

Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

(See other instructions
on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NMSF 078244	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR CORDILLERA ENERGY, INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 5802 HIGHWAY 64, FARMINGTON, NM 87401		8. FARM OR LEASE NAME, WELL NO. SOUTHERN UNION #1C	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 910' FSL & 1855' FEL - UL "O" At top prod. interval reported below same At total depth same		9. API WELL NO. 30-045-31069	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE	
DATE ISSUED		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 19, T31N, R12W	
15. DATE SPUDDED 7/15/2002		12. COUNTY OR PARISH SAN JUAN	
16. DATE T.D. REACHED 7/26/2002		13. STATE NEW MEXICO	
17. DATE COMPL. (Ready to prod.) 8/26/2002		18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 5975' GR 5990' KB	
19. ELEV. CASINGHEAD 5975'		20. TOTAL DEPTH, MM & JJJ 6990'	
21. PLUG, BACK T.D., MD & TTT 6947'		22. IF MULTIPLE COMPL. HOW MANY? 2	
23. INTERVALS DRILLED BY		ROTARY TOOLS X	
24. PRODUCTION INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4678' - 4763' 4801' - 4929' MESA VERDE		CABLE TOOLS	
25. WAS DIRECTIONAL SURVEY MADE NO		26. TYPE ELECTRIC AND OTHER LOGS RUN GR/DEN/NEUT CMT BOND	
27. WAS WELL CORED NO			

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36# J55 STC	273'	12-1/4"	175 SX (37BBL) Cls B w/2% CaCl ₂ , 1# sx cellophane.	18 bbl
7"	23# J55 LTC	4307'	8-3/4"	1st stage: 27bbl(75sx) (65/35 Cls B/Poz)w/2% CaCl ₂ , 1/4# cph	Did not circ cmt.
				2nd stage: 180bbl(500sx) 65/35 Cls B/Poz)w/2% CaCl ₂ , 1/4# cph	
4-1/2"	11.6# N80 LTC	6988'	6-1/4"	340sx(87bbl)50/50Poz w/2%gel, 5#sx Gils 1/4# sx cphane	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
N/A	Produce MV up Casing	6782'			
31. PERFORATION RECORD (Interval, size and number)					
4678' - 4763'	0.38	37 shots			
4801' - 4929'	0.38	34 shots			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
4678' - 4763'		2500 gal 15% HCL, frac w/154,000 gal&151,290# 20/40 RCS @75 bpm			
4801' - 4929'		2500 gal 15% HCL, frac w/88,250 gal&70,000# 20/40 RCS @ 60 bpm			

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing				WELL STATUS Shut In (Producing or shut-in) shut-in	
DATE OF TEST 8/17/2002	HR'S TESTED 24	CHOKE SIZE 1.250	PROD'N FOR TEST PERIOD	OIL—BBL -0-	GAS—MCF 2191	WATER—BBL 15	GAS-OIL RATIO n/a
FLOW TUBING PRESS 207#	CSG PRESS 210#	CALCULATED 24-HOUR RATE	OIL—BBL -0-	GAS—MCF 2191	WATER—BBL 15	OIL GRAVITY-API (CORE.) n/a	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test. Sold when producing.						TEST WITNESSED BY DARYL WRIGHT	
35. LIST OF ATTACHMENTS							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.	
SIGNED Ray Robinson	TITLE PRODUCTION TECHNICIAN

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

ACCEPTED FOR RECORD
AUG 29 2002
FARMINGTON FIELD OFFICE

38. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries).						
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				OJO ALAMO	480'	480'
				KIRTLAND	640'	640'
				FRUITLAND	1700'	1700'
				PICTURED CLIFFS	2215'	2215'
				LEWIS SHALE	2380'	2380'
				CLIFF HOUSE	3930'	3930'
				MENEFEE	4230'	4230'
				POINT LOOKOUT	4715'	4715'
				MANCOS	4804'	4804'
				GALLUP	5910'	5910'
				GREENHORN	6590'	6590'
				GRANEROS	6650'	6650'
				DAKOTA	6780'	6780'
				MORRISON	7070'	7070'