

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

APR 16 PM 12:54

670 175 1000 NM

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>SF 078417</b>
2. Name of Operator <b>CONOCO INC.</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T. R. M. or Survey Description) <b>Section 7. T-28-N, R-7-W, P 1150' FSL &amp; 245' FEL</b>	8. Well Name and No. <b>San Juan 28-7 Unit # 246</b>
	9. API Well No. <b>30-039-21649</b>
	10. Field and Pool, or Exploratory Area <b>Blanco Mesaverde, Basin Dakota</b>
	11. County or Parish, State <b>Rio Arriba, NM</b>

**CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Repon	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracuring
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <b>DHC</b>	<input type="checkbox"/> Dispose Water

(Note: Repon results of multiple completion on Wdl Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

It is proposed to downhole commingle the Mesaverde & Dakota in this well.

RECEIVED  
APR 22 1999  
OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct		
Signed <b>Kay Maddox</b>	Title <b>Kay Maddox Regulatory Agent</b>	Date <b>4/13/99</b>
(This space for Federal or State office use)		
Approved by <b>/s/ Duane W. Spencer</b>	Title <b>Team Lead, Petroleum Management</b>	Date <b>APR 20 1999</b>
Conditions of approval if any:		

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

DISTRICT II

811 South First St. Artesa NM 88210 2835

DISTRICT III

1000 Rue Brazos Rd. Aztec, NM 87410 1893

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-8429

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

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BLM  
99 APR 16 PM 12:54  
070 FARMINGTON, NM

Operator: Conoco Inc. Address: 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease: San Juan 28-7 Unit Well No: #246 Unit Ltr Sec Twp Rge: Section 7, T-28-N, R-7-W, P County: San Juan

OGRIID NO. 005073 Property Code 016608 API NO. 30-039-21649 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)	5136-5874'		7773-7984'
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: Estimated Current	457		751
Gas & Oil - Flowing: Measured Current	b.(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1230		2946
6. Oil Gravity (*API) or Gas BT Content	1265		1189
7. Producing or Shut-in?	To be Completed		Producing
Production Marginal? (yes or no)	Expected 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 Estimated 350-450 MCFD Allocation by Subtraction See attached chart	Date Rates	Date Rates 2/1/99 42 MCFD
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

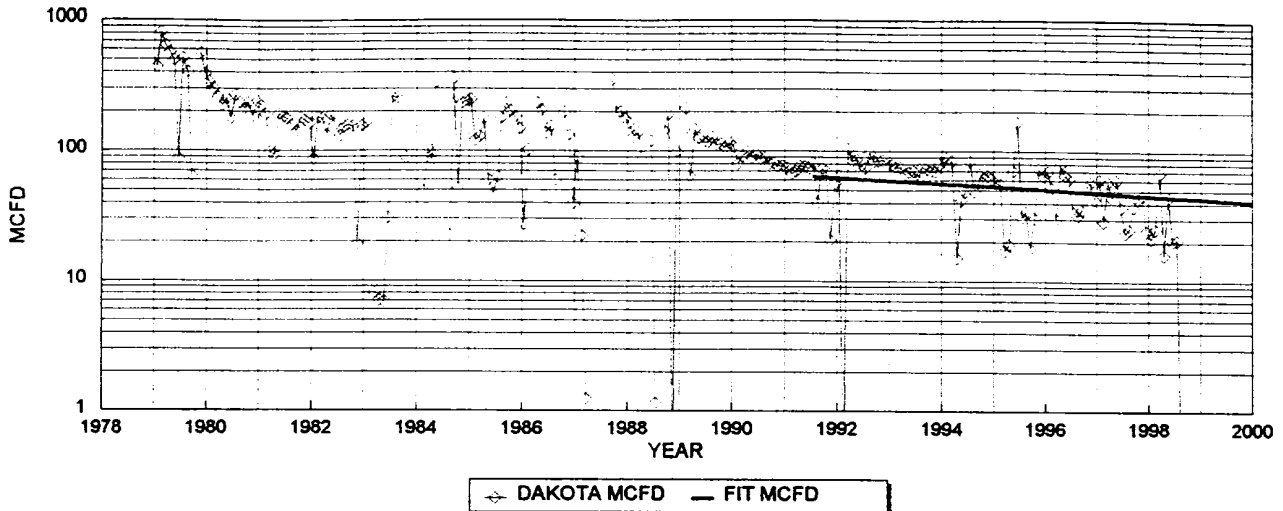
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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 April 13, 1999

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

**SAN JUAN 28 7 UNIT #246 DAKOTA PRODUCTION  
SECTION 7P-28N-07W**

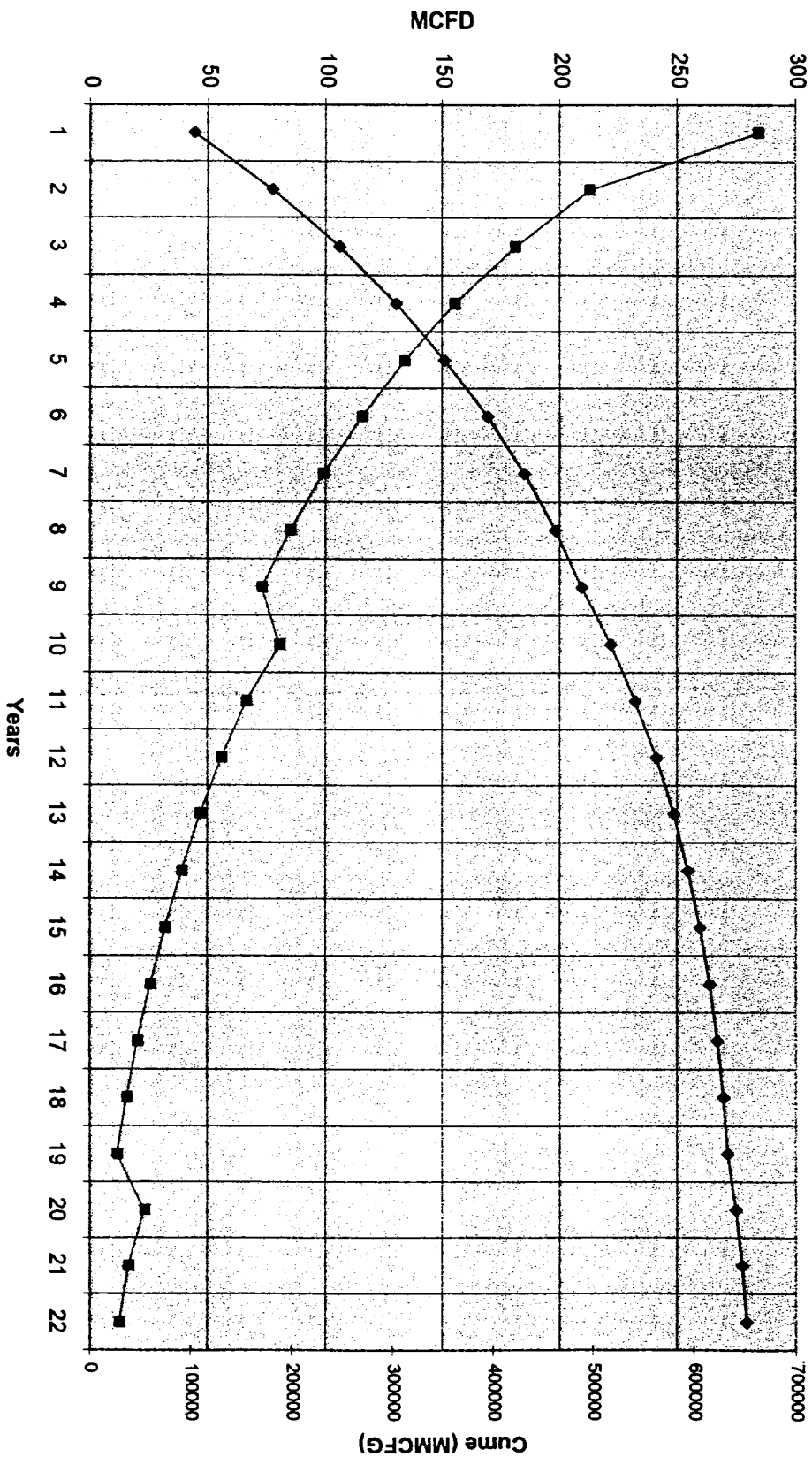


DAKOTA HISTORICAL DATA:		1ST PROD: 1/79	DAKOTA PROJECTED DATA	
OIL CUM:	4672.00	MBO	1/1/99 Qi:	43 MCFD
GAS CUM:	811506.0	MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
CUM OIL YIELD:	0.0050	BBL/MCF		
OIL YIELD:	0.0050	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0050	BBL/MCF		

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1999	42.2	0.2
2000	40.1	0.2
2001	38.1	0.2
2002	36.2	0.2
2003	34.4	0.2
2004	32.7	0.2
2005	31.1	0.2
2006	29.5	0.1
2007	28.0	0.1
2008	26.6	0.1
2009	25.3	0.1
2010	24.0	0.1
2011	22.8	0.1
2012	21.7	0.1
2013	20.6	0.1
2014	19.6	0.1
2015	18.6	0.1
2016	17.7	0.1
2017	16.8	0.1
2018	15.9	0.1
2019	15.1	0.1
2020	14.4	0.1
2021	13.7	0.1
2022	13.0	0.1
2023	12.3	0.1
2024	11.7	0.1
2025	11.1	0.1
2026	10.6	0.1
2027	10.0	0.1
2028	9.5	0.0
2029	9.1	0.0
2030	8.6	0.0
2031	8.2	0.0
2032	7.8	0.0
2033	7.4	0.0

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

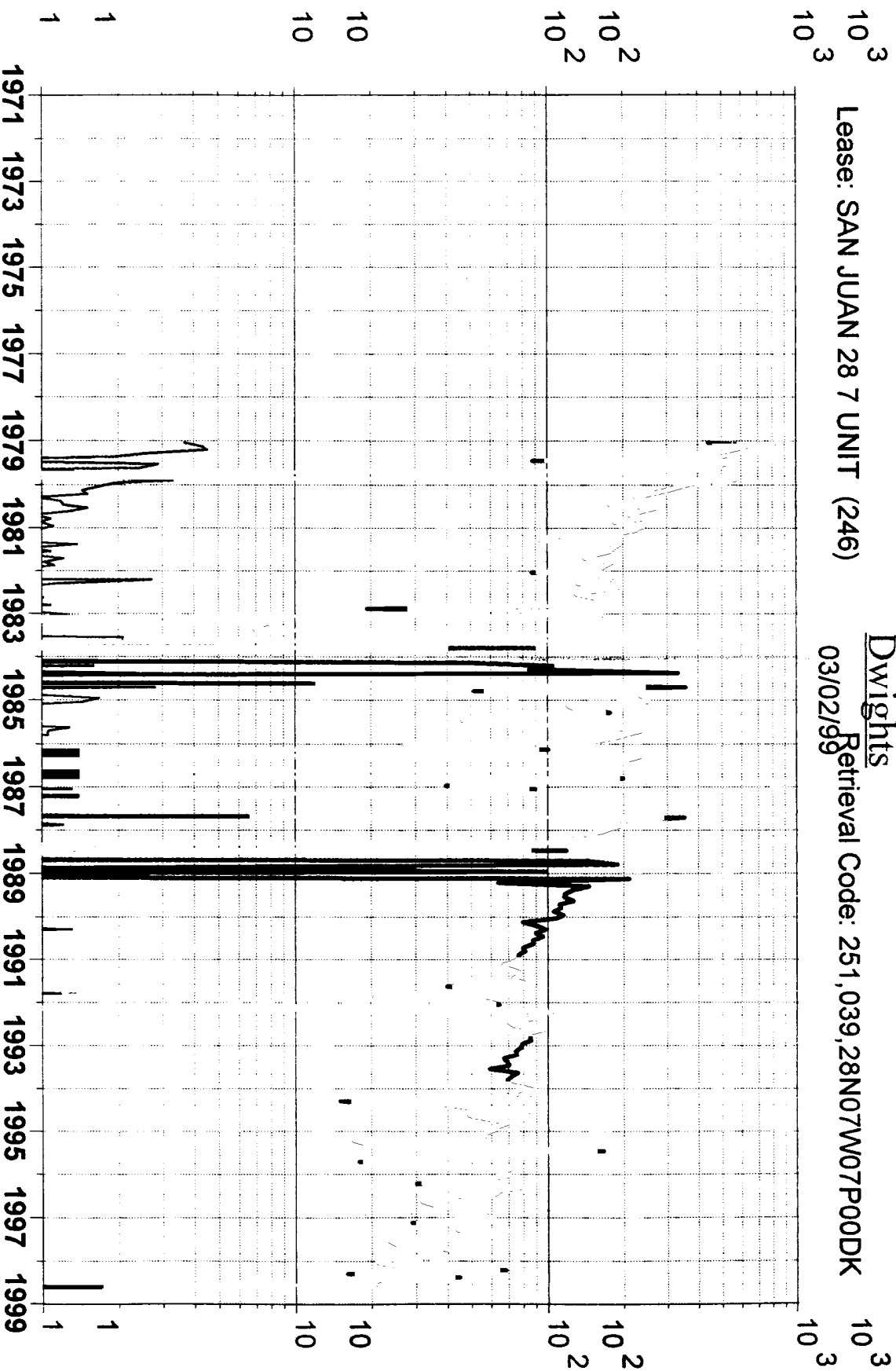
# Expected MV Performance - SJ 28-7 #246



Lease: SAN JUAN 28 7 UNIT (246)

Dwights  
03/02/99

Retrieval Code: 251,039,28N07W07P00DK



Gas (mcf/day)

County: RIO ARriba, NM

F.P. Date: 01/79

Oil (bbl/day)

Water (bbl/day)

Field: BASIN (DAKOTA) DK

Oil Cum: 4072 bbl

Well Count

Reservoir: DAKOTA

Gas Cum: 811.5 mmmcf

Operator: CONOCO INC

Location: 7P 28N 7W

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

RECEIVED

Operator <b>El Paso Natural Gas Company</b>			Lease <b>San Juan 28-7 Unit (SF-078497)</b>		Well No. <b>112-216</b>
Unit Letter <b>P</b>	Section <b>7</b>	Township <b>28N</b>	Range <b>7W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1150</b> feet from the <b>South</b> line and <b>245</b> feet from the <b>East</b> line					
Ground Level Elev: <b>6852</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>			Dedicated Acreage: <b>313.00</b> Acres

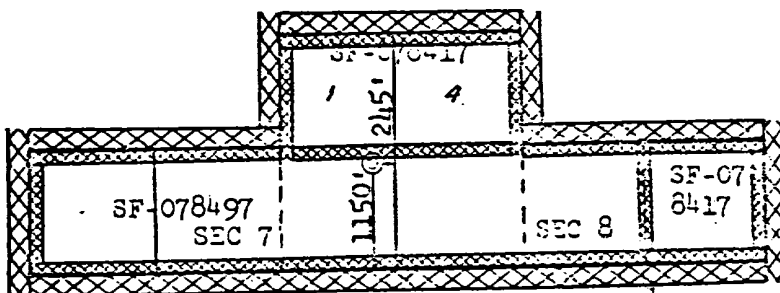
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

DEDICATION PER N.M.O.C.C. ORDER R-2948  
AUGUST 6, 1965



SCALE: 1"=2000'

CERTIFICATION

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

*A. G. Duico*

Name  
**Drilling Clerk**  
Position  
**El Paso Natural Gas Co.**  
Company  
**January 31, 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  
**November 30, 1977**  
Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**  
Certificate No.

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 30-039-21649	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number # 246
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6852'

10 Surface Location

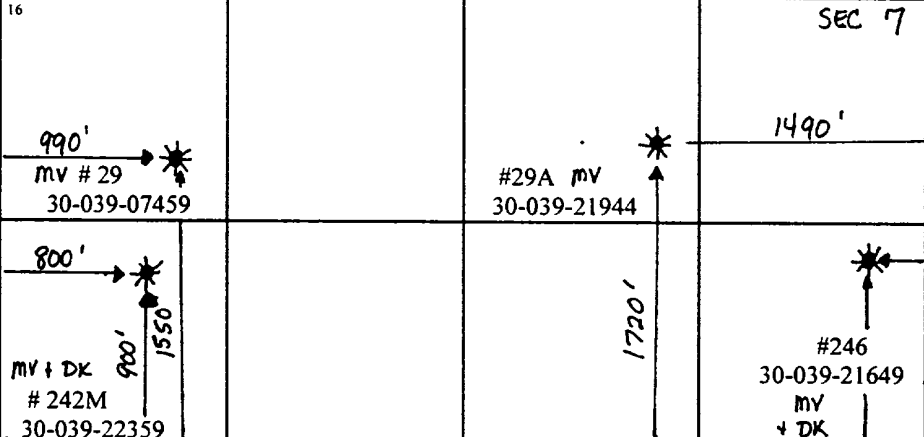
UL or lot no. P	Section 7	Township 28N	Range 7W	Lot Idn	Feet from the 1150	North/South line South	Feet from the 245	East/West line East	County Rio Arriba
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 313	13 Joint or Infill	14 Consolidation Code	15 Order No. R- 10987-A
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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	SEC 7	17 OPERATOR CERTIFICATION
		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
		Signature Kay Maddox
		Printed Name Kay Maddox
		Title Regulatory Agent
		Date February 24, 1999
		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

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 BLM  
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

RECEIVED  
99 APR 16 PM 12:54

070 FARMINGTON, NM

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21649	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number # 246
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6852'


#### 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
P	7	28N	7W		1150	South	245	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 313	13 Joint or Infill	14 Consolidation Code	15 Order No. R- 10987 - A						

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

<div>16</div>	<div>SEC 7</div>			<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  <div> Signature Kay Maddox Printed Name Regulatory Agent Title February 24, 1999 Date</div>	
				<div>245'</div>	
				<div>1150'</div>	
<div>SEC 18</div>				<b>18 SURVEYOR CERTIFICATION</b> 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	



San Juan 28-7 Unit Well # 246  
Section 7, T-28-N, R-7-W, P  
API # 30-039-21649  
Rio Arriba, NM

RE: Application for Downhole Commingling (C107-A)

**Notification of Offset Operators:**

Amoco  
PO Box 800  
Denver, CO 80201

Burlington Resources  
PO Box 4289  
Farmington, NM 87499

Taurus Exploration  
2101 6<sup>th</sup> Ave N  
Birmingham, AL 35203-2784

Richardson Operating Company  
1700 Lincoln St STE 1700  
Denver, CO 80203-4501

A copy of the C-107A application has been sent to the above listed parties.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-B355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. DESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR  
EL PASO NATURAL GAS CO.

3. ADDRESS OF OPERATOR  
BOX 289, FARMINGTON, NEW MEXICO DEC 21 1978

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1150'S, 245'E  
At top prod. interval reported below  
At total depth

JLF	GD
SD	BC
	TLS

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED 9/29/78 16. DATE T.D. REACHED 10/11/78 17. DATE COMPL. (Ready to prod.) 12/11/78 18. ELEVATIONS (DF, RES, ET, GR, ETC.)\* 6852 GL

20. TOTAL DEPTH, MD & TVD 8037' 21. PLUG BACK T.D., MD & TVD 8020' 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
7773-7984 (DK)

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CDL-GR; Ind.-GR; Temp. Survey

25. WAS DIRECTIONAL SURVEY MADE  
No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3#	215'	13 3/4"	224 cf.	
7"	20#	3836'	8 3/4"	280 cf.	
4 1/2"	10.5#	8037'	6 1/4"	654 cf.	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7958'	

31. PERFORATION RECORD (Interval, size and number) 7773, 7780, 7788, 7795, 7802, 7867, 7906, 7933, 7950, 7955, 7984 with 1 SPZ

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7773-7984	72,000# 40/60 sand; 82,000 gal. slick water.

33.\* PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) After Frac Gauge - 2047 MCF/D

WELL STATUS (Producing or shut-in) SI

DATE OF TEST SI 1992 HOURS TESTED SI 2462 CHOKER SIZE \_\_\_\_\_ PROD'N. FOR TEST PERIOD \_\_\_\_\_ OIL—BSL. \_\_\_\_\_ GAS—MCF. \_\_\_\_\_ WATER—BSL. \_\_\_\_\_ GAS-OIL RATIO \_\_\_\_\_

FLOW. TUBING PRESS. \_\_\_\_\_ CASING PRESSURE \_\_\_\_\_ CALCULATED 24-HOUR RATE \_\_\_\_\_ OIL—BSL. \_\_\_\_\_ GAS—MCF. \_\_\_\_\_ WATER—BSL. \_\_\_\_\_ OIL GRAVITY-API (CORR.) \_\_\_\_\_

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY J. Easley

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED \_\_\_\_\_ TITLE Drilling Clerk DATE 12/14/78

\*(See Instructions and Spaces for Additional Data on Reverse Side)