

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 3-12-98

DISTRICT II

811 South First St. Artesia NM 88210 2835

DISTRICT III

1000 Rio Brazos Rd. Aztec, NM 87410 1693

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

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

San Juan 28-7 Unit

165 E

Section 16, T-27-N, R-7-W, I

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073 Property Code 016608 API NO. 30-039-23337

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)	5300-5538'		7410-7584'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift:	457		751
Gas & Oil - Flowing:	b. (Original)	b.	b.
All Gas Zones:	1230		2844
Estimated Or Measured Original			
6. Oil Gravity (*API) or Gas BT Content	1333		1270
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	Date Rates	Date Rates
	Incremental Production by Subtraction		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. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) R-10476-B

16. ATTACHMENTS

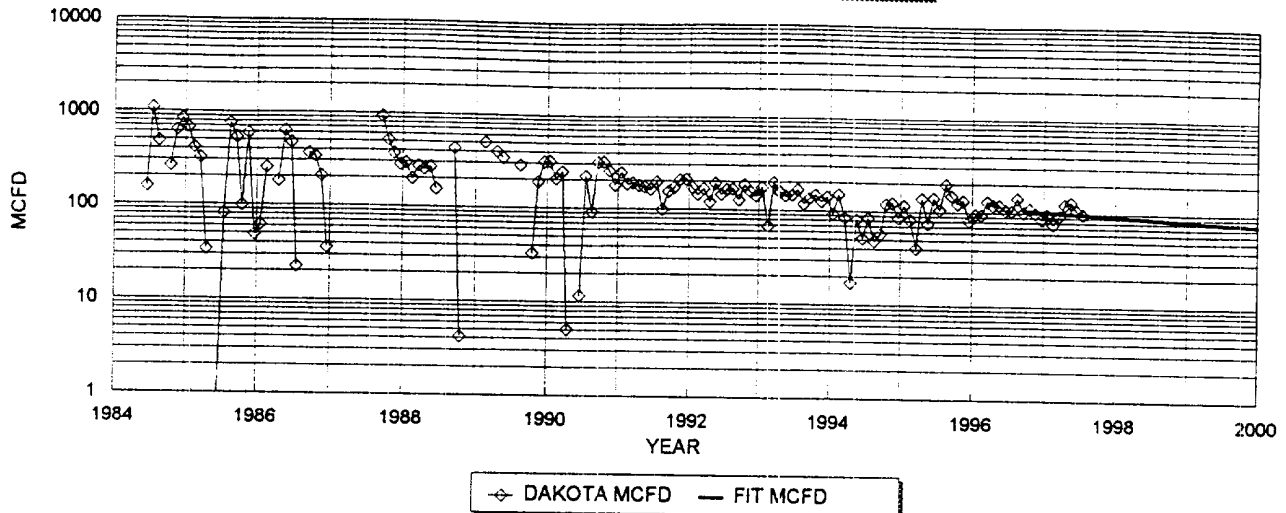
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation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

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

**SAN JUAN 28-7 NO. 165E DAKOTA PRODUCTION
SECTION 161-27N-07W**



DAKOTA HISTORICAL DATA:		1ST PROD: 06/84	DAKOTA PROJECTED DATA	
OIL CUM:	8.22	MBO	1/1/98 Q1:	93 MCFD
GAS CUM:	849.2	MMCF	DECLINE RATE:	9.4% (EXPONENTIAL)
CUM OIL YIELD:	0.0097	BBL/MCF		
OIL YIELD:	0.0067	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0082	BBL/MCF		

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	88.9	0.7
1999	80.6	0.7
2000	73.0	0.6
2001	66.1	0.5
2002	59.9	0.5
2003	54.3	0.4
2004	49.2	0.4
2005	44.6	0.4
2006	40.4	0.3
2007	36.6	0.3
2008	33.1	0.3
2009	30.0	0.2
2010	27.2	0.2
2011	24.6	0.2
2012	22.3	0.2
2013	20.2	0.2
2014	18.3	0.2
2015	16.6	0.1
2016	15.0	0.1
2017	13.6	0.1
2018	12.3	0.1
2019	11.2	0.1
2020	10.1	0.1
2021	9.2	0.1
2022	8.3	0.1
2023	7.5	0.1
2024	6.8	0.1
2025	6.2	0.1
2026	5.6	0.0
2027	5.1	0.0
2028	4.6	0.0
2029	4.2	0.0
2030	3.8	0.0
2031	3.4	0.0
2032	3.1	0.0

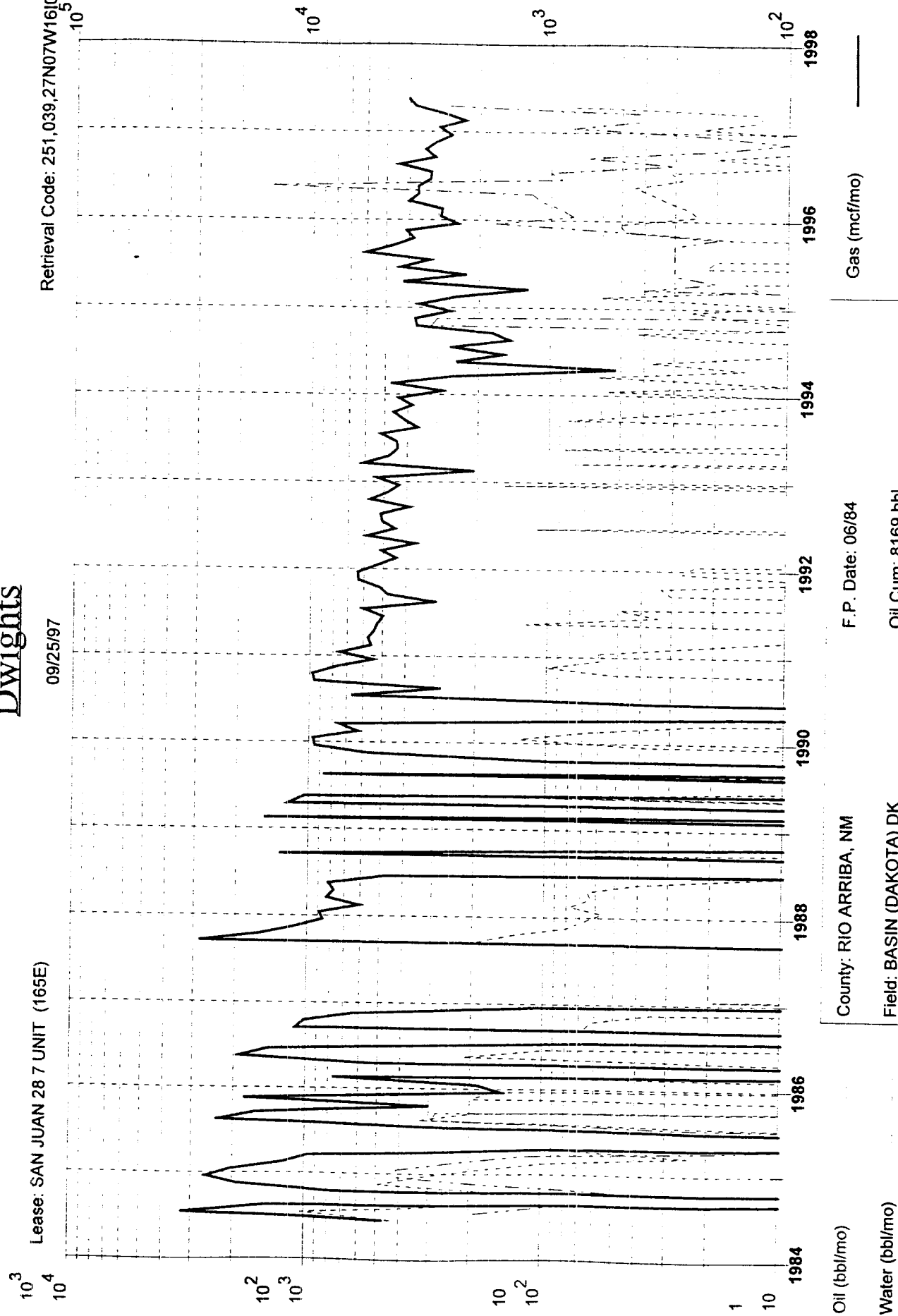
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

Dwights

Lease: SAN JUAN 28 7 UNIT (165E)

09/25/97

Retrieval Code: 251,039,27N07W16100DK



Oil (bbl/mo)

Water (bbl/mo)

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 06/84

Oil Cum: 8169 bbl

Gas Cum: 842.8 mmcf

Location: 161 27N 7W

Gas (mcf/mo)

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 30-039-23337	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number 165 E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6648' KB

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
I	16	27N	7W		1760	South	830	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 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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 <i>Kay Maddox</i> Signature Kay Maddox Printed Name Regulatory Agent Title <i>January 6, '98</i> 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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

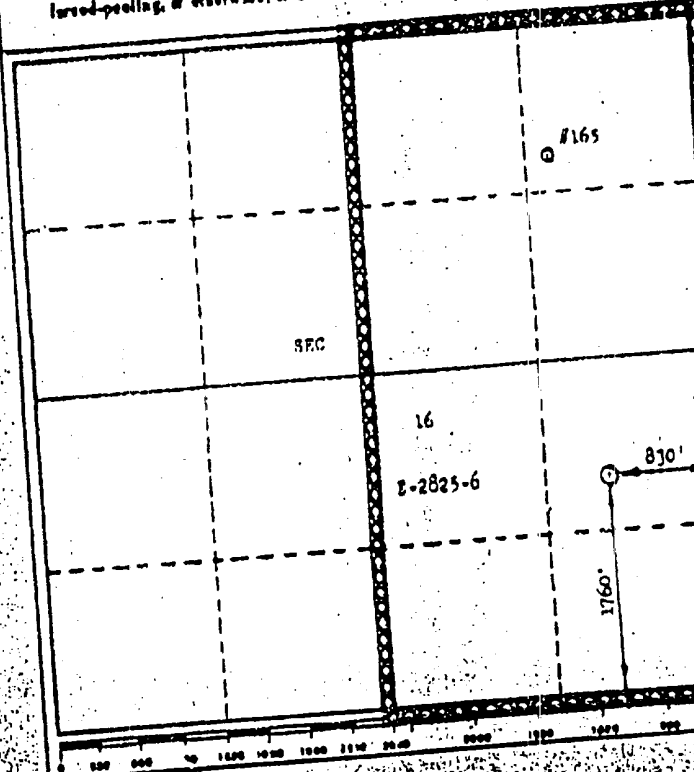
OIL CONSERVATION DIVISION
P. O. BOX 1000
SANTA FE, NEW MEXICO 87501

Form O-100
Revised 10-1-78

All dimensions must be from the corner boundaries of the location.

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 211-7 Unit (X-2825-6)		Well No. 165R
Unit Letter I	Section 16	Township 27-N	Range 7-W	County Hip Arriba
Actual Wellbore Location of Well				
1760	feet from the South	830	feet from the East	Estimated Accrual 120.00
Ground Level Elev. 6636	Producing Formation Dakota	Basin Dakota		

1. Outline the acreage dedicated to the subject well by colored pencil or heretofore marks on the plot 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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

N. D. Bues
Name
Drilling Clerk

Position
El Paso Natural Gas Co.

Company
November 10, 1983

Date

I hereby certify that the well location shown on this plot 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
October 25, 1983

Registered Professional Engineer and Licensed Surveyor
David W. Kline
Certificate 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
Downhole Commingle Application C-107-A

RE: Offset Operators

Conoco, Inc is the only offset operator.