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070 Farmington, NM

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

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

Basin Dakota

11. County or Parish, State

San Juan County, New Mexico

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

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 Street, Suite 770, Denver, CO 80202

720-359-9144

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 Requirements
☐ 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 requests permission to modify requirement to place surface plug from 268' to surface inside and outside the 4 1/2" casing.

Annular space outside the 4 1/2" casing was cemented on 11/11/02. While attempting to squeeze holes in casing cement was circulated to surface. Ten barrels of good cement was circulated to surface. Attached are the reports for that date.

Calpine requests permission to place only the inside plug.

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

Signed Hugo Cartaya

Title Production Manager

Date 05/14/03

(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

ACCEPTED FOR RECORD

MAY 20 2003

FARMINGTON FIELD OFFICE
JWC

NAAC

WORKOVER AND COMPLETION REPORT

Operator:	Calpine Natural Gas	Well Name:	Roosevelt #1
Date:	10-Nov-02	Report #:	5
Field:	Basin DakotaMV SWD	Location:	22/30N/14W County: San Juan State: NM
Contractor:	JC Well Service	Supervisor:	Paul Thompson

Work Summary:

Halliburton bulk truck got stuck driving to location. Waited on dozer operator to pull trucks to location. Rigged up Halliburton to the casing valve. Established circulation through the bradenhead with 12 bbls of water. Pumped 560 sx (823 cu.ft.) of CI "B" 50:50 poz with 3% gel, 5#/sk gilsonite, 0.8% Halad - 9, and 0.2% CFR-3. Lost full returns with 80 bbls of cement gone. Slowed rate to 1 bpm and re-established full returns. Circulated 10 bbls of good cement to surface. Displaced cement with 5 bbls of water at 1 bpm and 100 psi, then SI the bradenhead valve. Pumped 3.75 bbls and pressure increased to 320 psi. SD for 15 min. pressure dropped to 55 psi. Pumped another 2.75 bbls and pressure increased to 340 psi. SD for 15 min and pressure dropped to 54 psi. Pumped 3.5 bbls and pressure increased to 400 psi. Pressure was slowly dropping. Total displacement was 15 bbls (TOC in 4-1/2" is at approximately 970'). SI well and rigged down Halliburton. WOC overnight.

Daily Costs:

Road & Location		Tubulars	
Rig Costs		Wellhead Equipment	
Equipment Rental (BOP)	\$150	Subsurface Equipment	
Logging & Perforating		Artificial Lift Equipment	
Stimulation solvent		Sucker Rods	
Testing		Tanks	
Cementing	\$11,597	Bailer	
Completion Fluids (City water)	\$300	Flowlines	
Contract Services		Installation/Labor	
Miscellaneous Supplies		Fittings, Valves, Etc..	
Engr. & Supervision	\$408	Meters, Lact, Etc..	
Slick line		Electrical Equipment	
Other (csg. head)			
		Total Daily Costs	\$12,455
		Cumulative Costs	\$34,296

Well Record

TD:	6159	Run in well			
PBTD:	6096	Tubing	Joints	Grade	
Casing Size:	4-1/2", 11.6#	Wt	Thread	Length	
		Tubing Subs		Length	
Perforations	5891' - 6046'	Seating Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at:			
SPF:	1 spf	Rods	Size		
		Rods	Size		
Pulled from well		Pony subs			
Tubing	187 jts 2-3/8", 4.7#, EUE & SN	Pump			
Packer		Packer Depth			
Rods		Type			
Pump		How set			

Roosevelt #1
Basin Fruitland Coal Gas Field
Operator: Calpine Natural Gas Company
Drilling Contractor: JC Well Service
San Juan County, NM.

WI: 100 %
AFE: 01-344
Objective: Convert to SWD
Spud Date: 11/06/02

NRI: 69.25%
AFE: \$246,500

- 11/07/02 Current Operations: Move on location and rig up. Move on location and rig up JC Well Service. Blew well down. ND wellhead and NU BOP. Pulled the donut and loaded the hole with 80 bbls of city water. Circulated the hole clean with another 40 bbls. Picked up additional tubing from Walsh stock and tagged fill at 6,010' KB. Pulled up to 5,989' KB. Rigged up Halliburton. Established circulation and spotted a 50 sx (59 cu.ft.) of Cl "B" cement with 1/4#/sk celloflake across the Dakota perms. Displaced cement with 19 bbls of water. TOH to 5,111'. Established circulation with fresh water and cemented across the Gallup with 15 sx (18 cu.ft.) of Cl "B" cement. Displace cement with 17.5 bbls of water. Finished TOH. Recovered a total of 186 jts, SN and tail joint of 2-3/8", 4.7#, J-55, EUE tubing. Tubing appears to be in good shape. SI well overnight to WOC. Will run CBL and perforate the Point Lookout tomorrow.
Daily Cost: \$82,437 Cum Cost: \$82,437
- 11/08/02 Current Operations: Spotting Gallup plug. Rig up Halliburton logging. Finish laying down 2-3/8 out of the derrick. Rig up Halliburton logging. TIH with CBL tool. Tagged cement top at 5,407'. The plug across the Gallup was not there. Loaded the hole and ran the CBL from 5,407' to 2,000'. Good bond across the Mesa Verde and top of cement is at approximately 2,438'. Top MV perf is at 2,803'. Rig down Halliburton. Pick up 162 jts of 2-3/8" and set at 5,111' KB. Plan to spot cement across the Gallup again tomorrow.
Daily Cost: \$5,606 Cum Cost: \$88,043
- 11/10/02 Current Operations: Continue to squeeze. Rigged up Three Rivers pump truck and loaded the hole. SI the rams and established an injection rate of 1/2 BPM with 0 psi. Opened bradenhead valve and established circulation. Picked up a Halliburton tension set packer and isolated holes in the 4-1/2" casing between 160' and 2,560'. Because of circulating pressures, major holes are estimated to be between 1,600' and 1,900'. Pressure tested casing below 2,560' to 2,000 psi - held OK. TOH and laid down the packer. Rigged up Halliburton pump truck and waited on cement. Shut down at 1,700 hrs due to darkness and rain. Will squeeze 11/10/02.
Daily Cost: \$4,647 Cum Cost: \$92,690
- ★ 11/11/02 Current Operations: Prepare for frac. Halliburton bulk truck got stuck driving to location. Waited on dozer operator to pull trucks to location. Rigged up Halliburton to the casing valve. Established circulation through the bradenhead with 12 bbls of water. Pumped 560 sx (823 cu.ft.) of Cl "B" 50:50 poz with 3% gel, 5#/sk gilsonite, 0.8% Halad - 9, and 0.2% CFR-3. Lost full returns with 80 bbls of cement gone. Slowed rate to 1 bpm and re-established full returns. Circulated 10 bbls of good cement to surface. Displaced cement with 5 bbls of water at 1 bpm and 100 psi, then SI the bradenhead valve. Pumped 3.75 bbls and pressure increased to 320 psi. SD for 15 min. pressure dropped to 55 psi. Pumped another 2.75 bbls and pressure increased to 340 psi. SD for 15 min and pressure dropped to 54 psi. Pumped 3.5 bbls and pressure increased to 400 psi. Pressure was slowly dropping. Total displacement was 15 bbls (TOC in 4-1/2" is at approximately 970'). SI well and rigged down Halliburton. WOC overnight.
Daily Cost: \$12,455 Cum Cost: \$105,145
- 11/12/02 Current Operations: Drilling out cement. Set and filled workover pit. Picked up a 3-7/8" step mill on 4 - 3-1/8" DC. TIH and tagged cement at 824'. Picked up power swivel and drilled soft to medium hard cement to 1,464'. Pulled 5 joints and SDON.
Daily Cost: \$2,767 Cum Cost: \$107,912
- 11/13/02 Current Operations: Drilling out cement. Continued to drill soft cement to 1,883'. TIH to 2074'. Drilled soft cement from 2,074' to 2,232'. TIH to 2,560' without tagging any more cement. Circulated hole clean with 65 bbls of fresh water. Started TOH with tubing. Pulled 16 jts and SDON.
Daily Cost: \$2,167 Cum Cost: \$110,079