

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 ☐ GAS ☒ DRY ☐ OTHER ☐
WELL WELL WELL
b. TYPE OF COMPLETION: NEW ☒ WORK ☐ DEEP- ☐ PLUG ☐ DIFF. ☐ OTHER ☐
WELL OVER EN BACK RESVR
2. NAME OF OPERATOR
CORDILLERA ENERGY, INC.
3. ADDRESS AND TELEPHONE NO.
5802 HIGHWAY 64, FARMINGTON, NM 87401
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
14. PERMIT NO. DATE ISSUED
12. COUNTY OR PARISH SAN JUAN
13. STATE NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.
NMSF 078244
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME, WELL NO.
SOUTHERN UNION #1C
9. API WELL NO.
30-045-31069
10. FIELD AND POOL, OR WILDCAT
BASIN DAKOTA
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 19, T31N, R12W
15. DATE SPUDDED 7/15/2002
16. DATE T.D. REACHED 7/26/2002
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
CABLE TOOLS
24. PRODUCTION INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
6812' - 6896'
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% CaCl2, 1# sx cellophane.	18 bbl
7"	23# J55 LTC	4307'	8-3/4"	1st stage: 27bbl(75sx) (65/35 Cls B/Poz) w/2% CaCl2, 1/4# cph	Did not circ cmt.
				2nd stage: 180bbl(500sx) 65/35 Cls B/Poz) w/2% CaCl2, 1/4# cph	
4-1/2"	11.6# N80 LTC	6868' 6973'	6-1/4"	340sx(87bbl) 50/50 Poz w/2% gel, 5#sx Gils 1/4# sx cphane	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6854'	6782'

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6854'	6782'

31. PERFORATION RECORD (Interval, size and number)
6812' - 6896' 0.38 20 shots 1 jspl
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
6812' - 6896' 2000 gal 15% HCL, frac w/41,500 gal & 64,230# 20/40 RCS @ 40bpm

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS Shut In (Producing or 7 DAY SIP 1032# shut-in)
	flowing	
DATE OF TEST 8/21/2002	HR'S TESTED 3	CHOKE SIZE AOF
PROD'N FOR TEST PERIOD	OIL—BBL TRACE	GAS—MCF 19
WATER—BBL .07		
FLOW TUBING PRESS 10" WTR	CSG PRESS 870#	CALCULATED 24-HOUR RATE
OIL—BBL TRACE	GAS—MCF 439	WATER—BBL 1.67
		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

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 [Signature] TITLE PRODUCTION TECHNICIAN
DATE AUG 29 2002
FARMINGTON FIELD OFFICE

*(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.

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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.
	NAME	MEAS. DEPTH	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'