

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1960

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

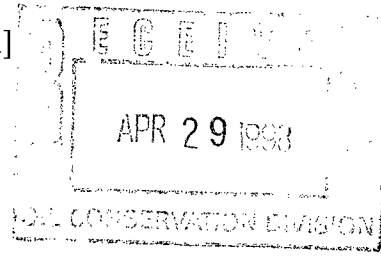
Check One Only for [B] and [C]

[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  
Print or Type Name

Signature

Kay Maddox

Title

Regulatory Agent

Date

4/24/98

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

DISTRICT II  
811 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 B Well No 16 Unit Ltr Sec Twp Rge Section 25, T-26-N, R-4-W, 1 County Rio Arriba

OGRID NO. 005073 Property Code \_\_\_\_\_ 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)	5946-6418'		8013-8231'
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	645		1090
Gas & Oil - Flowing: Measured Current	b (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1326		2483
6. Oil Gravity (°API) or Gas BT Content	1281		1308
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  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)	Date Rates	Date Rates	Date Rates
	Anticipated 1st Yr average 183 MCFD, 1.4 BOPD	Anticipated 1st Yr average 268 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? X 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? X Yes      No

11. Will cross-flow occur? X 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. X Yes      No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others X Yes      No

13. Will the value of production be decreased by commingling?      Yes X 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. X 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

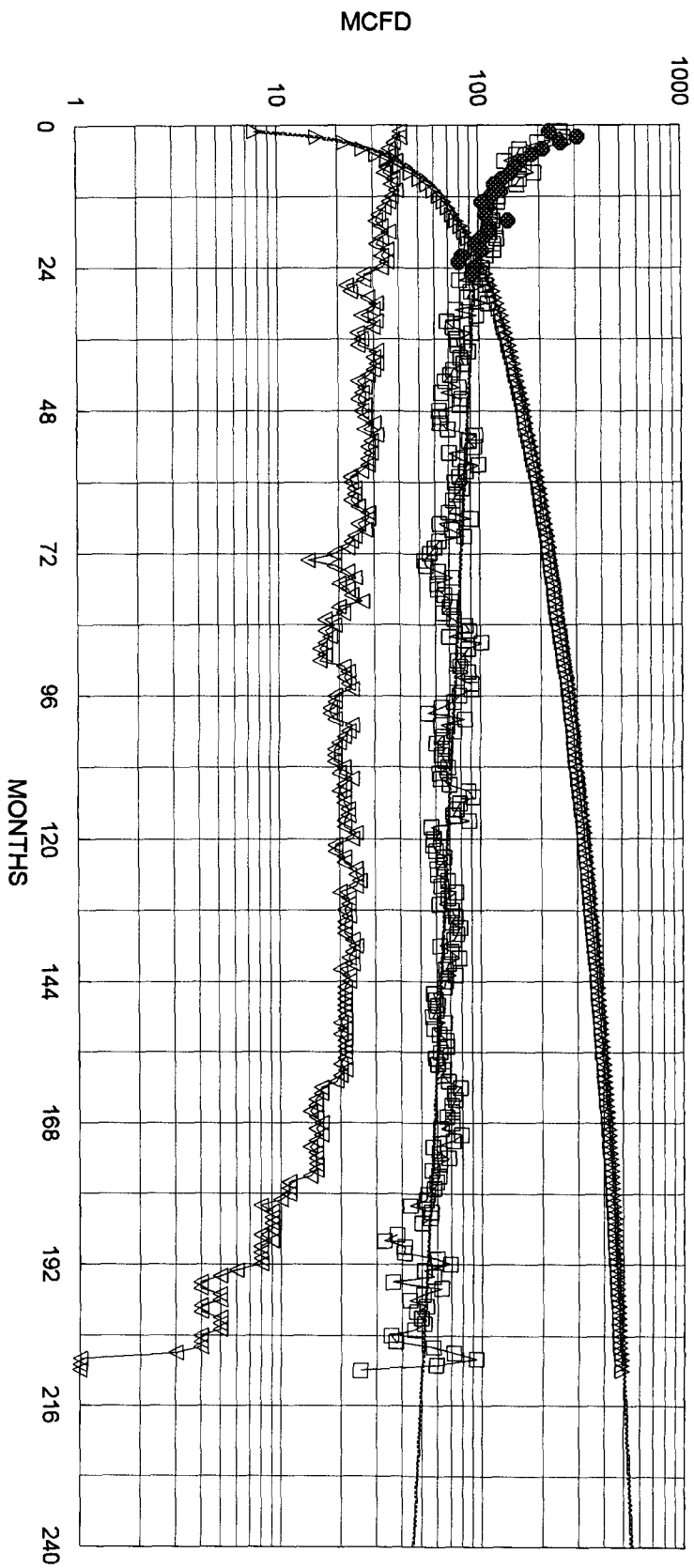
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**APPLICATION FOR DOWNHOLE COMMINGLING**

Jicarilla B 16, Unit Letter I, Section 25-T26N-R4W  
Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla B 16, 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). Furthermore, 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**



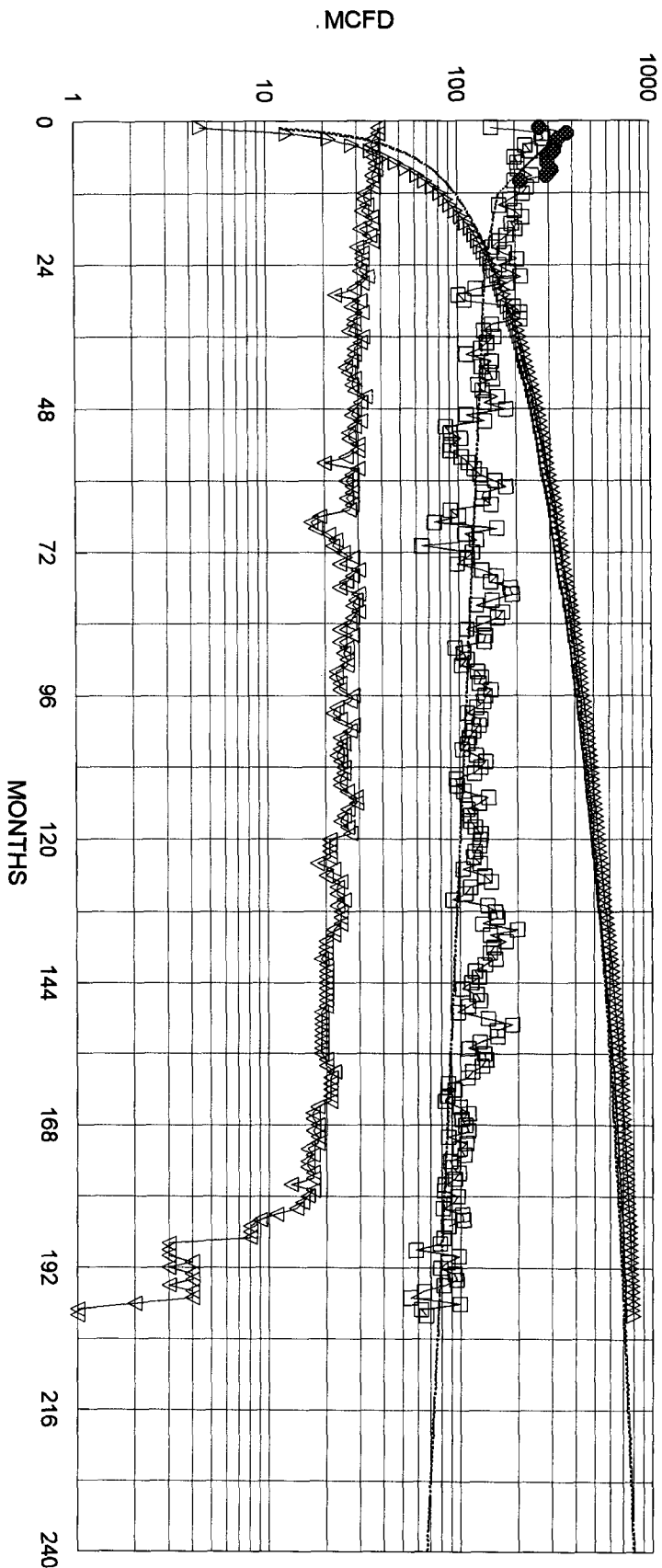
**NORMALIZED AVG. & EXPECTED NEW COMPLETION RATES:**

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	15B-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 (MERIT JICARILLA A,B,&E OFFSETS)



— FIT MCFD      □ NORMALIZED MCFD      △ NORM CUM MMCF  
▽ WELLS ON PRODUCTION      - - - FIT CUM MMCF      ● JICARILLA E 7E & 8M

**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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires February 28, 1995

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1. TYPE OF WORK a. TYPE OF WELL DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO CONT 106	
2. NAME OF OPERATOR Conoco Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME JICARILLA	
3. ADDRESS AND TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 915-686-5794		7. UNIT AGREEMENT NAME JICARILLA B #16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1540' FSL & 1185' FEL At proposed prod. zone 1540' FSL & 1185' FEL		8. FARM OR LEASE NAME WELL NO JICARILLA B #16	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		9. API WELL NO	
5. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if Any)		10. FIELD AND POOL, OR WILDCAT Blanco MV/Basin Dakota	
8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		11. SEC. T., R., M. OR BLK. AND SURVEY OR AREA Sec. 25, T26N, R4W	
16. NO OF ACRES IN LEASE		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM	
19. PROPOSED DEPTH 8531'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7186' GR		22. APPROX. DATE WORK WILL START* 4/15/98	

**PROPOSED CASING AND CEMENTING PROGRAM**

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#	8231'	1195 sxs, circ.

It is proposed to drill verical 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 NMOC D 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 plats.
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility Layout.
6. Pipeline survey plat.

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.

24. SIGNED 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 thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**\*See 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.

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

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

☐ AMENDED REPORT

District II  
1000 Rio Brazos Rd., Aztec, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code	*Pool Name
		72319/71599	Blanco Mesaverde/Basin Dakota
*Property Code	*Property Name		*Well Number
	JICARILLA B		16
*GRID No.	*Operator Name		*Elevation
005073	CONOCO, INC.		7186'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	26N	4W		1540	South	1185	East	RIO ARriba

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
320			

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

15	5278.68'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <i>Mike L. Mankin</i> Signature Mike L. Mankin Printed Name Right-Of-Way Agent Title 3-3-98 Date
	5280.00'	
	25	
	5266.80'	
	1185'	NOVEMBER 18, 1997 Date of Survey Signature and Seal of Professional Surveyor <i>Neale C. Edwards</i> NEALE C. EDWARDS NEW MEXICO 6857 6857 Certification Number

Jicarilla B #16  
Section 25, T-26-N, R-4-W, I  
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  
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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
CONOCO, INC.

3a. Address  
P.O. BOX 2197HOUSTONTX77252

3b. Phone No. (include area code)  
(281)293-1005

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NESE, SEC.25 T26N R4W  
1540' FSL & 1185' FEL

5. Lease Serial No.

CONT 106

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

JICARILLA B #2A

9. API Well No.

30-039-25845

10. Field and Pool, or Exploratory Area

BLANCO MV / TAPACITO PICTURE

11. County or Parish, State

RIO ARRIBA

NM

**12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>dhc</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	


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 recompleat horizontally, give subsurface locations 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 recompleat 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 proposed to downhole commingle in the Tapacito Pictured Cliffs and Blanco Mesaverde as per the attached.

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

Name (Printed/Typed)  
DEBORAH MARBERRY

Title  
REGULATORY ANALYST

Signature  


Date  
04/26/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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

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.

(Instructions on reverse)

Pictured Cliffs Recompletion

Jicarilla B-2A

API 30-039-25845

26N-4W-25-I

Lat: 36°27'17.96" Long: 108°48'10.15

Objective: Fracture stimulate the Pictured Cliffs formation, clean out to PBTD, and DHC Mesa Verde and Pictured Cliffs formations. Resume plunger lift operations.

Well Information: Spud Date: 8/15/00 TD: 8245' PBTD: 6155'

Casing: 10 3/4"; 40.50 lb/ft; K-55 set at 509'  
10.050 ID"; Drift diameter – 9.894"  
Capacity – 0.0981 bbls/ft (4.1209 gal/ft)  
Cement circulated to surface

7"; 26 lb/ft; M-95; set at 5536'  
6.276" ID; Drift diameter - 6.151"  
Capacity - 0.0382 bbls/ft (1.607 gal/ft)

7"; 23 lb/ft; M-95; set at 8242'  
6.366" ID; Drift diameter - 6.241"  
Capacity – 0.0393 bbls/ft (1.6535 gal/ft)

Stage 1 Cement circulated; 5825'-8240'  
DV Tool at 5825'  
Stage 2 Cement circulated; 3607'-5825'  
DV Tool at 3607'  
Stage 3 Cement circulated to surface;  
Cement plug – 8240'-8245'  
Cement plug – 6155'-6190'

Current Tubing: 2 3/8"; 4.70 lb/ft; J-55 set at 5962'  
1.995" ID; Drift diameter – 1.901"  
Capacity - .00387 bbls/ft (0.1624 gals/ft)  
Pump Seating Nipple – 2 3/8" (1.780" ID)  
Mule Shoe Collar – 2 3/8" (1.995" ID)

CIBP – 6190'-6192' (over Dakota)

Current Perforations: Mesa Verde – 5940'-6071'  
Dakota – 8140'-8231' (abandoned)

Proposed Perforation: Pictured Cliffs – 3786'-3838'  
3857'-3864'

Procedure:

1. Conduct pre-job safety meeting. Inform all crew members and personnel on location of all potential hazards and review daily procedures. Work safely!
2. Prepare location for work. Test deadmen anchor.
3. Kill well with minimum 1% KCL water. Kill water should be treated with biocide.
4. Move in and rig up pulling unit.
5. Nipple down wellhead. Nipple up and test BOP.
6. POOH with 2 3/8" tubing.
7. Pick up cast iron bridge plug for 7" production casing and RIH.
8. Set plug at +/- 3964' (100' below proposed PC perforations).
9. Pressure test plug and casing to 3000# (verify with maximum pressure to be seen during frac)
10. RIH with wireline and perforate Pictured Cliffs formation as per recommendation. Correlate perforations to TDT log.
11. Have surface equipment available for flowback.
12. Rig up frac unit and fracture stimulate as per Lucas Bazan's recommendation.
13. Rig down frac unit.
14. Flowback the well to clean up frac fluid.
15. RIH with 2 3/8" tubing, land at 3820' and obtain a stabilized C-104 test. Report results of test.
16. RIH with mill and drill out CIBP at 3914'.
17. Tag for fill. If fill is present, clean out to PBTD (PBTD = 6155'). POOH and lay down mill.
18. RIH with 2 3/8" production string, seating nipple, and mule shoe collar. Drift tubing as running in hole to insure of no crimped connections. Land at approximately 5962'.  
**Torque requirements for 2 3/8" 4.7lb/ft; J-55 external upset tubing: (confirm tubing type)**  
**Min: 970 ft-lb    Opt: 1290 ft-lb    Max: 1610 ft-lb**
19. Make a plunger run before rigging down.
20. Nipple down BOP and nipple up wellhead.
21. Connect to sales and swab in well.

Prepared by Jennye Pusch  
March 27, 2002

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 106

6. If Indian, Allottee or Tribe Name

Jicarilla

7. If Unit or C.A. Agreement Designation

8. Well Name and No.

Jicarilla B #2 A

9. API Well No.

30-039-25845

10. Field and Well Name (72319)

Blanco Mesa Verde  
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 25, T-26-N, R-4-W, I  
1540' FSL & 1185' FEL

IN 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 Fracrunning  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Repon result of multiple completion well  
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.)\*

This well was originally given the name Jicarilla B # 16. Conoco filed the APD with this well name in error. There is an existing Mesaverde well in the NE/4 of Section 25 (stand up direction) therefore this well is an infill well to an existing Mesaverde completion which would then denote an A suffix.

Old Name: Jicarilla B #16

New Name: Jicarilla B # 2 A

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

Signed

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), 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

## Jicarilla B #2A Sundry Notice

### Name Change

This well was originally given the name "Jicarilla B #16" (next highest unused well number on Conoco's Jicarilla "B" lease). APD and Downhole Commingle paperwork were filed for with the OCD and BLM with the original well name.

Since there is an existing Mesaverde well in the NE/4 of Section 25 (stand-up dedication), the subject Mesaverde/Dakota well should properly have been proposed as the Jicarilla B #2A, an infill well to an existing Mesaverde completion. Conoco was in error filing original paperwork for this well as the "Jicarilla B #16", and apologizes for any inconvenience it may have caused. The original name, "Jicarilla B #16", should be changed to:

Jicarilla B #2A

DISTRICT I  
1000 Rio Bracos Rd. Aztec NM 87410 1693

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

DISTRICT II  
511 South First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

DISTRICT III  
1000 Rio Bracos Rd. Aztec NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☐ YES ☒ NO

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Jicarilla B

2A 16

Section 25, T-26-N, R-4-W, 1

Rio Arriba

Lease

Well No

Unit Ctr Sec Twp Rge

County

GRID NO 005073

Property Code

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)	5946-6418'		8013-8231'
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	645		1090
Gas & Oil - Flowing Measured Current	b. (Original)	b.	b.
All Gas Zones Estimated Or Measured Original	1326		2483
6 Oil Gravity (°API) or Gas BT Content	1281		1308
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	Date Rates	Date Rates	Date Rates
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Anticipated 1st Yr average 183 MCFD, 1.4 BOPD	Date Rates	Anticipated 1st Yr Average 268 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 NMOC 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  
OMB NO. 1004-0136  
Expires February 23, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK  
DRILL ☒ DEEPEN ☒  
2. NAME OF OPERATOR  
Conoco Inc. 5673

3. RELEASE DESIGNATION AND SERIAL NO.  
CONT 106  
4. INDIAN ALLOTTEE OR TRIBE NAME  
JICARILLA  
5. UNIT AGREEMENT NAME  
6. FARM OR LEASE NAME WELL NO.  
18219 JICARILLA B #18 2A  
7. API WELL NO.  
30-039-25845  
8. FIELD AND POOL, OR WILDCAT  
72319 71549  
Blanco MV/Basin Dakota  
9. SEC. T. R. M. OR BLK  
AND SURVEY OR AREA  
I Sec. 25, T26N, R4W  
10. COUNTY OR PARISH  
Rio Arriba  
11. STATE  
NM

3. ADDRESS AND TELEPHONE NO.  
10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 915-686-5794  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements \*)  
At surface  
1540' FSL & 1185' FEL  
At proposed prod. zone  
1540' FSL & 1185' FEL  
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE \*

5. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line if any)  
16. NO. OF ACRES IN LEASE  
17. NO. OF ACRES ASSIGNED TO THIS WELL  
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
19. PROPOSED DEPTH  
8531'  
20. ROTARY OR CABLE TOOLS  
Rotary  
21. ELEVATIONS (Show whether OF, RT, GR, etc.)  
7186' GR  
22. APPROX. DATE WORK WILL START\*  
4/15/98

23. PROPOSED CASING AND CEMENTING PROGRAM

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#	8231'	1195 sxs, circ.

It is proposed to drill verical 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 NMOC D 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 plats.
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility Layout.
6. Pipeline survey plat.

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

24. 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 for 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 thereon.  
CONDITIONS OF APPROVAL, IF ANY

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

\*See 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

RECEIVED  
APR 28 1998  
OIL CON. DIV.  
DIST. 3  
98 MAR 10 AM 7:55  
ALBUQUERQUE, NM  
RECEIVED  
BLM