

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 reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals

2001 JUL 19 PM 1:32

070 Farmington, NM

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Calpine Natural Gas Company

3. Address and Telephone No. C/O Walsh Engineering & Production Corp.  
7415 East Main, Farmington, NM 87402 505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1750' FNL & 1030' FEL, Section 23, T30N, R14W

5. Lease Designation and Serial No.  
NM-26357

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Well Name and No.  
Morton #1

API Well No.  
30-045-25506

10. Field and Pool, or Exploratory Area  
Basin DK/Twin Mounds PC

11. County or Parish, State  
San Juan County, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☒ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other MIT Test

- ☐ 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.)\*

Rig up JC Well Service. ND wellhead and NU BOP. Could not pull donut through the BOPs. ND BOP and pulled the donut. Picked up additional tubing and RIH to 6288' KB. Cemented Dakota with 50 sx (59 cu.ft.) of CL "B" neat cement. Displaced cement with 14 bbls of water. TOH to 4988' and flush tubing with water. WOC 3.5 hrs. NU BOPs. TIH and tagged cement at 5817' KB. Load hole with fresh water. POH to 5382'. Cement across Gallup with 15 sx (18 cu.ft.) of CL "B" cement. Displace cement with 13 bbls of water. POH to 4315'. Cement Mesa Verde with 100 sx (118 cu.ft.) of CL "B" cement. Displace cement with 7 bbls of water. TOH with the remaining tubing. Rig up Jet West Wireline. RIH and tag cement top at 2256' KB. Recomplete Pictured Cliffs according to the attached treatment report.

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

Signed Paul C. Thompson Title \_\_\_\_\_

Agent

Date

July 16, 2001

(This space for Federal or State office use)

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

Title

Date

AUG 08 2001

FARMINGTON FIELD  
BY MW

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.

NMOCD

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## FRACTURE TREATMENT REPORT

Operator: Calpine Natural Gas Company Well Name: Morton #1  
Date: 9-Jul-01  
Field: Twin Mounds Pictured Cliffs Location: 23/30N/14W County: San Juan State: NM  
Stimulation Company: American Energy Services Supervisor: Paul Thompson

Stage #: 1/1

Sand on location (design): 60,000# Weight ticket: 60,200 Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 2 Strap: 20 Amount: 800 Usable: 720

### Perforations:

Depth: 1532' - 1546' Total Holes: 56 PBTD: 2256'  
Shots per foot: 4 spf EHD: 0.34"

### Breakdown:

Acid: 1000 gal 15% HCl  
Balls: None  
Pressure: 450 psi Rate: 2.0 bpm

### Stimulation:

ATP: 1,050# AIR: 49 bpm Saw break at 1250 psi during the pad.  
MTP: 1,200# MIR: 50.0 bpm

	Sand Stage	Pressure	Breaker test:
ISIP: 500#	pad	1090#	
5 min: 390#	1 ppg	1055#	
10 min: 300#	2 ppg	1060#	
15 min: 295#	3.0 ppg	1020#	
	4.0 ppg	1000#	

Job Complete at: 1315 hrs hrs. Date: 7/9/01 Start flow back: 1330 hrs 7/9/01

Total Fluid Pumped: 710 bbls

Total Sand Pumped: 57,900 Total Sand on Formation: 57,900

Total Nitrogen Pumped: None

### Notes:

All fluid was City water with 25#/1000 gal of borate cross-linked gel, biocide, enzyme breaker, oxidizer breaker, and surfactant. Gel was pre-mixed in the tanks.

Signature Paul C. Thompson