

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

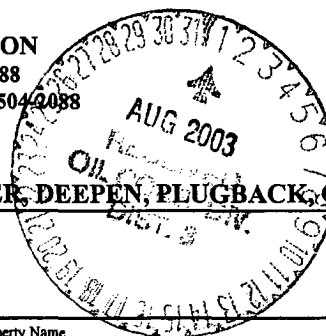
State Lease - 6 Copies

Fee Lease - 5 Copies

OIL CONSERVATION DIVISION

PO BOX 2088

Santa Fe, NM 87504-2088



AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Cordillera Energy, Inc. c/o Walsh Engineering and Production Corp. 7415 E. Main St., Farmington, NM 87402 (505) 327-4892		² OGRID Number
⁴ Property Code 25016	⁵ Property Name Rio Bravo	³ API Number 30-0 45-31817
		⁶ Well No. 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
C	27	31N	13W		865	North	1690	West	San Juan

⁸ Proposed 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
⁹ Proposed Pool 1 Basin Fruitland Coal					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 5679'
¹⁶ Multiple No	¹⁷ Proposed Depth 2130' +/-	¹⁸ Formation Pictured Cliffs	¹⁹ Contractor NA	²⁰ Spud Date August 2003

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
8-3/4"	7"	20#	120' +/-	50 (59 cu.ft.)	Surface
6-1/4"	4-1/2"	10.5#	2130' +/-	155 sx + 100 sx	Surface

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Cordillera Energy proposes to drill a vertical well at the above described location and test the Fruitland Coal formation. A 8-3/4" surface hole will be drilled to 120' where 7", 20# casing will set and cemented to surface with 50 sx (59 cu.ft.) of CI "B" cement with 1/4#/sk celloflake and 2% CaCl₂. After WOC a 2000 psi double ram or annular preventer will be installed and pressure tested to 600 psi. A 6-1/4" hole will be drilled to approximately 2130' with a fresh water polymer mud system. Induction and density logs will be run at TD. 4-1/2", 10.5# casing will be run to TD and cemented to surface with 155 sx (319 cu.ft.) of CI "B" with 2% SMS and 1/4 #/sk celloflake, and 100 sx (118 cu.ft.) of CI "B" with 5#/sk gilsonite and 1/4#/sk celloflake. The Fruitland Coal formation will be selectively perforated and completed. The well will be connected to Williams Field Services gathering system.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Paul C. Thompson*

Printed name: Paul C. Thompson, P.E.

Title: Agent

Date: 08/01/03

Phone: (505) 327-4892

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 23

Approval: AUG - 1 2003

Expiration Date: AUG - 1 2004

Conditions of Approval

Attached ☐

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
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Santa Fe, NM 87504-2088

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Revised February 21, 1994
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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-31817		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 25016	*Property Name RIO BRAVO		*Well Number 2
*GRID No. 173252	*Operator Name CORDILLERA ENERGY, INC.		*Elevation 5679'

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
C	27	31N	13W		865	NORTH	1690	WEST	SAN JUAN

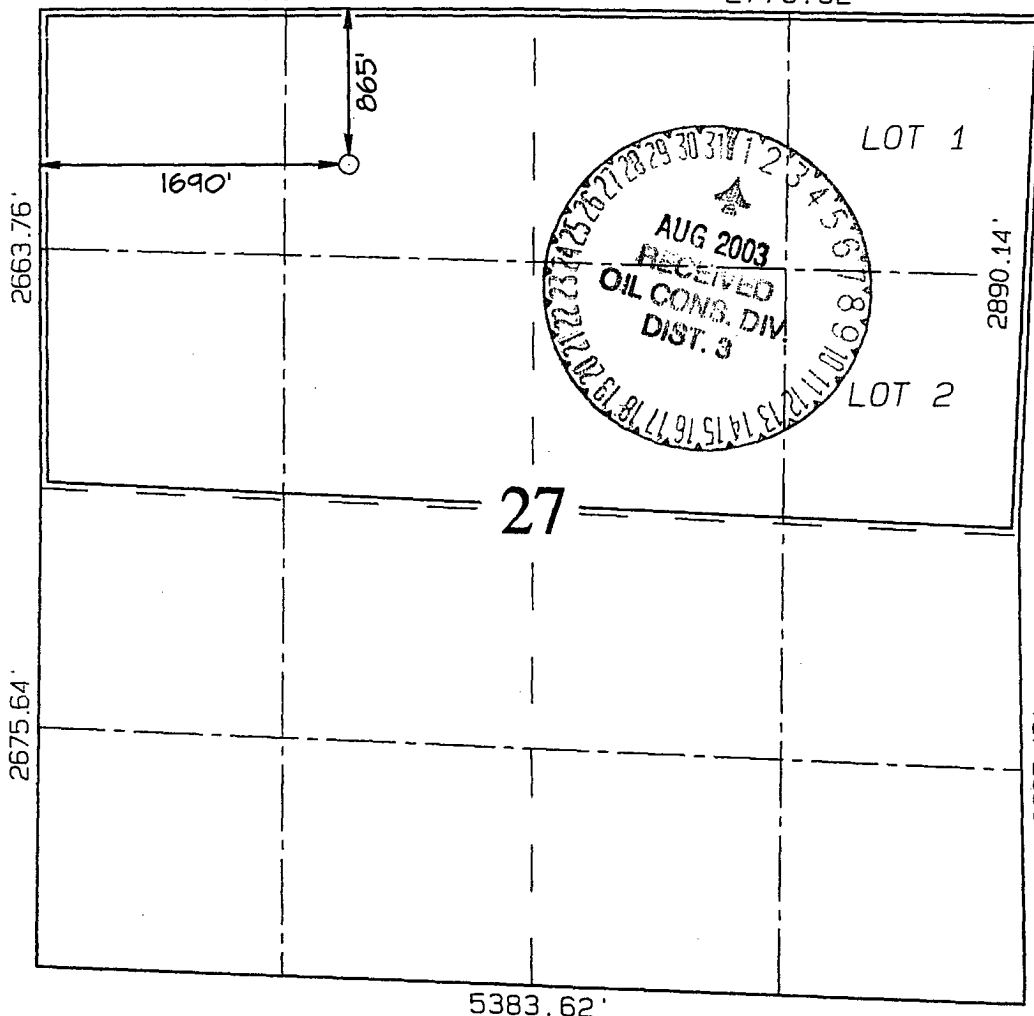
¹¹ Bottom Hole Location If Different From Surface

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 329.25 Acres - (N/2)					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

2693.46'

2776.62'



¹⁷ OPERATOR CERTIFICATION

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

Paul C. Thompson
Signature
Paul C. Thompson
Printed Name
AGENT
Title
8/1/03
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: MAY 15, 2003

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269