

DATE IN 4/07/2014	SUSPENSE	ENGINEER MAM	LOGGED IN 4/08/2014	TYPE DHC	APP NO. PMAM1404838801
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



4604

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

- [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

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

XTO Energy, Inc.

382 CR 3100, Aztec, NM 87410

Operator Address
COOLIDGE #2 UNIT LETTER D, Sec 22, T30N, R14W SAN JUAN

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

OGRID No. 5380 Property Code 304724 API No. 30-045-31221 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)	1098'-1214'		1233'-1236'
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:21MCF/ W:0	Date: Rates:	Date: 6/1/13 Rates: O:0/G:8MCF/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 Gas 77 % 77 %	Oil Gas % %	Oil Gas 23 % 23 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? 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

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.

8. Well No.
#2

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

9. Pool name or Wildcat

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 recompletion.

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.

DN C 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

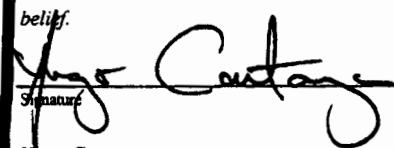
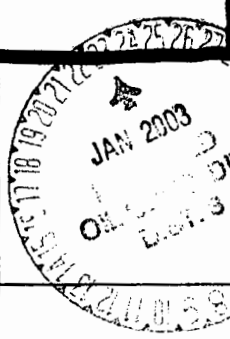
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	30N	14W		1050'	NORTH	960'	WEST	San Juan

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			

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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

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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.	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 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

Elev: GL 5636'

KB 5641'

Surface: BLM

PBTD 4-1/2" @ 1367'

Minerals: BLM NM-15272

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 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 PBTD. 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

Surface Location		1050' FNL & 960' FWL, Sec 22 T30N R14W	
Bum Hole Loc.		Same as Surface	
Field		San Juan	
County		New Mexico	
State		30-045-31221	
API No.		NM 15272	
Lease No.		5636'	
G.L. Elevation			
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 cu ft 59 cu ft	34 Jts 4-1/2" 10.5# in 6 1/4" hole Class B with 2% merastilicate Class B	
		SPF	Shots
		Size	
		1098-1106	4
		.38"	32
		SPF	Shots
		Size	
		1203-1216	2
		.38"	26
		SPF	Shots
		Size	
		1226-1230	2
		.38"	8
PRTD	1,367'		
TD	1,389'		

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil ☐ Well Gas ☒ Well ☐ Other

2. Name of Operator

Calpine Natural Gas Company, L.P.

3. Address and Telephone No.

720-359-9144

1200 17th St., Suite 770, Denver, CO 80202

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1050' FNL & 960' FWL Sec. 22-30N-14W

AM FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM 15272

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation

7. Well Name and No.

Coolidge #2

9. API Well No.

30-045-31221

10. Field and Pool, or Exploratory Area

Basin Fruit Coal Gas & Harper Hill FS/PC

11. County or Parish, State

San Juan County, New Mexico

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.)*

Attached please find proposed allocation formula.

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

Signed

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title Production Manager

Date 01/17/03

Title Pet. Eng.

Date 8/1/03

WAYNE TOWNSEND

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

NMOCD

Submit 3 Copies To Appropriate District
Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

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District III

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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

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.)		WELL API NO. 30-045-31221
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Calpine Natural Gas Company, L.P.		6. State Oil & Gas Lease No. NM 26357
3. Address of Operator 1200 17th Street, STE 770, Denver, CO 80202		7. Lease Name or Unit Agreement Name: COOLIDGE
4. Well Location Unit Letter <u>D</u> : <u>1050</u> feet from the <u>NORTH</u> line and <u>960</u> 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>		8. Well No. #2
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5636' GR		9. Pool name or Wildcat

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: Allocation Formula <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.

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.

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

(This space for State use)

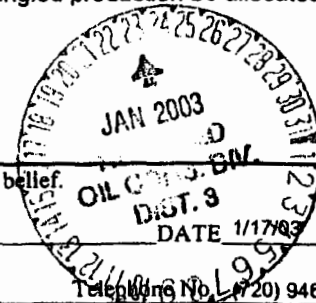
APPROVED BY

Conditions of approval, if any:

DEPUTY OIL & GAS INSPECTOR, DIST. 9

TITLE

DATE



Presidential Production

PRODUCTION ID	API	LEASE NAME	WELL NUM	OPERATOR NAME	LOCATION	FIELD NAME	PROD ZONE NAME	FIRST PROD DATE	LAST PROD DATE	GAS CUM	Producing Days	Average Daily Gas Production
230043045255080000	30045255080000	MORTON	1	CALPINE NATURAL GAS L.P.	23H 30N 14W NW SE NE	TWIN MOUNDS	FRUITLAND COAL	8/1/2001	2/28/2002	4,521	211	21
230043045307320000	30045307320000	RIVERA COM	2	DUGAN PRODUCTION CORPORATION	18E 30N 14W N2 SW NW	TWIN MOUNDS	FRUITLAND	1/1/2002	9/30/2002	6,497	272	24
230043045307240000	30045307240000	TURKS TOAST	10	DUGAN PRODUCTION CORPORATION	19C 30N 14W C NE NW	TWIN MOUNDS	FRUITLAND COAL	2/1/2002	9/30/2002	2,257	241	9
230043045307310000	30045307310000	TURKS TOAST	9	DUGAN PRODUCTION CORPORATION	18P 30N 14W NW SE SE	TWIN MOUNDS	FRUITLAND	1/1/2002	9/30/2002	1,982	272	7
230043045296490000	30045296490000	WF FEDERAL 20	1	RICHARDSON OPERATING COMPANY	20N 30N 14W NW SE SW	BASIN	FRUITLAND	1/1/2000	8/31/2002	9,222	973	9
230043045278470000	30045278470000	MS NONA	2	RICHARDSON OPERATING COMPANY	15A 30N 14W SW NE NE	BASIN	FRUITLAND COAL	7/1/1999	8/31/2002	118,792	1,157	103
230043045309197000	30045309197000	PINON COM	90	DUGAN PRODUCTION CORPORATION	13L 30N 14W SE NW SW	BASIN	FRUITLAND COAL	8/1/2002	9/30/2002	176	60	3
430453073070000	30045307300000	TURKS TOAST COM	92	DUGAN PRODUCTION CORPORATION	18N 30N 14W NE SE SW	BASIN	FRUITLAND COAL	12/1/2001	9/30/2002	6,288	303	21
430452964970000	30045296490000	WF FEDERAL 20	1	RICHARDSON OPERATING COMPANY	20N 30N 14W NW SE SW	BASIN	FRUITLAND COAL	1/1/2000	8/31/2002	66,173	973	68
2300430453006270000	30045300620000	WF FEDERAL 20	2	RICHARDSON OPERATING COMPANY	20A 30N 14W SW NE NE	BASIN	FRUITLAND COAL	2/1/2001	8/31/2002	7,741	576	13
2300430453003170000	30045300310000	WF FEDERAL 21	1Y	RICHARDSON OPERATING COMPANY	21M 30N 14W NE SW SW	BASIN	FRUITLAND COAL	4/1/2000	8/31/2002	12,848	882	14
2300430452985070000	30045298500000	WF STATE 16	2	RICHARDSON OPERATING COMPANY	16B 30N 14W SE NW NE	BASIN	FRUITLAND COAL	3/1/2000	74,211	913	81	70
2300430452973070000	30045297300000	WF STATE 16	1	RICHARDSON OPERATING COMPANY	16M 30N 14W NE SW SW	BASIN	FRUITLAND COAL	11/1/1999	8/31/2002	72,306	1,034	20
2300430452988086620	30045298800000	WF FEDERAL 28	1	RICHARDSON OPERATING COMPANY	28A 30N 14W SW NE NE	TWIN MOUNDS	FRUITLAND	1/1/2001	8/31/2002	12,030	807	20
2300430452984886620	30045298480000	WF FEDERAL 28	2	RICHARDSON OPERATING COMPANY	28J 30N 14W SE NW SE	TWIN MOUNDS	FRUITLAND	1/1/2001	8/31/2002	153,107	607	252
2300430453005886620	30045300580000	WF FEDERAL 29	2	RICHARDSON OPERATING COMPANY	29P 30N 14W NW SE SE	TWIN MOUNDS	FRUITLAND	4/1/2001	8/31/2002	161,168	517	312
230043045303470000	30045303470000	WF FEDERAL 29	3	RICHARDSON OPERATING COMPANY	29M 30N 14W NE SW SW	TWIN MOUNDS	FRUITLAND	11/1/2001	8/31/2002	10,469	303	35
2300430453078971629	30045307890000	BEYOND PETROLEUM 90	90	DUGAN PRODUCTION CORPORATION	28L 30N 14W SE NW SW	BASIN	FRUITLAND COAL	1/1/2000	9/30/2002	12,291	1,003	12
2300430453058871629	30045305880000	JACOBS COM	1	DUGAN PRODUCTION CORPORATION	28G 30N 14W NE SW NE	BASIN	FRUITLAND COAL	7/1/2001	9/30/2002	55,320	456	121
2300430452988071629	30045298800000	WF FEDERAL 28	1	RICHARDSON OPERATING COMPANY	28A 30N 14W SW NE NE	BASIN	FRUITLAND COAL	1/1/2001	8/31/2002	10,334	607	17
2300430453037971629	30045303790000	WF FEDERAL 28	3	RICHARDSON OPERATING COMPANY	28N 30N 14W NW SE SW	BASIN	FRUITLAND COAL	2/1/2001	8/31/2002	153,347	576	266
230043045297370000	30045297370000	WF FEDERAL 29	1	RICHARDSON OPERATING COMPANY	28B 30N 14W SE NW NE	BASIN	FRUITLAND COAL	10/1/1999	8/31/2002	95,833	1,065	90
2300430453034771629	30045303470000	WF FEDERAL 29	3	RICHARDSON OPERATING COMPANY	29M 30N 14W SE NW SW	BASIN	FRUITLAND COAL	11/1/2001	8/31/2002	4,278	303	14
2300430453034886620	30045303480000	WF FEDERAL 29	4	RICHARDSON OPERATING COMPANY	29D 30N 14W SE NW NW	TWIN MOUNDS	FRUITLAND COAL	3/1/2001	8/31/2002	18,608	548	34
230043045295871629	30045295870000	WF FEDERAL 30	1	RICHARDSON OPERATING COMPANY	30H 30N 14W NW SE NE	BASIN	FRUITLAND COAL	11/1/1999	8/31/2002	1,164	1,034	1
2300430453057771629	30045305770000	WINIFRED COM	90	DUGAN PRODUCTION CORPORATION	26O 30N 14W C SW SE	BASIN	FRUITLAND COAL	7/1/2001	9/30/2002	14,623	456	32

FRUITLAND COAL

Average Daily Production

Presidential Production

PRODUCTION ID	API	LEASE NAME	WELL NUM	OPERATOR NAME	LOCATION	FIELD NAME	PROD ZONE NAME	FIRST PROD DATE	LAST PROD DATE	GAS CUM	Producing Days	Average Daily Gas Production
2300430453091570000	30045309150000	MOLLY PITCHER	3	DUGAN PRODUCTION CORPORATION	14J 30N 14W SE NW SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	9/1/2002	9/30/2002	75	29	3
2300430453031870000	30045303180000	MIR MONA 15	1	RICHARDSON OPERATING COMPANY	15E 30N 14W NE SW NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	33,268	273	122
2300430452278470000	30045227840000	MS MONA	2	RICHARDSON OPERATING COMPANY	15A 30N 14W SW NE NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	4/1/1999	8/31/2002	94,263	1,248	76
2300430453017970000	30045301790000	MUCHO DEAL	14	DUGAN PRODUCTION CORPORATION	14F 30N 14W NW SE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/2001	9/30/2002	83,798	333	252
2300430453091870000	30045309180000	PAN AMERICAN FED	2	DUGAN PRODUCTION CORPORATION	24D 30N 14W NE NW NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	8/1/2002	9/30/2002	235	30	8
2300430453092070000	30045309200000	PINON	2	DUGAN PRODUCTION CORPORATION	13F 30N 14W NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	8/1/2002	9/30/2002	348	80	6
2300430453006280000	30045300620000	WF FEDERAL 20	2	RICHARDSON OPERATING COMPANY	20A 30N 14W SW NE NE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	8,820	576	12
2300430453011480000	30045301140000	WF FEDERAL 20	3	RICHARDSON OPERATING COMPANY	20O 30N 14W NE SW SE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	20,668	576	36
2300430453028170000	30045302810000	WF FEDERAL 21	3	RICHARDSON OPERATING COMPANY	21O 30N 14W NE SW SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2001	8/31/2002	61,461	548	112
2300430453015670000	30045301560000	WF FEDERAL 21	2	RICHARDSON OPERATING COMPANY	21F 30N 14W NW SE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	70,850	576	123
2300430453003170000	30045300310000	WF FEDERAL 21	1Y	RICHARDSON OPERATING COMPANY	21M 30N 14W NE SW SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	27,678	1,034	27
2300430453008170000	30045300810000	WF FEDERAL 25	1	RICHARDSON OPERATING COMPANY	25H 30N 14W SE SE NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/2002	8/31/2002	15,800	242	65
2300430453007770000	30045300770000	WF STATE 16	4	RICHARDSON OPERATING COMPANY	16C 30N 14W SW NE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/2001	8/31/2002	1,502	303	5
2300430453007770000	30045300770000	WF STATE 16	3	RICHARDSON OPERATING COMPANY	16O 30N 14W NE SW SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	6/1/2000	8/31/2002	84,354	821	103
2300430452985070000	30045298500000	WF STATE 16	2	RICHARDSON OPERATING COMPANY	16B 30N 14W SE NW NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2000	7/31/2002	878	882	1
230043045297070000	30045297000000	WF STATE 16	1	RICHARDSON OPERATING COMPANY	16M 30N 14W NE SW SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	16,431	1,034	16
2300430453059078160	30045305900000	JACOBS	3	DUGAN PRODUCTION CORPORATION	26C 30N 14W SW NE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	7/1/2001	9/30/2002	58,242	456	128
2300430453039278160	30045303920000	MAYRE	4R	DUGAN PRODUCTION CORPORATION	27O 30N 14W NE SE SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	7/1/2001	9/30/2002	88,365	456	194
23004304530393878160	30045303930000	WF FEDERAL 27	1	RICHARDSON OPERATING COMPANY	27K 30N 14W NE SW NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	28,321	273	104
23004304530393878160	30045303930000	WF FEDERAL 27	2	RICHARDSON OPERATING COMPANY	27L 30N 14W SE NW SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	68,655	273	244
23004304530393878160	30045303930000	WF FEDERAL 27	3	RICHARDSON OPERATING COMPANY	27C 30N 14W SW NE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	62,071	273	227
23004304530393878160	30045303930000	WF FEDERAL 28	4	RICHARDSON OPERATING COMPANY	28F 30N 14W NW SE SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2001	8/31/2002	75,125	548	137
23004304530393878160	30045303930000	WF FEDERAL 28	3	RICHARDSON OPERATING COMPANY	28N 30N 14W NW SE SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2001	8/31/2002	30,965	548	57
2300430452973786620	30045297370000	WF FEDERAL 29	1	RICHARDSON OPERATING COMPANY	29B 30N 14W SE NW NE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	13,869	1,034	13
2300430452958986620	30045295890000	WF FEDERAL 30	1	RICHARDSON OPERATING COMPANY	30H 30N 14W NW SE NE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	1,164	1,034	1

FRUITLAND-PICTURED CLIFFS

PICTURED CLIFFS

Average Daily Production	83
Average Daily Production	19

Formation	Average Daily Production	% of Total
PICTURED CLIFFS	19	23%
FRUITLAND COAL	64	77%
Total	83	100%

RECEIVED

2002 DEC 16 AM 11:44

070 Farmington, NM

FORM 3160-5
(June 1990)

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
N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Coolidge #2

9. API Well No.
30- 045-31221

10. Field and Pool, or Exploratory Area
Twin Mounds Pictured Cliffs

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 Street, Suite 770, Denver, CO 80202

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1,050' FNL & 960' FWL
Sec. 22-T30N-R14W

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 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.)

Weekly drilling update for the week ending 12/6/02. FINAL REPORT.

Released rig @ 1700 hrs 12/5/02.

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

Title Production Manager

Date

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by

Title

Date

DEC 17 2002

Conditions of approval, if any:

FARMINGTON FIELD OFFICE

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

RECORDED

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

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.)		WELL API NO. 30-045-31221
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Calpine Natural Gas Company, L.P.		6. State Oil & Gas Lease No. NM 26357
3. Address of Operator 1200 17th Street, STE 770, Denver, CO 80202		7. Lease Name or Unit Agreement Name: COOLIDGE
4. Well Location Unit Letter <u>D</u> : <u>1050</u> feet from the <u>NORTH</u> line and <u>960</u> 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.) 5636' GR		

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: Allocation Formula <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.

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.

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. (202) 478-1302

(This space for State use)

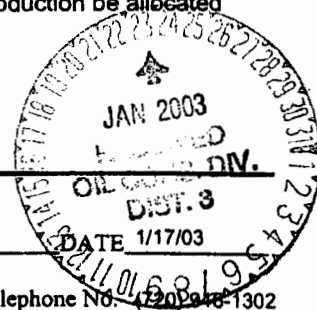
APPROVED BY [Signature]

DEPUTY OIL & GAS INSPECTOR, DIST. 3

TITLE

DATE

Conditions of approval, if any:



JAN 28 2003

Presidential Production

PRODUCTION ID	API	LEASE NAME	WELL NUM	OPERATOR NAME	LOCATION	FIELD NAME	PROD ZONE NAME	FIRST PROD DATE	LAST PROD DATE	GAS CUM	Producing Days	Average Daily Gas Production
230043045250680000	3004525060000	MORTON	1	CALPINE NATURAL GAS L.P.	23H 30N 14W NW SE NE	TWIN MOUNDS	FRUITLAND COAL	8/1/2001	2/28/2002	4,521	211	21
2300430453073260000	30045307320000	RIVIERA COM	2	DUGAN PRODUCTION CORPORATION	18E 30N 14W N2 SW NW	TWIN MOUNDS	FRUITLAND	1/1/2002	9/30/2002	6,497	272	24
2300430453072480000	30045307240000	TURKS TOAST	10	DUGAN PRODUCTION CORPORATION	19C 30N 14W C NE NW	TWIN MOUNDS	FRUITLAND COAL	1/1/2002	9/30/2002	2,257	241	9
2300430453073180000	30045307310000	TURKS TOAST	9	DUGAN PRODUCTION CORPORATION	19P 30N 14W NW SE SE	TWIN MOUNDS	FRUITLAND	1/1/2002	9/30/2002	1,992	272	7
2300430452984980000	30045298490000	WF FEDERAL 20	1	RICHARDSON OPERATING COMPANY	20N 30N 14W NW SE SW	TWIN MOUNDS	FRUITLAND	1/1/2000	8/31/2002	9,222	973	9
2300430452276470000	30045227640000	MS NONA	2	RICHARDSON OPERATING COMPANY	15A 30N 14W SW NE NE	BASIN	FRUITLAND COAL	7/1/1999	8/31/2002	118,782	1,157	103
2300430453091970000	30045309190000	PINON COM	90	DUGAN PRODUCTION CORPORATION	13L 30N 14W SE NW SW	BASIN	FRUITLAND COAL	8/1/2002	9/30/2002	176	60	3
2300430453073070000	30045307300000	TURKS TOAST COM	92	DUGAN PRODUCTION CORPORATION	18N 30N 14W NE SE SW	BASIN	FRUITLAND COAL	12/1/2001	9/30/2002	6,288	303	21
2300430452964970000	30045296490000	WF FEDERAL 20	1	RICHARDSON OPERATING COMPANY	20N 30N 14W NW SE SW	BASIN	FRUITLAND COAL	1/1/2000	8/31/2002	66,173	973	68
2300430453006270000	30045300620000	WF FEDERAL 20	2	RICHARDSON OPERATING COMPANY	20A 30N 14W SW NE NE	BASIN	FRUITLAND COAL	2/1/2001	8/31/2002	7,741	576	13
2300430453003170000	30045300310000	WF FEDERAL 21	11	RICHARDSON OPERATING COMPANY	21M 30N 14W NE SW SW	BASIN	FRUITLAND COAL	4/1/2000	8/31/2002	12,646	882	14
2300430452995070000	30045299500000	WF STATE 16	2	RICHARDSON OPERATING COMPANY	18B 30N 14W NE SW SW	BASIN	FRUITLAND COAL	3/1/2000	8/31/2002	74,211	913	81
2300430452988086620	30045298800000	WF STATE 16	1	RICHARDSON OPERATING COMPANY	16M 30N 14W NE SW SW	BASIN	FRUITLAND COAL	11/1/1999	8/31/2002	12,030	1,034	70
2300430452988086620	30045298800000	WF FEDERAL 28	1	RICHARDSON OPERATING COMPANY	28A 30N 14W SW NE NE	TWIN MOUNDS	FRUITLAND	1/1/2001	8/31/2002	72,306	607	20
2300430452984886620	30045298480000	WF FEDERAL 28	2	RICHARDSON OPERATING COMPANY	28J 30N 14W SE NW SE	TWIN MOUNDS	FRUITLAND	1/1/2001	8/31/2002	153,107	607	252
2300430453005886620	30045300580000	WF FEDERAL 28	2	RICHARDSON OPERATING COMPANY	29P 30N 14W NW SE SE	TWIN MOUNDS	FRUITLAND	4/1/2001	8/31/2002	161,788	517	312
2300430452975070000	30045297500000	WF FEDERAL 29	2	RICHARDSON OPERATING COMPANY	29M 30N 14W NE SW SW	TWIN MOUNDS	FRUITLAND	11/1/2001	8/31/2002	10,489	303	35
2300430453034786620	30045303470000	WF FEDERAL 29	3	RICHARDSON OPERATING COMPANY	28L 30N 14W SE NW SW	BASIN	FRUITLAND COAL	1/1/2000	9/30/2002	12,291	1,003	12
2300430453076971629	30045307690000	BEYOND PETROLEUM	90	DUGAN PRODUCTION CORPORATION	26G 30N 14W SE NW NE	BASIN	FRUITLAND COAL	7/1/2001	9/30/2002	55,320	456	121
2300430453058871629	30045305880000	JACOBS COM	90	RICHARDSON OPERATING COMPANY	28A 30N 14W SW NE NE	BASIN	FRUITLAND COAL	1/1/2001	8/31/2002	10,334	607	17
2300430452988071629	30045298800000	WF FEDERAL 28	1	RICHARDSON OPERATING COMPANY	28N 30N 14W NW SE SW	BASIN	FRUITLAND COAL	2/1/2001	8/31/2002	153,347	576	286
2300430453037971629	30045303790000	WF FEDERAL 28	3	RICHARDSON OPERATING COMPANY	29B 30N 14W NW SE SW	BASIN	FRUITLAND COAL	10/1/1999	8/31/2002	95,833	1,065	90
2300430452973771629	30045297370000	WF FEDERAL 29	1	RICHARDSON OPERATING COMPANY	29M 30N 14W SE NW NE	BASIN	FRUITLAND COAL	11/1/2001	8/31/2002	4,278	303	14
2300430453034771629	30045303470000	WF FEDERAL 29	3	RICHARDSON OPERATING COMPANY	29M 30N 14W SE NW SW	BASIN	FRUITLAND COAL	3/1/2001	8/31/2002	16,608	548	34
2300430453034886620	30045303480000	WF FEDERAL 29	4	RICHARDSON OPERATING COMPANY	29D 30N 14W SE NW NW	TWIN MOUNDS	FRUITLAND COAL	11/1/1999	8/31/2002	1,164	1,034	1
2300430452959971629	30045295990000	WF FEDERAL 30	1	RICHARDSON OPERATING COMPANY	30H 30N 14W NW SE NE	BASIN	FRUITLAND COAL	7/1/2001	9/30/2002	14,623	456	32
2300430453057771629	30045305770000	WINIFRED COM	90	DUGAN PRODUCTION CORPORATION	26O 30N 14W C SW SE	BASIN	FRUITLAND COAL					
FRUITLAND COAL											Average Daily Production	64

Presidential Production

PRODUCTION ID	API	LEASE NAME	WELL NUM	OPERATOR NAME	LOCATION	FIELD NAME	PROD ZONE NAME	FIRST PROD DATE	LAST PROD DATE	GAS CUM	Producing Days	Average Daily Gas Production
2300430453081570000	30045308150000	MOLLY PITCHER	3	DUGAN PRODUCTION CORPORATION	14J 30N 14W SE NW SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	9/1/2002	9/30/2002	75	29	3
2300430453031870000	30045303180000	MR NONA 15	1	RICHARDSON OPERATING COMPANY	15E 30N 14W NE SW NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	33,268	273	122
2300430452276470000	30045227640000	MS NONA	2	RICHARDSON OPERATING COMPANY	15A 30N 14W SW NE NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	4/1/1999	8/31/2002	94,263	1,248	76
2300430453017970000	30045301790000	MUCHO DEAL	14	DUGAN PRODUCTION CORPORATION	14F 30N 14W NW SE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/2001	9/30/2002	83,798	333	252
2300430453081870000	30045308180000	PAN AMERICAN FED	2	DUGAN PRODUCTION CORPORATION	24D 30N 14W NE NW NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	8/1/2002	8/31/2002	235	30	8
2300430453092070000	30045309200000	PINON	2	DUGAN PRODUCTION CORPORATION	13F 30N 14W NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	8/1/2002	9/30/2002	348	60	6
230043045306280000	30045306280000	WF FEDERAL 20	2	RICHARDSON OPERATING COMPANY	20A 30N 14W SW NE NE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	6,820	576	12
2300430453011480000	30045301140000	WF FEDERAL 20	3	RICHARDSON OPERATING COMPANY	20O 30N 14W NE SW SE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	20,688	576	36
2300430453026170000	30045302610000	WF FEDERAL 21	3	RICHARDSON OPERATING COMPANY	21O 30N 14W NE SW SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2001	8/31/2002	61,461	548	112
2300430453015870000	30045301580000	WF FEDERAL 21	2	RICHARDSON OPERATING COMPANY	21F 30N 14W NW SE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	20,688	576	36
2300430453003170000	30045300310000	WF FEDERAL 21	1Y	RICHARDSON OPERATING COMPANY	21M 30N 14W NE SW SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	2/1/2001	8/31/2002	27,676	1,034	123
2300430453068170000	30045306810000	WF FEDERAL 25	1	RICHARDSON OPERATING COMPANY	25H 30N 14W SE SE NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	15,800	242	27
230043045300770000	30045300770000	WF STATE 16	4	RICHARDSON OPERATING COMPANY	16C 30N 14W SW NE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/2001	8/31/2002	1,502	303	5
2300430453007670000	30045300760000	WF STATE 16	3	RICHARDSON OPERATING COMPANY	16O 30N 14W NE SW SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	8/1/2000	8/31/2002	84,354	821	103
2300430452985070000	30045298500000	WF STATE 18	2	RICHARDSON OPERATING COMPANY	16B 30N 14W SE NW NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2000	7/31/2002	876	882	1
2300430452975070000	30045297500000	WF STATE 18	1	RICHARDSON OPERATING COMPANY	16M 30N 14W NE SW SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	16,431	1,034	16
2300430453059078160	30045305900000	JACOBS	3	DUGAN PRODUCTION CORPORATION	26C 30N 14W SW NE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	7/1/2001	9/30/2002	58,242	456	128
2300430453059178160	30045305910000	MAYRE	4R	DUGAN PRODUCTION CORPORATION	27O 30N 14W NE SE SE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	7/1/2001	9/30/2002	88,385	456	194
2300430453039278160	30045303920000	WF FEDERAL 27	1	RICHARDSON OPERATING COMPANY	27G 30N 14W NE SW NE	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	28,321	273	104
2300430453039378160	30045303930000	WF FEDERAL 27	3	RICHARDSON OPERATING COMPANY	27K 30N 14W SE NW SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	66,655	273	244
2300430453068978160	30045306890000	WF FEDERAL 27	2	RICHARDSON OPERATING COMPANY	27C 30N 14W SW NE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	12/1/2001	8/31/2002	62,071	273	227
230043045303778160	30045303770000	WF FEDERAL 28	4	RICHARDSON OPERATING COMPANY	28F 30N 14W NW SE NW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2001	8/31/2002	75,125	548	137
2300430453037978160	30045303790000	WF FEDERAL 28	3	RICHARDSON OPERATING COMPANY	28N 30N 14W NW SE SW	HARPER HILL	FRUITLAND-PICTURED CLIFFS	3/1/2001	8/31/2002	30,965	548	57
2300430452973786620	30045297370000	WF FEDERAL 29	1	RICHARDSON OPERATING COMPANY	29B 30N 14W SE NW NE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	13,869	1,034	13
230043045295986620	30045295980000	WF FEDERAL 30	1	RICHARDSON OPERATING COMPANY	30H 30N 14W NW SE NE	TWIN MOUNDS	FRUITLAND-PICTURED CLIFFS	11/1/1999	8/31/2002	1,164	1,034	1
FRUITLAND-PICTURED CLIFFS												83
PICTURED CLIFFS												19

Formation	Average Daily Production	% of Total
PICTURED CLIFFS	19	23%
FRUITLAND COAL	64	77%
Total	83	100%