

4/10/2014 DATE IN	SUSPENSE	ENGINEER	4/10/2014 LOGGED IN	DHC TYPE	PM441404841163 APP NO.
----------------------	----------	----------	------------------------	-------------	---------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

*Record Clean up.*

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM *30-045-31222*

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

\_\_\_\_\_  
KRISTEN D. BABCOCK  
Print or Type Name

*Kristen D. Babcock*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
REGULATORY ANALYST  
Title

\_\_\_\_\_  
4/2/2014  
Date

\_\_\_\_\_  
Kristen.Babcock@xtoenergy.com  
e-mail Address



382 CR 3100 Aztec, NM 87410  
(505) 333-3100 FAX: (505) 333-3280

April 2, 2014

NMOCD  
Phillip Goetze  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RE: Record Clean Up for Downhole Commingle  
Harper Hill Fruitland Sand- Pictured Cliffs (78160) & Basin Fruitland Coal (71629) Pools  
Area of T30N, R14W  
San Juan County, NM

RECEIVED  
2014 APR - 7 10 2:19

Dear Mr. Goetze,

XTO Energy Inc. and the NMOCD Aztec District Office reviewed all of the XTO operated wells within the Harper Hill Fruitland Sand / PC Pool – located predominately within T30N, R14W, San Juan County NM – that had downhole comingling permits filed and approved through the NMOCD Aztec District Office by previous operators. These wells should have been filed and approved through the Santa Fe NMOCD, due to the fact that they are not pre-approved pools. XTO Energy Inc will be submitting these 12 wells to the Santa Fe NMOCD office for the appropriate approval. Allocations will remain as they were before.

	WELL NAME	API	DHC #	Year Approved	Operator that Submitted
1.	WF Federal 11 #1	30-045-32268	DHC-1923AZ	"2005"	Lance Oil and Gas
2.	WF Federal 25 #1	30-045-30681	DHC-2416AZ	"2007"	Lance Oil and Gas
3.	WF Federal 25 #2	30-045-30713	DHC-1209AZ	"2003"	Richardson Operating
4.	WF Federal 27 #3	30-045-30393	DHC-2138AZ	"2006"	Lance Oil and Gas
5.	WF Federal 03 #1	30-045-30202	DHC-3214AZ	"2009"	XTO Energy
6.	WF State 2 #3	30-045-30759	DHC-1896AZ	"2005"	Lance Oil and Gas
7.	Coolidge #2	30-045-31221	DHC-1076AZ	"2003"	Calpine Operating
8.	Coolidge Com #1	30-045-26184	DHC-1005AZ	"2002"	Calpine Operating
9.	Morton #2	30-045-25766	DHC-1003AZ	"2002"	Calpine Operating
10.	Morton #3	30-045-31215	DHC-1075AZ	"2003"	Calpine Operating
11.	Mr Nona 15 #1	30-045-30318	DHC-2573AZ	"2007"	Lance Oil and Gas
12.	Roosevelt #2	30-045-31222	DHC-1028AZ	"2003"	Calpine Operating

Sincerely,

Kristen D. Babcock  
Regulatory Analyst  
xc: Jackson Dean, Ft. Worth Land

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised August 1, 2011

District II  
811 S. First St., Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
☒ Single Well  
☐ Establish Pre-Approved Pools  
EXISTING WELLBORE  
☐ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

*Record Clean UP*

XTO Energy, Inc.

382 CR 3100, Aztec, NM 87410

Operator Address  
ROOSEVELT #2 UNIT LETTER L, Sec 22, T30N, R14W SAN JUAN

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 5380 Property Code 304744 API No. 30-045-31222 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BASIN FRUITLAND COAL		HARPER HILL FRUITLAND SAND PICTURED CLIFFS
Pool Code	(71629)		(78160)
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1026'-1136'		1150'-1153'
Method of Production (Flowing or Artificial Lift)	ROD/PUMP		ROD/PUMP
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	PRODUCING		PRODUCING
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 6/1/13 Rates: O:0/G:19MCF/ W:0	Date: Rates:	Date:6/1/13 Rates: O:0/G:6 MCF/W:0
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 77 % Gas 77 %	Oil % Gas %	Oil 23 % Gas 23 %

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

**Attachments:**

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

**PRE-APPROVED POOLS**

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE *Kristen D. Babcock* TITLE REGULATORY ANALYST DATE 4/2/14

TYPE OR PRINT NAME KRISTEN D. BABCOCK TELEPHONE NO. ( 505 ) 333-3206

E-MAIL ADDRESS kristen\_babcock@xtoenergy.com

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

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION

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

WELL API NO. 30-045-31222
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NM 20314
7. Lease Name or Unit Agreement Name: ROOSEVELT

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 G-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	8. Well No. #2
2. Name of Operator Calpine Natural Gas Company, L.P.	9. Pool name or Wildcat
3. Address of Operator 1200 17th Street, STE 770, Denver, CO 80202	
4. Well Location Unit Letter <u>L</u> : 1890 feet from the <u>South</u> line and 825 feet from the <u>West</u> line Section <u>22</u> Township <u>30N</u> Range <u>14W</u> NMPM County <u>San Juan</u>	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5590 GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: Complete and downhole commingle <input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input 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 recompilation. DNC1028AZ

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 1025-1036 (proposed) Basin Fruitland Coal 1124-1135 and 1025-1036 (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 1/3/03

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. 83 DATE JAN - 8 2003  
Conditions of approval, if any:

**Recompletion Procedure for  
Calpine Natural Gas Company  
Roosevelt #2**

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

Date: January 4, 2003

Field: Harper Hill and Basin Fruitland Coal  
Complete in PC and 2 Fruitland Coals

Elev: GL 5590'

KB 5595'

Surface: BLM

PBTD 4-1/2" @ 1279'

Minerals: BLM NM-20314

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 PBTD.
3. Perforate 2 SPF (0.38" holes) from 1143' to 1146'. Total of 6 holes. Perforate 2 SPF (0.38" holes) from 1124' to 1135'. Total of 22 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 1070'. Perforate 4 SPF (0.38" holes) from 1025' to 1036'. Total of 44 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 PBTD. POOH with tubing and lay down bit.
10. TIH with 1 tail joint, 1-4' perforated sub, Seating Nipple and 48 joints of 2 3/8" tubing. Land tubing. RIH with rods and pump. Put well on production. RD and release rig.

**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**

<sup>1</sup> API Number <b>30-045-31222</b>	<sup>2</sup> Pool Code <b>71629</b>	<sup>3</sup> Pool Name <b>BASIN FRUITLAND COAL</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>ROOSEVELT</b>	<sup>6</sup> Well Number <b>#2</b>
<sup>7</sup> OGRID No. <b>214274</b>	<sup>8</sup> Operator Name <b>CALPINE NATURAL GAS COMPANY, L.P.</b>	<sup>9</sup> Elevation <b>5590' GL</b>

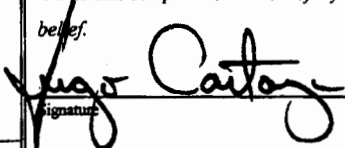
<sup>10</sup> Surface Location

UL or lot no. <b>L</b>	Section <b>22</b>	Township <b>30N</b>	Range <b>14W</b>	Lot Idn	Feet from the <b>1890'</b>	North/South line <b>SOUTH</b>	Feet from the <b>825'</b>	East/West line <b>WEST</b>	County <b>San Juan</b>
---------------------------	----------------------	------------------------	---------------------	---------	-------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

<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
<sup>12</sup> Dedicated Acres <b>320</b>	<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>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 <b>Hugo Cartaya</b> Printed Name Production Manager Title 1/3/03 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

## 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 &amp; 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

<sup>1</sup> API Number 30-045-31222	<sup>2</sup> Pool Code 78160	<sup>3</sup> Pool Name HARPER HILL-FS/PC
<sup>4</sup> Property Code	<sup>5</sup> Property Name ROOSEVELT	<sup>6</sup> Well Number #2
<sup>7</sup> OGRID No. 214274	<sup>8</sup> Operator Name CALPINE NATURAL GAS COMPANY, L.P.	<sup>9</sup> Elevation 5590' GL

<sup>10</sup> Surface Location

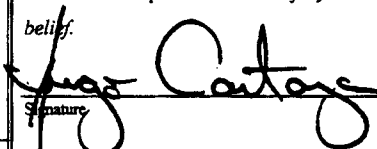
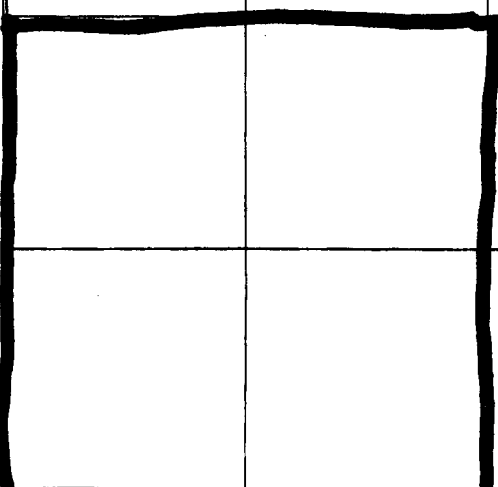
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	22	30N	14W		1890'	SOUTH	825'	WEST	San Juan

<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

<sup>12</sup> Dedicated Acres 160	<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

16					<b>17 OPERATOR CERTIFICATION</b> <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 1/3/03 Date
					<b>18 SURVEYOR CERTIFICATION</b> <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



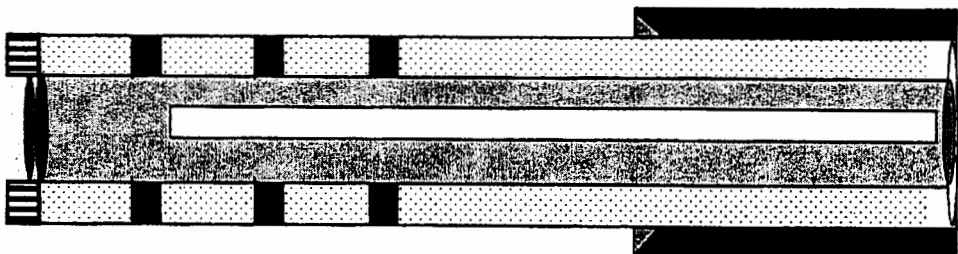
**Roosevelt #2**  
Sec 22, Township 30N, Range 14W

Surface Location 1890' FSL & 825' FWL Sec 22 T30N R14W  
Btm Hole Loc. *Same as Surface*

Field San Juan  
County New Mexico  
State 30-045-31222  
API No. NM 20314  
Lease No. 5590'  
G.L. Elevation

Surface Casing 130'  
Cement 59 cu ft  
7", 20#, in 8 3/4" hole  
Class B w/ 2% CaCl. Circulate to surface

Prod. Casing 0-1301  
Cement 227 cu ft  
59 cu ft  
32 lbs 4-1/2" 10.5# in 6 1/4" hole  
Class B with 2% metasilicate  
Class B



SPF	Size	Shots	
1025-1036	4	.38"	44

SPF	Size	Shots	
1124-1135	2	.38"	22

SPF	Size	Shots	
1143-1146	2	.38"	6

PBTD 1,279'  
TD 1,301'

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.  
30-045-31222

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.  
NM 20314

7. Lease Name or Unit Agreement Name:

ROOSEVELT

8. Well No.  
#2

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 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 L : 1890 feet from the South line and 825 feet from the West line

Section 22

Township 30N

Range 14W

NMPM

County San Juan

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5590 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: Allocation Formula ☒

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 that the production allocation between the Basin Fruitland Coal Gas and the Harper Hill-FS/PC formations be approved based on the attached analysis.

The average daily production from the Fruitland Coal wells in Sections 13 through 30, Twp 30N, Rge 14W is 64 MCFPD. The average daily production from the Pictured Cliffs - Fruitland commingled wells was 83 MCFPD. By subtraction of the two indicates that the average daily production from the Pictured Cliffs alone would be 19 MCFPD.

Based on these attached calculations, Calpine is proposing that 23% of the commingled production be allocated to the Harper Hill FS/PC and 77% to the Basin Fruitland Coal Gas formations.

OHC 1028AZ

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 1/3/03

Type or print name Hugo Cartaya

(This space for State use)

Telephone No. (720) 946-1302

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #2

Conditions of approval, if any:

JAN - 8 2003

Recompletion Procedure for  
Calpine Natural Gas Company  
Roosevelt #2

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

Date: January 4, 2003

Field: Harper Hill and Basin Fruitland Coal  
Complete in PC and 2 Fruitland Coals

Elev: GL 5590'

KB 5595'

Surface: BLM

PBTD 4-1/2" @ 1279'

Minerals: BLM NM-20314

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 PBTD.
3. Perforate 2 SPF (0.38" holes) from 1143' to 1146'. Total of 6 holes. Perforate 2 SPF (0.38" holes) from 1124' to 1135'. Total of 22 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 1070'. Perforate 4 SPF (0.38" holes) from 1025' to 1036'. Total of 44 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 PBTD. POOH with tubing and lay down bit.
10. TIH with 1 tail joint, 1-4' perforated sub, Seating Nipple and 48 joints of 2 3/8" tubing. Land tubing. RIH with rods and pump. Put well on production. RD and release rig.