

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Submit in Duplicate*
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY WELL <input type="checkbox"/> OTHER <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. SF078464	
b. TYPE OF COMPLETION: NEW <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME 1: 47	
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. WILLIAMS #1C	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2020' FNL & 820' FWL - UL "E" At top prod. interval reported below same At total depth same				9. API WELL NO. 30-045-31070	
14. PERMIT NO.				DATE ISSUED	
15. DATE SPUDDED 07/02/2002				16. DATE T.D. REACHED 07/13/2002	
17. DATE COMPL. (Ready to prod.) 09/13/2002				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5800' GR	
19. ELEV. CASINGHEAD				12. COUNTY OR PARISH SAN JUAN	
20. TOTAL DEPTH, MM & JJJ 6822'				21. PLUG, BACK T.D., MD & TTT 6792'	
22. IF MULTIPLE COMPL., HOW MANY? 2				23. INTERVALS DRILLED BY X	
24. PRODUCTION INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4518' - 4668' MV				25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN IND/GR/CAL/DEN/NEUT/CMT				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	275'	12-1/4"	1st: 147bbl(75sx)65/35ClB/Pozw/2%CaCl2, 1/4#celloph	circ 18 bbl
7"	23# J55 LTC	4130'	8-3/4"	2nd: 180bbl(500sx)65/35ClB/Pozw/2%CaCl2, 1/4#cello	TOC: 5164'
4-1/2"	11.6# LTC	6821'	6-1/4"	461sx(122bbl)50/50Poz w/2%gel, 5#sxGilsonite, 1/4#cel	circ 23 bbl to pit
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2-3/8"	6676.49' KB	4692.42' KB			
31. PERFORATION RECORD (Interval, size and number)					
4518 - 4520'	4624' - 4625'	0.38	29 shots total		
4535' - 4538'	4631' - 4632'				
4572' - 4573'	4652' - 4663'				
4595' - 4597'	4666' - 4668'				
4605' - 4606'					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
4518' - 4668'		Acidize 4518' - 4668' w/2,500 gal 15% HCL @ 6 bpm			
		Frac w/98,000 gal xlink wtr, 50,500# 20/40 RCS & 50,500# 20/40 RCS			
		w/activator @ 62 bpm			
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow			WELL STATUS (Producing or shut-in) SI
DATE OF TEST 09/11/02	HR'S TESTED 3	CHOKE SIZE 1.250	PROD'N FOR TEST PERIOD	OIL—BBL -0-	GAS—MCF 217
WATER—BBL -0-	GAS-OIL RATIO N/A				
FLOW TUBING PRESS 735# (DK SI)	CSG PRESS 482#	CALCULATED 24-HOUR RATE	OIL—BBL -0-	GAS—MCF 1737	WATER—BBL -0-
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Test through Separator					TEST WITNESSED BY SEP 17 2002
35. LIST OF ATTACHMENTS Deviation Survey					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED <i>Ray Schuler</i>			TITLE PRODUCTION TECHNICIAN		
			DATE September 12, 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.

FARMINGTON FIELD OFFICE

WILLIAMS 1C

37. 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)

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
IFF HOUSE C/DK	3645' 2050'	3645' 6610'	WATER WATER & GAS	OJO ALAMO	398'	398'
				KIRTLAND	1400'	1400'
				PICTURED CLIFFS	2050'	2050'
				CLIFF HOUSE	3645'	3645'
				MENEFEE	3950'	3950'
				POINT LOOKOUT	4440'	4440'
				DAKOTA	6610'	6610'