

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

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

OCT 2003

☐ 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 173252
⁴ Property Code 24068	³ API Number 30-0 45-31972	⁶ Well No. 1R
⁵ Property Name Amentum Pan Am State		

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
K	36	32N	13W		1620	South	1950	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 Blanco Mesa Verde					¹⁰ Proposed Pool 2 Basin Dakota				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 5808'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 6860 +/-	¹⁸ Formation Dakota	¹⁹ Contractor NA	²⁰ Spud Date November 15, 2003

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36#	250' +/-	140 (165 cu.ft.)	Surface
8-3/4"	7"	20#	3980' +/-	1066 c.ft. + 139 c.ft.	Surface
6-1/4"	4-1/2"	10.5#	6860' +/-	327 c.ft. + 196 c.ft.	3880'

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 Dakota & Mesa Verde. A 12-1/4" surface hole will be drilled to 250' where 9-5/8", 32# casing will set and cemented to surface with 140 sx (165 cu.ft.) of CI "B" with 1/4#/sk celloflake and 2% CaCl₂. After WOC, a 2000 psi double ram preventer will be installed and pressure tested to 1500 psi. A 8-3/4" hole will be drilled to approximately 3980' with a fresh water polymer mud system. 7", 20# casing will be cemented to surface with 510 sx (1066 cu.ft.) and 100 sx (139 cu.ft.) of Type III cement with additives. A 6-1/4" hole will be drilled to TD with air. 4-1/2" casing will be cemented to 100' above the 7" shoe with 165 sx (327 cu.ft.) and 100 sx (196 cu.ft.) of CI "B" cement with additives. Induction/GR and Density logs will be run at TD. Formation Tops PC - 2090'; CH - 3775'; Men - 3930'; PL - 4450'; GH - 6530'; DK - 6660'. The well will connected to EPFS 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: 10/21/03

Phone: (505) 327-4892

OIL CONSERVATION DIVISION

Approved by: R. E. Hylton

Title: DEPUTY OIL & GAS INSPECTOR, DIST. #1

Approval Date: OCT 22 2003

Expiration Date: OCT 22 2004

Conditions of Approval

Attached ☐

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31972	² Pool Code 72319 / 71599	³ Pool Name BLANCO-MESAVERDE / BASIN DAKOTA
⁴ Property Code 24068	⁵ Property Name PAN AM STATE COM <i>American</i>	⁶ Well Number 1R
⁷ GRID No. 173252	⁸ Operator Name CORDILLERA ENERGY, INC.	⁹ Elevation 5808'

¹⁰ Surface Location

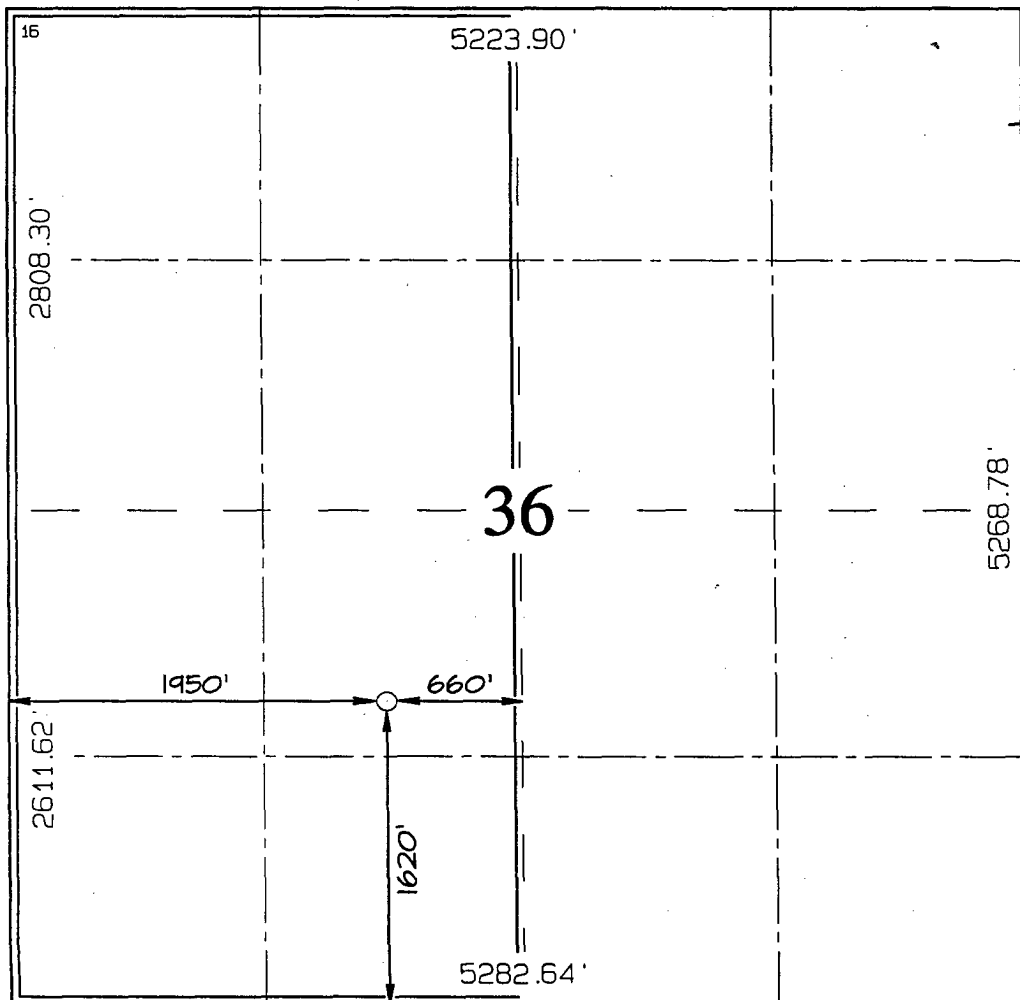
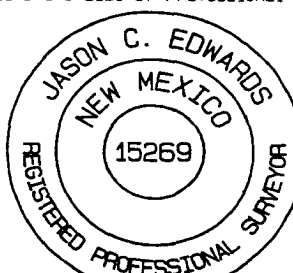
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	32N	13W		1620	SOUTH	1950	WEST	SAN JUAN

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 320.0 Acres - (W/2)	¹³ Joint or Infill Y	¹⁴ Consolidation Code	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

	<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>Paul C. Thompson</i> Signature Paul C. Thompson Printed Name AGENT Title 10/22/03 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>Survey Date: SEPTEMBER 29, 2003</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>
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