

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY WELL ☐ OTHER ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ☐ OTHER ☐

2. NAME OF OPERATOR
CORDILLERA ENERGY, INC.

3. ADDRESS AND TELEPHONE NO.
5802 HIGHWAY 64, FARMINGTON, NM 87401 (505) 632-8056

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

5. LEASE DESIGNATION AND SERIAL NO.
SF078243

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
ARNSTEIN 1B

9. API WELL NO.
30-045-31029

10. FIELD AND POOL, OR WILDCAT
BLANCO MESAVERDE

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 18, T31N, R12W

12. COUNTY OR PARISH
SAN JUAN

13. STATE
NEW MEXICO

15. DATE SPUDDED
6/6/2002

16. DATE T.D. REACHED
6/17/2002

17. DATE COMPL. (Ready to prod.)
7/23/2002

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)
4544' - 4754'

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'	12-1/4"	25 bfw, 190sx Cl B w/2% Cact2, 1/#sx cellophane	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, 5bfw, 100bbl 2% KCL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a	Produce MV up Csg	6631'

31. PERFORATION RECORD (Interval, size and number)

4544' - 4754'	0.38	31 perfs
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32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4544' - 4754'	2500 gal 15% HCL, 47-7/8" solid ball sealers
	132,957 gal Slick Water, 134,000# Mesh Super LC Sand

3. 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
6/15/2002

HR'S TESTED
24

CHOKE SIZE
1.250

PROD'N FOR TEST PERIOD

OIL—BBL
-0-

GAS—MCF
2684

WATER—BBL
20

GAS-OIL RATIO
n/a

LOW TUBING PRESS

CSG PRESS
165#

CALCULATED 24-HOUR RATE

OIL—BBL
-0-

GAS—MCF (vented)
2684

WATER—BBL
20

OIL GRAVITY—API (CORE.)
n/a

4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

TEST WITNESSED BY
James

5. LIST OF ATTACHMENTS

6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED *Ray Schuster* TITLE PRODUCTION TECHNICIAN

ACCEPTED FOR RECORD
AUG 29 2002
FARMINGTON FIELD OFFICE
BY *JE*

17. 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
				OJO ALAMO	1415'	1415'
				KIRTLAND	1565'	1565'
				PICTURED CLIFFS	2060'	2060'
				CLIFF HOUSE	3730'	3730'
				MENEFEE	4030'	4030'
				POINT LOOKOUT	4515'	4515'
				GALLUP	5920'	5920'
				DAKOTA	6660'	6660'