

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

2003 FEB 10 PM 2:19  
C/O FARMINGTON, NM

SUBMIT IN TRIPLICATE

1. Type of Well

Oil ☐ Well Gas ☒ Well Other ☐

2. Name of Operator

Calpine Natural Gas Company, L.P.

3. Address and Telephone No.

1200 17th Street, Suite 770, Denver, CO 80202

720-359-9144

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1750 FNL & 1030' FEL  
Sec. 23-30N-14W

5. Lease Designation and Serial No.

NM 26357

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Morton #1

9. API Well No.

30-045-25506

10. Field and Pool, or Exploratory Area

Basin Fruit Coal Gas & Harper Hill FS/PC

11. County or Parish, State

San Juan County, New Mexico

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☒ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state pertinent details, and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See Attached information for recompletion into Basin Fruitland Coal Gas and commingle with Harper Hill FS/PC

PLEASE SUBMIT YOUR ALLOCATION METHADOLGY.

DHLC1004AZ

14. I hereby certify that the foregoing is true and correct

Signed Hugo Cartaya Title Production Manager Date 02/04/03

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

ACCEPTED FOR RECORD

FEB 14 2003

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.

\*See Instructions on Reverse Side

NMOC

**Morton #1**  
**San Juan County, N.M.**

- 07/07/01      Current Operations: Waiting to perforate PC. Killed well with 30 bbls. of water. RU completion rig. ND wellhead and NU BOP. Could not pull donut through BOPs. ND BOP and pulled donut. PU additional tubing and RIH to 6288'. Cemented Dakota with 50 sx. displaced with 14 bbls. water. TOH to 4988' and flush with water. WOC 3.5 hrs. NU BOPs. TIH and tag cement at 5817'. POH to 5382'. Cement across Gallup with 15 sx. of Class B. Displace with 13 bbls. water. POH to 4315'. Cement Mesa Verde with 100 sx. Class B. Displace with 7 bbls. water. TOH with tubing. Recovered 189 jts. Bottom 20 jts. were plugged with cement. SWI.
- 07/08/01      Current Operations: Waiting to frac. RU wireline. RIH and tagged cement top at 2256'. Ran GR/CCL from 1700' to 1100'. Perforated PC from 1532 to 1546 with 4 spf. SWI. Will frac 7/9/01.
- 07/10/01      Current Operations: Running tubing. RU American Energy. Test line. Bullhead 1000 gals. 15% HCL. Fraced PC with 57,900# 20/40 sand at 49 BPM. ISIP=500#, 5"=390#, 10"=300#, 15"=295#. Opened on 1/4" choke. Change to 2" choke. Well died. Unload and tally 2 3/8" tubing. TIH with tail joint, 4' perforated sub, SN and tubing. SDFN
- 07/11/01      Current Operations: Well on pump. SICP 50#. Finish TIH with tail joint, SN and 57 jts of 2 3/8" tubing. Did not tag sand. Tried to circulate hole with no returns. Laid down 8 jts of tubing. Land tubing at 1595.19. ND BOP and NU wellhead. Ran pump (2"x 1 1/2"x12'), sinker bars, 55 3/4" rods, and 16' polish rod. Well pumped up in 15 minutes. Left well pumping to the pit. RD and release rig. Final Report

**Morton #1**  
**San Juan County, N.M.**

- 12/20/02 Current Operations: Preparing to perforate. MIRU. Had to chain up to get to location. Blew down casing. Pulled polish rod, pony rods, 55 3/4" rods, 1 sinker bar and pump. ND wellhead and TOOH with 40 joints of tubing. SD for repairs. .
- 12/21/02 Current Operations: Starting pumping unit. Finish TOOH. RU wireline and perforate Fruitland Coal 1513-1527 with 4 SPF at 90 degree phasing. RD wireline. Ran 49 jts. of 2 3/8" tubing and landed at 1607'. Ran new 2" x 1 1/2" x 12' RWAC pump on 3 sinker bars, 55 plain 3/4" rods and 6', 2', and 3 4' pony rods. Spaced out the pump and hung off the rods. RD and released rig.
- 12/30/02 Current Operations: Preparing to Frac. MOL and rig up J.C. Well Service. Brought the rig up on the freeze. Blew the casing down. Pulled the polished rod, 6', 3 - 4', 2' pony rods, 55 plain 3/4" rods, 3 - 1" sinker bars and 2" X 1-1/2" X 12' RWAC pump. ND the wellhead and TOH with 49 joints of 2-3/8" tubing, 4' perf sub, and seating nipple. Removed the tubinghead and installed a 5000# frac valve. Rigged up Halliburton wireline and set a 4-1/2" CIBP at 1530' KB. MOTE heated 4 frac tanks to 80°F. Rigged down and moved the rig to the Roosevelt #1. Will frac 12/31/02.
- 12/31/02 Current Operations: Flowing well back. Rig up Halliburton. Hold safety meeting and pressure test lines. Pumped a 9,500 gal pad at 15 BPM and 580 psi. Shut down to repair hydraulic hose. Re-established the rate and fraced the basal coal with 5,000# of 40/70 Arizona and 50,000# of 20/40 Brady sand at 1-4 ppg in a 20# Delta frac fluid. Flushed sand to the top perf with 500 gal of 7-1/2% HCl and 12 bbl of water. Job completed at 0910 hrs 12/31/02. AIR = 15 BPM, MIR = 15 BPM, ATP = 590 psi, MTP = 628 psi. Total fluid = 833 bbls. Set frac plug at 1460' KB. Pressure test plug and casing to 2500# - OK. Perf upper coal at 1426 - 1434' KB with 32 (0.38") holes. Rig up frac crew. Pumped a 3,000 gal pad at 15 BPM and 1020 psi. Fraced the upper coal with 5,000# of 40/70 Arizona and 30,000# of 20/40 Brady sand at 1-4 ppg in a 20# Delta frac fluid. Flushed sand to 100' above the top perf with water. Dropped rate to 10 BPM during the 1 ppg 40/70 stage. Job completed at 1235 hrs 12/31/02. AIR = 10 BPM, MIR = 15 BPM, ATP = 900 psi, MTP = 1060 psi. Total fluid = 490 bbls. Rigged down Halliburton and installed flow back manifold. Opened well to the pit through a 1/4" choke at 1500 hrs with 300 psi. Left well flowing solid 2" stream of broken frac fluid.
- 1/2/03 Current Operations: Circulating hole clean. Rig up J C Well Service. Well was dead. Removed the frac valve and installed the tubinghead. Picked up a used 3-7/8" tri-cone bit and bit sub on 2-3/8" tubing. TIH and tagged sand at 1434' KB. Rigged up Weatherford air package and picked up the power swivel. Unloaded hole and cleaned out sand to frac plug at 1460' KB. Drilled the frac plug in 15 min. TIH and tagged fill at 1527' KB (3' of fill). Cleaned out sand and drilled CIBP (2-1/2 hrs). TIH to 1637' KB. Circulate hole clean. Pulled above the upper Fruitland Coal perfs and SDON.
- 1/3/03 Current Operations: Finish TOH. Laid down the bit sub and the bit. TIH with a tail joint, 4' perf sub, seating nipple, and 48 joints (1595.19') of 2-3/8" tubing and landed at 1607' KB. Nippled up the wellhead. Ran the same 2"X 1-1/2"X 12' RWAC pump on 3 sinker bars, 55 plain 3/4" rods, and 6', 2', and 3 - 4' pony rods. Spaced out the pump and hung off the rods. Well had built up 150 psi casing pressure. Started the pump jack and the well pumped up in 30 min. Left well pumping to the pit. Rigged down and released the rig. Trucked air package back to town.