

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. 30-045-31215	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. NM 26357	
7. Lease Name or Unit Agreement Name: MORTON	
8. Well No. #3	
9. Pool name or Wildcat	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5736 GR	

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 E : 1810 feet from the North line and 925 feet from the West line

Section 23 Township 30N Range 14W NMPM County San Juan

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.

DHC 1075 A2
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 1406-1410 (proposed) Basin Fruitland Coal 1370-1383 and 1273-1283 (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

Type or print name Hugo Cartaya

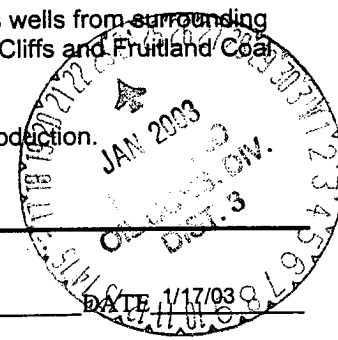
Telephone No. (720) 946-1302

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

Conditions of approval, if any:

DATE 1/17/03
JAN 28 2003



Recompletion Procedure for
Calpine Natural Gas Company
Morton #3

Location: SWNW Sec 23 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-26357

Elev: GL 5736'
KB 5741'
PBSD 4-1/2" @ 1487'

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 1406' to 1410'. Total of 8 holes. Perforate 2 SPF (0.38" holes) from 1370' to 1383'. Total of 26 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 1320'. Perforate 4 SPF (0.38" holes) from 1273' to 1283'. Total of 40 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.

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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

¹ API Number 30-045-31215	² Pool Code 78160	³ Pool Name HARPER HILL-FS/PC
⁴ Property Code	⁵ Property Name MORTON	⁶ Well Number #3
⁷ OGRID No. 214274	⁸ Operator Name CALPINE NATURAL GAS COMPANY, L.P.	⁹ Elevation 5736' GL

¹⁰ Surface Location

UL or lot no. E	Section 23	Township 30N	Range 14W	Lot Idn	Feet from the 1810'	North/South line NORTH	Feet from the 925'	East/West line WEST	County San Juan
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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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¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

	¹⁷ 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 1/17/03 Date
	¹⁸ 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

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31215	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code	⁵ Property Name MORTON	⁶ Well Number #3
⁷ OGRID No. 214274	⁸ Operator Name CALPINE NATURAL GAS COMPANY, L.P.	⁹ Elevation 5736' GL

¹⁰ Surface Location

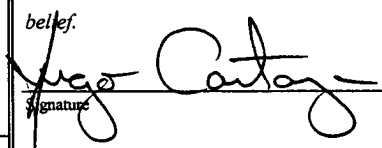
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	23	30N	14W		1810'	NORTH	925'	WEST	San Juan

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.
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	Date of Survey Signature and Seal of Professional Surveyor:			
	Certificate Number			



Morton #3 Sec
23, Township 30N, Range 14W

1810' FNL & 925' FWL Sec 23 T30N R14W
Same as Surface

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

San Juan
New Mexico
30-045-31215
NM 26357
5736'

Surface Casing 130'
Cement 59 cu ft

7", 20#, In 8 3/4" hole
Class B w/ 2% CaCl. Circulate to surface

Prod. Casing 0-1508
Cement 268 cu ft
59 cu ft

37 jts 4-1/2" 10.5# In 6 1/4" hole
Class B with 2% merasillicate
Class B

SPF	Size	Shots
1273-1283	.38"	40

SPF	Size	Shots
1370-1383	.38"	26

SPF	Size	Shots
1406-1410	.38"	8

PBTD 1,487'
TD 1,508'

