

DATE IN <u>2/1/99</u>	SUSPENSE <u>2/22/99</u>	ENGINEER <u>DC</u>	LOGGED BY <u>KW</u>	TYPE <u>DHC</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

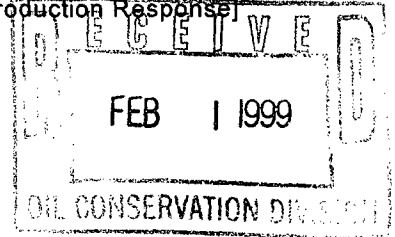
NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]



[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling

☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox	<u>Kay Maddox</u>	Regulatory Agent	<u>1/28/99</u>
Print or Type Name	Signature	Title	Date

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241 1980

DISTRICT II
811 Southl 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 #126M Unit Ltr Sec Twp Rge Section 1, T-27-N, R-7-W, F County Rio Arriba

OGRID NO. 005073 Property Code _____ API NO. N/A 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)	4437-5411'		7322-7580'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production {Flowing or Artificial Lift}	To flow		To flow
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current) 457	a. 	a. 751
	b(Original) 1230	b. 	b. 2946
6. Oil Gravity (°API) or Gas BT Content	1210		1213
7. Producing or Shut-In?	To be completed		To be completed
Production Marginal? (yes or no) • 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)	Expected Yes		Expected Yes
	Date Rates	Date Rates	Date Rates
	Expected rates 350-450 MCFD	Expected rates 400-500 MCFD	
8. Fixed Percentage Allocation Formula - % or 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 28, 1999

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

District II
Drawer 00, Artesia, NM 88211-0719OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088District III
1000 Rio Brazos Rd., Aztec, NM 87410District IV
PO Box 2088, Santa Fe, NM 87504-2088☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code	*Pool Name
		72319 / 71599	BLANCO MESAVERDE / BASIN DAKOTA
*Property Code	*Property Name		*Well Number
016608	SAN JUAN 28-7 UNIT		126M
*OGRID No.	*Operator Name		*Elevation
005073	CONOCO, INC.		6129'

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
F	1	27N	7W		1730	NORTH	2165	WEST	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

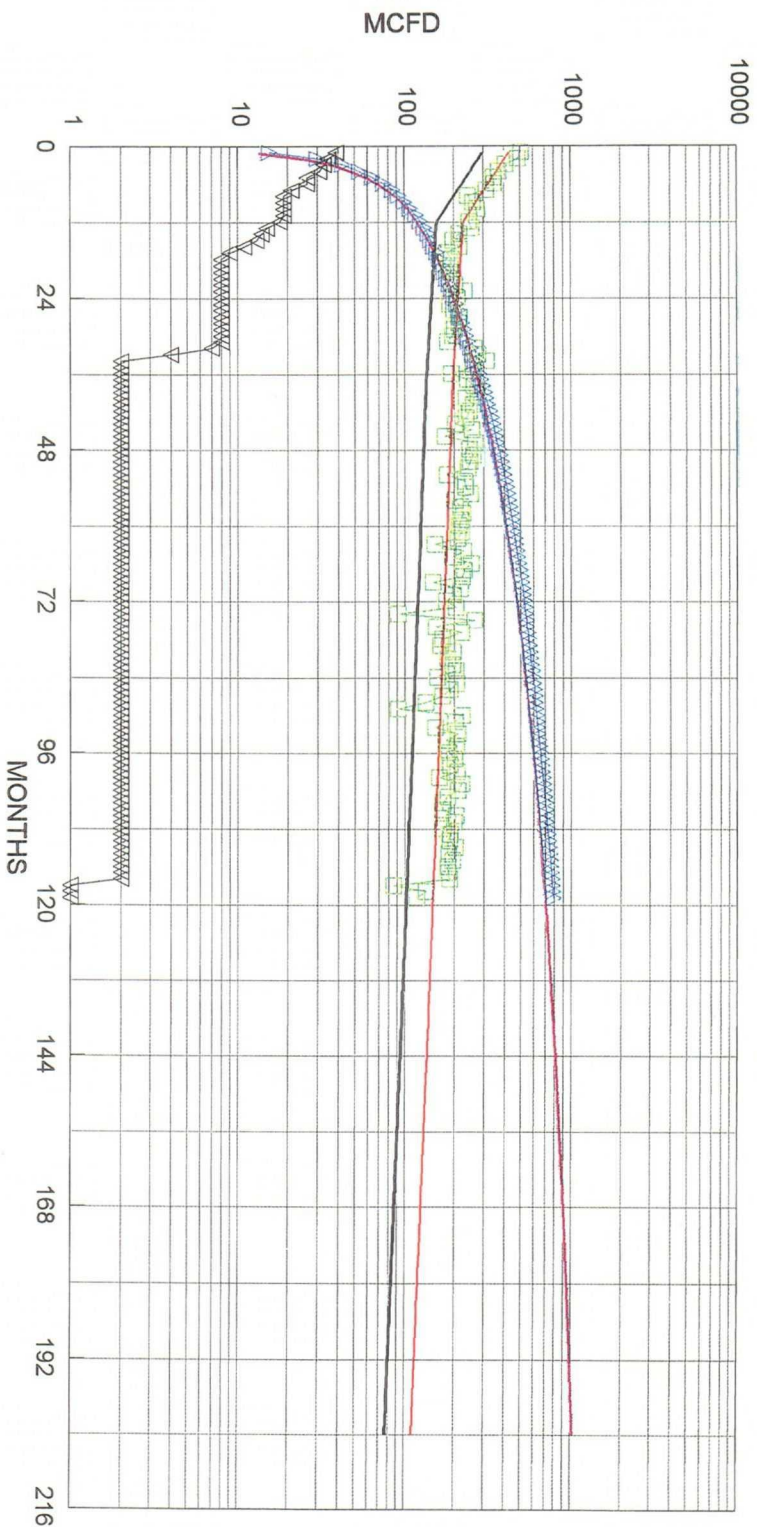
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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

				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Mike L. Mankin Printed Name Right-Of-Way Agent Title 4-7-99 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. FEBRUARY 23, 1999 Date of Survey Signature and Seal of Professional Surveyor Certificate Number 6857				

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

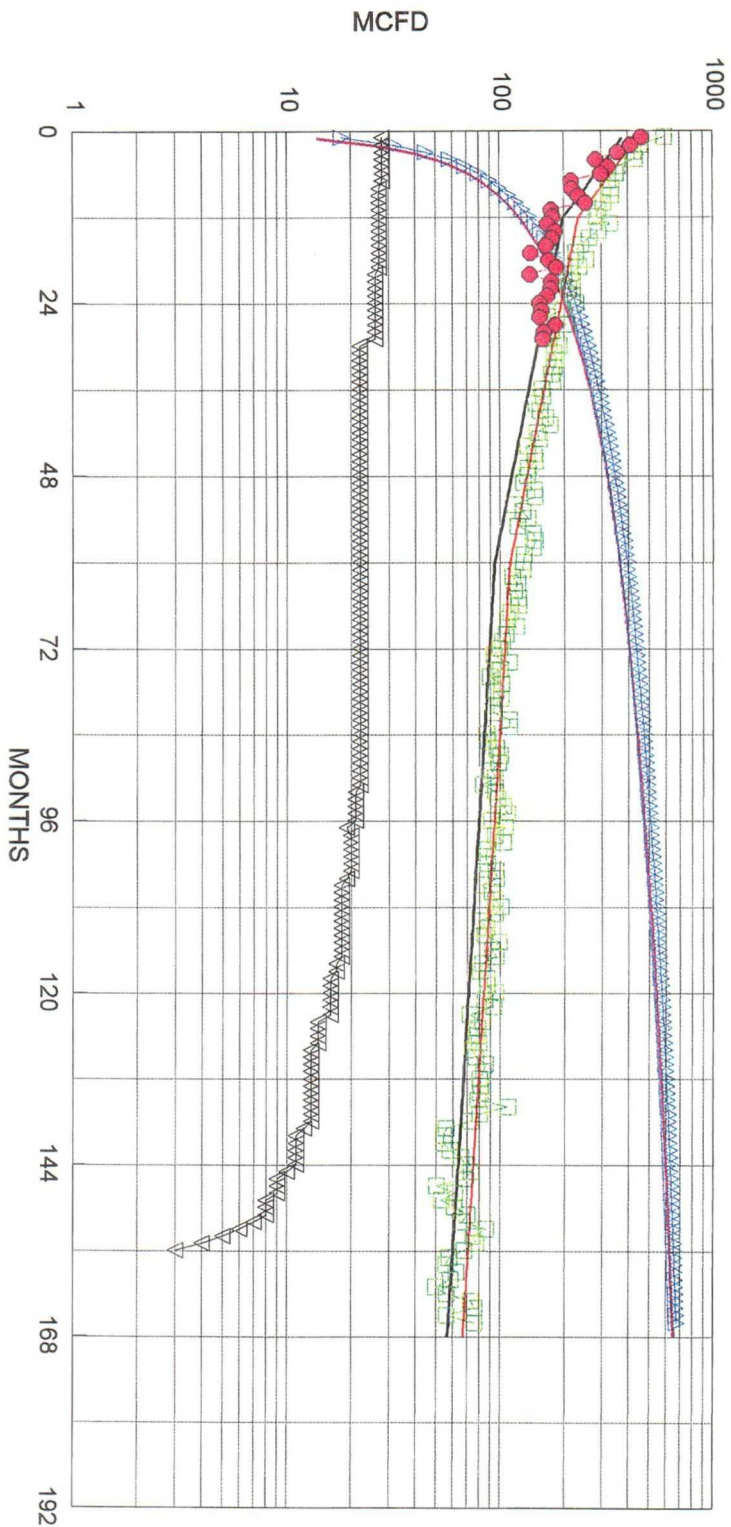
RISKED AVG:

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

NORMALIZED DAKOTA PRODUCTION
 PROD. SINCE 1980; 29 DK WELLS LOCATED IN W 2/3 OF 28N-7W AND 27N-7W



— FIT MCFD — NORMALIZED MCFD ▲ NORM CUM MMCF ▼ WELLS ON PRODUCTION
 — FIT CUM MMCF — RISKED MCFD ● 1990's Wells (13)

Expected Avg. Rate for Yr. 1 = 339 MCFD
 Expected Avg. Rate for Yr. 1 = 288 MCFD (for 1990's wells)

NORMALIZED AVG:

924 MMCF EUR
 779 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0079 bbl/mcf oil yield

986 MMCF IN 40 YRS

470 MCFD IP
 50% DECLINE, 1ST 12 MONTHS
 17% DECLINE, NEXT 48 MONTHS
 5.5% FINAL DECLINE

RISKED AVG:

15% RISK

761 MMCF EUR
 662 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0079 bbl/mcf oil yield

400 MCFD IP

50.0% DECLINE, 1ST 12 MONTHS
 17.0% DECLINE, NEXT 48 MONTHS
 5.5% FINAL DECLINE

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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		Pool Code		Pool Name	
		72319 / 71599		BLANCO MESAVERDE / BASIN DAKOTA	
Property Code		Property Name			Well Number
016608		SAN JUAN 28-7 UNIT			126M
OGAID No.		Operator Name			Elevation
005073		CONOCO, INC.			6137

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
F	1	27N	7W		2050	NORTH	2050	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

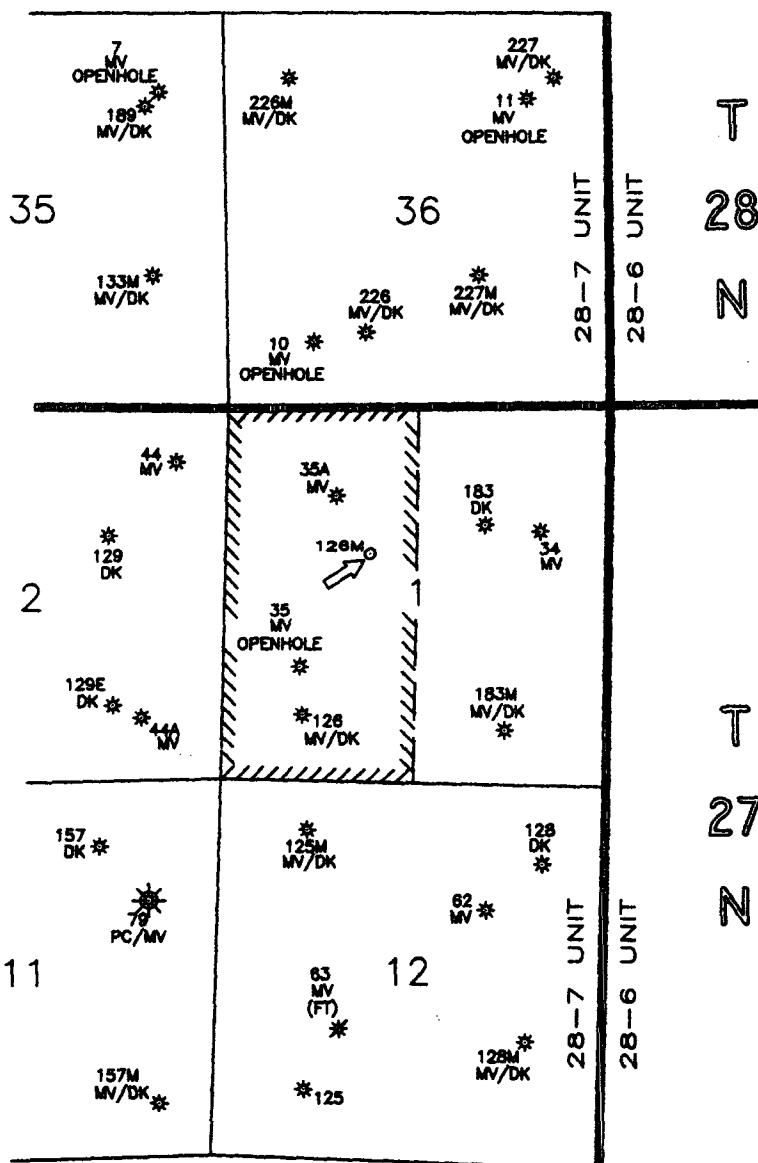
UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	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

<p>5293.20'</p> <p>2050'</p> <p>2050'</p> <p>1307.46'</p> <p>1306.80'</p> <p>1277.10'</p> <p>1263.90'</p> <p>2553.54'</p> <p>2613.60'</p> <p>5291.88'</p>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <u>Mike L. Mankin</u>	
	Printed Name <u>Mike L. Mankin</u>	
Title <u>Right-Of-Way Agent</u>		
Date <u>12-21-98</u>		
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 <u>OCTOBER 1, 1998</u>		
Signature and Seal of Professional Surveyor		
Certificate Number <u>6857</u>		

R 7 W



**SAN JUAN 28-7 UNIT
RIO ARriba CO., NM**

NOTES

Conoco operates all wells in the 28-7 Unit, NSL is interior to the 28-7 Unit. Map shows only Mesaverde and Dakota wells. NSL is requested in order to accommodate both a primary 160 acre Dakota infill and a '100 acre' Mesaverde infill (Pursuant to an order to be issued out of case 12069).

DATE: 1/7/99

DRAWN BY: GLG

CHECKED BY:

APPROVED BY:

SCALE: 1" = 2640'

STATE PLANE COORDINATES REFERRED TO
NAD27 - N.M. WEST
STATE PLANE COORDINATES
ZONE - 3003



EPNGNA
MIDLAND DIVISION

CONOCO 28-7 UNIT
MESAVERDE & DAKOTA PRODUCERS
San Juan 28-7 Unit # 126M
Non-Standard Location

STATE API COUNTY WELL
30 \ 039 \

DRAWING
28-7_126

CONOCO INC. OFFICE
10 DESTA DRIVE WEST
MIDLAND, TEXAS 79705

Conoco, Inc. is the only offset operator.