

RECEIVED  
SUBMIT IN DUPLICATE\*  
(See other in-  
structions on  
over 9 side)

FORM APPROVED  
OMB NO. 1004-0137

Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL -3 AM 9:29

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

070 Farmington, NM

5. LEASE DESIGNATION AND SERIAL NO.

NM 26357

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Morton #4

9. API WELL NO.

30-045-31214

10. FIELD AND POOL OR WILDCAT

Harper Hill FS/PC

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

Sec. 23-30N-14W

1a. TYPE OF WORK

OIL WELL ☐ GAS WELL ☒ DRY ☐

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR

Calpine Natural Gas Limited Partnership

3. ADDRESS AND TELEPHONE NO.

1200 17th St. Suite 770, Denver Colorado 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

1650' FSL & 1695' FWL

At top prod. Interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

10/23/2002

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUNDED

11/09/02

16. DATE T.D. REACHED

11/14/02

17. DATE COMPL. (Ready to prod.)

06/11/03

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5715' KB

19. ELEV. CASINGHEAD

5713

20. TOTAL DEPTH, MD & TVD

1540

MD

1540

TVD

1496

MD

1496

TVD

21. PLUG, BACK T.D., MD & TVD

TD

MD

1496

TVD

22. IF MULTIPLE COMPL., HOW MANY\*

2

23. INTERVALS

DRILLED BY

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ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Harper Hill FS/PC (1371-1374)

26. TYPE ELECTRIC AND OTHER LOGS RUN

High Resolution Induction Log, Spectral Density Dual Spaced Neutron Log

25. WAS DIRECTIONAL SURVEY MADE

YES

27. WAS WELL CORED

NO

23. 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
7"	20	130	8 3/4"	59 CF Class B	
4 1/2" J-55 ST&C	10.5	1519	6 1/4"	268 CF 2% Ecololite plus 59 CF Class B	

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"	1392	

31. PERFORMANCE RECORD (Interval, size and number)

INTERVAL 1371-1374 SIZE 0.34 NUMBER 6

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1371-1374	Frac'd w/ 17250# 20/40 & 255 BF

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
		Pumping 2" x1 1/2" X 10 Top Hold down pump					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO	
6/15/2003	24	0.625	→	0	15	37		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)		
110	290	→			15	37		

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

To be sold

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

TITLE Production Manager

JUL 03 2003

FARMINGTON FIELD OFFICE 7/1/2003

\*(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.

NMOCD

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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
Ojo Alamo	Surface					
Top Fruitland	902			Top Fruitland	902	902
Upper Fruitland Coals	1236			Upper Fruitland Coals	1236	1236
Lower Fruitland Coal	1337			Lower Fruitland Coal	1337	1337
Pictured Cliffs	1353			Pictured Cliffs	1353	1353
TD	1540					