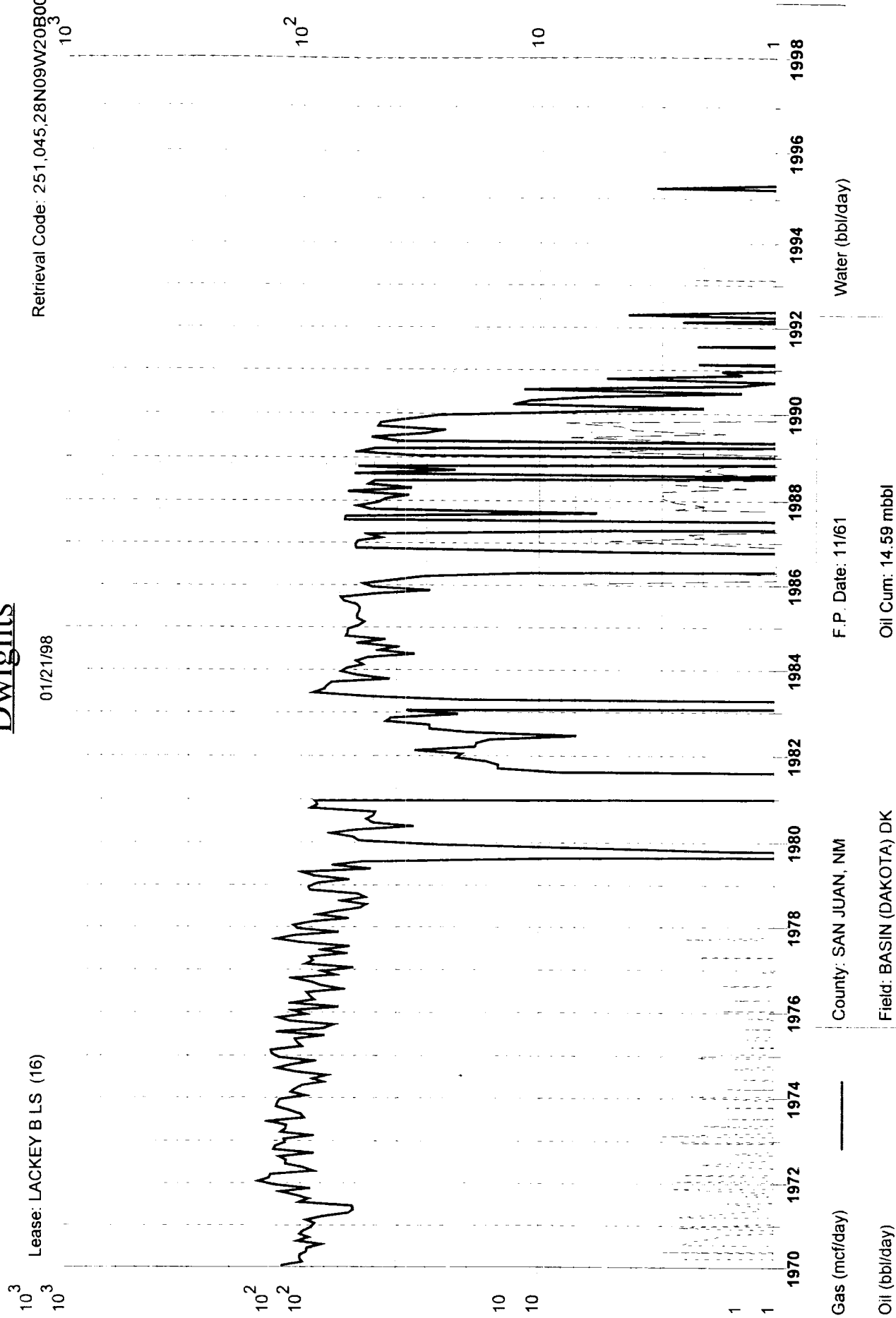
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	33.2	0.24
1997	31.8	0.23
1998	30.4	0.22
1999	29.0	0.21
2000	27.8	0.20
2001	26.5	0.19
2002	25.4	0.18
2003	24.3	0.17
2004	23.2	0.17
2005	22.2	0.16
2006	21.2	0.15
2007	20.3	0.15
2008	19.4	0.14
2009	18.5	0.13
2010	17.7	0.13
2011	16.9	0.12
2012	16.2	0.12
2013	15.5	0.11
2014	14.8	0.11
2015	14.1	0.10
2016	13.5	0.10
2017	12.9	0.09
2018	12.3	0.09
2019	11.8	0.08
2020	11.3	0.08
2021	10.8	0.08
2022	10.3	0.07
2023	9.9	0.07
2024	9.4	0.07
2025	9.0	0.06
2026	8.6	0.06
2027	8.2	0.06
2028	7.9	0.06
2029	7.5	0.05
2030	7.2	0.05

# Dwights

Lease: LACKEY B L S (16)

01/21/98

Retrieval Code: 251,045,28N09W20B00DK



F.P. Date: 11/61  
Oil Cum: 14.59 mbbl  
Gas Cum: 1358 mmcf  
Location: 20B 28N 9W

County: SAN JUAN, NM  
Field: BASIN (DAKOTA) DK  
Reservoir: DAKOTA  
Operator: AMOCO PRODUCTION CO

## Well Location and Acreage Dedication Plat

Section A.

Date JULY 3, 1961

Operator EL PASO NATURAL GAS COMPANY Lease LACKEY "B" SF 077106  
 Well No. 16 Unit Letter B Section 20 Township 28-N Range 9-W NMPM  
 Located 1180 Feet From NORTH Line 1460 Feet From EAST Line  
 County SAN JUAN G. L. Elevation 5912 Distance Acreage 320 Acres  
 Name of Producing Formation DAKOTA Pool BASIN DAKOTA

1. Is the Operator the only owner in the land here are outlined on the plat below?  
 Yes X No \_\_\_\_\_
2. If the answer to question one is "no", have the interests of all the owners been consolidated by community agreement or otherwise? Yes \_\_\_\_\_ No \_\_\_\_\_. If answer is "yes", Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

## Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company

(Operator)

Original Signed R. G. MILLER

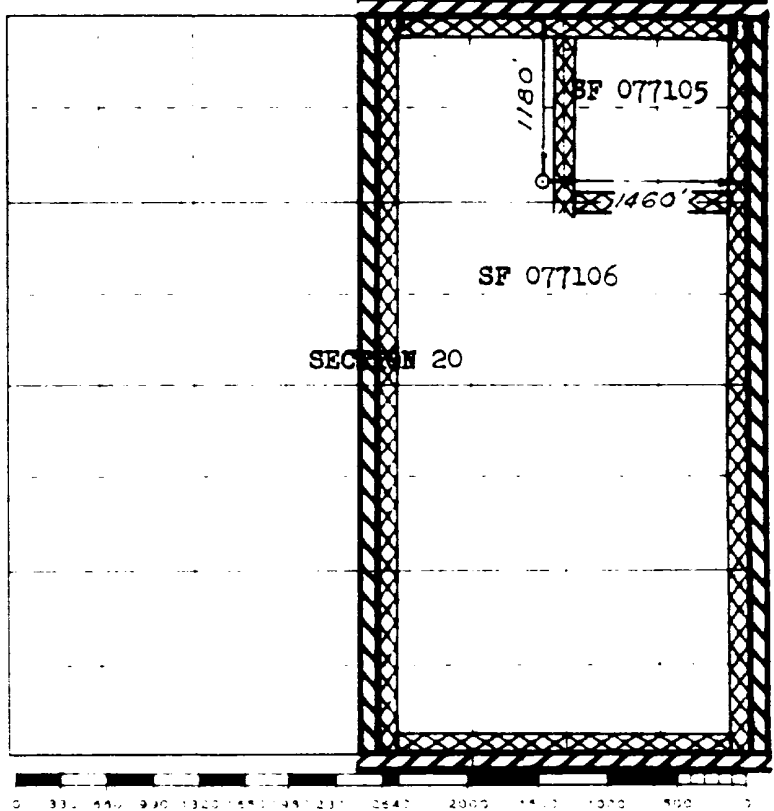
(Representative)

Box 300

(Address)

Farmington, New Mexico

Note: All distances must be from outer boundaries of section



Scale 1 inch = 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Signed

JUNE 14, 1961E. O. Walker

Farmington, New Mexico

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 30-045-07349		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name Lackey B LS			6 Well Number 16
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 5912'

**10 Surface Location**

UL or lot no	Section	Township	Range	Lot Idr	Feet from the	North/South line	Feet from the	East/West line	County
B	20	28N	9W		1180	North	1460	East	San Juan

**11 Bottom Hole Location If Different From Surface**

UL or lot no	Section	Township	Range	Lot Idr	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.					

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		1180'	1460'

**17 OPERATOR CERTIFICATION**

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

*Kay Maddox*  
Signature  
Kay Maddox

Printed Name  
Regulatory Agent

Title  
2/25/98  
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

Conoco, Inc.  
10 Desta Dr Ste 100W  
Midland, TX 79705

Re: Application to Downhole Commingle C-107A  
Lackey B LS #16, Section 20, T-28-N, R-9-W, B  
San Juan County, New Mexico

**Notification Of Offset Operators:**

Amoco  
PO Box 800  
Denver, CO 80201

Burlington Resources  
PO Box 4289  
Farmington, NM 87499

S&G Interests  
811 Dallas DTE 1505  
Houston, TX 77002

West Largo  
6638 W. Ottawa Ave STE 100  
Littleton, CO 80123