

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

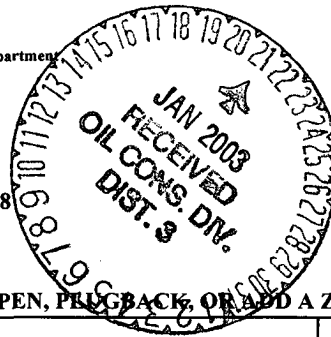
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

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



Form C-101
Revised February 10, 1994
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, 7415 E. Main St., Farmington, NM 87402 (505) 327-4892		² OGRID Number 173252
⁴ Property Code 24068	⁵ Property Name Pan Am State Com	³ API Number 30 - 0 45 - 31342
		⁶ Well No. 1B

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
M	36	32N	13W		660	South	660	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 5797'
¹⁶ Multiple Y	¹⁷ Proposed Depth 7065'	¹⁸ Formation Dakota	¹⁹ Contractor	²⁰ Spud Date April 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	Surface
8-3/4"	7"	20#	+/- 3940'	505 + 100	Surface
6-1/4"	4-1/2"	11.6#	+/- 7065'	190 + 100	3840'

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, Inc. proposes to drill a vertical well with a 12-1/4" surface hole to approx. 250' with spud mud and set and cement to surface, 9-5/8", 36# casing with 140 sx (165 cu.ft.) of CI "B" with 2% CaCl₂ and 1/4#/sk CF. A double ram, 2000 psi rated BOP will be installed and pressure tested to 1500 psi. A 8-3/4" hole will be drilled using a fresh water - polymer mud system to approx. 3940'. 7", 20#, J-55 casing will be set and cemented to surface. Lead with 505 sx (1056 cu.ft) of Type III 65/35 poz with 8% gel, 1% CaCl₂, 1/4#/sk. Celloflake. Tail with 100 sx (139 cu.ft.) of Type III with 1% CaCl₂, 1/4#/sk. Celloflake. (100% excess to circulate cement to surface). WOC for 12 hrs. and pressure test the BOP and casing to 1500 psi. A 6-1/4" hole will be drilled with air to 7065'. Open hole DIL and FDC/CNL/GR logs will be run. Surveys will be run every 500'. 4-1/2", 11.6#, N-80 casing will set and cemented to 3840' using. 190 sx (376 cu.ft.) of Premium Lite HS with 0.65% FL-52, 0.32% CD-32, 1/4 #/sk celloflake, and 4% phenoseal and 100 sx (196 cu.ft.) of Premium Lite HS with 0.65% FL-52, and 0.32% CD-32. (70% excess to circulate 100' above 7"). The W/2 of Section 36 (320 acres) is dedicated to this well. Formation Tops: OA - 390', PC - 2080', CH - 3845', MEN - 3930', PL - 4515', DK - 6765'.

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: 01/21/03
Phone: (505) 327-4892

OIL CONSERVATION DIVISION

Approved by: [Signature]
Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3

Approval Date: JAN 21 2003 Expiration Date: JAN 21 2004

Conditions of Approval
Attached ☐

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Form C-102

Revised February 21, 1994

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-31342	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 24068	*Property Name PAN AM STATE COM	*Well Number 1B
*GRID No. 173252	*Operator Name CORDILLERA ENERGY, INC.	*Elevation 5797'

¹⁰ Surface Location

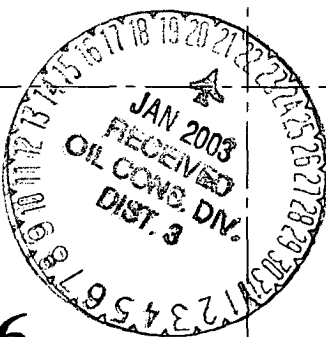

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	32N	13W		660	SOUTH	660	WEST	SAN JUAN

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

<div><p>16</p><p>5223.90'</p><p>2808.30'</p><p>2611.62'</p><p>660'</p><p>660'</p><p>5282.64'</p><p>36</p></div>	<div><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, P.E. Printed Name AGENT Title 1/21/03 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: JANUARY 2, 2003</p><p>Signature and Seal of Professional Surveyor</p><p>JASON C. EDWARDS Certificate Number 15269</p></div>
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