

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM03560

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM78413C

8. Well Name and No.
SAN JUAN 28-7 UNIT 101F

9. API Well No.
30-039-26896-00-C1

10. Field and Pool, or Exploratory
BLANCO MV / BASIN DAKOTA
OTERO CHACRA

11. County or Parish, and State
RIO ARriba COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONOCO INC

Contact: DEBORAH MARBERRY
E-Mail: deborah.marberry@conocophillips.com

3a. Address
PO BOX 2197, DU 3084
HOUSTON, TX 77252-2197

3b. Phone No. (include area code).
Ph: 832.486.2326
Fx: 832.486.2688

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 30 T27N R7W NESW 1388FSL 2280FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Drilling Operations

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco requests after the fact permission to downhole trimingle this well in the Basin Dakota, Blanco Mesaverde, and Otero Chacra zones. Attached is the proposed procedure, downhole trimingle approval from the OCD and normalized production graphs for each pool.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #18034 verified by the BLM Well Information System
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 01/28/2003 (03AXG0646SE)

Name (Printed/Typed) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 01/27/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

ADRIENNE GARCIA
Title PETROLEUM ENGINEER

Date 01/28/2003

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

NMOCD

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well

☒ Established Pre-Approved Pools

EXISTING WELLBORE

Yes ☒ No

APPLICATION FOR DOWNHOLE COMMINGLING

CONOCO, INC.

P.O. BOX 2197 DU 3084HOUSTONTX77252

Operator

Address

San Juan 28-7 Unit

101F

K Sec30 T27NR7W

Rio Arriba

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 005073

Property Code 016608

API No. 30-039-26896

Lease Type ☒ Federal

State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	OTERO CHACRA	BLANCO MESAVERDE	BASIN DAKOTA
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3800 - 4100	4560 - 5520	7224 - 7474
Method of Production (Flowing of Artificial Lift)	EXPECTED TO FLOW	EXPECTED TO FLOW	EXPECTED TO FLOW
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	540 psi	560 psi	880 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-in or New Zone	NEW ZONE	NEW ZONE	NEW ZONE
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.)	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % Test %	Oil Gas % Test %	Oil Gas % Test %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones?
If not, have all working royalty and overriding royalty interest owners been notified by certified mail?

Yes ☐ No ☒
Yes ☐ No ☒

Are all produced fluids from all commingling zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: R 10476B R 11363

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, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

Pre-Approved Pools

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Deborah Marberry TITLE REGULATORY ANALYST DATE 03/14/2002

TYPE OR PRINT NAME DEBORAH MARBERRY TELEPHONE NO. (281)293-1005

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-26896		2 Pool Code 82329		3 Pool Name OTERO CHACRA	
4 Property Code 016608		5 Property Name SAN JUAN 28-7 UNIT			6 Well Number 101 F
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation 6661

10 Surface Location

UL or lot no. K	Section 30	Township 27n	Range 7w	Lot Idn	Feet from the 1365	North/South line south	Feet from the 2260	East/West line west	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	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				<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> <p><i>Deborah Marberry</i> Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 03/27/2002 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> <p>Date of Survey Signature and Seal of Professional Surveyor: Certificate Number</p>

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-26896		2 Pool Code 72319		3 Pool Name BLANCO MESAVERDE	
4 Property Code 016608		5 Property Name SAN JUAN 28-7 UNIT			6 Well Number 101 F
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation 6661

10 Surface Location

UL or lot no. K	Section 30	Township 27n	Range 7w	Lot Idn	Feet from the 1365	North/South line south	Feet from the 2260	East/West line west	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
12 Dedicated Acres 320	13 Joint or Infill I	14 Consolidation Code U		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

<div>16</div>				<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Deborah Marberry</i></p> <div>Signature</div> <div>DEBORAH MARBERRY</div> <div>Printed Name</div> <div>REGULATORY ANALYST</div> <div>Title</div> <div>03/27/2002</div> <div>Date</div>	
				<div>18 SURVEYOR CERTIFICATION</div> <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>	
				<div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:</div>	
				<div>Certificate Number</div>	

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OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-26896		2 Pool Code 71599		3 Pool Name BASIN DAKOTA		
4 Property Code 016608		5 Property Name SAN JUAN 28-7 UNIT			6 Well Number 101 F	
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation 6661	

10 Surface Location

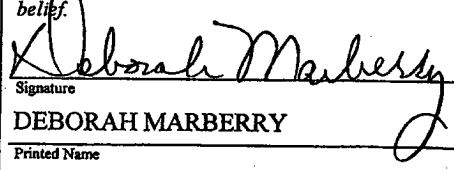
UL or lot no. K	Section 30	Township 27n	Range 7w	Lot Idn	Feet from the 1365	North/South line south	Feet from the 2260	East/West line west	County Rio Arriba
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11 Bottom Hole Location If Different From Surface

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 320	13 Joint or Infill I	14 Consolidation Code U	15 Order No.
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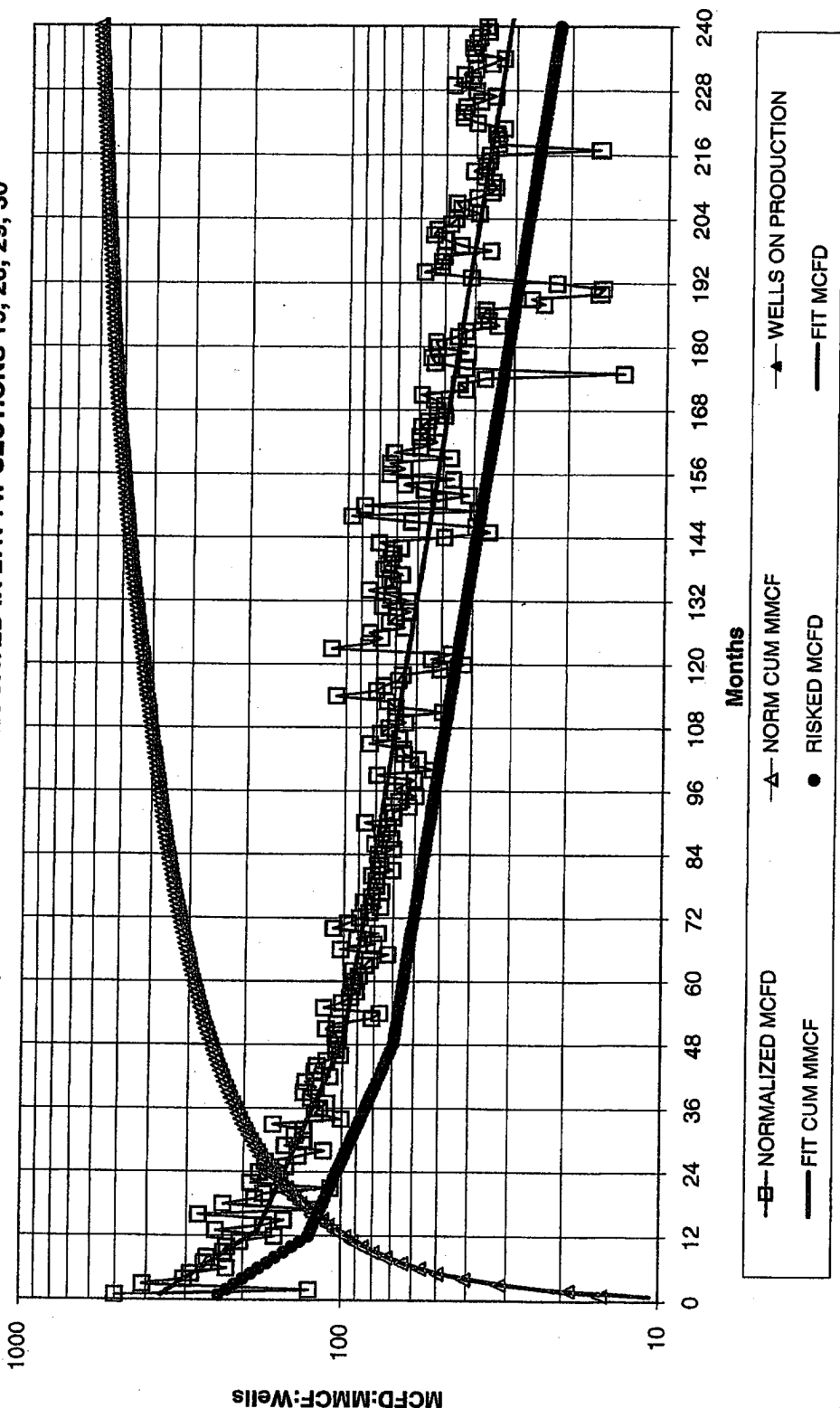
16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 03/27/2002 Date 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown 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. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

2260'

1365'

NORMALIZED CHACRA PRODUCTION

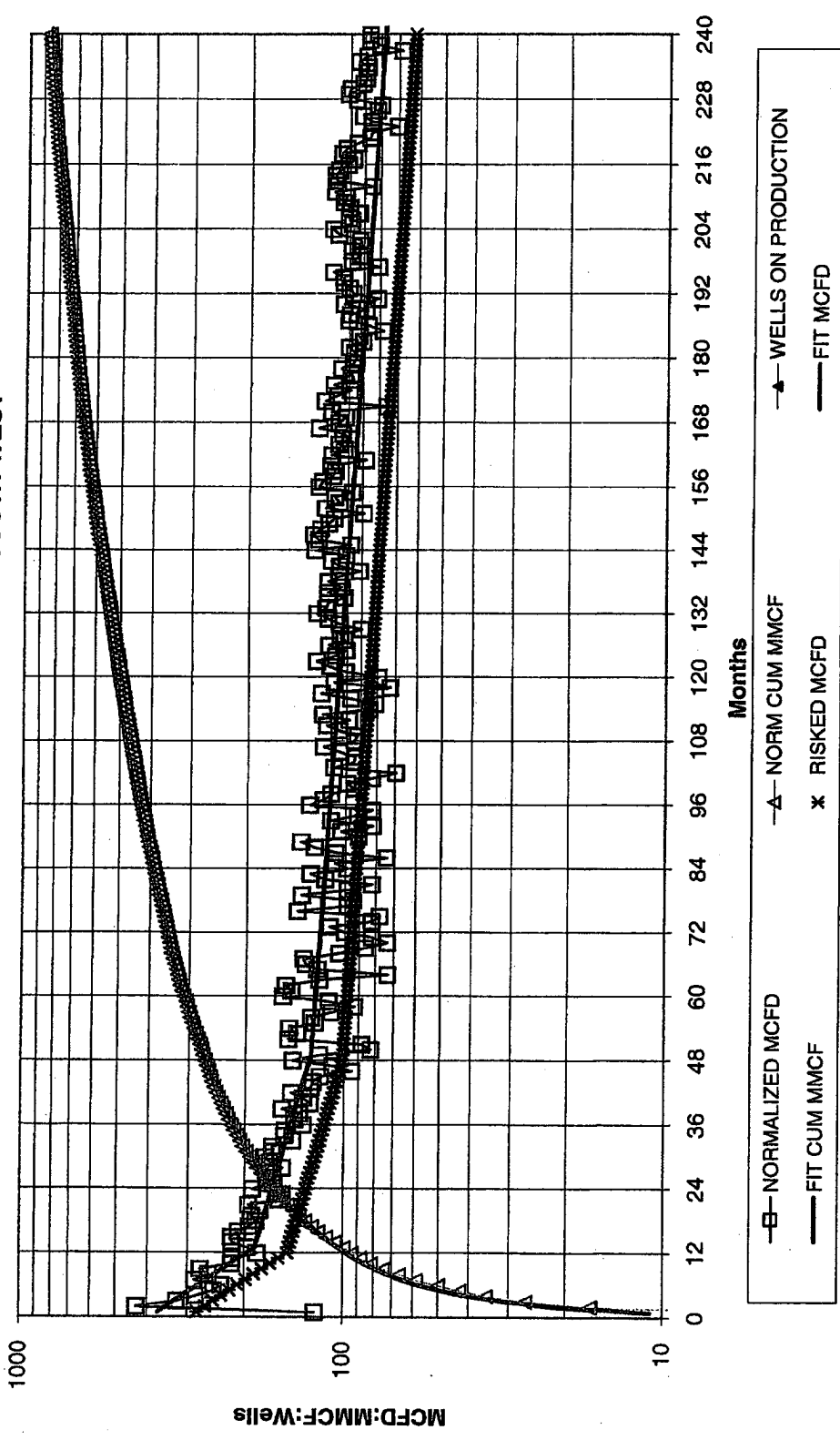
PROD. SINCE 1980; 5 CHACRA WELLS LOCATED IN 27N-7W SECTIONS 19, 20, 29, 30



<p>NORMALIZED AVG:</p> <p>692 MMCF EUR</p> <p>587 MMCF IN 20 YRS</p> <p>706 MMCF IN 40 YRS</p> <p>10 MCFD E.L.</p> <p>0.000012 bbl/mcf oil yield</p>	<p>360 MCFD IP</p> <p>50.0% DECLINE, 1ST 12 MONTHS</p> <p>18.0% DECLINE, NEXT 48 MONTHS</p> <p>7.0% FINAL DECLINE</p>	<p>RISKED AVG:</p> <p>469 MMCF EUR</p> <p>494 MMCF IN 40 YRS</p> <p>10 MCFD E.L.</p> <p>0.000012 bbl/mcf oil yield</p> <p>30% RISK</p> <p>252 MCFD IP</p> <p>50.0% DECLINE, 1ST 12 MONTHS</p> <p>18.0% DECLINE, NEXT 48 MONTHS</p> <p>7.0% FINAL DECLINE</p>
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28-7 Unit wells number 176, 177, 240, 268, 269

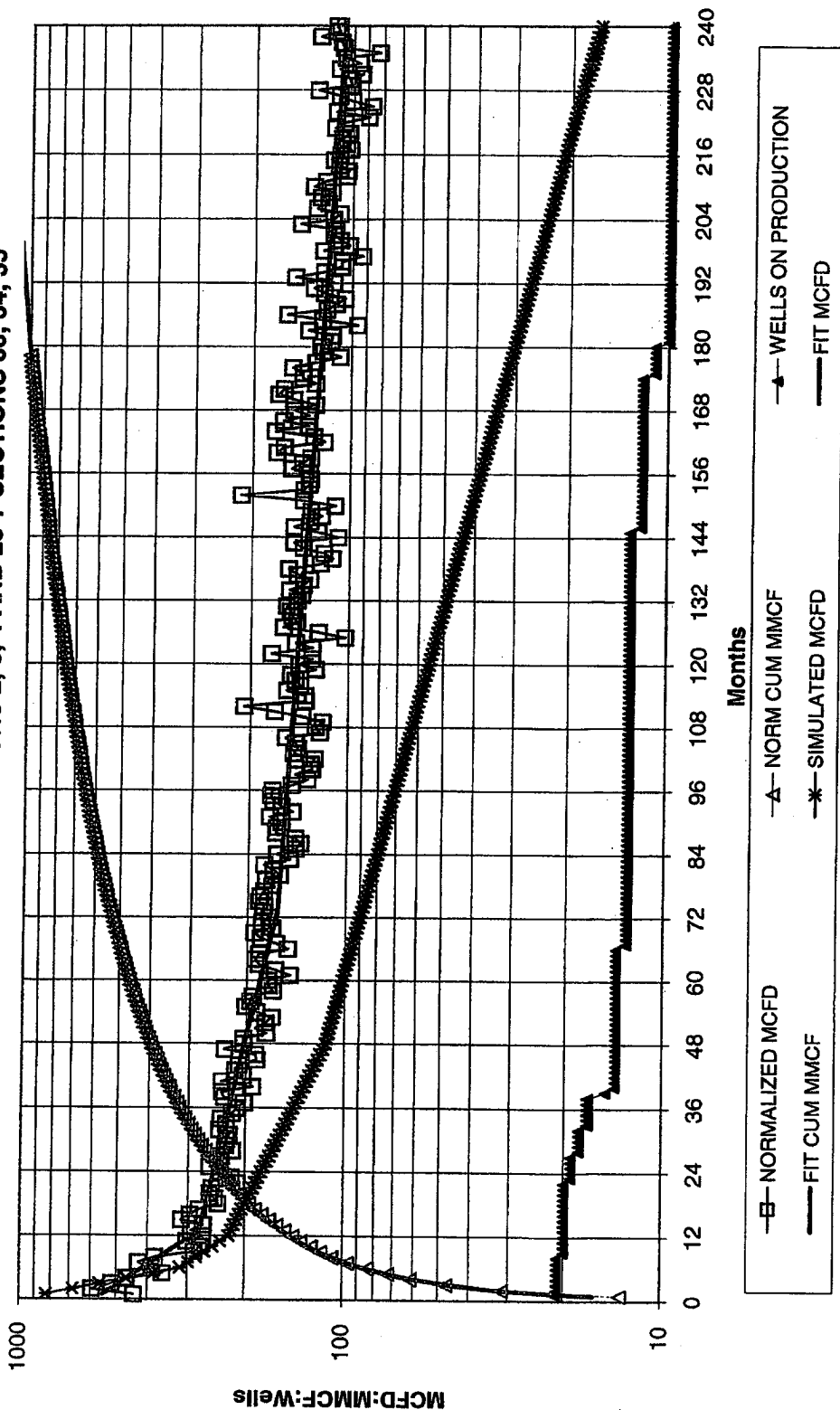
NORMALIZED MESAVERDE PRODUCTION 80 ACRE MESAVERDE WELLS IN 28-7 SOUTH-WEST



<p>NORMALIZED AVG:</p> <p>1597 MMCF EUR 851 MMCF IN 20 YRS 1272 MMCF IN 40 YRS 15 MCFD E.L. 0.0043 bbl/mcf oil yield</p>	<p>370 MCFD IP 50.0% DECLINE, 1ST 12 MONTHS 12.0% DECLINE, NEXT 36 MONTHS 3.0% FINAL DECLINE</p>	<p>RISKED AVG:</p> <p>1241 MMCF EUR 1017 MMCF IN 40 YRS 15 MCFD E.L. 0.0043 bbl/mcf oil yield</p>	<p>20% RISK</p> <p>296 MCFD IP 50.0% DECLINE, 1ST 12 MONTHS 12.0% DECLINE, NEXT 36 MONTHS 3.0% FINAL DECLINE</p>
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28-7 wells 6, 10, 48, 134, 195M, 225M, 226
60% EUR: 763 MMCF 60% IP: 222 MCF/D 40 years production.

NORMALIZED DAKOTA PRODUCTION AND SIMULATION RATE FOR 80 ACRE WELLS WELLS LOCATED IN 27-7 SECTIONS 2, 3, 4 AND 28-7 SECTIONS 33, 34, 35



<p>NORMALIZED AVG:</p> <p>2301 MMCF EUR</p> <p>1214 MMCF IN 20 YRS</p> <p>1790 MMCF IN 40 YRS</p> <p>15 MCFD E.L.</p> <p>0.0080 bbl/mcf oil yield</p>	<p>550 MCFD IP</p> <p>50.0% DECLINE, 1ST 12 MONTHS</p> <p>10.0% DECLINE, NEXT 60 MONTHS</p> <p>3.0% FINAL DECLINE</p>	<p>80 ACRE SIMULATION EQUIVALENT</p> <p>636 MMCF EUR</p> <p>676 MMCF IN 40 YRS</p> <p>15 MCFD E.L.</p> <p>0.0060 bbl/mcf oil yield</p>	<p>1000 MCFD IP</p> <p>90.0% DECLINE, FIRST 6 MONTHS</p> <p>50.0% DECLINE, NEXT 6 MONTHS</p> <p>20.0% DECLINE, NEXT 35 MONTHS</p> <p>11.4% FINAL DECLINE</p>
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27-7 wells 129, 129E, 130, 130E, 181, 181M, 182, 182M, 214, 214M, 28-7 wells 131, 131M, 133, 133M, 189, 189E, 191E, 191M, 225, 225E, 225M.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director

Oil Conservation Division

ADMINISTRATIVE ORDER DHC-2999

Conoco, Inc.
PO Box 2197
Houston, Texas 77252

Attention: Ms. Deborah Marberry

*San Juan 28-7 Unit No. 101F
API No. 30-039-26896
Unit K, Section 30, Township 27 North, Range 7 West, NMPM,
Rio Arriba County, New Mexico.
Otero-Chacra (Gas - 82329),
Basin-Dakota (Gas - 71599),
Blanco-Mesaverde (Gas - 72319) Pools*

Dear Ms. Marberry:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's Gas Proration Schedule.

The applicant shall consult with the supervisor of the Aztec District Office of the Division upon completion and testing of the well in order to determine a fixed allocation of production from each of the commingled zones. Upon approval by the Division's Aztec District Office, the applicant shall submit the allocation formula to the Santa Fe Office of the Division.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of commingling operations.

Administrative Order DHC-2999

Conoco Inc.

April 12, 2002

Page 2

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 12th day of April 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in cursive script, reading "Lori Wrotenbery (wvst)".

LORI WROTENBERY
Director

SEAL

LW/WVJ

cc: Oil Conservation Division – Aztec
Bureau of Land Management – Farmington

SAN JUAN 28-7 UNIT #101F
Recomplete to Chacra and DHC with Mesa Verde/DK
April 15, 2002

API# 30-039-26896

Location: NMPM -

Procedure

- 1) Move in workover rig, hold safety meeting, note prevailing wind direction at location, designate muster point, review procedure, identify potential hazards, isolate lines and facilities, blow down lines, lock out tag out, spot equipment, rig up, WORK SAFELY!
- 2) Kill tubing with minimum amount of KCl, tag for fill and POOH 2.375" OD tubing Standing back.
- 3) Rig up wireline and RIH with CIBP and set 100' below proposed Chacra interval, POOH wireline.
- 4) RIH wireline perforating gun, perforate, and frac as per Lucas Bazan's procedure.
- 5) Flow back and clean up, obtain 4 hour C-104 stabilized test, and report to Christine Valvatne and Yolanda Perez..
- 6) RIH and drill out BP over MV . Clean out to PBTD , unload hole and POOH stripping out, lay down drill collars and bit.
- 7) RIH production tubing and land at mid Mesa Verde perforation depth plus or minus a joint, with SN and mule shoe on bottom. Notify operator of trimingle status and to resume plunger lift production.

San Juan East Team (drw)

Cc: Central Records, and 3 Copies to Farmington Project Leads.