

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 June 10, 2003

|                                                                                          |
|------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-045-090687                                                            |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>Federal SF - 078214                                      |
| 7. Lease Name or Unit Agreement Name<br>Calpine SWD                                      |
| 8. Well Number<br>#1                                                                     |
| 9. OGRID Number<br>194807                                                                |
| 10. Pool name or Wildcat<br>Blanco Mesa Verde                                            |

**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 SWD well ☐

2. Name of Operator  
Calpine Natural Gas Company, c/o Walsh Engineering

3. Address of Operator  
7415 E. Main St., Farmington, NM 87402

4. Well Location  
Unit Letter B : 1125 feet from the North line and 1580 feet from the East line  
Section 33 Township 30N Range 13W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5509' GL

12. 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: Step - Rate Injection Test <input type="checkbox"/> |                                              | OTHER: <input type="checkbox"/>                     |                                               |

13. 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.

Perform a step - rate injection as follows. Set and fill three frac tanks with filtered water. SI injection well at least 24 hrs prior to running the test. Set a bottom hole pressure bomb at the top perf (3830'). Install gauges on the tubing and annulus. Rig up a pump truck to the tubing. Pump truck will be equipped with a flow meter and pressure recording device. Establish an injection rate with filtered produced water of 0.5 BPM and continue pumping at this rate for 15 min. Increase the rate in 0.5 BPM increments to the maximum limit of the pump truck. Pump each stage for 15 min. Monitor the pressure fall-off for 30 min. Plot the bottom hole treating pressure vs. the injection rate to determine the fracture parting pressure. BH<sub>2</sub>

A well-bore diagram and injection history are attached.

NOTIFY AZTEC OCD  
IN TIME TO WITNESS

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

SIGNATURE Paul C. Thompson TITLE Agent/Engineer DATE 1/7/04

Type or print name Paul C. Thompson E-mail address: paul@walsheng.net Telephone No. 505.327.4892

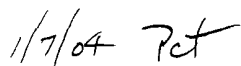
(This space for State use)

APPROVED BY Charles H. [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 00 DATE JAN - 8 2004

Conditions of approval, if any:

monitor BH Pressure

|        |                                                    |          |
|--------|----------------------------------------------------|----------|
| 13-182 | 500 SHEETS 12" X 18" 50 SHEETS EYE-EASE® 5 SQUARE  | 5 SQUARE |
| 12-381 | 100 SHEETS 12" X 18" 100 SHEETS EYE-EASE® 5 SQUARE | 5 SQUARE |
| 12-382 | 200 SHEETS 12" X 18" 200 SHEETS EYE-EASE® 5 SQUARE | 5 SQUARE |
| 12-389 | 100 RECYCLED WHITE 100 RECYCLED WHITE 5 SQUARE     | 5 SQUARE |
| 12-392 | 200 RECYCLED WHITE 200 RECYCLED WHITE 5 SQUARE     | 5 SQUARE |

**National® Brand**

Month : 11

Year : 2003

Well Name : **Calpine SWD #1**

| Day   | Tubing<br>Pressure | Casing<br>Pressure | East Side Meter           |                                  | Remarks                                                |
|-------|--------------------|--------------------|---------------------------|----------------------------------|--------------------------------------------------------|
|       |                    |                    | Water<br>Meter<br>Reading | Water<br>Prod. Into<br>Disp Sys. |                                                        |
| Prev. |                    |                    | 0                         | Bbls.                            |                                                        |
| 1     |                    |                    | 0                         | 0                                |                                                        |
| 2     |                    |                    | 0                         | 0                                |                                                        |
| 3     |                    |                    | 0                         | 0                                |                                                        |
| 4     |                    |                    | 0                         | 0                                |                                                        |
| 5     |                    |                    | 0                         | 0                                |                                                        |
| 6     |                    |                    | 0                         | 0                                |                                                        |
| 7     |                    |                    | 0                         | 0                                |                                                        |
| 8     |                    |                    | 0                         | 0                                |                                                        |
| 9     |                    |                    | 0                         | 0                                |                                                        |
| 10    |                    |                    | 0                         | 0                                |                                                        |
| 11    |                    |                    | 0                         | 0                                |                                                        |
| 12    |                    |                    | 0                         | 0                                |                                                        |
| 13    |                    |                    | 0                         | 0                                |                                                        |
| 14    | 750.00             | 0.00               | 0                         | 0                                | Start up, 2:30 pm. Inj rate 2329 BBLSPD.               |
| 15    | 350.00             | 0.00               | 1074                      | 1074                             | Down, low water level.                                 |
| 16    | 680.00             | 0.00               | 1156                      | 82                               |                                                        |
| 17    | 400.00             | 0.00               | 2296                      | 1140                             |                                                        |
| 18    | 750.00             | 0.00               | 3051                      | 755                              | Dn, high disc psi.                                     |
| 19    | 405.00             | 0.00               | 3565                      | 514                              | Main pump motor out. Install smaller plungers in pump. |
| 20    | 721.00             | 0.00               | 3824                      | 259                              | Dn, pump lube no flow.                                 |
| 21    | 680.00             | 0.00               | 4896                      | 1072                             |                                                        |
| 22    | 707.00             | 0.00               | 5657                      | 761                              | Dn, pump lube no flow.                                 |
| 23    | 720.00             | 0.00               | 6992                      | 1335                             |                                                        |
| 24    | 700.00             | 0.00               | 7515                      | 523                              |                                                        |
| 25    | 450.00             | 0.00               | 7515                      | 0                                | Low tank level.                                        |
| 26    | 692.00             | 0.00               | 8443                      | 928                              |                                                        |
| 27    | 707.00             | 0.00               | 9730                      | 1287                             |                                                        |
| 28    | 759.00             | 0.00               | 10951                     | 1221                             |                                                        |
| 29    | 721.00             | 0.00               | 11865                     | 914                              |                                                        |
| 30    | 730.00             | 0.00               | 13121                     | 1256                             |                                                        |
| 31    |                    |                    |                           |                                  |                                                        |

Average

642

0

13121

Month : 12

Year : 2003

Well Name : **Calpine SWD #1**

|       |          |          | East Side Meter     |                            | Remarks                               |
|-------|----------|----------|---------------------|----------------------------|---------------------------------------|
| Day   | Tubing   | Casing   | Water Meter Reading | Water Prod. Into Disp Sys. |                                       |
| Prev. | Pressure | Pressure | 13121               | Bbls.                      |                                       |
| 1     | 740.00   | 0.00     | 14272               | 1151                       |                                       |
| 2     | 750.00   | 0.00     | 15334               | 1062                       |                                       |
| 3     | 766.00   | 0.00     | 16292               | 958                        | Dn, high disc psi. Tub 670 # Cas 0 #. |
| 4     | 760.00   | 0.00     | 16540               | 248                        | Dn, high disc psi. Tub 605 # Cas 0 #. |
| 5     | 760.00   | 0.00     | 17112               | 572                        | Dn, high disc psi. Tub 630 # Cas 0 #. |
| 6     | 759.00   | 0.00     | 18019               | 907                        |                                       |
| 7     | 760.00   | 0.00     | 19175               | 1156                       | Dn. High disc psi.                    |
| 8     | 766.00   | 0.00     | 19969               | 794                        | Dn. High disc psi.                    |
| 9     | 766.00   | 0.00     | 20682               | 713                        | Dn. High disc psi.                    |
| 10    | 766.00   | 0.00     | 21001               | 319                        | Dn. High disc psi.                    |
| 11    | 766.00   | 0.00     | 21526               | 525                        | Dn. High disc psi.                    |
| 12    | 766.00   | 0.00     | 22118               | 592                        | Dn. High disc psi.                    |
| 13    | 750.00   | 0.00     | 22634               | 516                        | Dn. High disc psi.                    |
| 14    | 710.00   | 0.00     | 23104               | 470                        | Dn. High disc psi.                    |
| 15    | 750.00   | 0.00     | 23684               | 580                        | Dn. High disc psi.                    |
| 16    | 600.00   | 0.00     | 23814               | 130                        | Dn. High disc psi.                    |
| 17    | 680.00   | 0.00     | 24344               | 530                        | Dn. High disc psi.                    |
| 18    | 680.00   | 0.00     | 24590               | 246                        | Dn. High disc psi.                    |
| 19    | 680.00   | 0.00     | 24782               | 192                        | Dn. High disc psi.                    |
| 20    | 540.00   | 0.00     | 24782               | 0                          | Left down.                            |
| 21    | 650.00   | 0.00     | 25265               | 483                        | Dn. High disc psi.                    |
| 22    | 650.00   | 0.00     | 25521               | 256                        | Dn. High disc psi.                    |
| 23    | 650.00   | 0.00     | 25863               | 342                        | Dn. High disc psi.                    |
| 24    | 725.00   | 0.00     | 26591               | 728                        | Low tank level.                       |
| 25    |          |          | 26591               | 0                          | Left down.                            |
| 26    | 735.00   | 0.00     | 26591               | 0                          | Low tank level.                       |
| 27    | 740.00   | 0.00     | 27847               | 1256                       | Low tank level.                       |
| 28    | 740.00   | 0.00     | 28571               | 724                        | Low tank level.                       |
| 29    | 740.00   | 0.00     | 29250               | 679                        |                                       |
| 30    | 740.00   | 0.00     | 29457               | 207                        | Dn. High disc psi.                    |
| 31    | 740.00   | 0.00     | 30397               | 940                        |                                       |

Average

721

0

17276