

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., 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.

30-045-30826

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Riverine

8. Well No.

#3

9. Pool name or Wildcat

Basin Fruitland Coal

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 St., Suite 770, Denver, CO 80202

4. Well Location

Unit Letter **P** : **660** feet from the **South** line and **760** feet from the **East** line

Section **11** Township **29N** Range **13W** NMPM **San Juan** County

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

5329' GL

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Completion Report ☒

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.

Completion Report

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

SIGNATURE

Hugo Cartaya

TITLE Rocky Mountain Production Manager

DATE 8/29/02

Type or print name

Hugo Cartaya

Telephone No. **720-946-1302**

(This space for State use)

APPROVED BY

SPECIAL ORDERED BY CHARLES T. PERDUE

TITLE

DEPUTY OIL & GAS INSPECTOR, NM

DATE

SEP - 3 2002

Conditions of approval, if any:

Riverine #3
Basin Fruitland Coal Gas Field
Operator: Calpine Natural Gas Company
Drilling Contractor: L&B Speed Drill, Inc.
San Juan County, NM.

WI 48.55 %
AFE: 01-243
Objective: Drill & Complete
Spud Date: 6/18/02

NRI: 39.85%
AFE: \$195,468
Proposed TD: 1404'

07/18/02 Set frac tank and filled with fresh City water. Set flow back tank. Set 5000# frac valve directly on the 4-1/2" casing and pressure tested valve and casing to 3800 psi. Rigged up Halliburton wireline. Ran GR/CCl from 1366' to 830'. Perforated 57 (0.45") holes from 1175' to 1194' at 3 spf at 120° phasing. Depths refer to the open hole logs. Shut in frac valve. Plan to frac 7/18/02.
Daily Cost: \$ 5,610 Cum Cost: \$55,965

07/19/02 Rig up Halliburton. Hold safety meeting and pressure test lines. Established rate with 20# crosslinked Borate gel fluid. Well broke at 410# and 5.3 BPM. Increased rate to 20 BPM with 70 quality nitrogen foam. Fraced Fruitland Coal with 5,000# of 40/70 and 50,000# of 20/40 Brady sand in a 20# crosslinked Borate gel fluid and 65 - 70 quality nitrogen foam. Sand concentrations ranged from 0.25 - 4.0 ppg. Job completed at 0910 hrs 7/18/02. AIR = 17.0 BPM, MIR = 32.0 BPM, ATP = 850 psi, MTP = 1090 psi. ISIP = 1031 psi, 5 min. = 970 psi, 10 min. = 925 psi, 15 min. = 889 psi. Total fluid = 306 bbls. All fluid contained 20#/1000 cross-linked borate gel, biocide, enzyme and encapsulated breakers, foamer and SandWedge. Dropped foam quality to 65% during the 1 ppg stage to lower the rate. Frac gradient at the end of the job was 1.15 psi/ft. Job appeared to have stayed in zone. Opened well to a flow back tank and through a 1/4" choke at 1100 hrs with 640 psi. Well unloaded only nitrogen and blew down quickly. Left well open to the tank.
Daily Cost: \$ 35,847 Cum Cost: \$91,812

07/23/02 Move on location and rig up J.C. Well Service. Well was dead. Nipple down the frac valve and nipple up the tubinghead and BOP. Pick up seating nipple on 2-3/8" tubing. TIH and tag fill at 1203' GL. Attempt to load the hole and circulate, but the well was on a vacuum. TOH. Shut down to repair line on the draw works. Plan to bail fill 7/23.
Daily Cost: \$ 1,950 Cum Cost: \$93,762

07/24/02 Picked up bailer and cleaned out frac sand to 1317' GL in three runs. TOH and laid down the bailer. Ran a seating nipple on the bottom of 37 full joints and two pup joints (1177.35') of 2-3/8" tubing and landed it at 1175' GL. Top of the seating nipple is at 1174' GL. Nipped down the BOP and nipped up the well head. Picked up swab tools and made 4 runs from the seating nipple. Only recovered approximately 0.25 bbls/run of frac fluid. SI well and rigged down rig.
Daily Cost: \$ 4,155 Cum Cost: \$97,917