

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

Conoco Inc.

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

San Juan 28-7 Unit

243

Section 31, T-28-N, R-7-W, N

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

016608

API NO.

30-039-21084

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)	4470-5186'		7000-7225'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a (Current) 457		a. 795
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b(Original) 1230	b.	b. 2945
6. Oil Gravity (*API) or Gas BT Content	1252		1253
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 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 Incremental Production by Subtraction	Date Rates	Date Rates Mid-year Avg. rates - See Table
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

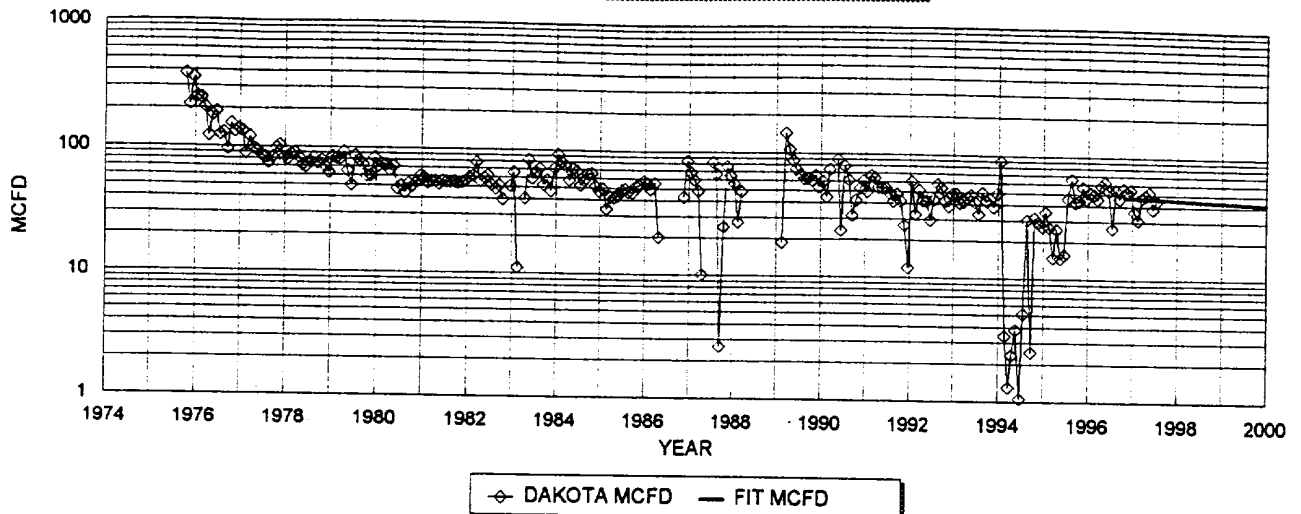
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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 January 6, 1998

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**SAN JUAN 28-7 NO. 243 DAKOTA PRODUCTION
SECTION 31N-28N-07W**



DAKOTA HISTORICAL DATA: 1ST PROD: 10/75

OIL CUM: 2.91 MBO
 GAS CUM: 466.5 MMCF
 CUM OIL YIELD: 0.0062 BBL/MCF
 OIL YIELD: 0.0062 BBL/MCF, LAST 3 YRS
 AVG. USED: 0.0062 BBL/MCF

DAKOTA PROJECTED DATA

1/1/98 Q1: 45 MCFD
 DECLINE RATE: 3.5% (EXPONENTIAL)

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	44.6	0.3
1999	43.0	0.3
2000	41.5	0.3
2001	40.1	0.2
2002	38.7	0.2
2003	37.3	0.2
2004	36.0	0.2
2005	34.8	0.2
2006	33.5	0.2
2007	32.4	0.2
2008	31.2	0.2
2009	30.1	0.2
2010	29.1	0.2
2011	28.1	0.2
2012	27.1	0.2
2013	26.1	0.2
2014	25.2	0.2
2015	24.3	0.2
2016	23.5	0.1
2017	22.7	0.1
2018	21.9	0.1
2019	21.1	0.1
2020	20.4	0.1
2021	19.7	0.1
2022	19.0	0.1
2023	18.3	0.1
2024	17.7	0.1
2025	17.0	0.1
2026	16.4	0.1
2027	15.9	0.1
2028	15.3	0.1
2029	14.8	0.1
2030	14.3	0.1
2031	13.8	0.1
2032	13.3	0.1

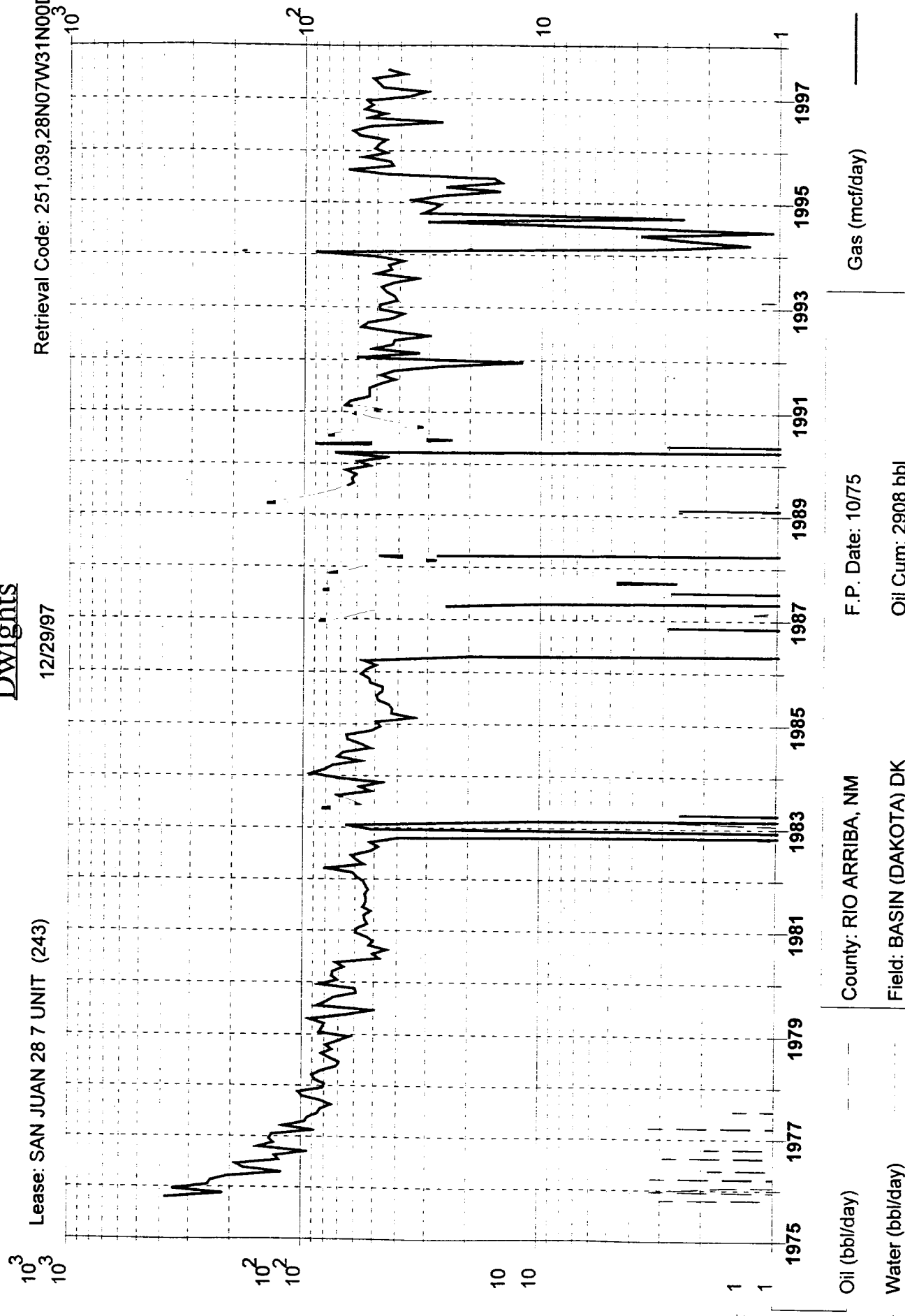
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

Dwights

Lease: SAN JUAN 28 7 UNIT (243)

12/29/97

Retrieval Code: 251,039,28N07W31N00DK



Oil (bb/day)

Water (bbl/day)

Gas (mcf/day)

County: RIO ARRIBA, NM

F.P. Date: 10/75

Field: BASIN (DAKOTA) DK

Oil Cum: 2908 bbl

Reservoir: DAKOTA

Gas Cum: 466.5 mmcf

Operator: CONOCO INC

Location: 31N 28N 7W

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 30-039-21084		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 016608		5 Property Name San Juan 28-7 Unit			6 Well Number 243
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6298' GL

10 Surface Location

UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	28N	7W		1180	South	1465	West	Rio Arriba

11 Bottom Hole Location If Different From Surface

UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 305		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					
1465'		0		1180'	

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
January 6, 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

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-55

All distances must be from the outer boundaries of the Section.

Operator EL PASO NATURAL GAS COMPANY		Lease SAN JUAN 28-7 UNIT (SF-078500-A)		Well No. 243
Unit Letter N	Section 31	Township 28-N	Range 7-W	County RIO ARriba
Actual Footage Location of Well: 1180 feet from the SOUTH line and 1465 feet from the WEST line				
Ground Level Elev. 6298	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 339.73 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

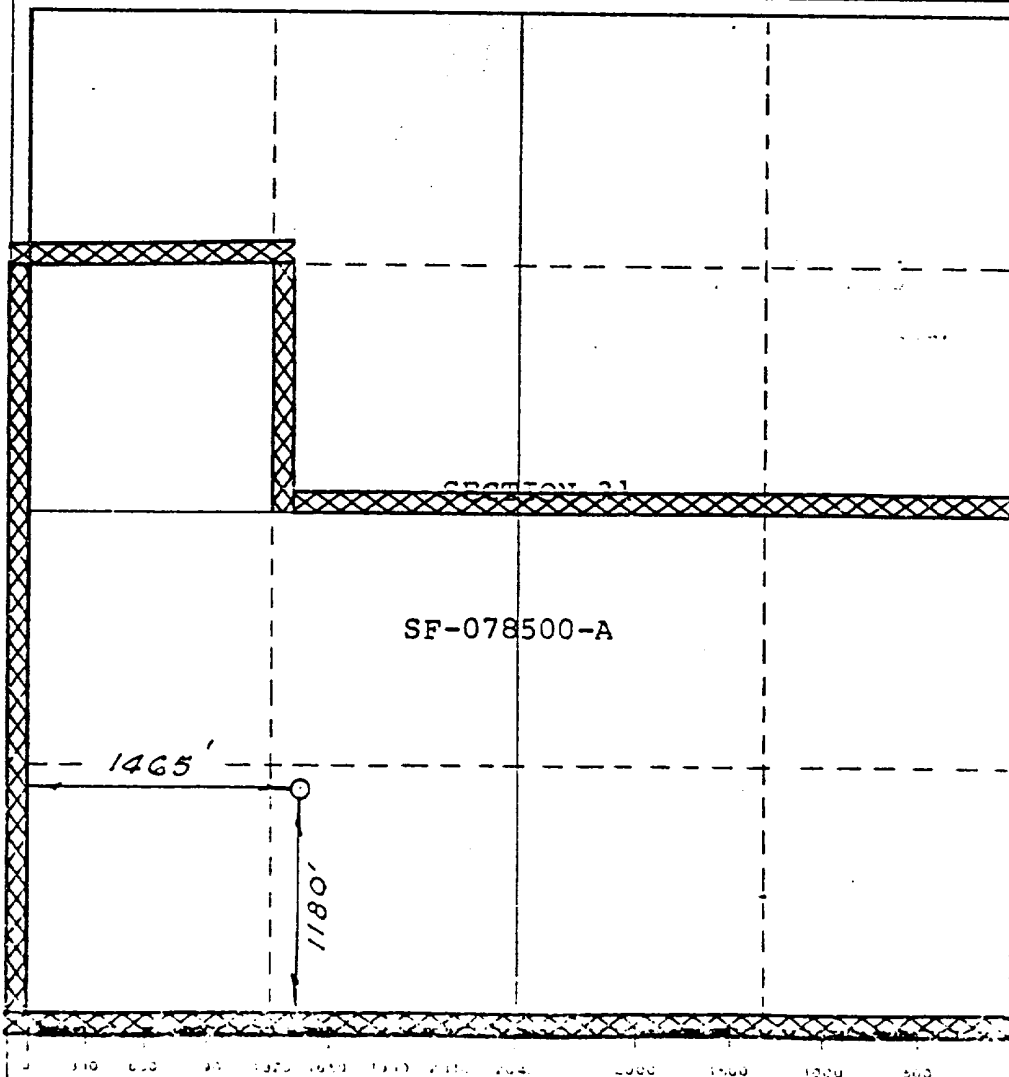
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation **Unitization**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Original Signed by D. G. Brisco	
Name	Drilling Clerk
Position	El Paso Natural Gas Co.
Company	April 24, 1975
Date	
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 knowledge and belief.	
Date Surveyed	APRIL 15, 1975
Registered Professional Engineer and/or Land Surveyor	
Section No.	1760



Mid-Continent Region
Exploration/Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
(915) 686-5400

San Juan 28-7 Unit Well # 243
Downhole Commingle Application C-107-A

RE: Offset Operators

Amoco Prod. Co.
PO Box 800
Denver, CO 80265

S&G Interests LTD
811 Dallas STE 1505
Houston, TX 77002

Burlington Oil & Gas Resources
PO Box 4289
Farmington, NM 87499