

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT III  
1000 Rio Brazos Rd., Axtec, N.M. 87410

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                                    |                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-045-34888</b> | <sup>2</sup> Pool Code<br><b>71599 / 72319</b>                                     | <sup>3</sup> Pool Name<br><b>Basin Dakota/BLANCO MESAVERDE</b> |
| <sup>4</sup> Property Code<br><b>6882</b>      | <sup>5</sup> Property Name<br><b>ZELLA CALLOWAY</b>                                | <sup>6</sup> Well Number<br><b>1 M</b>                         |
| <sup>7</sup> OGRID No.<br><b>14538</b>         | <sup>8</sup> Operator Name<br><b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b> | <sup>9</sup> Elevation<br><b>5757'</b>                         |

<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          |
|---------------|----------|------------|------------|----------|---------------|------------------|---------------|----------------|-----------------|
| <b>A</b>      | <b>3</b> | <b>30N</b> | <b>11W</b> | <b>1</b> | <b>955'</b>   | <b>NORTH</b>     | <b>766'</b>   | <b>EAST</b>    | <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          |
|---------------|----------|------------|------------|----------|---------------|------------------|---------------|----------------|-----------------|
| <b>B</b>      | <b>3</b> | <b>30N</b> | <b>11W</b> | <b>2</b> | <b>951'</b>   | <b>NORTH</b>     | <b>1908'</b>  | <b>EAST</b>    | <b>SAN JUAN</b> |

|                                                                                                   |                               |                                  |                                                                           |
|---------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|---------------------------------------------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>DK-319.24 Acres - (E/2)</b><br><b>MV-320.40 Acres - (N/2)</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>RCVD JAN 5 '10</b><br><b>OIL CONS. DIV.</b> |
|---------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|---------------------------------------------------------------------------|

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 **DIST. 3**

18

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore entered by the division.

*Crystal Tafoya* 12/17/09  
Signature Date

**Crystal Tafoya 12/17/09**  
Printed Name

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.

**JULY 31, 2008**  
Date of Survey

Signature and Seal of Professional Surveyor:  
*David H. Russell*  
**DAVID H. RUSSELL**  
NEW MEXICO  
REGISTERED PROFESSIONAL LAND SURVEYOR  
10201

**DAVID RUSSELL**  
Certificate Number 10201

18

4 3 2 1

MULTIPLE FEE LEASES

BOTTOM HOLE

DIRECTIONAL DRILL  
WEST 1164.02'

WELL FLAG  
LAT. 36.84558° N (NAD83)  
LONG. 107.97199° W (NAD83)  
LAT. 36°50.73458' N (NAD27)  
LONG. 107°58.28203' W (NAD27)

LEASE # USA  
NMSF-078841

SP CALC

FND 2 1/2" PIPE  
NO CAP

FND 3 1/2" BC  
BLM 1953

S 89°55'33" E 2633.01' (M)  
S 89°52' W 2630.10' (R)

2647.54' (M)  
2636.04' (R)

N 1°05'24" E  
N 1°18' E

N 89°19'33" W 2631.03' (M)  
N 89°32' W 2628.12' (R)



# COP Deviation Report

## ZELLA CALLOWAY #1M

|                                                          |                                      |                         |                         |                              |
|----------------------------------------------------------|--------------------------------------|-------------------------|-------------------------|------------------------------|
| Operator<br>BURLINGTON RESOURCES OIL &<br>GAS COMPANY LP | Legal WellName<br>ZELLA CALLOWAY #1M | API / UWI<br>3004534888 | County<br>SAN JUAN      | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>003-030N-011W-A                | N/S Dist (ft)<br>955.00              | N/S Ref<br>FNL          | E/W Dist (ft)<br>766.00 | E/W Ref<br>FEL               |

| Survey Data |           |          |        |                     |  |
|-------------|-----------|----------|--------|---------------------|--|
| Date        | MD (ftKB) | Incl (°) | Method | Survey Company      |  |
| 4/25/2009   | 251.00    | 0.17     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 313.00    | 0.81     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 375.00    | 1.72     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 436.00    | 3.14     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 498.00    | 3.88     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 559.00    | 5.21     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 618.00    | 6.41     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 680.00    | 7.73     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 741.00    | 8.96     | MWD    | Scientific Drilling |  |
| 4/25/2009   | 804.00    | 10.08    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 866.00    | 11.04    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 929.00    | 12.92    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 991.00    | 14.16    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,054.00  | 15.38    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,116.00  | 16.57    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,178.00  | 17.67    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,240.00  | 18.89    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,302.00  | 19.71    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,364.00  | 20.54    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,427.00  | 21.79    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,490.00  | 23.17    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,553.00  | 24.26    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,616.00  | 26.02    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,679.00  | 26.48    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,742.00  | 26.32    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,804.00  | 26.32    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,804.00  | 26.32    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,867.00  | 25.54    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,930.00  | 24.53    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 1,992.00  | 23.80    | MWD    | Scientific Drilling |  |
| 4/27/2009   | 2,055.00  | 23.86    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 2,117.00  | 23.27    | MWD    | Scientific Drilling |  |
| 4/25/2009   | 2,180.00  | 22.54    | MWD    | Scientific Drilling |  |
| 4/26/2009   | 2,243.00  | 22.54    | MWD    | Scientific Drilling |  |
| 4/26/2009   | 2,306.00  | 22.97    | MWD    | Scientific Drilling |  |

I, the undersigned, certify that I acting in my capacity as \_\_\_\_\_ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this \_\_\_\_\_

Notary Public in and for San Juan County, New Mexico

My Commission expires \_\_\_\_\_



COP Deviation Report  
ZELLA CALLOWAY #1M

Survey Data

| Date      | MD (ftKB) | Incl (°) | Method    | Survey Company      |
|-----------|-----------|----------|-----------|---------------------|
| 4/26/2009 | 2,368.00  | 23.16    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,431.00  | 23.98    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,494.00  | 25.64    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,556.00  | 26.02    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,619.00  | 25.52    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,681.00  | 24.72    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,744.00  | 24.06    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,806.00  | 23.32    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,868.00  | 22.47    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,930.00  | 21.86    | MWD       | Scientific Drilling |
| 4/26/2009 | 2,993.00  | 20.65    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,056.00  | 20.45    | MWD       | Scientific Drilling |
| 4/26/2009 | 3,056.00  | 20.45    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,119.00  | 19.65    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,181.00  | 18.43    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,244.00  | 18.41    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,307.00  | 17.60    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,369.00  | 16.57    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,432.00  | 15.34    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,494.00  | 14.05    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,557.00  | 12.39    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,620.00  | 12.21    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,683.00  | 12.74    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,745.00  | 13.82    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,808.00  | 13.92    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,871.00  | 12.18    | MWD       | Scientific Drilling |
| 4/27/2009 | 3,933.00  | 9.94     | MWD       | Scientific Drilling |
| 4/27/2009 | 3,996.00  | 8.37     | MWD       | Scientific Drilling |
| 4/27/2009 | 4,058.00  | 7.15     | MWD       | Scientific Drilling |
| 4/27/2009 | 4,121.00  | 6.41     | MWD       | Scientific Drilling |
| 4/27/2009 | 4,180.00  | 5.31     | MWD       | Scientific Drilling |
| 5/11/2009 | 7,060.00  | 1.50     | FINAL BHS | PHOENIX             |

RCVD JAN 5 '10  
OIL CONS. DIV.  
DIST. 3

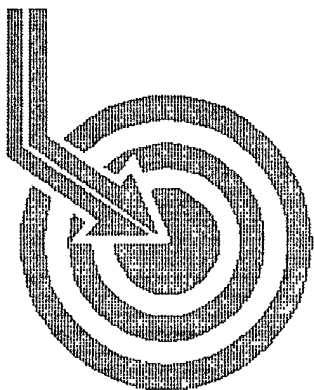
I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

*[Signature]*

Subscribed and sworn to me this Jan 4, 2010

*[Signature]*  
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



# Scientific Drilling

RCVD JAN 5 '10  
OIL CONS. DIV.  
DIST. 3

## BURLINGTON RESOURCES

Field: Zella Calloway  
Site: Rio Arriba County, NM  
Well: Zella Calloway #1M  
Wellpath: DH - Job #33D0409073  
Survey: 04/24/09-04/28/09  
API # 30.045 . 34888

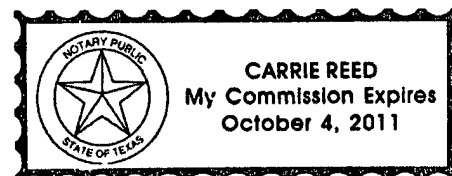
This survey is correct to the best of my knowledge  
and is supported by actual field data.

.....*L. Wharton*.....Company Representative

Notorized this date 4th of May, 2009.

*Carrie Reed*

Notary Signature  
County of Midland  
State of Texas



AL



# Scientific Drilling International

## Survey Report

**Company:** BURLINGTON RESOURCES  
**Field:** Zella Calloway  
**Site:** Rio Arriba County, NM  
**Well:** Zella Calloway #1M  
**Wellpath:** DH - Job #33D0409073

**Date:** 05/04/2009  
**Co-ordinate(NE) Reference:** Site: Rio Arriba County, NM, True North  
**Vertical (TVD) Reference:** SITE 0.0  
**Section (VS) Reference:** Well (0.00N,0.00E,270.00Azi)  
**Survey Calculation Method:** Minimum Curvature **Db:** Sybase

**Survey:** 04/24/09-04/28/09  
**Start Date:** 04/24/2009  
**Company:** Scientific Drilling Internatio  
**Engineer:** Lowe/Richey/Buchanan/Kasbaum  
**Tool:** E-field;E-field  
**Tied-to:** From Surface

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 0.00        | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 251.00   | 0.17        | 201.67      | 251.00    | 0.14     | -0.35     | -0.14     | 0.07             | 0.37       | 201.67      |
| 313.00   | 0.81        | 327.98      | 313.00    | 0.40     | -0.06     | -0.40     | 1.49             | 0.41       | 261.56      |
| 375.00   | 1.72        | 294.90      | 374.98    | 1.48     | 0.70      | -1.48     | 1.82             | 1.64       | 295.42      |
| 436.00   | 3.14        | 294.19      | 435.93    | 3.83     | 1.77      | -3.83     | 2.33             | 4.22       | 294.82      |
| 498.00   | 3.88        | 283.86      | 497.81    | 7.42     | 2.97      | -7.42     | 1.57             | 7.99       | 291.83      |
| 559.00   | 5.21        | 278.89      | 558.62    | 12.16    | 3.89      | -12.16    | 2.27             | 12.77      | 287.76      |
| 618.00   | 6.41        | 275.53      | 617.31    | 18.09    | 4.63      | -18.09    | 2.11             | 18.67      | 284.35      |
| 680.00   | 7.73        | 271.91      | 678.84    | 25.70    | 5.10      | -25.70    | 2.25             | 26.20      | 281.22      |
| 741.00   | 8.96        | 270.94      | 739.19    | 34.55    | 5.31      | -34.55    | 2.03             | 34.95      | 278.74      |
| 804.00   | 10.08       | 271.66      | 801.33    | 44.96    | 5.55      | -44.96    | 1.79             | 45.31      | 277.04      |
| 866.00   | 11.04       | 273.71      | 862.27    | 56.31    | 6.09      | -56.31    | 1.66             | 56.64      | 276.18      |
| 929.00   | 12.92       | 273.86      | 923.90    | 69.36    | 6.96      | -69.36    | 2.98             | 69.71      | 275.73      |
| 991.00   | 14.16       | 272.40      | 984.18    | 83.85    | 7.74      | -83.85    | 2.07             | 84.21      | 275.28      |
| 1054.00  | 15.38       | 271.40      | 1045.09   | 99.90    | 8.27      | -99.90    | 1.98             | 100.25     | 274.73      |
| 1116.00  | 16.57       | 268.97      | 1104.70   | 116.96   | 8.31      | -116.96   | 2.20             | 117.26     | 274.06      |
| 1178.00  | 17.67       | 267.13      | 1163.95   | 135.20   | 7.68      | -135.20   | 1.98             | 135.42     | 273.25      |
| 1240.00  | 18.89       | 267.63      | 1222.82   | 154.63   | 6.80      | -154.63   | 1.98             | 154.78     | 272.52      |
| 1302.00  | 19.71       | 269.07      | 1281.34   | 175.11   | 6.21      | -175.11   | 1.53             | 175.22     | 272.03      |
| 1364.00  | 20.54       | 269.16      | 1339.55   | 196.44   | 5.88      | -196.44   | 1.34             | 196.53     | 271.71      |
| 1427.00  | 21.79       | 268.99      | 1398.30   | 219.18   | 5.51      | -219.18   | 1.99             | 219.25     | 271.44      |
| 1490.00  | 23.17       | 268.31      | 1456.51   | 243.26   | 4.94      | -243.26   | 2.23             | 243.31     | 271.16      |
| 1553.00  | 24.26       | 268.19      | 1514.19   | 268.59   | 4.17      | -268.59   | 1.73             | 268.62     | 270.89      |
| 1616.00  | 26.02       | 267.37      | 1571.22   | 295.33   | 3.12      | -295.33   | 2.85             | 295.35     | 270.61      |
| 1679.00  | 26.48       | 267.62      | 1627.72   | 323.17   | 1.91      | -323.17   | 0.75             | 323.17     | 270.34      |
| 1742.00  | 26.32       | 267.03      | 1684.15   | 351.15   | 0.60      | -351.15   | 0.49             | 351.15     | 270.10      |
| 1804.00  | 26.32       | 267.03      | 1739.73   | 378.60   | -0.82     | -378.60   | 0.00             | 378.60     | 269.88      |
| 1867.00  | 25.54       | 269.65      | 1796.38   | 406.13   | -1.63     | -406.13   | 2.20             | 406.14     | 269.77      |
| 1930.00  | 24.53       | 269.72      | 1853.46   | 432.79   | -1.78     | -432.79   | 1.60             | 432.80     | 269.76      |
| 1992.00  | 23.80       | 267.51      | 1910.03   | 458.16   | -2.38     | -458.16   | 1.87             | 458.17     | 269.70      |
| 2055.00  | 23.86       | 268.62      | 1967.66   | 483.60   | -3.24     | -483.60   | 0.72             | 483.61     | 269.62      |
| 2117.00  | 23.27       | 268.30      | 2024.49   | 508.38   | -3.91     | -508.38   | 0.97             | 508.39     | 269.56      |
| 2180.00  | 22.54       | 268.03      | 2082.52   | 532.88   | -4.69     | -532.88   | 1.17             | 532.90     | 269.50      |
| 2243.00  | 22.54       | 269.49      | 2140.71   | 557.03   | -5.22     | -557.03   | 0.89             | 557.05     | 269.46      |
| 2306.00  | 22.97       | 271.92      | 2198.81   | 581.39   | -4.91     | -581.39   | 1.64             | 581.41     | 269.52      |
| 2368.00  | 23.16       | 271.35      | 2255.85   | 605.67   | -4.22     | -605.67   | 0.47             | 605.68     | 269.60      |
| 2431.00  | 23.98       | 271.61      | 2313.60   | 630.85   | -3.57     | -630.85   | 1.31             | 630.86     | 269.68      |
| 2494.00  | 25.64       | 272.42      | 2370.78   | 657.27   | -2.63     | -657.27   | 2.69             | 657.27     | 269.77      |
| 2556.00  | 26.02       | 272.86      | 2426.59   | 684.25   | -1.39     | -684.25   | 0.69             | 684.25     | 269.88      |
| 2619.00  | 25.52       | 272.90      | 2483.32   | 711.61   | -0.01     | -711.61   | 0.79             | 711.61     | 270.00      |
| 2681.00  | 24.72       | 272.97      | 2539.46   | 737.89   | 1.34      | -737.89   | 1.29             | 737.89     | 270.10      |
| 2744.00  | 24.06       | 270.47      | 2596.83   | 763.89   | 2.12      | -763.89   | 1.94             | 763.89     | 270.16      |
| 2806.00  | 23.32       | 268.39      | 2653.61   | 788.80   | 1.88      | -788.80   | 1.80             | 788.80     | 270.14      |
| 2868.00  | 22.47       | 268.52      | 2710.73   | 812.91   | 1.23      | -812.91   | 1.37             | 812.91     | 270.09      |
| 2930.00  | 21.86       | 269.80      | 2768.14   | 836.30   | 0.89      | -836.30   | 1.25             | 836.30     | 270.06      |
| 2993.00  | 20.65       | 270.44      | 2826.86   | 859.13   | 0.93      | -859.13   | 1.96             | 859.13     | 270.06      |
| 3056.00  | 20.45       | 271.17      | 2885.85   | 881.25   | 1.24      | -881.25   | 0.52             | 881.25     | 270.08      |
| 3119.00  | 19.65       | 271.24      | 2945.03   | 902.84   | 1.69      | -902.84   | 1.27             | 902.84     | 270.11      |
| 3181.00  | 18.43       | 270.64      | 3003.64   | 923.06   | 2.03      | -923.06   | 1.99             | 923.06     | 270.13      |



# Scientific Drilling International

## Survey Report

Company: BURLINGTON RESOURCES

Field: Zella Calloway

Site: Rio Arriba County, NM

Well: Zella Calloway #1M

Wellpath: DH - Job #33D0409073

Date: 05/04/2009

Time: 10:28:54

Page: 2

Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North

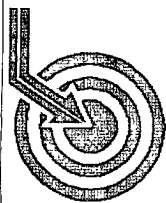
Vertical (TVD) Reference: SITE 0.0

Section (VS) Reference: Well (0.00N,0.00E,270.00Azi)

Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 3244.00  | 18.41       | 271.20      | 3063.41   | 942.97   | 2.35      | -942.97   | 0.28             | 942.97     | 270.14      |
| 3307.00  | 17.60       | 269.79      | 3123.32   | 962.44   | 2.52      | -962.44   | 1.46             | 962.44     | 270.15      |
| 3369.00  | 16.57       | 269.67      | 3182.59   | 980.65   | 2.44      | -980.65   | 1.66             | 980.65     | 270.14      |
| 3432.00  | 15.34       | 268.80      | 3243.16   | 997.97   | 2.21      | -997.97   | 1.99             | 997.97     | 270.13      |
| 3494.00  | 14.05       | 267.64      | 3303.13   | 1013.69  | 1.73      | -1013.69  | 2.13             | 1013.69    | 270.10      |
| 3557.00  | 12.39       | 265.61      | 3364.46   | 1028.07  | 0.90      | -1028.07  | 2.74             | 1028.07    | 270.05      |
| 3620.00  | 12.21       | 266.72      | 3426.01   | 1041.46  | 0.00      | -1041.46  | 0.47             | 1041.46    | 270.00      |
| 3683.00  | 12.74       | 269.85      | 3487.53   | 1055.06  | -0.40     | -1055.06  | 1.36             | 1055.06    | 269.98      |
| 3745.00  | 13.82       | 271.91      | 3547.87   | 1069.29  | -0.17     | -1069.29  | 1.90             | 1069.29    | 269.99      |
| 3808.00  | 13.92       | 272.08      | 3609.03   | 1084.39  | 0.35      | -1084.39  | 0.17             | 1084.39    | 270.02      |
| 3871.00  | 12.18       | 269.89      | 3670.40   | 1098.61  | 0.62      | -1098.61  | 2.87             | 1098.61    | 270.03      |
| 3933.00  | 9.94        | 267.27      | 3731.25   | 1110.49  | 0.35      | -1110.49  | 3.70             | 1110.49    | 270.02      |
| 3996.00  | 8.37        | 264.02      | 3793.44   | 1120.49  | -0.39     | -1120.49  | 2.62             | 1120.49    | 269.98      |
| 4058.00  | 7.15        | 261.44      | 3854.87   | 1128.79  | -1.43     | -1128.79  | 2.05             | 1128.79    | 269.93      |
| 4121.00  | 6.41        | 258.73      | 3917.43   | 1136.12  | -2.70     | -1136.12  | 1.28             | 1136.12    | 269.86      |
| 4180.00  | 5.31        | 251.90      | 3976.12   | 1141.94  | -4.19     | -1141.94  | 2.20             | 1141.95    | 269.79      |



Scientific  
Drilling

Field: Zella Calloway  
Site: Rio Arriba County, NM  
Well: Zella Calloway #1M  
Wellpath: DH - Job #33D0409073  
Survey: 04/24/09-04/28/09

