

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

Operator

Address

San Juan 28-7 Unit

113

Section 18, T-27-N, R-7-W, A

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code 016608

API NO.

30-039-21662

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)	5512-5663'		7326-7554'
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.	a.
Oil Zones - Artificial Lift: Estimated Current	457		619
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1230		2970
6. Oil Gravity (*API) or Gas BT Content	1330		1305
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 - % of 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

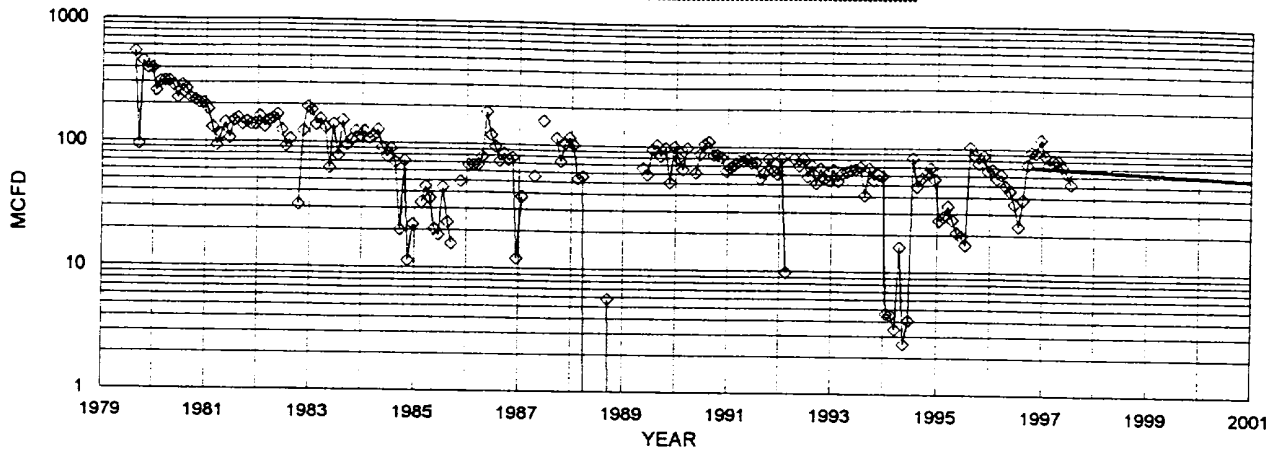
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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. 113 DAKOTA PRODUCTION
SECTION 18A-27N-07W**



→ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA: 1ST PROD: 07/79

OIL CUM: 8.38 MBO

GAS CUM: 567.9 MMCF

CUM OIL YIELD: 0.0148 BBL/MCF

OIL YIELD: 0.0120 BBL/MCF, LAST 3 YRS

AVG. USED: 0.0134 BBL/MCF

DAKOTA PROJECTED DATA

1/1/98 Q1: 67 MCFD

DECLINE RATE: 4.8% (EXPONENTIAL)

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

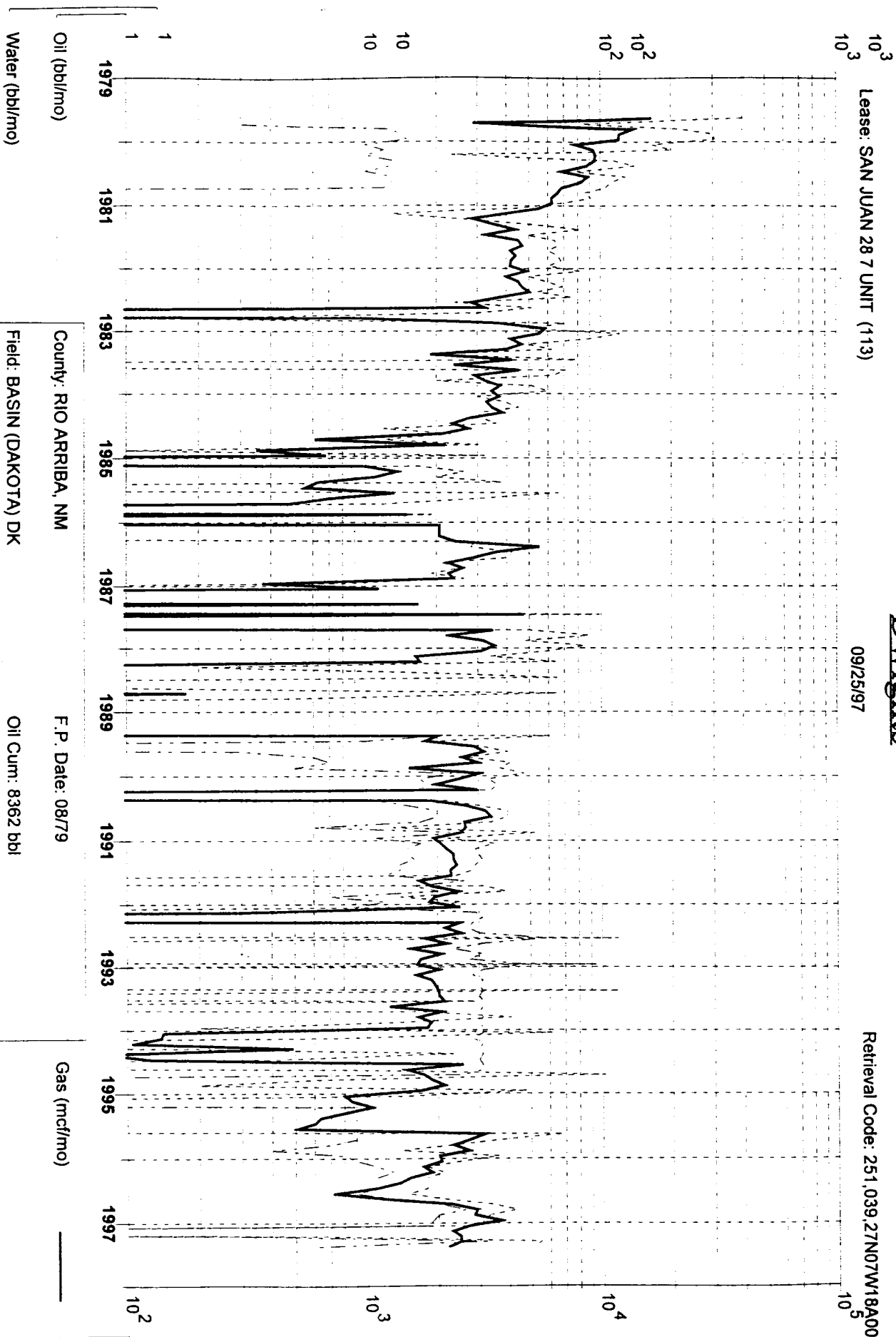
YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1998	65.4	0.9
1999	62.2	0.8
2000	59.2	0.8
2001	56.4	0.8
2002	53.7	0.7
2003	51.1	0.7
2004	48.7	0.7
2005	46.3	0.6
2006	44.1	0.6
2007	42.0	0.6
2008	40.0	0.5
2009	38.1	0.5
2010	36.2	0.5
2011	34.5	0.5
2012	32.8	0.4
2013	31.3	0.4
2014	29.8	0.4
2015	28.3	0.4
2016	27.0	0.4
2017	25.7	0.3
2018	24.4	0.3
2019	23.3	0.3
2020	22.2	0.3
2021	21.1	0.3
2022	20.1	0.3
2023	19.1	0.3
2024	18.2	0.2
2025	17.3	0.2
2026	16.5	0.2
2027	15.7	0.2
2028	14.9	0.2
2029	14.2	0.2
2030	13.5	0.2
2031	12.9	0.2
2032	12.3	0.2

Dwights

Lease: SAN JUAN 28 7 UNIT (113)

09/25/97

Retrieval Code: 251.039.27N07W18A00DK



Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)

County: RIO ARriba, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 08/79

Oil Cum: 8362 bbl

Gas Cum: 564.4 mmcf

Location: 18A 27N 7W

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

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

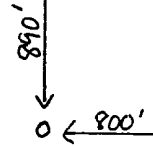

API Number 30-039-21662		2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit		6 Well Number 113
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500		9 Elevation 6606 GL

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	27N	7W		890	North	800	East	Rio Arriba

UL or lot no.	Section	Township	Range	Lot 1 on	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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			<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">  </div> <p>Signature Kay Maddox</p> <hr/> <p>Printed Name Regulatory Agent</p> <hr/> <p>Title January 6, '98</p> <p>Date</p>
			<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <hr/> <p>Date of Survey</p> <hr/> <p>Signature and Seal of Professional Surveyor:</p> <div style="border-bottom: 1px solid black; height: 40px; margin-top: 10px;"></div> <hr/> <p>Certificate Number</p>

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-123
Effective 1-1-55

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

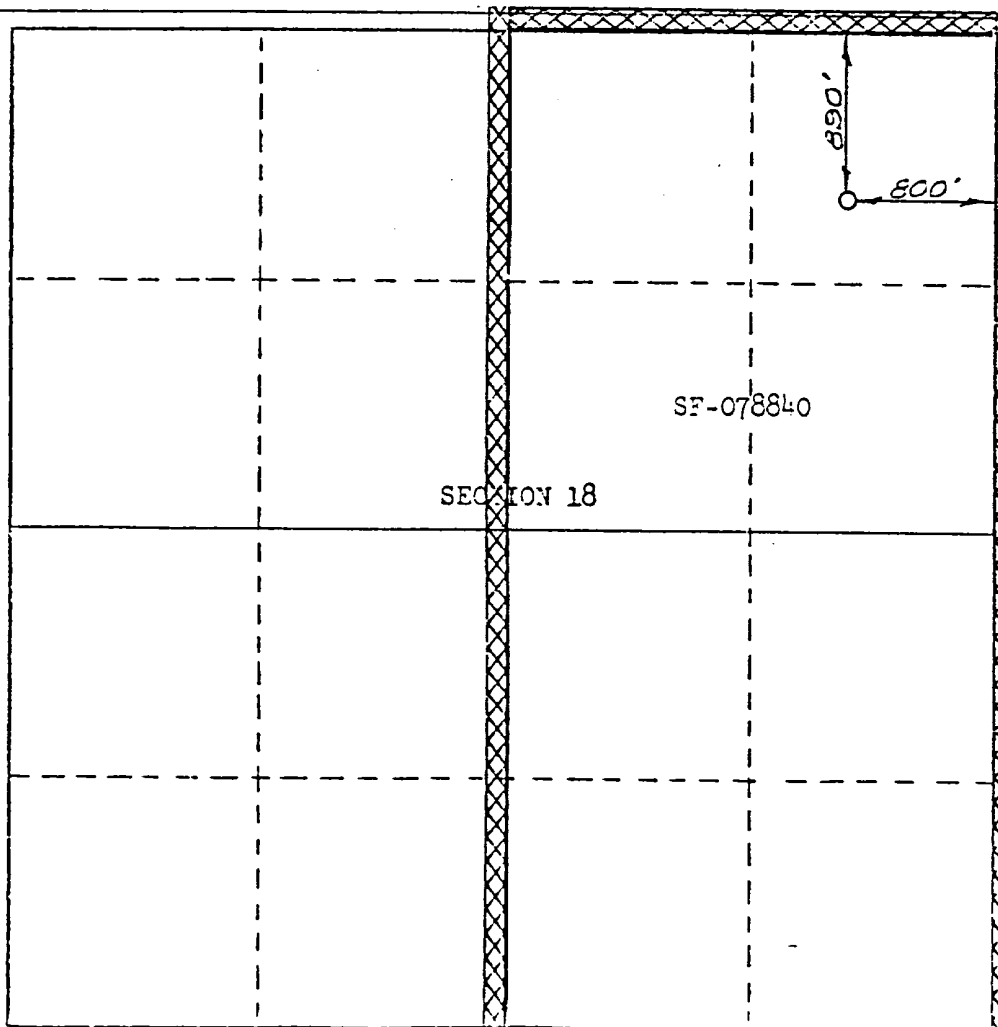
Operator EL PASO NATURAL GAS COMPANY			Lease SAN JUAN 28-7 UNIT (SF-078640)		Well No. 113
Unit Letter A	Section 18	Township 27-N	Range 7-W	County PIO ARriba	
Actual Footage Location of Well: 890 feet from the NORTH line and 800 feet from the EAST line					
Ground Level Elev. 6606	Producing Formation DAKOTA		Pool BASIN DAKOTA		Dedicated Acreage: 320.00 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.

M. G. Lewis

Name
Drilling Clerk
Position
El Paso Natural Gas Co.
Company
March 1, 1978
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
AUGUST 1, 1974

Registered Field Surveyor
and/or Certified Surveyor

[Signature]
1760

330 630 930 1230 1530 1830 2130 2430 2730 3030 3330 3630



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.