

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*  
(See other in-  
structions on  
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WORK

OIL

WELL ☐

GAS

WELL ☒

Other

1b. TYPE OF WELL

NEW

WELL ☐

WORK

OVER ☐

DEEP-

EN ☐

PLUG

BACK ☐

DIFF.

RESVR. ☒

Other

2. NAME OF OPERATOR

Calpine Natural Gas Limited Partnership

3. ADDRESS AND TELEPHONE NO.

1200 17th St. Suite 770, Denver Colorado 80202

720-359-9144

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

At Surface

1810' FSL & 1100' FEL

At top prod. Interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUDDED

07/18/83

16. DATE T.D. REACHED

07/25/83

17. DATE COMPL. (Ready to prod.)

05/29/03

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

5716' KB

19. ELEV. CASINGHEAD

5704

20. TOTAL DEPTH, MD & TVD

6250

MD

6250

TVD

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

ID

2690

MD

2690

TVD

22. IF MULTIPLE COMPL., HOW MANY\*

2

23. INTERVALS

DRILLED BY

----->

ROTARY TOOLS

0-TD

CABLE TOOLS

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

Fruitland Coal (1384-1400 & 1282-1290)

25. WAS DIRECTIONAL SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron Density, Induction Electric Log

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 |
|-------------------|-----------------|----------------|-----------|---------------------------------------|---------------|
| 8 5/8             | 36-24           | 216            | 12 1/4    | 141 CF Class B                        |               |
| 4 1/2" J-55 ST&C  | 11.6            | 6241           | 7 7/8     | 455 CF 50-50 Poz plus 1592 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" | 1464           |                 |

31. PERFORMANCE RECORD (Interval, size and number)

| INTERVAL  | SIZE | NUMBER |
|-----------|------|--------|
| 1384-1400 | 0.34 | 32     |
| 1282-1290 | 0.34 | 32     |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                             |
|---------------------|--------------------------------------------------------------|
| 1384-1400           | Frac'd w/ 57750# 20/40 + 849 bbls. Fluid                     |
| 1282-1290           | Frac'd w/ 5000# 40/70 and 35,000# 20/40 sd & 512 bbls. Fluid |

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--BBLs. | GAS--MCF. | WATER--BBL. |                                    | GAS-OIL RATIO |
| 6/2/2003              | 24              | 0.625                                                                 | →                       | 0          | 55        | 115         |                                    |               |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                               | OIL--BBL.               | GAS--MCF.  |           | WATER--BBL. | OIL GRAVITY-API (CORR.)            |               |
| 80                    | 220             | →                                                                     |                         | 55         |           | 115         |                                    |               |

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

To be sold

TEST WITNESSED BY

Paul Thompson

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

ACCEPTED FOR RECORD

DATE

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.

NMOCOD

FARMINGTON FIELD OFFICE  
BY

| 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. | <div>NAME</div> <div>MEAS. DEPTH</div> <div>TRUE VERT. DEPTH</div> |
| Ojo Alamo                                                                                                                                                                                                                                           |                      |      |        |                             |                                                                    |
| Top Fruitland                                                                                                                                                                                                                                       | Surface              | 925  |        |                             | 925                                                                |
| Upper Fruitland Coals                                                                                                                                                                                                                               |                      | 1282 |        |                             | 1282                                                               |
| Lower Fruitland Coal                                                                                                                                                                                                                                |                      | 1384 |        |                             | 1384                                                               |
| Pictured Cliffs                                                                                                                                                                                                                                     |                      | 1402 |        |                             | 1402                                                               |
| TD                                                                                                                                                                                                                                                  |                      | 6250 |        |                             |                                                                    |

**Well Name: Morton #2**

Date: 6/23/2003

**Operator:** Calpine Natural Gas  
**Field:** Basin FC & Harper Hills  
**Location:** NESE Sec. 23-30N-14W  
**Footages:** 1810' FSL & 1100' FEL  
**County:** San Juan  
**State:** New Mexico  
**API No.:** 30-045-25766  
**Elevation :** 5703 GL, 5716 KB

**Spud Date:** 7/18/1983  
**First Prod.:**  
**IP:**

**Surface Hole:** 12 1/4"

**Surface Casing :** 8 5/8" 24#  
**Set at :** 216'  
**Cement:** 141 CF Class B with 2 %  
CaCl.  
**DV Tool :** 4275'

**Production Hole:** 7 7/8"

**Production Casing :** 4 1/2" 155 jts. J-55 11.6#  
**Set at :** 6241'  
**Cement:** 1st Stage 455 CF 50-50  
Poz, 2nd stage 1529 CF  
Class B with 2 %  
Econofill.

**Upper Fruitland**

4 SPF

**Perfs:** 1282-1290

Fraced with 5000# 40/70  
sand plus 30,000# 20/40  
sd. At 13 BPM. Total fluid

**Stimulation :** 512 bbls.

**PC and Basal Fruitland**

2 SPF

**Perfs:** 1384-1400

1409-1412

Fraced with 5000# 40/70  
sand plus 70,000# 20/40  
sd. At 15.2 BPM. Total

**Stimulation :** fluid 1102 bbls.

**Tubing:** 45 jts. 2 3/8" J-55  
**Set at:** 1464'

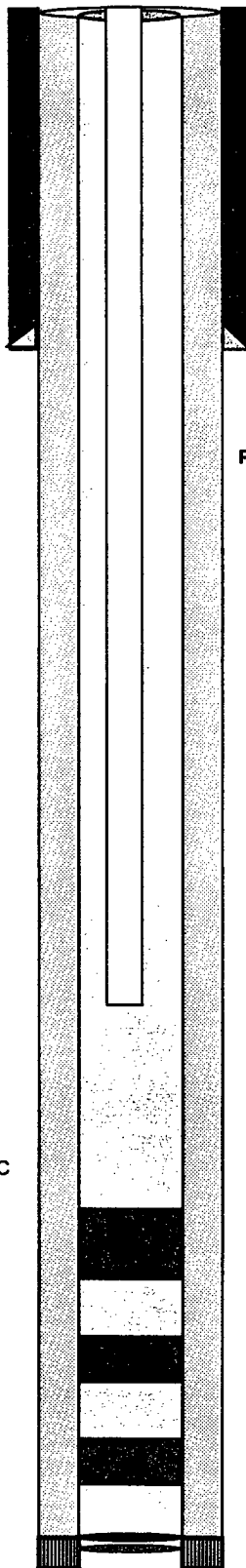
**SN:** 1429'

**Rods:** 50 3/4" rods  
and 2' pony rods  
22' Polished Rod

**Pump:** 2" x 1/2" x 12' RWAC

**PBTD:** 6182'

**TD:** 6250'



Spot 100 sx Across Mesa  
Verde. TOC @ 2690'.

Spot 15 sx across Gallup  
top

Spot 50 sx across Dakota  
Perfs.

**NMOCD**