

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

WELL API NO. 30-045-26184	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. NM 15272	
Lease Name or Unit Agreement Name: Coolidge Com	
8. Well No. #1	9. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator  
Calpine Natural Gas Company, L.P.

3. Address of Operator  
1200 17th Street, STE 770, Denver, CO 80202

4. Well Location  
Unit Letter A : 950 feet from the North line and 1190 feet from the East line  
Section 22 Township 30N Range 14W NMPM County San Juan

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Recomplete and downhole commingle <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

*NAC 1005/AZ*  
Calpine is proposing to abandon the Dakota formation and recomplete into the Harper Hills and Basin Fruitland Coal Gas formation. The formations will be commingled down hole.  
Division Order : 11363

Names of Commingled Pools : Basin Fruitland Coal Gas and Harper Hills *Fruitland sand/Pictured Cliffs*

Perforated Intervals: Harper Hills *(78160)* 1315-1325 (proposed) Basin Fruitland Coal *71629* 1296-1308 (proposed)

Allocation Method : We will submit historical averages of of production from Pictured Cliffs wells from surrounding sections and compare that with the historical average production of commingled Pictured Cliffs and Fruitland Coal production and propose an allocation formula based on the average differences.

Commingling of the two formations will not reduce the total value of the total remaining production.

Calpine has sent a sundry notice to the BLM of the proposed action.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Hugo Cartaya* TITLE Production Manager DATE 11/27/02

Type or print name Hugo Cartaya Telephone No. (720) 946-1302

(This space for State use)

APPROVED BY *Original Signed by STEVEN N. HAYDEN* DEPUTY OIL & GAS INSPECTOR DIST. 50  
Conditions of approval, if any: TITLE DATE *DEC - 5 2002*

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
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Form C-102  
Revised August 15, 2000  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-045-26184</b>	<sup>2</sup> Pool Code <b>86620</b>	<sup>3</sup> Pool Name <b>TWIN MOUNDS PICTURED CLIFFS</b>
<sup>4</sup> Property Code <b>030437</b>	<sup>5</sup> Property Name <b>COOLIDGE COM</b>	
<sup>7</sup> OGRID No. <b>214274</b>	<sup>8</sup> Operator Name <b>CALPINE NATURAL GAS COMPANY, L.P.</b>	<sup>6</sup> Well Number <b>#1</b>
		<sup>9</sup> Elevation <b>5681'</b>

<sup>10</sup> Surface Location

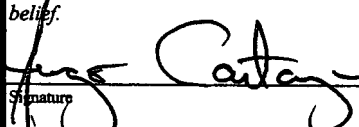
UL or lot no. <b>A</b>	Section <b>22</b>	Township <b>30N</b>	Range <b>14W</b>	Lot Idn	Feet from the <b>950'</b>	North/South line <b>FNL</b>	Feet from the <b>1190'</b>	East/West line <b>FEL</b>	County <b>San Juan</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres <b>160</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Hugo Cartaya Printed Name Production Manager Title 11/14/02 Date
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-26184	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 030437	<sup>5</sup> Property Name COOLIDGE COM	<sup>6</sup> Well Number #1
<sup>7</sup> OGRID No. 214274	<sup>8</sup> Operator Name CALPINE NATURAL GAS COMPANY, L.P.	<sup>9</sup> Elevation 5681'

<sup>10</sup> Surface Location

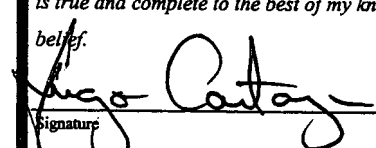
UL or lot no. A	Section 22	Township 30N	Range 14W	Lot Idn	Feet from the 950'	North/South line FNL	Feet from the 1190'	East/West line FEL	County San Juan
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Hugo Cartaya Printed Name Production Manager Title 11/14/02 Date
				<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>
				Date of Survey Signature and Seal of Professional Surveyor:
				Certificate Number

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 15272

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Coolidge Com #1

9. API Well No.

30-045-26184

10. Field and Pool, or Exploratory Area

Dakota Basin

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)**

950' FNL & 1190' FEL Sec. 22-30N-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.)**

Calpine is proposing to abandon the existing Dakota formation in the subject well and recomplete into the Twin Mounds Picture Cliff formation and the Basin Fruitland Coal. The gas will be commingled downhole.

Attached is the proposed procedure to abandon the existing zone and recomplete into the Twin Mounds PC and Basin Fruitland Coal formations.

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

Signed

Title OPERATIONS MANAGER

Date 10/29/02

(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

**Recompletion Procedure for  
Calpine Natural Gas Company  
Coolidge Com #1**

Location: NE/4 Sec 22 T30N R14W  
San Juan County, NM

Date: October 28, 2002

Field: Basin Dakota

Recomplete in Twin Mounds PC and Basin Fruitland Coal

Surface: BLM

Minerals: BLM NM-15272

Elev: GL 5671'

KB 5681'

4-1/2" @ 6183'

DV Tool @ 4211'

DK Perfs 5912' - 6051'

**Plug Dakota Procedure:**

1. Dig workover pit. Set and fill 2 frac tanks with city water and heat to 80 degrees. Check for anchors. Set pump jack. MOL and RU completion rig. Hold safety meeting.
2. NU 2-3/8" relief line. Blow well down and kill with water if necessary.
3. ND tubing head and pull tubing slips. NU BOP. Pick up additional joints (132' - 4 jts) of 1-1/2" EUE tubing and TIH to approximately 6073' KB. The 1-1/2" tubing is currently landed at 5941' KB.
4. **Pump Plug #1 - Dakota.** Spot 50 sx (59 cu.ft.) of Cl "B" neat cement from 6073' to approximately 5751'. Cement is designed to cover from the base of the Dakota perfs to 100' above the top Dakota perf with 100% excess.
5. TOH (standing back) 1-1/2" EUE tubing to approximately 5300' KB and WOC 4 hrs. TIH and verify cement top.
6. Load hole with water. TOH (laying down) to approximately 5152' KB.
7. **Pump Plug #2 - Gallup** Spot 15 sx (18 cu.ft.) of Cl "B" neat cement from approximately 5152' KB to approximately 5002'. Cement is designed to cover 100' above and below the Gallup top.
8. TOH (laying down) to approximately 3802' KB.
9. **Pump Plug #3 - Mesa Verde.** Spot 100 sx (118 cu.ft.) of Cl "B" neat cement from approximately 3802' KB to approximately 2425'. Cement is designed to cover 100' below the Point Lookout top and 100' above the Cliff House top.
10. TOH (laying down) the 1-1/2" tubing to approximately 2000'. Load hole with fresh water and pressure test the casing to 1500 psi. Finish TOH. Should have a total of 188 jts of 1-1/2".

**Complete Pictured Cliffs**

11. Rig up Wireline truck and run GR/CCL from 1700' to 1000'. Perforate 4 spf (0.38" holes) from 1315' to 1325'. Total of 40 holes. Depths refer to the open-hole logs.
12. Rig up frac equipment and pressure test surface lines.

13. Fracture with 50,000# of 20/40 Brady sand in a 25#/1000 gal cross-linked gel fluid. Pump rate at 50 BPM and expected treating pressure is 2000 psig. Max treating pressure is 3500 psig. Treat with the following schedule if pressure permits: (would prefer to ramp sand)

Stage	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	7,000	0
1.0 ppg 20/40	3,000	3,000
2.0 ppg 20/40	5,000	5,000
3.0 ppg 20/40	5,000	10,000
4.0 ppg 20/40	5,000	20,000
4.0 ppg 20/40 Resin	3,000	12,000
Flush	997	0
Total	28,997	60,000

14. Close BOPs. RD frac company and install flow line with 1/4" ceramic choke. Flow well back to pit overnight.
15. When well dies, TIH with sand bailer on 2-3/8" EUE tubing and clean out to PBTD or 300' below the lowest perf. TOH and lay down bailer.

**Complete Fruitland Coal**

16. Rig up Wireline truck and run drillable bridge plug. Set at 1402'. Perforate 4 spf (0.38" holes) from 1296'-1308'. Total of 48 holes. Depths refer to the open-hole logs.
17. Rig up frac equipment and pressure test surface lines.
18. Fracture with 50,000# of 20/40 Brady sand in a 25#/1000 gal cross-linked gel fluid. Pump rate at 50 BPM and expected treating pressure is 2000 psig. Max treating pressure is 3500 psig. Treat with the following schedule if pressure permits: (would prefer to ramp sand)

Stage	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	7,000	0
1.0 ppg 20/40	3,000	3,000
2.0 ppg 20/40	5,000	5,000
3.0 ppg 20/40	5,000	10,000
4.0 ppg 20/40	5,000	20,000
4.0 ppg 20/40 Resin	3,000	12,000
Flush	997	0
Total	28,997	60,000

19. Close BOPs. RD frac company and install flow line with 1/4" ceramic choke. Flow well back to pit overnight.
20. When well dies, TIH with sand bailer on 2-3/8" EUE tubing and clean out to RBP. TOH and lay down bailer.
21. TIH and drill out bridge plug.

22. TIH with tail joint, 4' perforated sub, and seating nipple, on 2-3/8", 4.7#, J-55, EUE 8rd tubing and set the seating nipple below the deepest perforation. ND BOP and NU tubing head.
23. Run a 2" X 1-1/2" X 12' RWAC pump on 3/4" rods. Space out the pump and hang off the rods. Start the pump jack and check for pump action.
24. Rig down and release rig. First deliver well.