

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -

1942

**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]

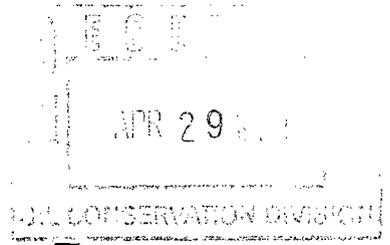
[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [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                      Kay Maddox                      Regulatory Agent                      4/24/98  
 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

Form C-107-A  
 New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco  
 Santa Fe, New Mexico 87505-6429

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 Jicarilla E Well No # 12M Unit Ltr Sec Twp Rge Section 22, T-26-N, R-4-W, O County Rio Arriba

OGRID NO. 005073 Property Code 18022 API NO. \_\_\_\_\_ 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)	5590-6059'		7634-7868'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		To Flow
5. Bottomhole Pressure	a (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	640		1081
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1316		2463
6. Oil Gravity (°API) or Gas BT Content	1280		1332
7. Producing or Shut-In?	To be Completed		To be Completed
Production Marginal? (yes or no)	Yes (expected)		Yes (expected)
• If Shut-In give date and oil/gas/water rates of last production  <small>Note For new zones with no production history applicant shall be required to attach production estimates and supporting data</small>  • If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Anticipated 1st Yr average 183 MCFD, 1.4 BOPD	Date Rates	Anticipated 1st Yr Average 288 MCFD, 4.5 BOPD
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). \_\_\_\_\_
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 4/24/98

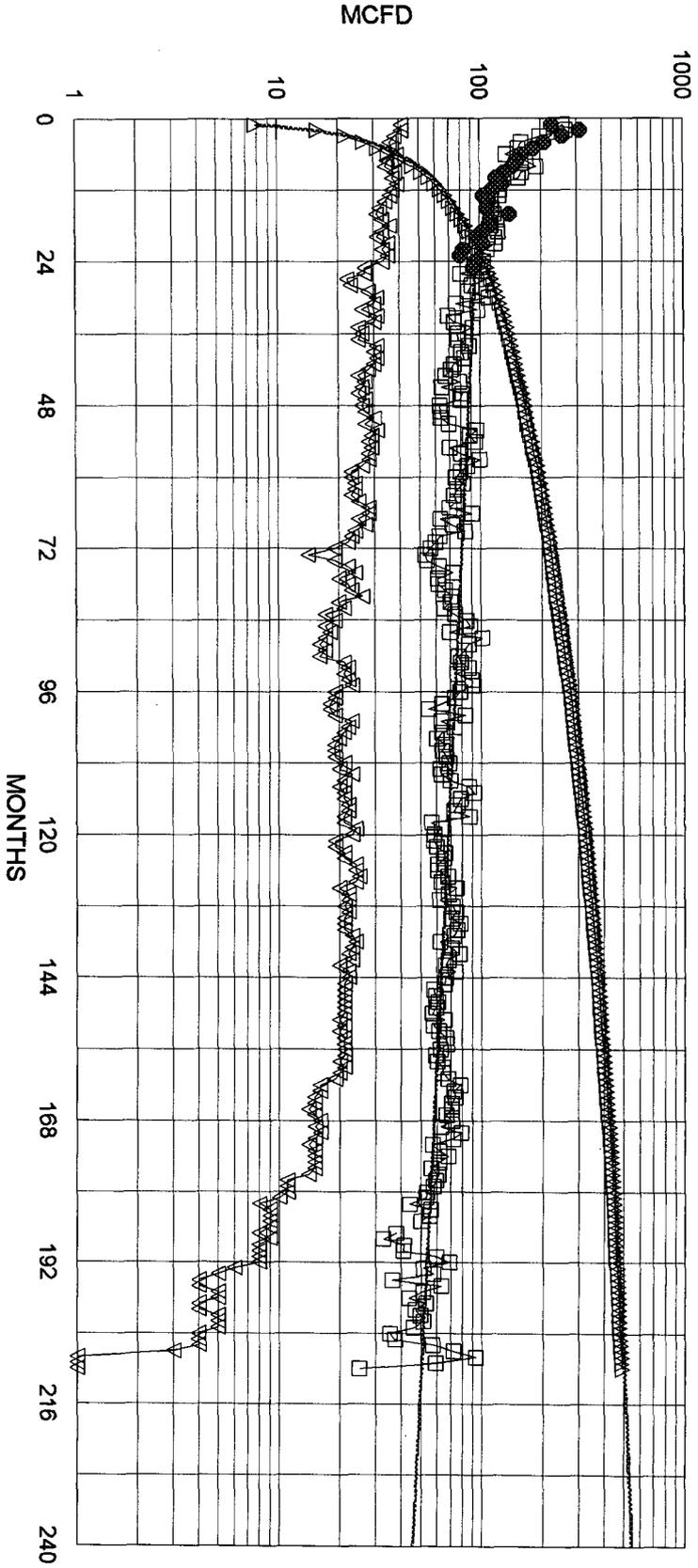
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**APPLICATION FOR DOWNHOLE COMMINGLING**

Jicarilla E 12M, Unit Letter O, Section 22-T26N-R4W  
Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla B 12M, estimated ultimate recoveries and initial production rates from infill wells to the Dakota and Mesaverde formations are clearly marginal in this area. Mesaverde estimated recoveries in particular do not justify drilling stand alone wells (549 MMCF recovery in 20 years, 777 MMCF ultimate recovery). Futhermore, production plots from each zone indicate a similar decline profile and a fixed allocation formula can be utilized. Upon completion, both zones will be tested and stabilized flow rates will be used to allocate production from each zone. This procedure is common practice in Conoco's 28-7 Unit and reference is made to Order R-10476-B as it applies to downhole commingling of marginal zones and the allocation of production between such zones.

**NORMALIZED MESAVERDE PRODUCTION  
41 WELLS SINCE 1980; TOWNSHIP 26N RANGE 4W**



**NORMALIZED AVG & EXPECTED AVG. NEW COMPLETION RATES:**

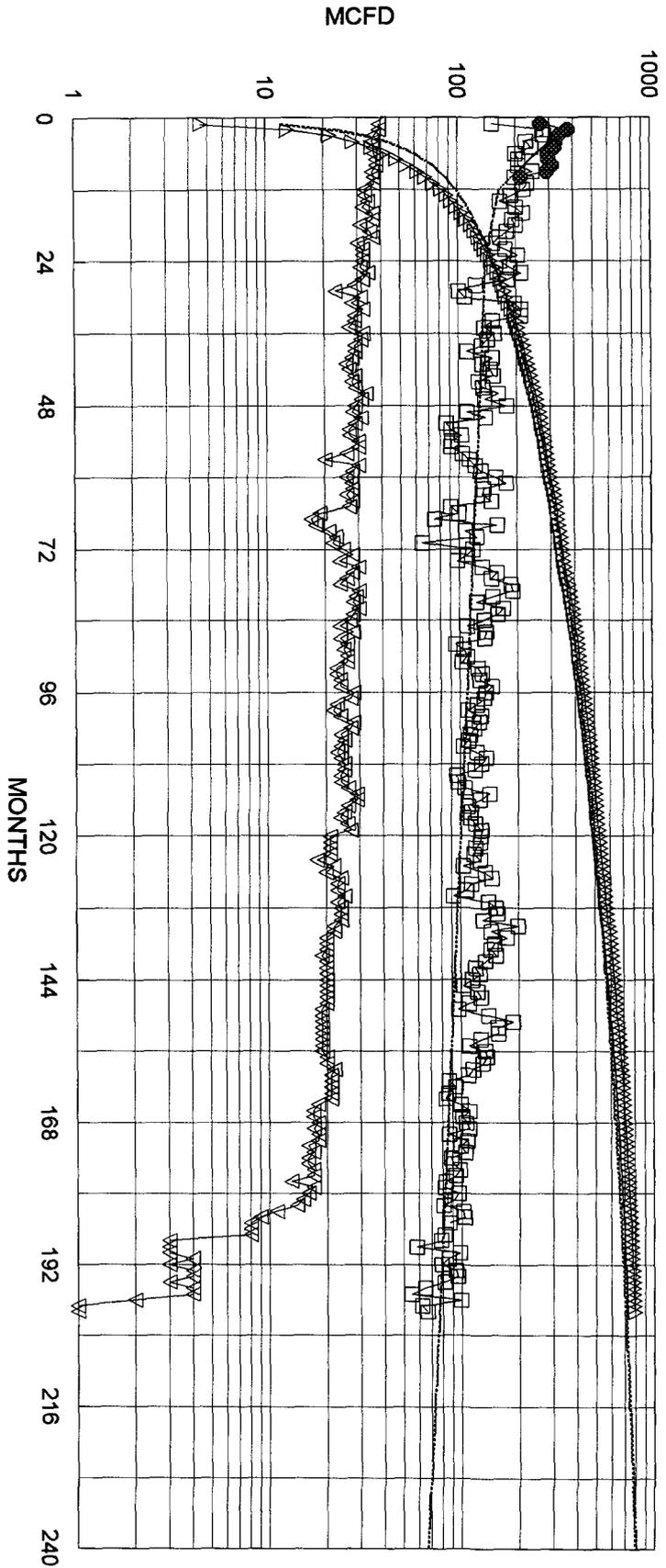
777 MMCF EUR  
549 MMCF IN 20 YR  
20 MCFD E.L.  
0.0077 bbl/mcf oil yield

280 MCFD IP  
60% DECLINE, 1ST 12 MONTHS  
15% DECLINE, NEXT 12 MONTHS  
4.0% FINAL DECLINE

**RECENT WELLS IN 26N 04W (1993 AND NEWER)**

JICARILLA A	13	13E-26N-4W	JICARILLA E	10E	22B-26N-4W
JICARILLA E	7E	16B-26N-4W	JICARILLA A	10	23O-26N-4W
JICARILLA E	8M	15K-26-4W	JICARILLA B	9A	26D-26N-4W
JICARILLA E	9	16B-26N-4W			

**NORMALIZED DAKOTA PRODUCTION**  
 39 WELLS SINCE 1980; 26N-4W (MERT JICARILLA A,B,&E OFFSETS)



**NORMALIZED AVG AND EXPECTED NEW COMPLETION AVG:**

1221 MMCF EUR  
 804 MMCF IN 20 YRS  
 20 MCFD E.L.  
 0.0167 bbl/mcf oil yield

410 MCFD IP  
 60% DECLINE, 1ST 12 MONTHS  
 15% DECLINE, NEXT 12 MONTHS  
 4% FINAL DECLINE

**RECENT WELLS (1993 AND NEWER):**

JICARILLA E 7E      15K-26N-4W  
 JICARILLA E 8M      15B-26N-4W

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

AMENDED REPORT

District III  
3000 Rio Brazos Rd., Alameda, NM 88211-0719

District III  
3000 Rio Brazos Rd., Alameda, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

**WELL LOCATION AND ACREASE DEDICATION PLAT**

*API Number		*Pool Code	*Pool Name
		72319/71599	Blanco Mesaverde/Basin Dakota
*Property Code	*Property Name		*Well Number
18022	JICARILLA E		12M
*OGRIID No.	*Operator Name		*Elevation
005073	CONOCO, INC.		6797

<sup>10</sup> Surface Location

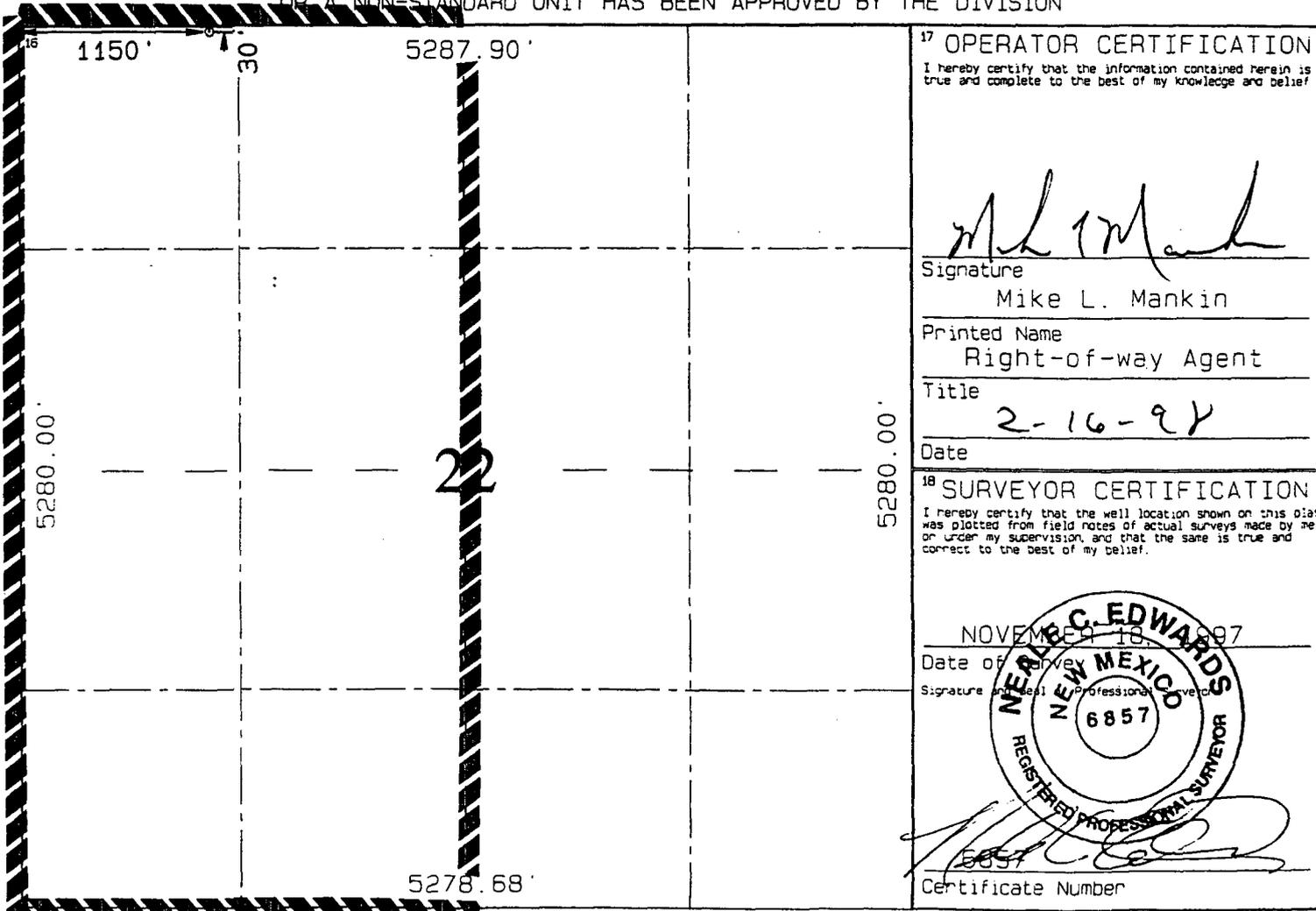
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
D	22	26N	4W		30	North	1150	West	RIO ARRIBA

<sup>11</sup> Bottom Hole Location If Different From Surface

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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
320			Non Standard Location has been applied for

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



<sup>17</sup> OPERATOR CERTIFICATION  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Mike L. Mankin*  
Signature  
Mike L. Mankin  
Printed Name  
Right-of-way Agent  
Title  
2-16-97  
Date

<sup>18</sup> 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.

NOVEMBER 18, 1997  
Date of Survey  
Signature of Surveyor  
NEAL C. EDWARDS  
NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
6857  
Certificate Number



Jicarilla E #12M  
Section 22, T-26-N, R-4-W, O  
Rio Arriba, New Mexico

RE: Downhole Commingle C107A Application

**Notification of Offset Operators:**

Chateau Oil & Gas Inc  
2515 McKinney Ave STE 840  
Dallas, TX 75201

Burlington Resources  
PO Box 4289  
Farmington, NM 87499

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

CONT 104

6. If Indian, Allonee or Tribe Name

Jicarilla

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla E #12 A

9. API Well No.

30-039-25844

10. Field Name (e.g., Blanco Mesa Verde (72319))

Basin Dakota (71599)

11. County or Parish, State

Rio Arriba, New Mexico

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

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

Section 22, T-26-N, R-4-W, D  
30' FNL & 1150' FWL

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Repon  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Name Change  
 Change of Plans  
 New Construction  
 Non-Routine Fracrunng  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Repon result of multiple completion w/dl Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state ail 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.)\*

This well was originally given the name Jicarilla E # 12 M. Since completion this well became an infill producer to the Mesaverde but not to the Dakota because the "parent" well did not ever produce out of the Dakota, consequently the proper suffix is an A.

Old Name: Jicarilla E # 12 M

New Name: Jicarilla E # 12 A

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

Signed [Signature] Title Regulatory Agent Date May 27, 1998

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval if any:

BLM(6), NMOC(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

## Jicarilla E #12A Sundry Notice

### Name Change

This well was originally given the name "Jicarilla E #12M" since it was to be drilled as a Mesaverde/Dakota infill well to an existing Mesaverde/Dakota penetration, the Jicarilla E #12 (stand-up, W/2 dedication). Note that APD, Downhole Commingle, and Non-standard Location paperwork were filed for with the OCD and BLM with the original name; and that NSL-3974 was issued under the original name.

Further investigation revealed that the 'parent' well penetrated, but did not produce from the Dakota, making the subject well an infill as to the Mesaverde but not the Dakota. Because the "M" suffix is reserved to denote an infill well in multiple pools, its use in the original well name was improper. Since the subject well will be an infill producer to the Mesaverde but not the Dakota, it should properly carry an "A" suffix. Therefore, the original "Jicarilla E #12M" should be changed to:

Jicarilla E #12A



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

March 17, 1998

Conoco, Inc.  
10 Desta Drive - Suite 100W  
Midland, Texas 79705-4500  
Attention: Kay Maddox

*Administrative Order NSL-3974*

Dear Ms. Maddox:

Reference is made to your application dated February 19, 1998, which was received by the Division in Santa Fe on February 23, 1998, for an unorthodox gas well location in both the Blanco-Mesaverde and Basin-Dakota Pools for the proposed Jicarilla "E" Well No. 12-M to be drilled 30 feet from the North line and 1150 feet from the West line (Unit D) of Section 22, Township 26 North, Range 4 West, NMPM, Rio Arriba County, New Mexico.

The existing standard 320-acre gas spacing and proration unit in the Blanco-Mesaverde Pool comprising the W/2 of said Section 22, which is presently dedicated to Conoco Inc.'s Jicarilla "E" Well No. 12 (API No. 30-039-21515), located at a standard gas well location 1850 feet from the South and West lines (Unit K) of said Section 22, and the W/2 of said Section 22 being a standard 320-acre gas spacing and proration unit for the Basin Dakota Pool, are to be dedicated to said well.

By the authority granted me under the provisions of Rule 2(d) of the "General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the Blanco-Mesaverde Pool/Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-8170, as amended, the above-described unorthodox gas well location for the Jicarilla "E" Well No. 12-M is hereby approved.

Sincerely,

  
Lori Wrotenberg  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington  
W. Thomas Kellahin, Counsel - Santa Fe  
Jimmy D. Carlile, Conoco, Inc. - Midland, Texas

DISTRICT I  
1000 Rio Brazos Rd. Aztec NM 87410 1693

DISTRICT II  
311 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**

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

Lease: Jicarilla E. Well No: # 12MA Section: 22, T-26-N, R-4-W, O County: Rio Arriba

OGRID NO: 005073 Property Code: 18022 API NO: \_\_\_\_\_

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)	5590-6059'		7634-7868'
3 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production (Flowing or Artificial Lift)	To Flow		To Flow
5 Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift Estimated Current	640		1081
Gas & Oil - Flowing Measured Current	b. (Original)	b.	b.
All Gas Zones Estimated Or Measured Original	1316		2463
6 Oil Gravity ( <sup>o</sup> API) or Gas BT Content	1280		1332
7 Producing or Shut-in?	To be Completed		To be Completed
Production Marginal? (yes or no)	Yes (expected)		Yes (expected)
• If Shut-in give date and oil/gas/water rates of last production <small>Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data.</small> • If Producing, date and oil/gas/water rates of recent test (within 30 days)	Date Rates	Date Rates	Date Rates
	Anticipated 1st Yr average 183 MCFD, 1.4 BOPD	Date Rates	Anticipated 1st Yr Average 288 MCFD, 4.5 BOPD
8 Fixed Percentage Allocation Formula - % for each zone			

- 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): \_\_\_\_\_
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 4/24/98

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
CMB NO. 1004-2136  
Expires February 23, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WELL: <input checked="" type="checkbox"/> OIL <input type="checkbox"/> WATER <input type="checkbox"/> OTHER <input type="checkbox"/>			2. FIELD DESIGNATION AND TRACT NO. <b>CONT 104</b>	
3. NAME OF OPERATOR <b>Conoco Inc. 5273</b>			3. INDIAN, ALIEN, OR TRIBE NAME <b>JICARILLA</b>	
4. ADDRESS AND TELEPHONE NO. <b>10 Desta Dr Ste 430E, Midland, Tx. 79705-4500 915-636-5794</b>			4. FORM OR LEASE NAME (WELL NO.) <b>18/21 JICARILLA E-12 AR</b>	
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface: <b>30' FNL &amp; 1150' FWL</b> At proposed prod. zone: <b>30' FNL &amp; 1150' FWL</b>			5. API WELL NO. <b>30-039-25844</b>	
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE			6. FIELD AND POOL OR WILDCAT <b>72319 71539 Blanco MV/Basin Dakota</b>	
7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)			7. SEC. T. R. M. OR BLK. AND SURVEYOR AREA <b>D Sec. 22, T26N R4W</b>	
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			8. COUNTY OR PARISH   9. STATE <b>Rio Arriba   NM</b>	
9. ELEVATIONS (Show whether OF, RT, GR, etc.) <b>6797' GR</b>			10. NO. OF ACRES IN LEASE   11. NO. OF ACRES ASSIGNED TO THIS WELL <b>ND/320 W/320</b>	
10. PROPOSED CASING AND CEMENTING PROGRAM			12. ROTARY OR CABLE TOOLS <b>Rotary</b>	
11. APPROX. DATE WORK WILL START <b>4/15/98</b>				

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	K-55, 8-5/8"	24#	300'	130 sxs, circ.
7-7/8"	K-55, 5-1/2"	15.5#	7868'	1150 sxs, circ.

It is proposed to drill vertical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools following the acquisition of sufficient production test data for allocation purposes. A downhole commingling application will be filed with the BLM and NMOCD prior to commingling. A NOS was filed 10/31/97. This well will drilled and equipped according to the following attachments:

1. Well Location & Acreage Dedication Plat (C-102) and other associated plans.
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility Layout.
6. Pipeline survey plat.

**RECEIVED**  
APR 28 1998  
**OIL CON. DIV.**  
DIST. 3

98 MAR 10 AM 7:57  
D. ALBUQUERQUE, N.M.  
RECEIVED  
BLM

This application includes ROW's for the wellpad and access road.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

APPROVED BY: *Mike L. Mankin* TITLE: Right-of-Way Agent DATE: March 4, 1998

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval 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. Person

CONDITIONS OF APPROVAL, IF ANY

APPROVED BY: (Original Signed) HECTOR A. VILLALOBOS TITLE: Dist. Field Manager DATE: APR 23 1998

**HOLD C-104 FOR INSTRUCTIONS ON REVERSE SIDE**

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.