

RCVD NOV 10 '08  
OIL CONS. DIV.

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  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

*As Drilled Plat*

☐ AMENDED REPORT

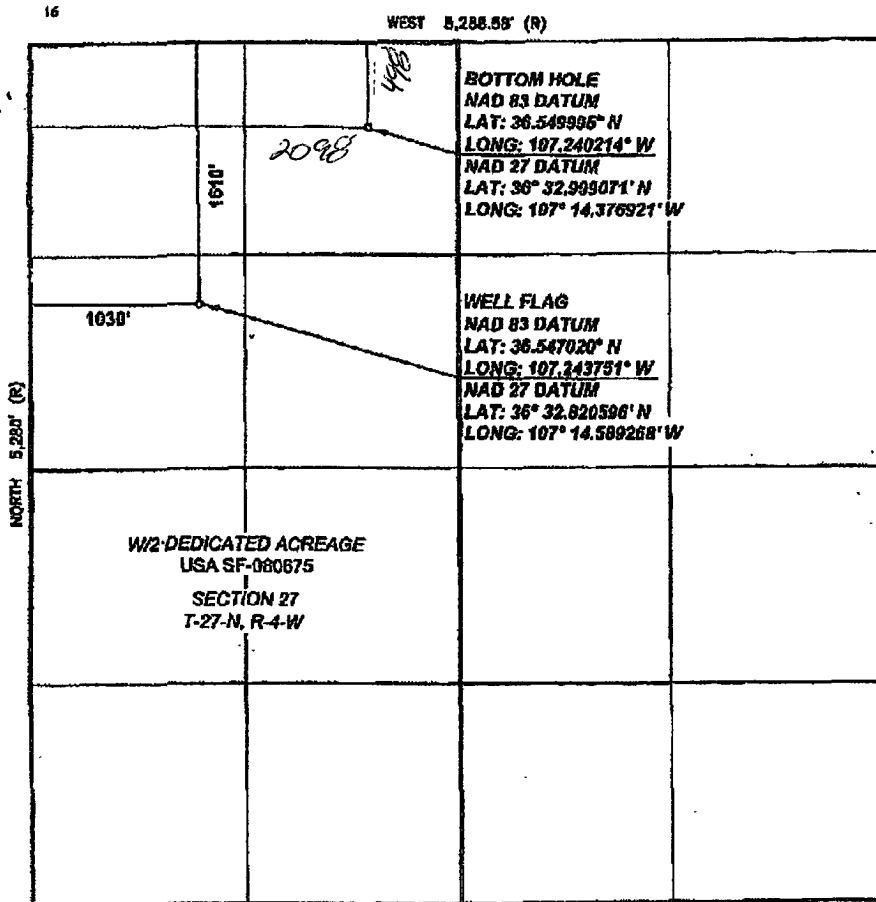
WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                           |  |                                                                           |  |                                              |                                  |
|-------------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------------------------|----------------------------------|
| <sup>1</sup> API Number<br>30-039 - 30420 |  | <sup>2</sup> Pool Code<br>72319/71599                                     |  | <sup>3</sup> Pool Name<br>MESAVARDE / DAKOTA |                                  |
| <sup>4</sup> Property Code<br>7452        |  | <sup>5</sup> Property Name<br>SAN JUAN 27-4 UNIT                          |  |                                              | <sup>6</sup> Well Number<br>133N |
| <sup>7</sup> OGRID No.<br>14538           |  | <sup>8</sup> Operator Name<br>BURLINGTON RESOURCES OIL AND GAS COMPANY LP |  |                                              | <sup>9</sup> Elevation<br>7200   |

| 10 SURFACE LOCATION |         |          |       |         |                |                  |               |                | County     |
|---------------------|---------|----------|-------|---------|----------------|------------------|---------------|----------------|------------|
| UL or lot no.       | Section | Township | Range | Lot Idn | Feet from this | North/South line | Feet from the | East/West line |            |
| E                   | 27      | 27-N     | 4-W   |         | 1810           | NORTH            | 1030          | WEST           | RIO ARriba |

| 11 Bottom Hole Location If Different From Surface |         |                               |       |                                  |                |                         |               |                |            |
|---------------------------------------------------|---------|-------------------------------|-------|----------------------------------|----------------|-------------------------|---------------|----------------|------------|
| UL or lot no.                                     | Section | Township                      | Range | Lot Idn                          | Feet from this | North/South line        | Feet from the | East/West line | County     |
| C                                                 | 27      | 27-N                          | 4-W   |                                  | 498            | NORTH                   | 2098          | WEST           | RIO ARriba |
| <sup>12</sup> Dedicated Acres<br>320 W/2          |         | <sup>13</sup> Joint or Infill |       | <sup>14</sup> Consolidation Code |                | <sup>15</sup> Order No. |               |                |            |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

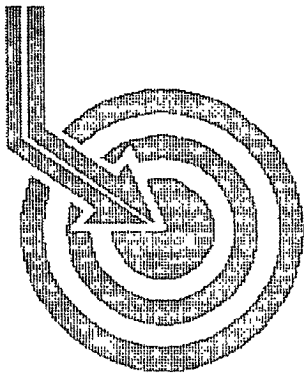


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>17 OPERATOR CERTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |
| 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 unshared 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 of such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order heretofore entered. |                                             |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <i>[Signature]</i>                          |
| Printed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Kelly J. S.                                 |
| Regulatory Technician                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |
| Title and E-mail Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 11-3-08                                     |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
| <b>18 SURVEYOR CERTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |
| 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: 4/19/07                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Signature and Seal of Professional Surveyor |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |
| Certificate Number: NM 11393                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |

HOLD C104 FOR Dev. Survey at T.R

B 11/17

11-17-08  
INPA.



# Scientific Drilling

## BURLINGTON RESOURCES

Field: San Juan  
Site: Rio Arriba County, NM  
Well: San Juan 27-4 #133N  
Wellpath: DH - Job #33D0708150  
Survey: 07/18/08-07/24/08

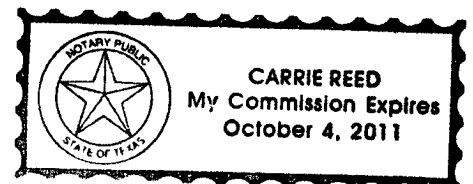
RCVD NOV 10 '08  
OIL CONS. DIV.  
DIST. 3

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

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

Notorized this date 12th of August, 2008.

*Carrie Reed*  
Notary Signature  
County of Midland  
State of Texas





# Scientific Drilling International Survey Report

|                                      |                                                                           |                       |                |
|--------------------------------------|---------------------------------------------------------------------------|-----------------------|----------------|
| <b>Company:</b> BURLINGTON RESOURCES | <b>Date:</b> 08/11/2008                                                   | <b>Time:</b> 17:34:15 | <b>Page:</b> 1 |
| <b>Field:</b> San Juan               | <b>Co-ordinate(NE) Reference:</b> Site: Rio Arriba County, NM, True North |                       |                |
| <b>Site:</b> Rio Arriba County, NM   | <b>Vertical (TVD) Reference:</b> SITE 0.0                                 |                       |                |
| <b>Well:</b> San Juan 27-4 #133N     | <b>Section (VS) Reference:</b> Well (0.00N,0.00E,43.83Azi)                |                       |                |
| <b>Wellpath:</b> DH- Job #33D0708150 | <b>Survey Calculation Method:</b> Minimum Curvature                       | <b>Db:</b> Sybase     |                |

|                                                |                                                 |
|------------------------------------------------|-------------------------------------------------|
| <b>Survey:</b> 07/18/08-07/24/08               | <b>Start Date:</b> 07/18/2008                   |
| <b>E-field:</b> 0'-5570'                       |                                                 |
| <b>Company:</b> Scientific Drilling Internatio | <b>Engineer:</b> Calvert/Lockard/Clifton/Mitche |
| <b>Tool:</b> E-field;E-field                   | <b>Tied-to:</b> 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        |
| 367.00   | 0.93         | 355.08      | 366.98    | 1.96     | 2.97      | -0.26     | 0.25             | 2.98       | 355.08      |
| 429.00   | 1.71         | 29.62       | 428.97    | 3.19     | 4.27      | 0.16      | 1.74             | 4.28       | 2.13        |
| 491.00   | 2.70         | 45.22       | 490.92    | 5.55     | 6.11      | 1.65      | 1.85             | 6.33       | 15.14       |
| 552.00   | 4.47         | 51.71       | 551.80    | 9.34     | 8.59      | 4.54      | 2.97             | 9.72       | 27.85       |
|          |              |             |           |          |           |           |                  |            |             |
| 613.00   | 5.39         | 49.05       | 612.57    | 14.55    | 11.94     | 8.57      | 1.55             | 14.70      | 35.66       |
| 674.00   | 7.03         | 45.59       | 673.21    | 21.13    | 16.43     | 13.40     | 2.76             | 21.20      | 39.19       |
| 736.00   | 8.06         | 43.83       | 734.68    | 29.27    | 22.22     | 19.12     | 1.70             | 29.32      | 40.71       |
| 798.00   | 8.01         | 47.09       | 796.07    | 37.93    | 28.30     | 25.29     | 0.74             | 37.96      | 41.79       |
| 859.00   | 8.59         | 46.80       | 856.43    | 46.72    | 34.31     | 31.73     | 0.95             | 46.73      | 42.76       |
|          |              |             |           |          |           |           |                  |            |             |
| 921.00   | 9.38         | 44.99       | 917.67    | 56.40    | 41.05     | 38.67     | 1.35             | 56.40      | 43.29       |
| 983.00   | 11.30        | 43.55       | 978.66    | 67.53    | 49.03     | 46.43     | 3.12             | 67.53      | 43.44       |
| 1046.00  | 12.90        | 41.72       | 1040.26   | 80.73    | 58.75     | 55.37     | 2.61             | 80.73      | 43.30       |
| 1108.00  | 13.82        | 41.55       | 1100.58   | 95.04    | 69.46     | 64.88     | 1.49             | 95.05      | 43.05       |
| 1171.00  | 14.84        | 42.15       | 1161.62   | 110.63   | 81.07     | 75.29     | 1.64             | 110.64     | 42.88       |
|          |              |             |           |          |           |           |                  |            |             |
| 1234.00  | 15.33        | 42.81       | 1222.45   | 127.02   | 93.17     | 86.36     | 0.82             | 127.04     | 42.83       |
| 1297.00  | 16.04        | 42.94       | 1283.10   | 144.05   | 105.65    | 97.95     | 1.13             | 144.07     | 42.84       |
| 1359.00  | 18.11        | 42.54       | 1342.36   | 162.25   | 119.02    | 110.30    | 3.34             | 162.27     | 42.82       |
| 1422.00  | 19.62        | 43.36       | 1401.98   | 182.61   | 133.92    | 124.18    | 2.43             | 182.64     | 42.84       |
| 1484.00  | 19.82        | 41.73       | 1460.34   | 203.53   | 149.34    | 138.33    | 0.94             | 203.56     | 42.81       |
|          |              |             |           |          |           |           |                  |            |             |
| 1547.00  | 20.51        | 44.74       | 1519.48   | 225.24   | 165.15    | 153.21    | 1.98             | 225.27     | 42.85       |
| 1610.00  | 20.39        | 44.55       | 1578.51   | 247.25   | 180.81    | 168.67    | 0.22             | 247.27     | 43.01       |
| 1672.00  | 19.95        | 44.52       | 1636.71   | 268.62   | 196.05    | 183.67    | 0.71             | 268.64     | 43.13       |
| 1734.00  | 19.78        | 44.80       | 1695.02   | 289.69   | 211.03    | 198.48    | 0.31             | 289.70     | 43.24       |
| 1796.00  | 20.36        | 45.39       | 1753.25   | 310.96   | 226.05    | 213.55    | 0.99             | 310.97     | 43.37       |
|          |              |             |           |          |           |           |                  |            |             |
| 1860.00  | 22.15        | 46.00       | 1812.90   | 334.15   | 242.25    | 230.15    | 2.82             | 334.15     | 43.53       |
| 1923.00  | 22.16        | 46.54       | 1871.25   | 357.88   | 258.68    | 247.32    | 0.32             | 357.88     | 43.71       |
| 1987.00  | 21.47        | 45.05       | 1930.66   | 381.65   | 275.25    | 264.37    | 1.38             | 381.65     | 43.84       |
| 2050.00  | 20.32        | 41.31       | 1989.52   | 404.11   | 291.62    | 279.75    | 2.79             | 404.11     | 43.81       |
| 2113.00  | 20.11        | 40.25       | 2048.64   | 425.84   | 308.10    | 293.97    | 0.67             | 425.85     | 43.66       |
|          |              |             |           |          |           |           |                  |            |             |
| 2177.00  | 20.32        | 38.97       | 2108.70   | 447.90   | 325.14    | 308.07    | 0.77             | 447.91     | 43.46       |
| 2239.00  | 20.11        | 41.90       | 2166.88   | 469.28   | 341.44    | 321.96    | 1.67             | 469.30     | 43.32       |
| 2302.00  | 20.41        | 46.40       | 2225.99   | 491.08   | 357.08    | 337.15    | 2.52             | 491.09     | 43.36       |
| 2364.00  | 20.22        | 46.11       | 2284.13   | 512.58   | 371.96    | 352.70    | 0.35             | 512.59     | 43.48       |
| 2426.00  | 19.60        | 46.66       | 2342.43   | 533.67   | 386.53    | 367.98    | 1.04             | 533.68     | 43.59       |
|          |              |             |           |          |           |           |                  |            |             |
| 2489.00  | 20.32        | 43.03       | 2401.64   | 555.17   | 401.77    | 383.13    | 2.27             | 555.17     | 43.64       |
| 2553.00  | 20.18        | 41.39       | 2461.69   | 577.31   | 418.18    | 398.02    | 0.91             | 577.31     | 43.58       |
| 2617.00  | 19.79        | 43.65       | 2521.84   | 599.17   | 434.30    | 412.79    | 1.35             | 599.18     | 43.55       |
| 2680.00  | 19.66        | 43.96       | 2581.14   | 620.43   | 449.65    | 427.51    | 0.26             | 620.44     | 43.55       |
| 2743.00  | 19.26        | 43.69       | 2640.54   | 641.42   | 464.79    | 442.04    | 0.65             | 641.43     | 43.56       |
|          |              |             |           |          |           |           |                  |            |             |
| 2805.00  | 19.30        | 44.47       | 2699.06   | 661.89   | 479.49    | 456.29    | 0.42             | 661.90     | 43.58       |
| 2867.00  | 20.16        | 43.76       | 2757.42   | 682.82   | 494.52    | 470.85    | 1.44             | 682.83     | 43.60       |
| 2930.00  | 20.85        | 45.00       | 2816.43   | 704.89   | 510.29    | 486.29    | 1.29             | 704.89     | 43.62       |
| 2993.00  | 20.43        | 44.74       | 2875.39   | 727.09   | 526.03    | 501.96    | 0.68             | 727.10     | 43.66       |
| 3057.00  | 19.64        | 43.86       | 2935.51   | 749.02   | 541.72    | 517.27    | 1.32             | 749.02     | 43.68       |
|          |              |             |           |          |           |           |                  |            |             |
| 3119.00  | 19.10        | 44.48       | 2994.00   | 769.58   | 556.47    | 531.60    | 0.93             | 769.58     | 43.69       |
| 3182.00  | 18.82        | 43.95       | 3053.59   | 790.05   | 571.14    | 545.87    | 0.52             | 790.05     | 43.70       |
| 3243.00  | 20.31        | 43.24       | 3111.06   | 810.47   | 585.94    | 559.96    | 2.47             | 810.48     | 43.70       |
| 3306.00  | 21.00        | 42.55       | 3170.01   | 832.69   | 602.22    | 575.08    | 1.16             | 832.70     | 43.68       |

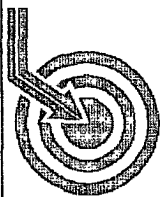


# Scientific Drilling International Survey Report

|                                       |                                   |                                                |                |
|---------------------------------------|-----------------------------------|------------------------------------------------|----------------|
| <b>Company:</b> BURLINGTON RESOURCES  | <b>Date:</b> 08/11/2008           | <b>Time:</b> 17:34:15                          | <b>Page:</b> 2 |
| <b>Field:</b> San Juan                | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> Rio Arriba County, NM, True North |                |
| <b>Site:</b> Rio Arriba County, NM    | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                                |                |
| <b>Well:</b> San Juan 27-4 #133N      | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,43.83Azi)             |                |
| <b>Wellpath:</b> DH - Job #33D0708150 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b> <b>Db:</b> 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 |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 3370.00  | 20.28       | 42.74       | 3229.90   | 855.25   | 618.81    | 590.36    | 1.13             | 855.25     | 43.65       |
| 3431.00  | 20.32       | 45.88       | 3287.12   | 876.40   | 633.95    | 605.14    | 1.79             | 876.41     | 43.67       |
| 3495.00  | 20.20       | 46.87       | 3347.16   | 898.54   | 649.24    | 621.18    | 0.57             | 898.54     | 43.73       |
| 3559.00  | 20.03       | 46.19       | 3407.25   | 920.53   | 664.38    | 637.16    | 0.45             | 920.53     | 43.80       |
| 3655.00  | 20.95       | 46.26       | 3497.18   | 954.10   | 687.63    | 661.42    | 0.96             | 954.10     | 43.89       |
| 3716.00  | 21.15       | 41.86       | 3554.11   | 976.00   | 703.37    | 676.64    | 2.61             | 976.00     | 43.89       |
| 3748.00  | 21.15       | 41.59       | 3583.96   | 987.54   | 711.98    | 684.33    | 0.30             | 987.54     | 43.87       |
| 3811.00  | 21.53       | 41.00       | 3642.64   | 1010.44  | 729.21    | 699.46    | 0.69             | 1010.44    | 43.81       |
| 3874.00  | 21.03       | 40.08       | 3701.34   | 1033.26  | 746.58    | 714.32    | 0.95             | 1033.27    | 43.73       |
| 3937.00  | 20.18       | 42.35       | 3760.31   | 1055.41  | 763.26    | 728.92    | 1.85             | 1055.41    | 43.68       |
| 3999.00  | 19.68       | 43.60       | 3818.60   | 1076.54  | 778.73    | 743.32    | 1.06             | 1076.54    | 43.67       |
| 4062.00  | 18.86       | 43.32       | 3878.07   | 1097.33  | 793.82    | 757.62    | 1.31             | 1097.33    | 43.66       |
| 4125.00  | 17.77       | 46.02       | 3937.88   | 1117.12  | 807.90    | 771.53    | 2.19             | 1117.12    | 43.68       |
| 4187.00  | 16.94       | 44.13       | 3997.05   | 1135.61  | 820.96    | 784.63    | 1.62             | 1135.61    | 43.70       |
| 4250.00  | 16.96       | 44.13       | 4057.32   | 1153.97  | 834.14    | 797.41    | 0.03             | 1153.98    | 43.71       |
| 4313.00  | 18.45       | 44.43       | 4117.33   | 1173.13  | 847.85    | 810.79    | 2.37             | 1173.13    | 43.72       |
| 4376.00  | 18.24       | 44.14       | 4177.13   | 1192.96  | 862.05    | 824.64    | 0.36             | 1192.96    | 43.73       |
| 4439.00  | 18.05       | 44.99       | 4237.00   | 1212.58  | 876.03    | 838.40    | 0.52             | 1212.58    | 43.74       |
| 4503.00  | 18.92       | 44.75       | 4297.70   | 1232.86  | 890.41    | 852.72    | 1.36             | 1232.86    | 43.76       |
| 4566.00  | 18.40       | 45.66       | 4357.38   | 1253.01  | 904.61    | 867.02    | 0.95             | 1253.01    | 43.78       |
| 4629.00  | 19.53       | 43.29       | 4416.96   | 1273.48  | 919.23    | 881.35    | 2.17             | 1273.48    | 43.80       |
| 4691.00  | 20.34       | 42.34       | 4475.25   | 1294.62  | 934.73    | 895.72    | 1.41             | 1294.62    | 43.78       |
| 4753.00  | 20.57       | 43.28       | 4533.34   | 1316.28  | 950.63    | 910.44    | 0.65             | 1316.28    | 43.76       |
| 4816.00  | 21.21       | 45.24       | 4592.20   | 1338.74  | 966.71    | 926.12    | 1.50             | 1338.74    | 43.77       |
| 4879.00  | 22.94       | 47.03       | 4650.58   | 1362.40  | 983.11    | 943.20    | 2.95             | 1362.40    | 43.81       |
| 4941.00  | 23.27       | 46.57       | 4707.61   | 1386.69  | 999.76    | 960.93    | 0.61             | 1386.69    | 43.87       |
| 5003.00  | 22.44       | 44.70       | 4764.74   | 1410.76  | 1016.59   | 978.15    | 1.78             | 1410.76    | 43.90       |
| 5067.00  | 20.05       | 43.97       | 4824.38   | 1433.95  | 1033.17   | 994.36    | 3.76             | 1433.95    | 43.90       |
| 5131.00  | 17.99       | 42.90       | 4884.89   | 1454.80  | 1048.31   | 1008.71   | 3.26             | 1454.80    | 43.90       |
| 5193.00  | 16.18       | 43.48       | 4944.15   | 1473.01  | 1061.59   | 1021.17   | 2.93             | 1473.01    | 43.89       |
| 5257.00  | 13.95       | 41.48       | 5005.95   | 1489.64  | 1073.84   | 1032.42   | 3.58             | 1489.64    | 43.87       |
| 5319.00  | 12.75       | 41.11       | 5066.27   | 1503.94  | 1084.60   | 1041.87   | 1.94             | 1503.94    | 43.85       |
| 5382.00  | 11.16       | 43.08       | 5127.90   | 1516.98  | 1094.29   | 1050.60   | 2.61             | 1516.98    | 43.83       |
| 5445.00  | 8.67        | 46.06       | 5189.96   | 1527.83  | 1102.04   | 1058.19   | 4.03             | 1527.83    | 43.84       |
| 5508.00  | 6.71        | 42.94       | 5252.39   | 1536.25  | 1108.03   | 1064.11   | 3.18             | 1536.25    | 43.84       |
| 5570.00  | 5.15        | 37.86       | 5314.05   | 1542.64  | 1112.88   | 1068.29   | 2.65             | 1542.64    | 43.83       |



**Scientific  
Drilling**

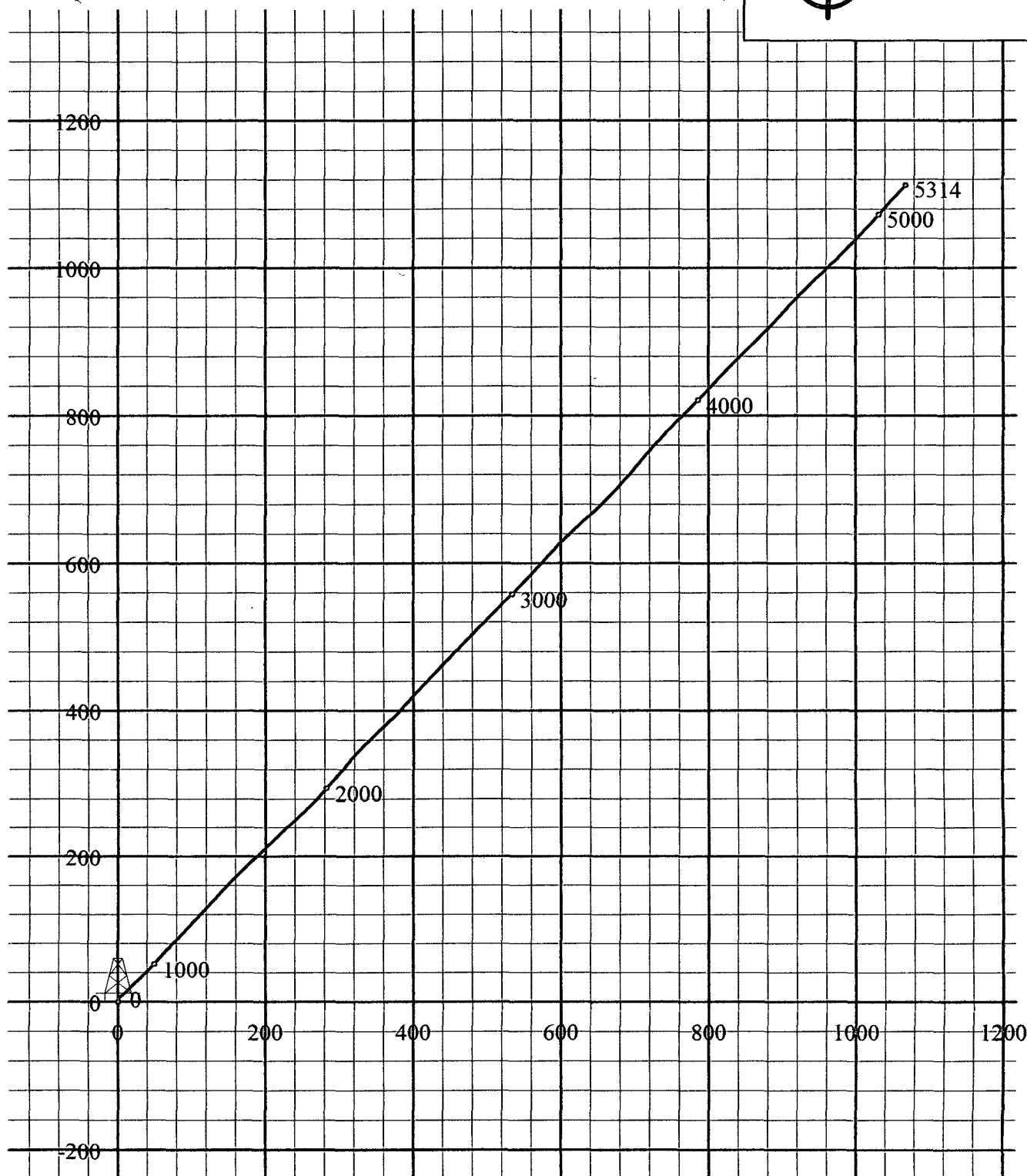
Field: San Juan  
Site: Rio Arriba County, NM  
Well: San Juan 27-4 #133N  
Wellpath: DH - Job #33D0708150  
Survey: 07/18/08-07/24/08



Azimuths to True North  
Magnetic North: 0.00°

Magnetic Field  
Strength: 0nT  
Dip Angle: 0.00°  
Date: 08/11/2008  
Model: igrf2000

South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]