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FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

NM 20314

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Roosevelt #1

9. API Well No.

30-045-26458

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan County, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

Oil ☐ Well Gas ☒ Well Other ☐

2. Name of Operator

Calpine Natural Gas

3. Address and Telephone No.

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

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

1850' FSL & 790' FEL Sec. 22-T30N-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 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.)*

Calpine is proposing to cement the tubing in place and revise the testing procedure.
Proposed procedure and testing schedule is attached.

- Based on the inability to effectively seal casing leaks from 160' to 2400' and the failure to properly isolate the frontland & Piedmont Cl. M. Pres., your application is denied

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

Signed Hugo Cartaya Hugo Cartaya

Title Production Manager

Date 01/27/03

(This space for Federal or State office use)

Approved by Denied

Title Petr. Eng.

Date 2/14/03

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

NMCCD

Roosevelt #1

Procedure for cementing tubing inside casing

- Rerun a cement bond log on the 4-1/2" well casing to confirm the bond and the top of cement,
- Rerun the pressure test below 2560' to confirm the mechanical integrity of the well below this depth,
- Perforate the well in the Point Lookout (3735'-3830') and Cliff House (2802'-2895') Formations,
- Install 2-7/8" tubing with a packer and seating nipple to 2752' (50' above the top perforation),
- Cement the tubing to surface inside the well casing,
- Clean out tubing.
- Run a cement bond log inside the 2-7/8" tubing.

Proposed Testing Procedure

- With the seating nipple installed, a slick line conveyed tool will be seated at the base of the tubing.
- Pressure will then be applied to assess the mechanical integrity of the tubing to a minimum of 600# surface pressure for 30 minutes. This exceeds the 560# surface injection pressure on the permit as per the EPA guidance document.
- This mechanical integrity test will be performed every six months, rather than the less frequent requirement for standard completion Class II injection wells.