

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised February 10, 1994

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

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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	⁵ Property Name American Pan Am State	³ API Number 30-045-31973
		⁶ Well No. 1Y

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
D	36	32N	13W		660	North	670	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 5838'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 6890 +/-	¹⁸ Formation Dakota	¹⁹ Contractor NA	²⁰ Spud Date November 1, 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#	4030' +/-	1076 c.ft. + 139 c.ft	Surface
6-1/4"	4-1/2"	10.5#	6890' +/-	327 c.ft. + 196 c.ft.	3930'

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 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 4030' with a fresh water polymer mud system. 7", 20# casing will be cemented to surface with 515 sx (1076 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 - 2120'; CH - 3900'; Men - 3980'; PL - 4465'; GH - 6562'; DK - 6690'

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: *[Signature]*

Title: DEPUTY OIL & GAS INSPECTOR, DIST. III

Approval Date: OCT 22 2003

Expiration Date: OCT 22 2004

Conditions of Approval

Attached ☐

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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 30-045-31973		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 24068		*Property Name PAN AM STATE COM <i>American</i>			*Well Number 1Y
*GRID No. 173252		*Operator Name CORDILLERA ENERGY, INC.			*Elevation 5838'

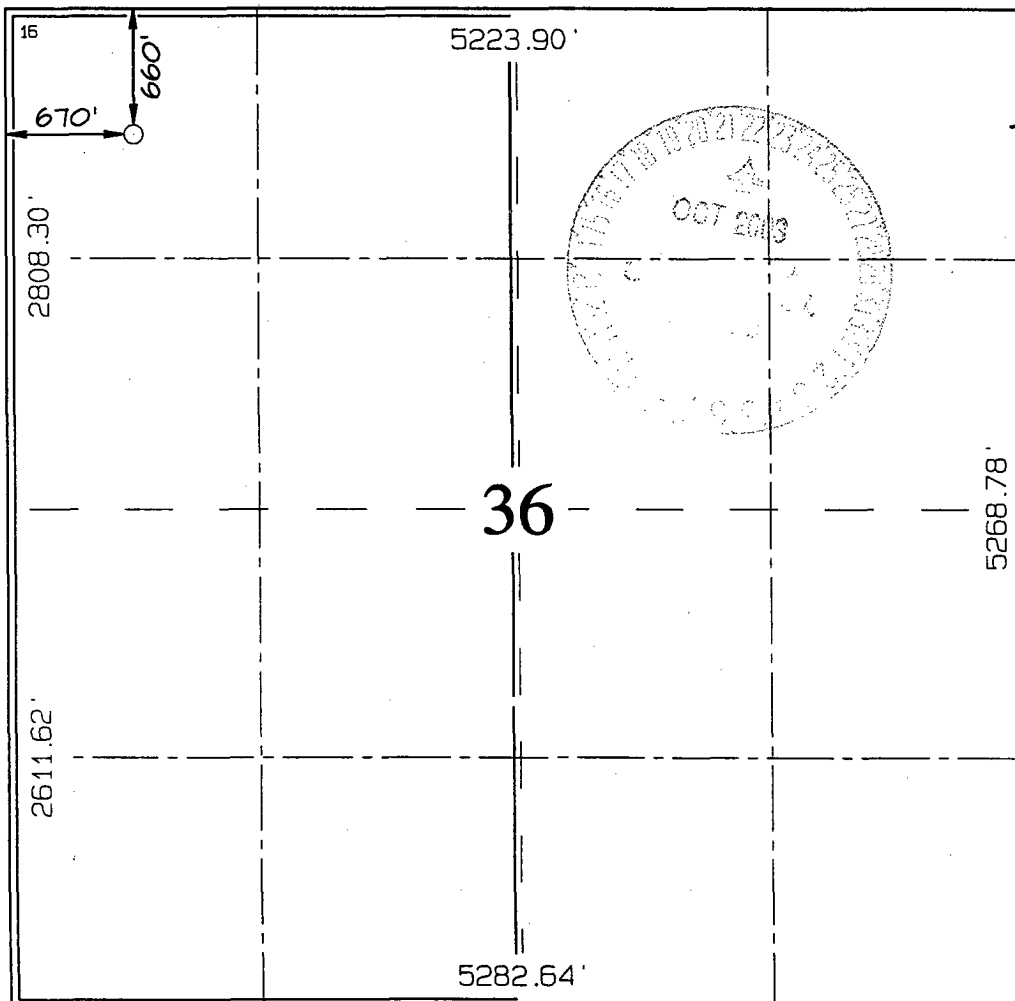
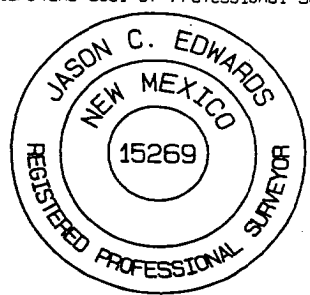
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	32N	13W		660	NORTH	670	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.	

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 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</p> <p><i>Paul C. Thompson</i> Printed Name</p> <p><i>AGENT</i> Title</p> <p><i>10/22/03</i> Date</p>
	<p>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.</p> <p>Survey Date: SEPTEMBER 19, 2003</p> <p>Signature and Seal of Professional Surveyor</p> <p></p> <p><i>JASON C. EDWARDS</i> Certificate Number 15269</p>