

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

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
Revised August 1999

APPROVAL PROCESS:

Administrative ☐ Hearing ☐

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

P.O. Box 2197 Houston, TX 77252-2197

Operator

Address

San Juan 28-7 unit

129

G, Sec. 2, T27N, R7W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073

Property Code

E-290-3

API NO.

30-039-20432

Federal

State

(and/or) Fee

The following facts are submitted in support of downhole commingling:			
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	4885 - 5563 proposed		7460 - 7670
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Expected to flow		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 4-10 b. (Original) 1,250		90 3,150
6. Oil Gravity (EAPI) or Gas BTU Content	1,250		1,120
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	Date: Rates: Expected rate 350 - 450 mcf/d	Date: Rates:	Date: Rates: Current rate 129 mcf/d
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)			
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	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

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 other? ☒ 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 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 Deborah Moore TITLE Regulatory Analyst DATE 1/5/00

TYPE OR PRINT NAME Deborah Moore TELEPHONE NO. (281) 293-1005

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State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-20432		² Pool Code 72319 / 71599		³ Pool Name Blanco Mesaverde / Basin Dakota	
⁴ Property Code E-290-3		⁵ Property Name San Juan 28-7			⁶ Well Number 129
⁷ OGRID No. 005073		⁸ Operator Name Conoco Inc.			⁹ Elevation

¹⁰ Surface Location

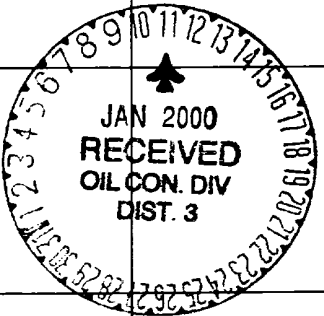
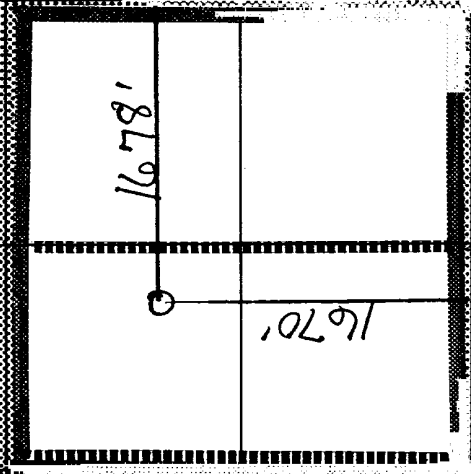
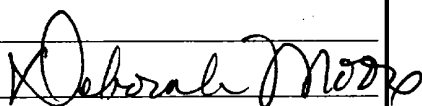
UL or lot no. G	Section 2	Township 27N	Range 7W	Lot Idn	Feet from the 1678	North/South line North	Feet from the 1670	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

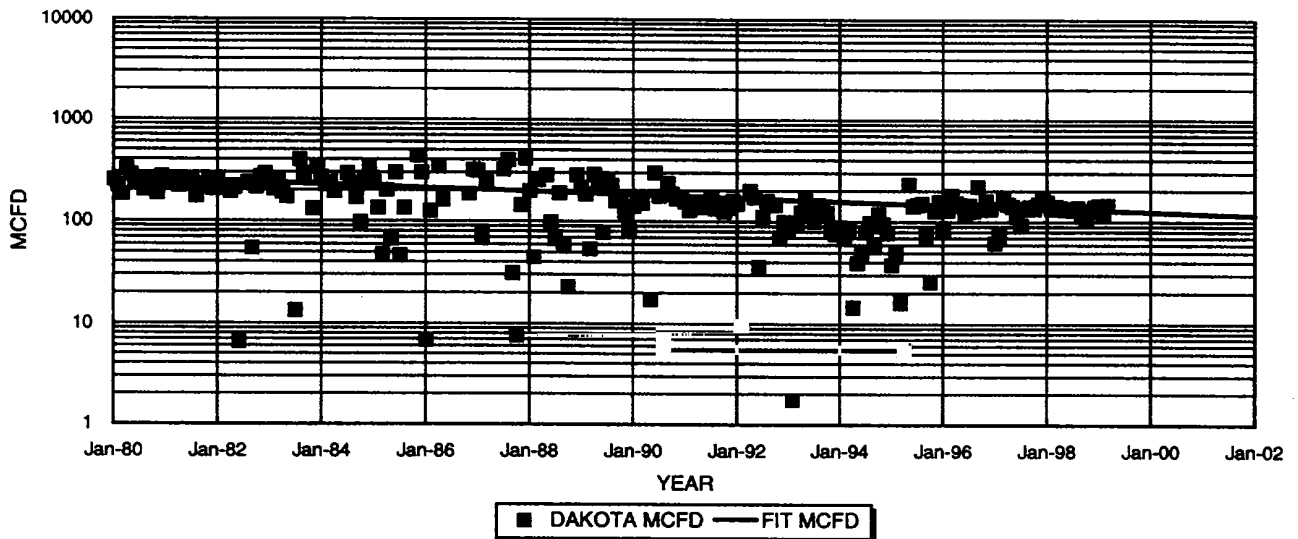
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 160 / 80	¹³ Joint or Infill I	¹⁴ Consolidation Code U	¹⁵ Order No.
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NO 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 Signature  Printed Name Deborah Moore Title Regulatory Analyst Date 1/5/00
		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 Surveyer: Certificate Number

**SJ 28-7 #129 DAKOTA PRODUCTION
SECTION 2G-27N-07W, RIO ARRIBA COUNTY, NEW MEXICO**



DAKOTA PRODUCTION

OIL CUM:	14.89	1ST PROD: 01/72
GAS CUM:	2097.3	MBO
OIL YIELD:	0.0070	MMCF
		BBL/MCF

DAKOTA PROJECTED DATA

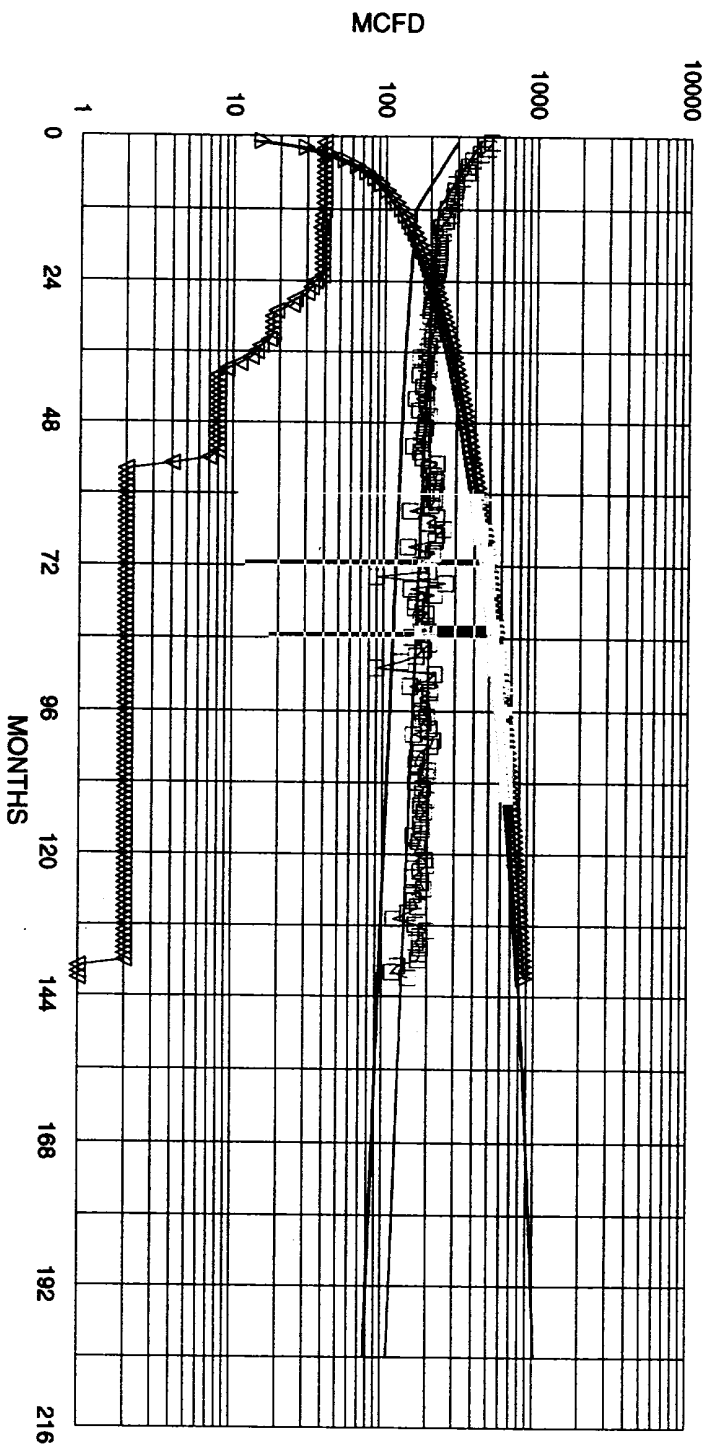
Jan.00 Qt:	126	MCFD
DECLINE RATE:	3.8%	(EXPONENTIAL)

API #30-038-20432

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
2000	123	1
2001	119	0
2002	114	0
2003	110	0
2004	106	0
2005	102	0
2006	98	0
2007	94	0
2008	91	0
2009	87	0
2010	84	0
2011	81	0
2012	78	0
2013	75	0
2014	72	0
2015	69	0
2016	67	0
2017	64	0
2018	62	0
2019	60	0
2020	57	0
2021	55	0
2022	53	0
2023	51	0
2024	49	0
2025	47	0
2026	46	0
2027	44	0

NORMALIZED MESAVERDE PRODUCTION
 PROD. SINCE 1985; 39 MV WELLS LOCATED IN 28N-7W (37 wells are 1990's completions)



Expected Mesaverde Production - 325 MCFD for Yr. 1

NORMALIZED AVG:

1788 MMCF EUR
 1145 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0139 bbl/mcf oil yield

450 MCFD IP

50% DECLINE, 1ST 12 MONTHS
 7% DECLINE, NEXT 24 MONTHS
 4% FINAL DECLINE

RISKED AVG:

30% RISK

1184 MMCF EUR
 802 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0139 bbl/mcf oil yield

315 MCFD IP

50.0% DECLINE, 1ST 12 MONTHS
 7.0% DECLINE, NEXT 24 MONTHS
 4.0% FINAL DECLINE

10³
10⁴

Lease: SAN JUAN 28 7 UNIT (129)

Dwights

Retrieval Code: 251,039,27N07W02G00DK
12/14/99

10²
10³

10²
10²
10³

10²
10²

10
10
10²

1
10

1
1
10

0.1
1

1970 1974 1978 1982 1986 1990 1994 1998

Gas (mcf/day)

Oil (bbl/day)

Well Count

Operator: CONOCO INC

Location: 2G 27N 7W

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

F.P. Date: 01/72

Oil Cum: 14.78 mbbl

Gas Cum: 2097 mmcf

L.P. Date: 08/99

Water (bbl/day)

Yield (bbl/mmcf) Av x

Lease: SAN JUAN 28 7 UNIT
Field: BASIN (DAKOTA) DK
Operator: CONOCO INC
RCI #: 251,039,27N07W02G00DK
API #: 30-039-20432-00

Well #: 129
Location: 2G 27N 7W
Liquid Cum: 14,777 bbls
Gas Cum: 2,097,314 mcf
Status: ACT GAS

FP Date: 72-01
LP Date: 99-08
Liq Since: FPDATE
Gas Since: FPDATE

DATE	OIL, BBLs	GAS, MCF	WATER, BBLs	WELLS
09/1998	22	3,502	0	1
10/1998	3	3,153	0	1
11/1998	25	3,895	0	1
12/1998	24	4,245	0	1
01/1999	33	4,384	0	1
02/1999	27	3,697	0	1
03/1999	14	4,429	0	1
04/1999	13	4,646	0	1
05/1999	21	4,084	0	1
06/1999	7	3,619	0	1
07/1999	3	3,777	0	1
08/1999	39	3,771	0	1
Total	231	47,202	0	

