Form 3160-3 (May 1999)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

FORM APPROVED OMB 1004-0136

UNITED STATES

Expires: May 31, 2000

DIIDE				
BURE	AU OF LAND MANA	AGEMENT		SF 078244
APPLICATION FO	R PERMIT TO DR	ILL, DEEPEN, OF	R PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
TYPE OF WORK DRILL				7. UNIT AGREEMENT NAME
TYPE OF WELL		-		8. FARM OR LEASE NAME, WELL NO.
OIL WELL	X OTHER	SINGLE ZONE	MULTIPLE ZONE	X Lea #1C
NAME OF OPERATOR Cordillera E	naron Inc	467	8 0 70	9. API WELL NO. 3/200
ADDRESS OF OPERATOR	nergy, Inc.	601		30 045 3120(10. FIELD AND POOL OR WILDCAT
o Walsh Engineering, 74	415 E. Main St. Farn	nington,(NM 87402	(505) 327×1892	Blanco Mesa Verde/ Basin Dak
LOCATION OF WELL (Report location Surface 1035' FSI, or		any State requirements.*)	2003	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Surface 1035' FSL are proposed Prod. Zone	ia oou FWL	E OLO		AND SURVEY OR AREA A Sec. 30, T31N, R12W
Same		To Da	in in	W Sec. 30, 13111, K12W
DISTANCE IN MILES AND DIRECTION		OFFICE*		12. COUNTY OR PARISH 13. STA
6 miles north	INVEST OF AZTEC, NM	16. NO. OF ACRES TO LEASE		San Juan NM
OR LEASE LINE, FT. (Also to nearest drig.		de air	a Charles	,
060' DISTANCE FROM PROPOSED LOCATIO	ON* TO NEAREST WELL	320 19. PROPOSED DEPTH	+	W ₹/2 298.02 acres 20. ROTARY OR CABLE TOOLS
DRILLING, COMPLETED, OR APPLIED		l .		
1500' ELEVATIONS (Show whether DF, RT, GR	etc.)	///	0' +/-	Rotary 22. APPROX DATE WORK WILL START*
5906' GR				June 2002
		ING AND CEMENTING		
SIZE OF HOLE 12-1/4"	GRADE, SIZE OF CASING 9-5/8"	WEIGHT PER FOOT 36# J-55	SETTING DEPTH 250' +/-	QUANTITY OF CEMENT 165 cu ft. Cl "B" w/ 2% CaCl 2
···	+			
8-3/4" 6-1/4"	7" 4-1/2"	20# J-55 11.6#, N-80	4185' +/- /030' +/-	1119 cu.ft. lead & 139 cu.ft. tail 327 cu.ft. lead & 196 cu.ft. tail
6-1/4" Cordillera Energy, Inc. p he above described locat This location has been ar	roposes to drill a vertion in accordance w	11.6#, N-80 rtical well to develo ith the attached dril eyed by La Plata Arc	p the Blanco Meso lling and surface u chealogical Servic	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. be. Copies of their report have been
6-1/4" Cordillera Energy, Inc. p. the above described locat This location has been ar tubmitted directly to your tubmitted directly to your The wellpad, access road, was held with the BLM or	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the confliction of the conflic	11.6#, N-80 rtical well to develogith the attached drile eyed by La Plata Are rulting performed a	p the Blanco Meso ling and surface w chealogical Servic T&E survey 7/19/	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. be. Copies of their report have been 02. Copies of their report have been
6-1/4" Cordillera Energy, Inc. p. he above described locat This location has been ar ubmitted directly to your ubmitted directly to your	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the confliction of the conflic	rtical well to developith the attached drileryed by La Plata Are rulting performed a located on BLM state of the procedural review pu	p the Blanco Mesaling and surface uchealogical Service T&E survey 7/19/0urface land. An on	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. re. Copies of their report have been 02. Copies of their report have been 0-site inspection
Cordillera Energy, Inc. pathe above described location has been are ubmitted directly to your ubmitted directly to your the wellpad, access road, was held with the BLM or SUBLECT TO SOMPLANCE WIT "GENERAL REQUIREMENTS".	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the confliction of the conflic	rtical well to developith the attached drile eyed by La Plata Are rulting performed a located on BLM state of the section is subject procedural review put and appeal pursuant is to deepen or plug back, give da	p the Blanco Meson ling and surface whealogical Service T&E survey 7/19/0 urface land. An on to technical and result to 43 CFR 3165.4 ta on present productive zone to the survey of the	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. be. Copies of their report have been 02. Copies of their report have been 0-site inspection
Cordillera Energy, Inc. proposal is to drill or deepen directions.	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the confliction of the conflic	rtical well to developith the attached drift eyed by La Plata Are rulting performed a located on BLM state located on BLM state located procedural review put and appeal pursuant at to deepen or plug back, give da ace locations and measured and according and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to the state locations and the state locations are state locations and the state locations are stat	p the Blanco Mesoling and surface whealogical Service T&E survey 7/19/0 urface land. An onto technical and issuant to 43 CFR 3165.4 ta on present productive zone true vertical depths. Give bloometical and the surface land.	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. re. Copies of their report have been 02. Copies of their report have been u-site inspection
6-1/4" Cordillera Energy, Inc. proposal is to drill or described locate this location has been are ubmitted directly to your when wellpad, access road, was held with the BLM or "GENERAL REQUIREMENTS". NABOVE SPACE DESCRIBE PROPOSE TO SCHIBE PROPOSE TO SCHIBE PROPOSE WILL ABOVE SPACE DESCRIBE PROPOSE TO THE PROPOSE TO THE PROPOSE TO THE PROPOSE TO THE PROPOSE THE PROPOSE TO THE PROPOSE T	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the confliction of the conflic	rtical well to developith the attached drift eyed by La Plata Are rulting performed a located on BLM state located on BLM state located procedural review put and appeal pursuant at to deepen or plug back, give da ace locations and measured and according and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to the state locations and the state locations are state locations and the state locations are stat	p the Blanco Meson ling and surface whealogical Service T&E survey 7/19/0 urface land. An on to technical and result to 43 CFR 3165.4 ta on present productive zone to the survey of the	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. re. Copies of their report have been 02. Copies of their report have been u-site inspection
Cordillera Energy, Inc. p. the above described locat this location has been are ubmitted directly to your ubmitted directly to your the wellpad, access road, was held with the BLM or "GENERAL REQUIREMENTS". NABOVE SPACE DESCRIBE PROPORTIONS IS to drill or deepen directional. SIGNED Paul C. (This space for Federal or State office use)	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the confliction of the conflic	rtical well to developith the attached drift eyed by La Plata Are rulting performed a located on BLM state located on BLM state located procedural review put and appeal pursuant at to deepen or plug back, give da ace locations and measured and according and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to develope the state locations and measured and according to the state locations and the state locations are state locations and the state locations are stat	p the Blanco Mesoling and surface whealogical Service T&E survey 7/19/0 urface land. An onto technical and issuant to 43 CFR 3165.4 ta on present productive zone true vertical depths. Give bloometical and the surface land.	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. re. Copies of their report have been 02. Copies of their report have been u-site inspection
Cordillera Energy, Inc. properties location has been are ubmitted directly to your ubmitted directly to your ubmitted directly to your ubmitted directly to your the wellpad, access road, was held with the BLM or SUBLECT TO SOMPLANCE WIT "GENERAL REQUIREMENTS". NABOVE SPACE DESCRIBE PROPORT PROPORTIES OF THE STATE OF THE PROPORTIES OF THE STATE OF THE PROPORTIES OF THE	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the const	rtical well to developith the attached drile eyed by La Plata Are sulting performed a colorated on BLM state located on BLM state and appeal pursuant is to deepen or plug back, give datace locations and measured and approval data	p the Blanco Meson ling and surface we chealogical Service T&E survey 7/19/0 urface land. An on to technical and resuant to 43 CFR 3165.8 to 43 CFR 3165.4 ta on present productive zone true vertical depths. Give block all Thompson, Agental	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. be. Copies of their report have been 02. Copies of their report have been 03. Site inspection and proposed new productive zone. become proposed new productive zone. become proposed new productive zone. and DATE 9/16/02
Cordillera Energy, Inc. proposal is to drill or deepen directions NABOVE SPACE DESCRIBE PROPOSTORIONAL NAB	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the const	rtical well to developith the attached drile eyed by La Plata Are sulting performed a colorated on BLM state located on BLM state and appeal pursuant is to deepen or plug back, give datace locations and measured and approval data	p the Blanco Meson ling and surface we chealogical Service T&E survey 7/19/0 urface land. An on to technical and resuant to 43 CFR 3165.8 to 43 CFR 3165.4 ta on present productive zone true vertical depths. Give block all Thompson, Agental	327 cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. be. Copies of their report have been 02. Copies of their report have been 03. Site inspection and proposed new productive zone. become proposed new productive zone. become proposed new productive zone. and DATE 9/16/02
Cordillera Energy, Inc. properties to cation has been are submitted directly to your submitted directl	roposes to drill a vertion in accordance we chaeologically surver office. Nelson Construction of the const	rtical well to developith the attached drile eyed by La Plata Are sulting performed a colorated on BLM state located on BLM state and appeal pursuant is to deepen or plug back, give datace locations and measured and approval data	p the Blanco Meson ling and surface we chealogical Service T&E survey 7/19/0 urface land. An on to technical and resuant to 43 CFR 3165.8 to 43 CFR 3165.4 ta on present productive zone true vertical depths. Give block all Thompson, Agental	32/cu.ft. lead & 196 cu.ft. tail a Verde and Basin Dakota formation use plans. be. Copies of their report have been 02. Copies of their report have been 0-site inspection c and proposed new productive zone. be and proposed new productive zone. because the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes 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.

PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

District II PO Drawer DD, Artesia, NM 88211-0719

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

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

AMENDED REPORT

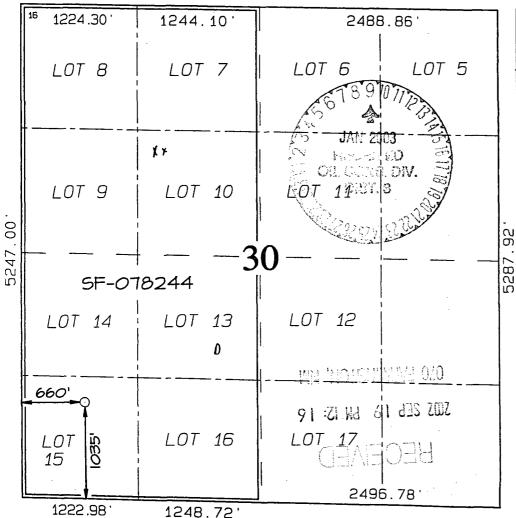
Form C-102

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number			722	²Pool Code 72319 \ 71599		POOL NAME BLANCO MESAVERDE \ BASIN DAKOTA					
30-045-31206 12319 11											
¹Property Code				*Property Name				*Well Number			
240	24050			LEA				1C			
'OGRID No.			*Operator Name				*Elevation				
173252 CORE				DILLERA ENERGY, INC.				5906			
¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County	
М	30	31N	12W		1035	SOUTH	660	660 WEST SAN JUAN			
<u> </u>	<u> </u>	11 B	ottom	Hole L	ocation I	f Different	From Surf	ace			
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
										"	
298.02 Acres - (W/2)				¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.					
				Y							
NO ALLOW	ABLE W	ILL BE A				ON UNTIL ALL			EN CO	VSOLIDATED	

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



	IL DIVISION
	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
	Signature Paul C. Thompson
	Printed Name Agent Title 9/17/02
	Date
CU/ . JC	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 30, 2002

Signature and Seal of Professional Surveyor



15269 Certificate Number

Lea #1C Operations Plan Pg #2

C. Minimum Blowout Control Specifications:

Double ram type 2000 psi working pressure BOP with a rotating head. See the attached Exhibit #1 for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1000 psi.

The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

IV. Materials

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
12-1/4"	250 ′	9-5/8"	36# J-55
8-3/4"	4185'	7 ''	20# J-55
6-1/4"	7050 ′	4-1/2"	11.6# N-80

- B. Float Equipment:
- a) Surface Casing: Notched collar on bottom and 3 centralizers on the bottom 3 joints.
- b) Intermediate Casing: 7" cement guide shoe and self fill insert float collar. Place float one joint above shoe. Ten centralizers spaced every other joint above shoe and ten turbolizers every other joint from 1500'.
- c) Production Casing: 4-1/2" whirler type cement nosed guide shoe and a float collar on top of the bottom joint.

Lea #1C Operations Plan Pg #3

V. Cementing:

Surface casing: 9-5/8" - Use 140 sx (165 cu. ft.) of Cl "B" with 2% CaCl₂ (Yield = 1.18 cu. ft./sk; slurry weight = 15.6 PPG). 100% excess to circulate cement to surface. WOC 12 hours. Pressure test surface casing to 1000 psi for 30 min.

Intermediate Casing: 7" - Before cementing circulate hole with at least 1-1/2 hole volumes of mud. Precede cement with 30 bbls of fresh water. Lead with 535 sx (1119 cu.ft) of Type III 65/35 poz with 8% gel, 1% $CaCl_2$, ¼#/sk. Celloflake. (Yield = 2.09 cu.ft./sk; slurry weight = 12.1 PPG). Tail with 100 sx (139 cu.ft.) of Type III with 1% $CaCl_2$, ¼#/sk. Celloflake. (Yield = 1.39 cu. ft./sk; slurry weight = 14.5 PPG). Total cement volume is 1258 cu.ft. (100% excess to circulate cement to surface). WOC for 12 hrs. Pressure test the BOP and casing to 1500 psi.

Production Casing: 4-1/2" - Blow hole clean. Precede cement with 20 bbls of gel water and 10 bbls of water. Lead with 165 sx (327 cu.ft.) of Premium Lite HS with 0.65% FL-52, 0.32% CD-32, $\frac{1}{4}$ #/sk celloflake, and 4% phenoseal. (Yield = 1.98 cu.ft./sk; slurry weight = 12.5 PPG). Tail with 100 sx (196 cu.ft.) of Premium Lite HS with 0.65% FL-52, and 0.32% CD-32. (Yield = 1.96 cu.ft./sk; slurry weight = 12.5 PPG). Total cement volume is 523 cu.ft. (70% excess to circulate 100' above the intermediate casing shoe).

Paul C. Thompson, P.E.