

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.
30-045-31221

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.
NM 26357

7. Lease Name or Unit Agreement Name:

COOLIDGE

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO 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 D : 1050 feet from the NORTH line and 960 feet from the WEST line

Section 22 Township 30N Range 14W NMPM County San Juan

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
5636 GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: Complete and downhole commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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 recompilation.

Calpine is proposing to complete into the Harper Hill-FS/PC and Basin Fruitland Coal Gas formation. The formations will be commingled down hole.

Division Order : 11363

Names of Commingled Pools : Basin Fruitland Coal Gas (71629) and Harper Hill-FS/PC(78160)

Perforated Intervals: Harper Hill 1226-1230 (proposed) Basin Fruitland Coal 1203-1216 and 11098-1106 (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.

DAC 1076 A2

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 1/17/03

Type or print name Hugo Cartaya Telephone No. (720) 946-1302
(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTION, DIST. 3 DATE JAN 23 2003

Conditions of approval, if any: BLM must be notified and approve.

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 & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

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

¹ API Number 30-045-31221	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code	⁵ Property Name COOLIDGE	⁶ Well Number #2
⁷ OGRID No. 214274	⁸ Operator Name CALPINE NATURAL GAS COMPANY, L.P.	⁹ Elevation 5636'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	30N	14W		1050'	NORTH	960'	WEST	San Juan

¹¹ 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

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

¹⁶ 	¹⁷ OPERATOR CERTIFICATION 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 1/17/03 Date			
	¹⁸ SURVEYOR CERTIFICATION 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			

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 & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

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

¹ API Number 30-045-31221	² Pool Code 78160	³ Pool Name HARPER HILLS -FS/PC
⁴ Property Code	⁵ Property Name COOLIDGE	⁶ Well Number #2
⁷ OGRID No. 214274	⁸ Operator Name CALPINE NATURAL GAS COMPANY, L.P.	⁹ Elevation 5636'

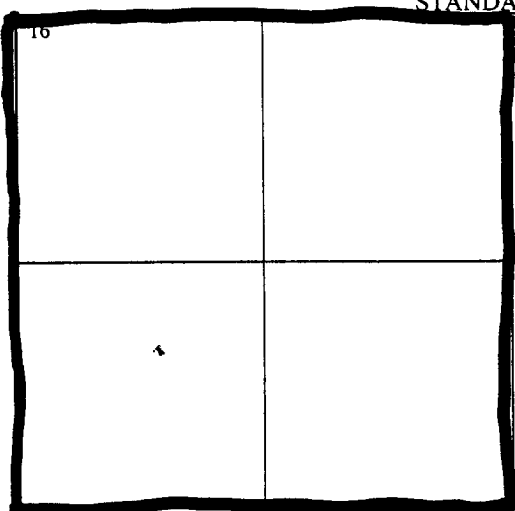
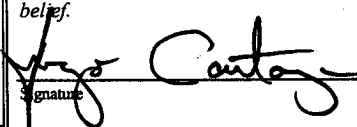
¹⁰ Surface Location

UL or lot no. D	Section 22	Township 30N	Range 14W	Lot Idn	Feet from the 1050'	North/South line NORTH	Feet from the 960'	East/West line WEST	County San Juan
---------------------------	----------------------	------------------------	---------------------	---------	-------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

¹¹ 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
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

¹⁶ 	¹⁷ OPERATOR CERTIFICATION 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 1/17/03 Date			
	¹⁸ SURVEYOR CERTIFICATION 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			

Completion Procedure for
Calpine Natural Gas Company
Coolidge #2

Location: NWNW Sec 22 T30N R14W
San Juan County, NM

Date: January 17, 2003

Field: Harper Hill and Basin Fruitland Coal
Complete in PC and 2 Fruitland Coals
Surface: BLM
Minerals: BLM NM-15272

Elev: GL 5636'
KB 5641'
PBSD 4-1/2" @ 1367'

1. Set and fill 4 frac tanks with city water and heat to 80 degrees. Check anchors. MOL and RU completion rig. Hold safety meeting.
2. NU 2-3/8" relief line. RU wireline. Check PBSD.
3. Perforate 2 SPF (0.38" holes) from 1226' to 1230'. Total of 8 holes. Perforate 2 SPF (0.38" holes) from 1203' to 1216'. Total of 28 holes. Depths refer to the open-hole logs.
4. Rig up frac equipment and pressure test surface lines. Fracture with 75,000# of 20/40 Brady sand in a 25#/1000 gal cross-linked gel fluid.
5. RU wireline. RIH with perforating gun and flow through composite bridge plug run in tandem.
6. Set flow through composite bridge plug at 1150'. Perforate 4 SPF (0.38" holes) from 1098' to 1106'. Total of 32 holes. Depths refer to the open-hole logs.
7. Fracture with 35,000# of 20/40 Brady sand in a 25#/1000 gal cross-linked gel fluid.
8. Close BOPs. RD frac company and install flowline with 1/4" ceramic choke. Flow well back to pit overnight.
9. When well dies, TIH with bit on 2-3/8" EUE tubing and clean out and drill out bridge plug at 1225 with foam unit. Clean out to PBSD. POOH with tubing and lay down bit.
10. TIH with 1 tail joint, 1-4' perforated sub, Seating Nipple and 2 3/8" tubing. Land tubing. RIH with rods and pump. Put well on production. RD and release rig.



Coolidge #2

Sec 22, Township 30N, Range 14W

1050' FNL. & 960' FWL Sec 22 T30N R14W
Same as Surface

Surface Location
Btm Hole Loc.
Field
County
State
API No.
Lease No.
G.L. Elevation

San Juan
New Mexico
30-045-31221
NM 15272
5636'

Surface Casing
Cement

130'
59 cu ft

7", 20#, In 8 3/4" hole

Class B w/ 2% CaCl. Circulate to surface

Prod. Casing
Cement

0-1389
237 cuft
59 cuft

34 Jts 4-1/2" 10.5# In 6 1/4" hole
Class B with 2% merasilicate
Class B

SPF Size Shots

1098-1106

4

.38"

32

SPF Size Shots

1203-1216

2

.38"

26

SPF Size Shots

1226-1230

2

.38"

8

PRTD 1,367'
TD 1,389'