

CORRECTED COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

(See other instructions
on reverse side)

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐ OTHER ☐				5. LEASE DESIGNATION AND SERIAL NO. SF078243	
b. TYPE OF COMPLETION: NEW ☒ WORK ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ☐ 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 (505) 632-8056				8. FARM OR LEASE NAME, WELL NO. ARNSTEIN 1B	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2460' FNL & 660' FWL - UL "D" At top prod. interval reported below Same At total depth Same				9. API WELL NO. 30-045-31029	
14. PERMIT NO. DATE ISSUED				10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA	
15. DATE SPUDDED 6/6/2002				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 18, T31N, R12W	
16. DATE T.D. REACHED 6/17/2002				12. COUNTY OR PARISH SAN JUAN	
17. DATE COMPL. (Ready to prod.) 7/23/2002				13. STATE NEW MEXICO	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5840' GR				19. ELEV. CASINGHEAD 5840'	
20. TOTAL DEPTH, MM & JJJ 6870'		21. PLUG, BACK T.D., MD & TTT 6829'		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) 6696' - 6747' DK				25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/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	273' 253'	12-1/4"	25 bfw, 190sx CI B w/2% Cact2, 1/4# cellophane TOC 6812'	18 bbl
7"	20# J55	4173'	8-3/4"	180bbl(500sx) Halliburton Lite w/2% Cact2, 1/4# Cellophane	
				6% gel, 5#sx gilsonite, 144bbl fresh wtr displacement	17 bbl
4-1/2"	11.60#	6870'	6-1/4"	270sx(69bbl) 50/50Poz w/2% gel, 5#sx gilsonite, 1/4#sx cellophane	
				0.6% Halad9, 0.1% HR5, 6.44gal/sx wtr @13.5ppg, 5bfbw, 100bbl 2% KCL	
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) 6696' - 6747' 0.38 19 (DK)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED		
			6696' - 6747' 1250 gal 15% HCL, 29-7/8" RCN ball sealers, 81,426 gal Slick Water		
			77,501# Mesh Super LC Sand		
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) shut-in
DATE OF TEST 8/6/02	HR'S TESTED	CHOKE SIZE 0.500	PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF
FLOW TUBING PRESS 32#	CSG PRESS 720#	CALCULATED 24-HOUR RATE	OIL—BBL -0-	GAS—MCF 245 mcf	WATER—BBL 1.0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented				TEST WITNESSED BY James Kirby	
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 Kay Stein TITLE PRODUCTION TECHNICIANDATE AUG 19 2002

*(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

FARMINGTON FIELD OFFICE

IMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and series).

38. GEOLOGIC MARKERS				
PRIMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and values).	DESCRIPTION, CONTENTS, ETC.			
	TOP	BOTTOM		
LOCATION	NAME		MEAS. DEPTH	TRUE VERT. DEPTH
	OJO ALAMO		1415'	
	KIRTLAND		1565'	
	PICTURED CLIFFS		2060'	
	CLIFF HOUSE		3730'	
	MENELEE		4030'	
	POINT LOOKOUT		4515'	
	GALLUP		5920'	
	DAKOTA		6660'	