

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-039-22293</b>	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. <b>Indian / Federal</b> <b>Jicarilla Contract 109</b>	
7. Lease Name or Unit Agreement Name <b>Jicarilla B</b>	
8. Well Number <b>4E</b>	
9. OGRID Number <b>222374</b>	
10. Pool name or Wildcat <b>Blanco Mesaverde / Basin Dakota</b>	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator  
**CDX RIO, LLC**

3. Address of Operator  
**4801 North Butler Ave., Suite 2000 Farmington, NM 87401**

4. Well Location  
Unit Letter **P** : **940** feet from the **South** line and **880** feet from the **East** line  
Section **21** Township **26N** Range **5W** NMPM County **Rio Arriba**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**6536 GR**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <b>Down-Hole Commingle; Pre-Approved Pools</b> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CDX RIO, LLC request approval to down-hole commingle the subject well. CDX plans to down-hole commingle the Basin Dakota (71599) and the Blanco Mesaverde (72319) pools in this wellbore. These are pre-approved pools as per NMOCD Order#11363.

The Mesaverde will be perforated 5080 - 5332 & 4620 - 4904, Frac stimulated and tested. Production allocation for the two pools will be determined by the subtraction method.

The commingling of the Basin Dakota and Blanco Mesa Verde pools in this wellbore will not reduce the value of the remaining production. Commingling these pools should increase the value of the remaining reserves due to the using the combined reservoir energy to produce the well. Commingling operations conducted on other similar wells have resulted in increased production rates and greater reserves that producing the zones separately.

The working, overriding, and royalty interest owners in the two pools affected by this commingle are identical, therefore no notification of this application need be submitted via certified mail (return receipt).

A copy of this application has been forwarded to the Bureau of Land Management.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Robert Lemmons TITLE Operations Engineer DATE 8-20-04

Robert Lemmons  
For State Use Only

E-mail address: rob.lemmons@cdxgas.com Telephone No. 505-326-3003

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 82 DATE AUG 23 2004

All distances must be from the outer boundaries of the Section

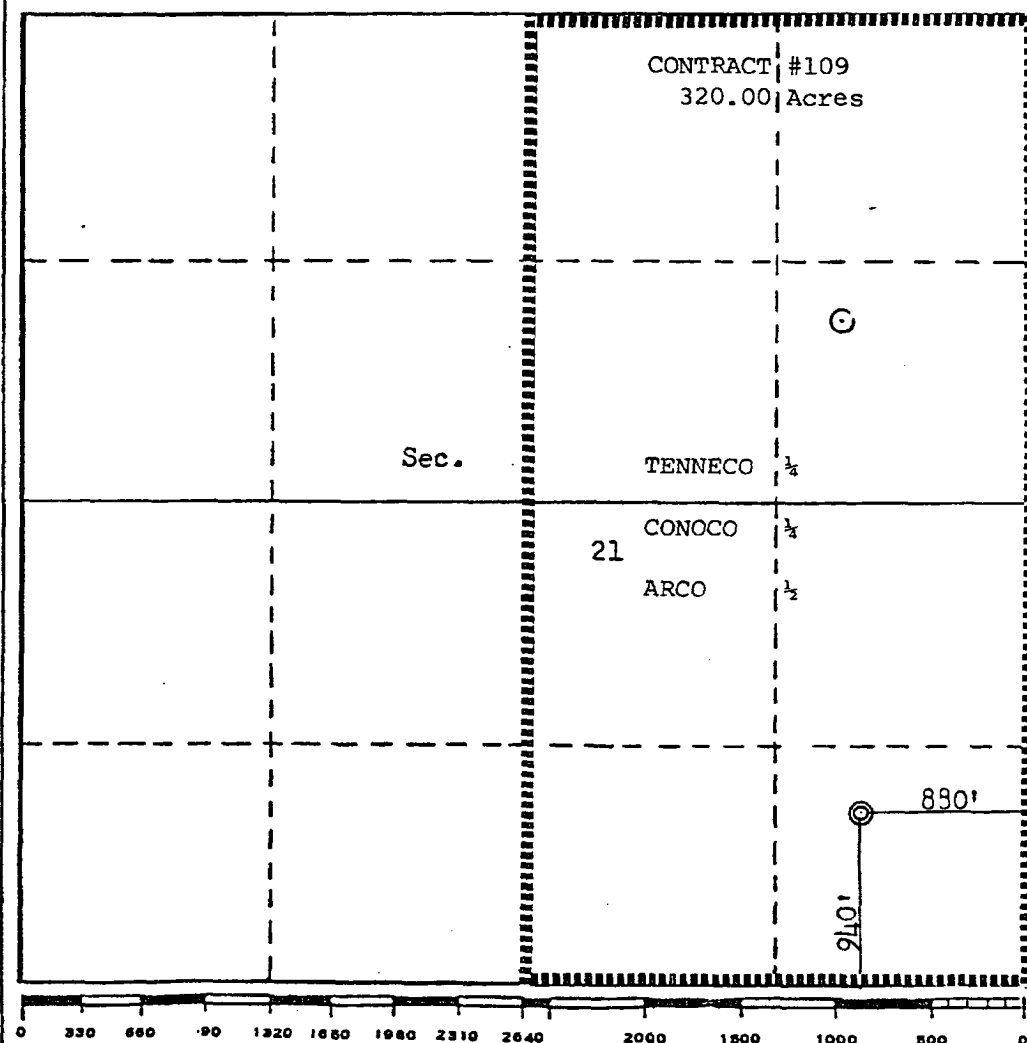
Operator <b>TENNECO OIL COMPANY</b>		Lease <b>JICARILLA "B"</b>		Well No. <b>4-E</b>
Unit Letter <b>P</b>	Section <b>21</b>	Township <b>26N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>
Actual Footage Location of Well: <b>940</b> feet from the <b>South</b> line and <b>880</b> feet from the <b>East</b> line				
Ground Level Elev. <b>6536</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>E 320.00</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name **M. L. Freeman**  
Staff Production Analyst  
Position  
Tenneco Oil Company

Company  
December 27, 1979

Date

**RECEIVED**  
**FEB 22 1980**  
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 knowledge and belief.

Date Surveyed

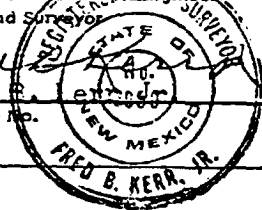
**October 26, 1979**

Registered Professional Engineer and/or Land Surveyor

**Fred B. Kerr, Jr.**

Certificate No.

**3950**



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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-039-22293	<sup>2</sup> Pool Code 82329	<sup>3</sup> Pool Name BLANCO MESAVERDE & BASIN DAKOTA
<sup>4</sup> Property Code	<sup>5</sup> Property Name JICARILLA CONTRACT B	<sup>6</sup> Well Number 4E
<sup>7</sup> OGRID No. 222374	<sup>8</sup> Operator Name CDX RIO, LLC	<sup>9</sup> Elevation 6536 GR

<sup>10</sup> **Surface Location**

UL or lot no. P	Section 21	Township 26N	Range R5W	Lot Idn	Feet from the 940	North/South line SOUTH	Feet from the 880	East/West line EAST	County RIO ARRIBA
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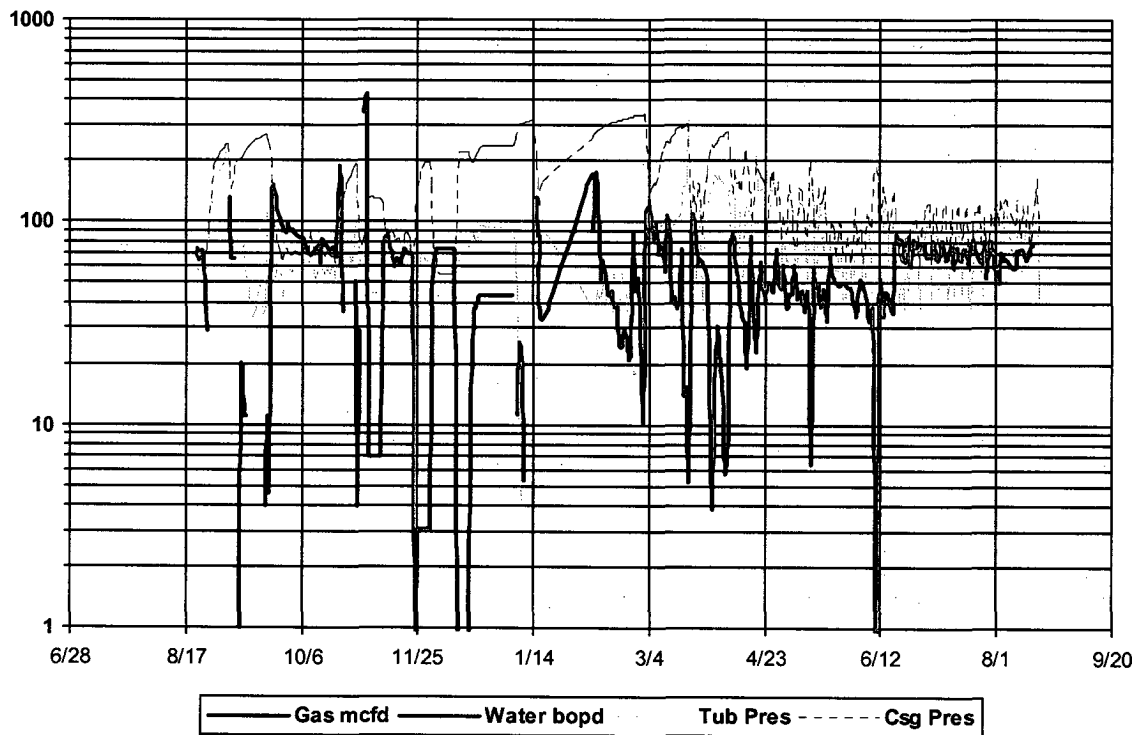
<sup>11</sup> **Bottom Hole Location If Different From Surface**

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.						

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> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Printed Name Robert Lemmons Title and E-mail Address Operations Engineer, rob.lemmons@cdxgas.com Date 8/20/04	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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.</i> October 26, 1979 Date of Survey Signature and Seal of Professional Surveyor: ON FILE Certificate Number 3950	

'JICARILLA B 004E-DK' (8/21/03 - 8/20/04)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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  
CDX RIO, LLC

3a. Address  
4801 N. Butler, Suite 2000, Farmington NM 87401

3b. Phone No. (include area code)  
505-326-3003

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

940' FSL & 880 FEL  
Unit P, Sec 21, T26N, R5W

5. Lease Serial No.

Jicarilla Cont. 109

6. If Indian, Allottee or Tribe Name

Jicarilla-Dulce, N.M.

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

8. Well Name and No.

Jicarilla Contract B #4E

9. API Well No.

30-039-22293

10. Field and Pool, or Exploratory Area

Dakota-Mesaverde

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 type="checkbox"/> Other
	<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 recomplete 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 recompletion 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.)

**Proposed operation - to start approximately October 15th**

**1. Run bit and casing scraper to PBTD.**

**2. Run GR/CBL log across Mesaverde.**

**3. Cement squeeze as necessary (notify the BLM before any cementing operations)**

**4. Set 4 1/2" CIBP at 5450' (100' below lowest MV perf).**

**5. Pressure test casing to 3,000 psi. If pressure holds, frac down casing, else, repair leak and frac down tubing.**

**6. Fracture stimulate Point Lookout and Lower Menefee (5080-5332, 25 shots).**

**7. Flowback frac and allow well to log off. Release packer, POOH.**

**8. Set 4 1/2" BP at 5050'.**

**9. Fracture stimulate Cliffhouse and Upper Menefee (4620-4904, 25 shots).**

**10. Flowback frac and allow well to log off. Release packer POOH.**

**11. Drill out bridge plugs.**

**12. Cleanout and test Mesaverde and Dakota for allocation purposes.**

**13. Run tubing and place on production as a Blanco Mesaverde and Basin Dakota producer.**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

David C. Smith

Title Production Engineer

Signature

Date

08/18/2004

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

Approved by

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.

Title

Date

Office

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.

(Instructions on page 2)