

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

2003 JUN 12

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

070 Farmington, NM

5. Lease Designation and Serial No.  
NM 26357

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Morton #2

9. API Well No.

30-045-25766

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

**SUBMIT IN TRIPLICATE**

**1. Type of Well**

Oil Gas

☐ Well ☒ Well ☐ Other

**2. Name of Operator**

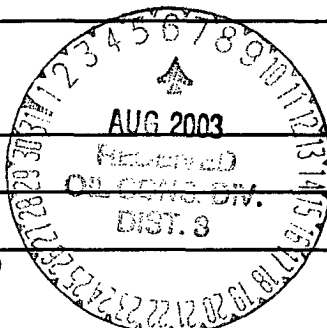
Calpine Natural Gas

**3. Address and Telephone No.**

1200 17th St., Suite 770, Denver, CO 80202

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

1810' FSL & 1100' FEL Sec. 23-30N-14W



**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 all 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.)\*

**Weekly Report**

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

Signed

Title OPERATIONS MANAGER

Date 06/10/03

(This space for Federal or State office use)

Approved by

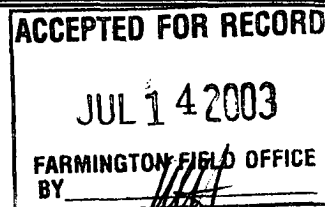
Title

Date

Conditions of approval, if any:

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



NMOCD

**Morton #2**  
**Basin Dakota Field**  
**Operator: Calpine Natural Gas Company**  
**Drilling Contractor: JC Well Service**  
**San Juan County, N.M.**

**WI - 100 %**  
**AFE: # 02-307**  
**Objective: Recompletion**

**NRI 69.25%**  
**AFE: \$154,960**

- 05/20/03      Current Operations: Reverse circulated hole w/ 45 bbls of water. Move on location and rig up LCE Well Service Rig #3. Blew well down and killed w/ 160 bbls of water. Did not establish circulation. ND wellhead and pulled the donut. Picked up additional tubing and tagged fill at 6116' KB. Pulled up to 6110' KB. Rigged up Halliburton. Pumped 50 sx (59 cu.ft.) of Cl "B" cement with 1/4#sx celloflake and 2% CaCl2 across the Dakota perms. Displaced cement w/ 12.5 bbls of water. POH w/ 29 jts to approximately 5177' KB. Loaded the hole and reverse circulated the hole clean w/ 45 bbls of water. Rigged down Halliburton and SDON.  
Daily Cost: \$5,116      Cum Cost: \$5,116
- 05/21/03      Current Operations: SI well to frac 5/23/03. TIH and tagged cement top @ 5258' KB. POH to 5241' KB. Rig up Halliburton. Pumped 15 sx (18 cu.ft.) of Cl "B" cement across the Gallup top. Displaced cement w/ 11.5 bbls of water. POH to 3888' KB. Loaded the hole and established circulation w/ water. Pumped 100 sx (118 cu.ft.) of CL "B" cement across the Point Lookout and Cliff House top. Displaced cement w/ 5 bbls of water. TOH with the remaining 1-1/2" tubing. Loaded the hole on the way out. Recovered 185 jts of 1-1/2" EUE w/ a SN and 4' 2-3/8" pup jt. Nippled down the tubing head and installed a 5000 psi frac valve. Loaded the hole and pressure tested to 1500 psi - held OK. Rigged up Halliburton wireline. Tagged cement top with the CBL tool @ 2690'. Ran CBL to the surface pipe. Marginal bond to approximately 1100' then poor bond to 700'. Free pipe from 700' to the surface. Perforated the Pictured Cliffs from 1409' - 12' w/ 2 spf (total of six 0.34" holes). Perforated the Basal Fruitland Coal from 1384'-1392' and 1393' - 1400' ( total of 30 - .34" holes). SI the well. Will frac 5/23/03. Rigged down and released the rig.  
Daily Cost: \$3,596      Cum Cost: \$8,712
- 05/23/03      Current Operations: Opened well to pit. Rig up Halliburton. Hold Safety Mtg & pressure test lines. Pumped a 12,000 gal pad at 20 BPM and 800 psi. Dropped the rate to 15 BPM. Frac'd the PC and basal coal w/ 5000# of 40/70 Arizona and 70,000# of 20/40 Brady sand at 1-4 ppg in a 20# Delta frac fluid. Flushed sand to 1320'. Job completed at 0925 hrs 5/23/03. AIR = 15.2 BPM, MIR = 20 BPM, ATP = 650 psi, MTP= 1000 psi. Total fluid = 1102 bbls. Set frac plug @ 1340' KB. Press test plug and csg to 3500# - OK. Perf upper coal @ 1282'-1290' KB @ 4 SPF w/ 32 (0.34") holes. Rig up frac crew. Pumped a 3000 gal pad @ 15 BPM and 1350 psi. Frac'd upper coal w/ 5000# 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 w/ water. Dropped rate to 13 BPM during the 1 ppg stage and to 10 BPM during the 3 ppg stage w/ no effect on the Nolte plot. Job completed @ 1245 hrs 5/23/03. AIR = 13.0 BPM, MIR = 15 BPM, ATP = 1250 psi, MTP = 1550 psi, total fluid = 512 bbls. Rigged down Halliburton and installed flow back manifold. Opened well to the pit through a 1/4" choke @ 1500 hrs w/ 700 psi. Left well flowing solid 2" stream of broken frac fluid.  
Daily Cost: \$76,185      Cum Cost: \$84,897
- 5/27/03      Current Operations: SI well overnight. Well dead. Rigged up JC Well Service. Nippled down the frac valve and nipped up the tbg head. Picked up a 3-7/8" bit & bit sub on 2-3/8" tbg. Tagged sand fill @ 1158' KB. Reverse circulated out frac sand to the frac plug @ 1340' KB. Picked up the swivel and drilled the frac plug. TIH to 1575' KB w/out tagging anymore fill. TOH and laid down the bit and bit sub. TIH w/ an open-ended tail jt, 4' perf sub, seating nipple and 45 additional jts (1453.04') of used 2-3/8", 4.7#, J-55 EUE 8rd tbg and landed @ 1464' KB. Seating nipple is @ 1429' KB. SI well  
Daily Cost: \$2,283      Cum Cost: \$87,180
- 05/29/03      Current Operation: Hung pump off rods. TIH w/ 2" x 1-1/2" x 12' RWAC-Z pump on 4-1/4" sinker bars, 50 - 3/4" rods and one 2' pony rod. Spaced out the pump and hung off the rods. Rigged down and released rig. Plan to set pump jack 5/31/03.  
Daily Cost: \$4,203      Cum Cost: \$91,383