

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 153

Section 20, T-27-N, R-7-W, A

County Rio Arriba

OGRID NO. 005073

Property Code 016608

API NO. 30-039-20405

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)	4984-5410'		7292-7462'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 457 b(Original) 1230	<div>RECEIVED JAN 09 1998 OIL CON. DIV. DIST. 3</div> b. 2946	a. 751 b. 2946
6. Oil Gravity (*API) or Gas BT Content	1330		1120
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 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 Date Rates	Date Rates Mid-Year Avg Rates - See Table Date Rates
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

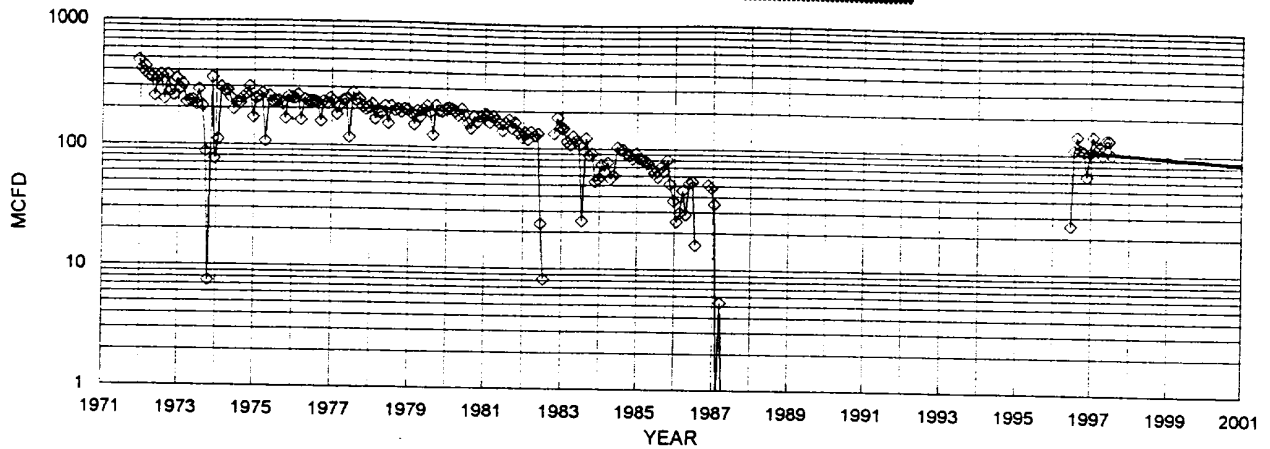
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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. 153 DAKOTA PRODUCTION
SECTION 20A-27N-07W**



○ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA: 1ST PROD: 12/71

OIL CUM: 21.79 MBO
GAS CUM: 984.4 MMCF
CUM OIL YIELD: 0.0221 BBL/MCF
OIL YIELD: 0.0135 BBL/MCF, LAST 3 YRS
AVG. USED: 0.0178 BBL/MCF

DAKOTA PROJECTED DATA

1/1/98 Q1: 100 MCFD
DECLINE RATE: 5.1% (EXPONENTIAL)

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

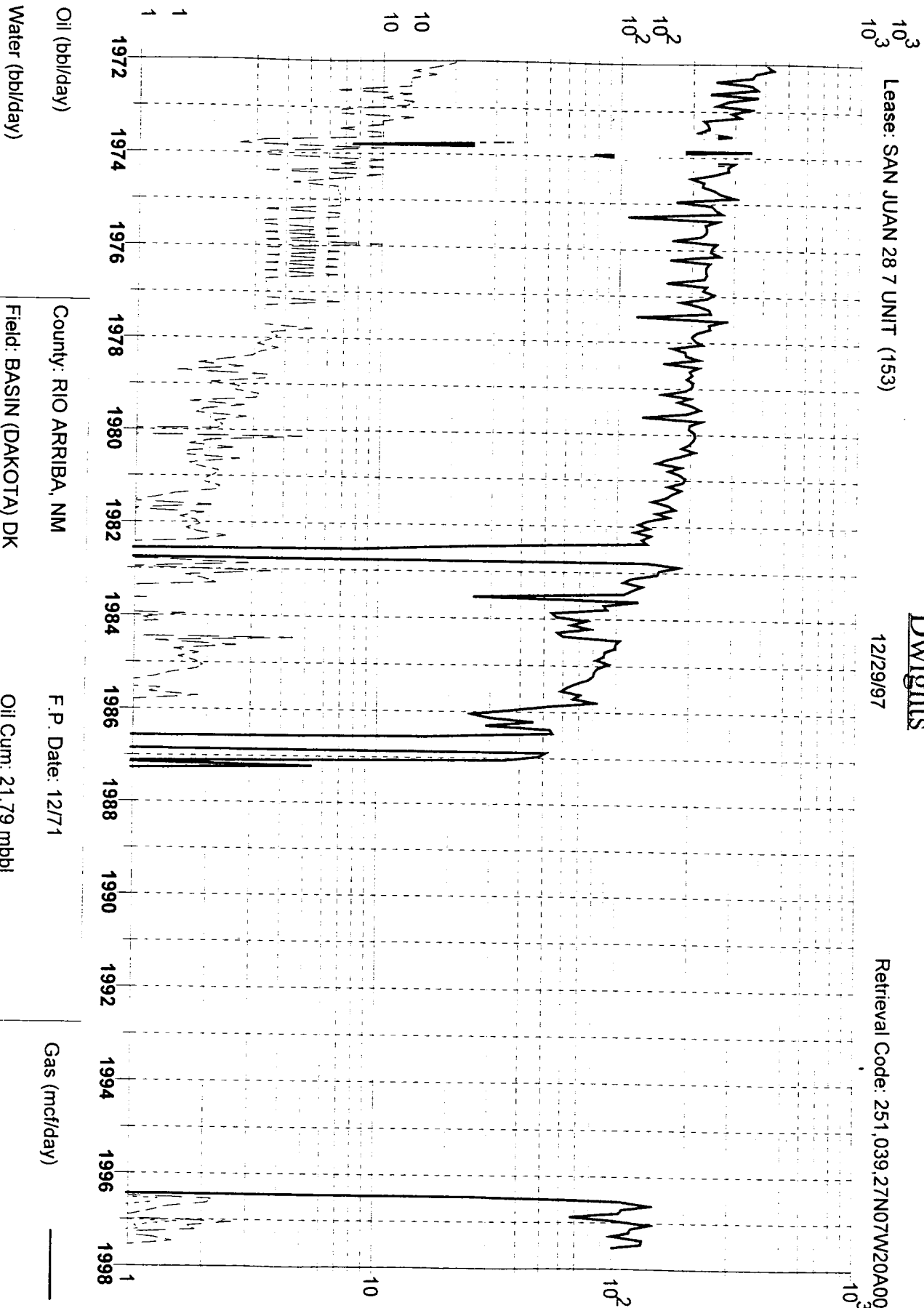
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	97.5	1.7
1999	92.6	1.6
2000	87.8	1.6
2001	83.4	1.5
2002	79.1	1.4
2003	75.1	1.3
2004	71.2	1.3
2005	67.6	1.2
2006	64.2	1.1
2007	60.9	1.1
2008	57.8	1.0
2009	54.8	1.0
2010	52.0	0.9
2011	49.4	0.9
2012	46.9	0.8
2013	44.5	0.8
2014	42.2	0.8
2015	40.1	0.7
2016	38.0	0.7
2017	36.1	0.6
2018	34.2	0.6
2019	32.5	0.6
2020	30.8	0.5
2021	29.3	0.5
2022	27.8	0.5
2023	26.3	0.5
2024	25.0	0.4
2025	23.7	0.4
2026	22.5	0.4
2027	21.4	0.4
2028	20.3	0.4
2029	19.2	0.3
2030	18.3	0.3
2031	17.3	0.3
2032	16.4	0.3

Dwights

Lease: SAN JUAN 28 7 UNIT (153)

12/29/97

Retrieval Code: 251,039,27N07W20A00DK



Oil (bbl/day)

Water (bbl/day)

County: RIO ARriba, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 12/71

Oil Cum: 21.79 mbbl

Gas Cum: 984.4 mmcf

Location: 20A 27N 7W

Gas (mcf/day)

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 30-039-20405		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 016608		5 Property Name San Juan 28-7 Unit			6 Well Number 153
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6550' GL

10 Surface Location

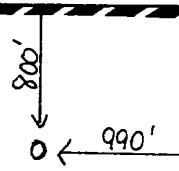
UL or lat. no. A	Section 20	Township 27N	Range 7W	Lot Idn	Feet from the 800	North/South line North	Feet from the 990	East/West line East	County Rio Arriba
---------------------	---------------	-----------------	-------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------------

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 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			17 OPERATOR CERTIFICATION	
			I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
			Signature <i>Kay Maddox</i> Kay Maddox	
			Printed Name Regulatory Agent	
			Title <i>January 6, '98</i>	
			Date <i>January 6, '98</i>	
			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	

UNITIZATION AND ACREAGE DEDICATION PLAT

EL PASO NATURAL GAS COMPANY

SAN JUAN 28-7 UNIT

(SF-078640)

153

A

20

27-N

7-W

RIO ARriba

800

NORTH

990

EAST

6550

DAKOTA

BASIN DAKOTA

320.00

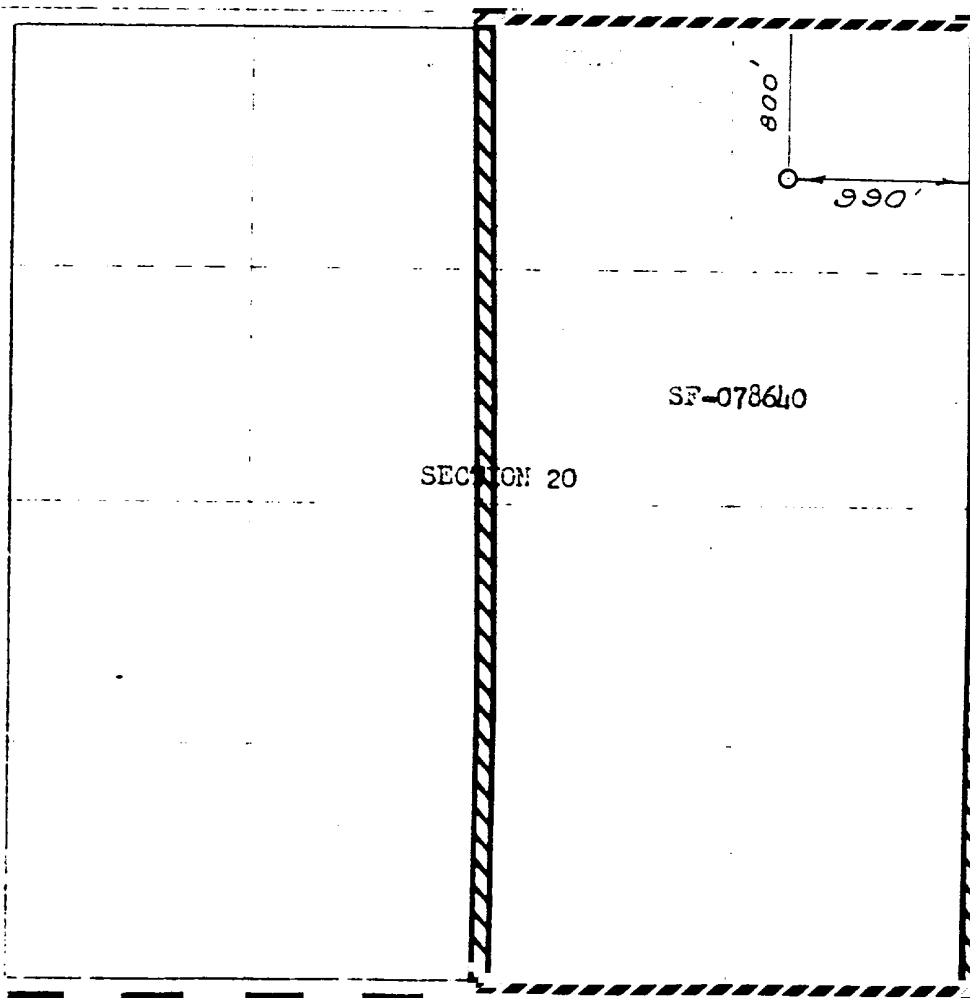
1. Outline the acreage dedicated to the subject well by colored pencil or hand marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and enter the ownership, interest, acreage, interest and royalty.
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners represented by communitization, unitization, force-pooling, etc.

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

Unitization

If answer is "No," list the owners and their 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 standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Original Signed F. H. WOOD

Petroleum Engineer

El Paso Natural Gas Company

August 10, 1971

AUGUST 11, 1970

[Signature]

1750



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.