

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

☐ AMENDED REPORT

"AS DRILLED PLAT"

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                    |                                                 |                                    |                                                      |
|------------------------------------|-------------------------------------------------|------------------------------------|------------------------------------------------------|
| *API Number<br><b>30-039-30706</b> |                                                 | *Pool Code<br><b>72319 / 71599</b> | *Pool Name<br><b>BLANCO MESAVERDE / BASIN DAKOTA</b> |
| *Property Code<br><b>31326</b>     | *Property Name<br><b>SAN JUAN 29-6 UNIT</b>     |                                    | *Well Number<br><b>4M</b>                            |
| *GRID No.<br><b>217817</b>         | *Operator Name<br><b>CONOCOPHILLIPS COMPANY</b> |                                    | *Elevation<br><b>6423'</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     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| F             | 17      | 29N      | 6W    |         | 1725          | NORTH            | 1350          | WEST           | RIO ARriba |

<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     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| K             | 17      | 29N      | 6W    |         | 2526          | SOUTH            | 1883          | WEST           | RIO ARriba |

|                               |                          |                               |                                  |                                   |
|-------------------------------|--------------------------|-------------------------------|----------------------------------|-----------------------------------|
| <sup>12</sup> Dedicated Acres | 320.0 Acres - (W/2) (MV) | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.           |
|                               | 320.0 Acres - (W/2) (DK) |                               |                                  | RCVD FEB 23 '10<br>OIL CONS. DIV. |

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

*2/26/10*

**LEASE SF-078960**

**LEASE SF-078426**

**17 BOTTOM-HOLE**

SURFACE LOCATION  
LAT: 36.72821°N  
LONG: 107.49075°W  
DATUM: NAD83

LAT: 36.43.6923°N  
LONG: 107.29.4089°W  
DATUM: NAD27

5289.24'

1725'

1350'

1295'

528°06.8E

1176.1'

915'

1883'

2526'

5281.32'

5280.00'

**<sup>17</sup> 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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Crystal Tafoya* 2/10/10  
Signature Date

**Crystal Tafoya** 2/10/10  
Printed Name

**<sup>18</sup> 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: JULY 6, 2008

Signature and Seal of Professional Surveyor

**JASON C. EDWARDS**  
Certificate Number 15269



# COP Deviation Report

## SAN JUAN 29-6 UNIT #4M

|                                           |                                          |                         |                           |                              |
|-------------------------------------------|------------------------------------------|-------------------------|---------------------------|------------------------------|
| Operator<br>CONOCOPHILLIPS COMPANY        | Legal WellName<br>SAN JUAN 29-6 UNIT #4M | API / UWI<br>3003930706 | County<br>RIO ARRIBA      | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>017-029N-006W-F | N/S Dist (ft)<br>1,725.00                | N/S Ref<br>FNL          | E/W Dist (ft)<br>1,350.00 | E/W Ref<br>FWL               |

| Survey Data | Date       | MD (ftKB) | Incl (°) | Method     | Survey Company      |
|-------------|------------|-----------|----------|------------|---------------------|
|             | 10/27/2009 | 0.00      | 0.00     | MWD        | Scientific Drilling |
|             | 10/21/2009 | 105.00    | 0.50     | Inc-Drop   | RIG                 |
|             | 10/21/2009 | 245.00    | 0.25     | Inc-Drop   | RIG                 |
|             | 10/22/2009 | 268.00    | 0.05     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 299.00    | 0.03     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 330.00    | 0.47     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 361.00    | 1.19     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 390.00    | 1.65     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 421.00    | 2.43     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 452.00    | 2.94     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 483.00    | 3.55     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 514.00    | 4.32     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 544.00    | 4.84     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 574.00    | 5.11     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 605.00    | 5.75     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 636.00    | 6.56     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 667.00    | 7.05     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 697.00    | 7.86     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 746.00    | 8.77     | MWD        | Scientific Drilling |
|             | 10/22/2009 | 791.00    | 9.51     | IncAzi-MWD | Scientific Drilling |
|             | 10/22/2009 | 836.00    | 10.69    | IncAzi-MWD | Scientific Drilling |
|             | 10/22/2009 | 881.00    | 11.57    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 926.00    | 12.64    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 971.00    | 13.63    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,016.00  | 14.59    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,061.00  | 15.39    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,106.00  | 16.01    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,151.00  | 16.54    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,196.00  | 17.23    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,241.00  | 18.11    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,286.00  | 18.60    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,331.00  | 18.95    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,376.00  | 19.59    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,421.00  | 20.63    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,466.00  | 21.32    | MWD        | Scientific Drilling |
|             | 10/22/2009 | 1,511.00  | 22.43    | 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

## SAN JUAN 29-6 UNIT #4M

| Survey Data |           |          |        |                     |  |
|-------------|-----------|----------|--------|---------------------|--|
| Date        | MD (ftKB) | Incl (°) | Method | Survey Company      |  |
| 10/22/2009  | 1,556.00  | 22.94    | MWD    | Scientific Drilling |  |
| 10/22/2009  | 1,600.00  | 24.01    | MWD    | Scientific Drilling |  |
| 10/22/2009  | 1,645.00  | 24.72    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,690.00  | 25.42    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,735.00  | 26.20    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,780.00  | 26.39    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,825.00  | 26.59    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,870.00  | 26.54    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,915.00  | 26.77    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 1,960.00  | 27.16    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,005.00  | 26.96    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,050.00  | 26.79    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,095.00  | 26.88    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,185.00  | 26.93    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,275.00  | 27.21    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,365.00  | 27.09    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,455.00  | 26.62    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,546.00  | 26.96    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,635.00  | 27.31    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,725.00  | 27.66    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,815.00  | 27.19    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,905.00  | 27.06    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 2,995.00  | 24.93    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 3,085.00  | 22.68    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 3,174.00  | 21.20    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 3,264.00  | 20.32    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 3,329.00  | 19.10    | MWD    | Scientific Drilling |  |
| 10/23/2009  | 3,348.00  | 18.88    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,489.00  | 14.30    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,534.00  | 13.11    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,579.00  | 12.76    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,624.00  | 12.80    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,669.00  | 11.90    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,714.00  | 10.58    | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,758.00  | 9.49     | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,803.00  | 7.87     | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,848.00  | 6.04     | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,893.00  | 5.04     | MWD    | Scientific Drilling |  |
| 10/26/2009  | 3,938.00  | 3.96     | 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 \_\_\_\_\_

| Survey Data |           |          |        |                     |  |
|-------------|-----------|----------|--------|---------------------|--|
| Date        | MD (ftKB) | Incl (°) | Method | Survey Company      |  |
| 10/26/2009  | 3,983.00  | 3.16     | MWD    | Scientific Drilling |  |
| 10/26/2009  | 4,028.00  | 2.59     | MWD    | Scientific Drilling |  |
| 10/27/2009  | 4,073.00  | 2.49     | MWD    | Scientific Drilling |  |
| 10/27/2009  | 4,122.00  | 2.01     | MWD    | Scientific Drilling |  |
| 11/3/2009   | 7,923.00  | 1.25     | Inc-WL | PHOENIX             |  |

RCVD FEB 23 '10

OIL CONS. DIV.

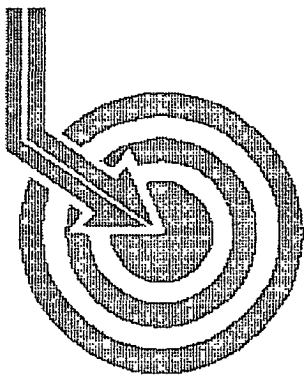
DIST. 3

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.

Subscribed and sworn to me this Feb 9, 2010

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



# Scientific Drilling

RCVD FEB 23 '10

OIL CONS. DIV.

DIST. 3

## CONOCOPHILLIPS

Field: San Juan  
Site: SEC 17-T29N-R6W  
Well: San Juan 29-6 #4M  
Wellpath: DH - Job #33D1009185  
Survey: 10/21/09-10/27/09

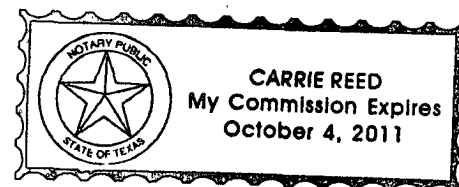
API # 30.039.30706

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

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

Notorized this date 10th of November, 2009.

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





# Scientific Drilling International COP Survey Report

|                                       |                                   |                                          |                   |
|---------------------------------------|-----------------------------------|------------------------------------------|-------------------|
| <b>Company:</b> CONOCOPHILLIPS        | <b>Date:</b> 11/09/2009           | <b>Time:</b> 13:47:54                    | <b>Page:</b> 1    |
| <b>Field:</b> San Juan                | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> SEC 17-T29N-R6W, True North |                   |
| <b>Site:</b> SEC 17-T29N-R6W          | <b>Vertical (TVD) Reference:</b>  | <b>System:</b> Mean Sea Level            |                   |
| <b>Well:</b> San Juan 29-6 #4M        | <b>Section (VS) Reference:</b>    | <b>Well (0.00N,0.00E,152.09Azi)</b>      |                   |
| <b>Wellpath:</b> DH - Job #33D1009185 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                 | <b>Db:</b> Sybase |

|                                                |                                                 |
|------------------------------------------------|-------------------------------------------------|
| <b>Survey:</b> 10/21/09-10/27/09               | <b>Start Date:</b> 10/21/2009                   |
| <b>E-field:</b> 0'-4122'                       |                                                 |
| <b>Company:</b> Scientific Drilling Internatio | <b>Engineer:</b> Lowe/Richey/Blosser/Orozco/Wag |
| <b>Tool:</b> E-field;E-field MWD               | <b>Tied-to:</b> From Surface                    |

|                       |     |                 |            |    |                   |     |    |        |     |
|-----------------------|-----|-----------------|------------|----|-------------------|-----|----|--------|-----|
| Site:                 |     | SEC 17-T29N-R6W |            |    |                   |     |    |        |     |
| Site Position:        |     | Northing:       | 2084502.32 | ft | Latitude:         | 36  | 43 | 41.538 | N   |
| From:                 | Map | Easting:        | 600570.97  | ft | Longitude:        | 107 | 29 | 24.534 | W   |
| Position Uncertainty: |     |                 | 0.00       | ft | North Reference:  |     |    | True   |     |
| Ground Level:         |     |                 | 6423.00    | ft | Grid Convergence: |     |    | -1.02  | deg |

|                              |                       |         |                  |                   |                   |                 |  |
|------------------------------|-----------------------|---------|------------------|-------------------|-------------------|-----------------|--|
| <b>Well:</b>                 | San Juan 29-6 #4M     |         |                  | <b>Slot Name:</b> |                   |                 |  |
|                              | 1158' Slant @ S27.91E |         |                  |                   |                   |                 |  |
| <b>Well Position:</b>        | +N/-S                 | 0.00 ft | <b>Northing:</b> | 2084502.32 ft     | <b>Latitude:</b>  | 36 43 41.538 N  |  |
|                              | +E/-W                 | 0.00 ft | <b>Easting :</b> | 600570.97 ft      | <b>Longitude:</b> | 107 29 24.534 W |  |
| <b>Position Uncertainty:</b> |                       | 0.00 ft |                  |                   |                   |                 |  |

| 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        |
| 268.00   | 0.05        | 11.50       | 268.00    | -0.09    | 0.11      | 0.02      | 0.02             | 0.12       | 11.50       |
| 299.00   | 0.03        | 307.07      | 299.00    | -0.11    | 0.13      | 0.02      | 0.15             | 0.13       | 8.37        |
| 330.00   | 0.47        | 165.83      | 330.00    | 0.01     | 0.01      | 0.04      | 1.59             | 0.05       | 72.01       |
| 361.00   | 1.19        | 165.61      | 361.00    | 0.44     | -0.42     | 0.16      | 2.32             | 0.45       | 159.74      |
| 390.00   | 1.65        | 168.73      | 389.99    | 1.14     | -1.12     | 0.31      | 1.61             | 1.16       | 164.47      |
| 421.00   | 2.43        | 161.04      | 420.97    | 2.21     | -2.18     | 0.61      | 2.66             | 2.27       | 164.31      |
| 452.00   | 2.94        | 160.56      | 451.93    | 3.65     | -3.55     | 1.09      | 1.65             | 3.72       | 162.93      |
| 483.00   | 3.55        | 153.41      | 482.88    | 5.40     | -5.16     | 1.78      | 2.36             | 5.46       | 160.92      |
| 514.00   | 4.32        | 151.64      | 513.81    | 7.52     | -7.05     | 2.77      | 2.51             | 7.57       | 158.55      |
| 544.00   | 4.84        | 147.04      | 543.71    | 9.91     | -9.10     | 3.99      | 2.12             | 9.94       | 156.31      |
| 574.00   | 5.11        | 147.75      | 573.60    | 12.51    | -11.29    | 5.40      | 0.92             | 12.52      | 154.46      |
| 605.00   | 5.75        | 149.32      | 604.46    | 15.43    | -13.80    | 6.92      | 2.12             | 15.44      | 153.35      |
| 636.00   | 6.56        | 146.24      | 635.28    | 18.75    | -16.60    | 8.70      | 2.82             | 18.75      | 152.34      |
| 667.00   | 7.05        | 149.68      | 666.06    | 22.41    | -19.72    | 10.65     | 2.06             | 22.41      | 151.64      |
| 697.00   | 7.86        | 149.54      | 695.81    | 26.30    | -23.08    | 12.62     | 2.70             | 26.30      | 151.34      |
| 746.00   | 8.77        | 149.14      | 744.30    | 33.38    | -29.17    | 16.23     | 1.86             | 33.38      | 150.91      |
| 791.00   | 9.51        | 153.12      | 788.72    | 40.52    | -35.43    | 19.67     | 2.16             | 40.53      | 150.96      |
| 836.00   | 10.69       | 154.11      | 833.03    | 48.41    | -42.50    | 23.17     | 2.65             | 48.41      | 151.40      |
| 881.00   | 11.57       | 153.21      | 877.18    | 57.09    | -50.29    | 27.03     | 1.99             | 57.09      | 151.74      |
| 926.00   | 12.64       | 154.78      | 921.18    | 66.52    | -58.77    | 31.16     | 2.49             | 66.52      | 152.07      |
| 971.00   | 13.63       | 152.96      | 965.00    | 76.74    | -67.95    | 35.67     | 2.38             | 76.74      | 152.30      |
| 1016.00  | 14.59       | 155.30      | 1008.64   | 87.70    | -77.82    | 40.45     | 2.48             | 87.70      | 152.54      |
| 1061.00  | 15.39       | 153.15      | 1052.11   | 99.33    | -88.30    | 45.51     | 2.16             | 99.34      | 152.73      |
| 1106.00  | 16.01       | 153.81      | 1095.43   | 111.50   | -99.19    | 50.95     | 1.43             | 111.51     | 152.81      |
| 1151.00  | 16.54       | 150.74      | 1138.63   | 124.11   | -110.35   | 56.82     | 2.25             | 124.12     | 152.76      |
| 1196.00  | 17.23       | 153.09      | 1181.69   | 137.18   | -121.88   | 62.97     | 2.16             | 137.18     | 152.68      |
| 1241.00  | 18.11       | 150.77      | 1224.57   | 150.83   | -133.93   | 69.40     | 2.50             | 150.84     | 152.61      |
| 1286.00  | 18.60       | 151.19      | 1267.28   | 165.00   | -146.32   | 76.27     | 1.13             | 165.01     | 152.47      |
| 1331.00  | 18.95       | 149.73      | 1309.88   | 179.48   | -158.92   | 83.41     | 1.30             | 179.48     | 152.31      |
| 1376.00  | 19.59       | 147.46      | 1352.36   | 194.30   | -171.59   | 91.16     | 2.19             | 194.30     | 152.02      |
| 1421.00  | 20.63       | 146.03      | 1394.62   | 209.70   | -184.52   | 99.64     | 2.56             | 209.71     | 151.63      |
| 1466.00  | 21.32       | 148.11      | 1436.64   | 225.75   | -198.04   | 108.40    | 2.26             | 225.77     | 151.31      |
| 1511.00  | 22.43       | 149.01      | 1478.40   | 242.48   | -212.35   | 117.14    | 2.58             | 242.51     | 151.12      |
| 1556.00  | 22.94       | 151.32      | 1519.92   | 259.82   | -227.40   | 125.77    | 2.28             | 259.86     | 151.05      |
| 1600.00  | 24.01       | 151.94      | 1560.27   | 277.35   | -242.83   | 134.09    | 2.50             | 277.39     | 151.09      |
| 1645.00  | 24.72       | 153.83      | 1601.27   | 295.91   | -259.35   | 142.55    | 2.34             | 295.94     | 151.20      |



Scientific  
Drilling

# Scientific Drilling International

## COP Survey Report

Company: CONOCOPHILLIPS  
Field: San Juan  
Site: SEC 17-T29N-R6W  
Well: San Juan 29-6 #4M  
Wellpath: DH - Job #33D1009185

Date: 11/09/2009 Time: 13:47:54 Page: 2  
Co-ordinate(NE) Reference: Site: SEC 17-T29N-R6W, True North  
Vertical (TVD) Reference: System: Mean Sea Level  
Section (VS) Reference: Well (0.00N,0.00E,152.09Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

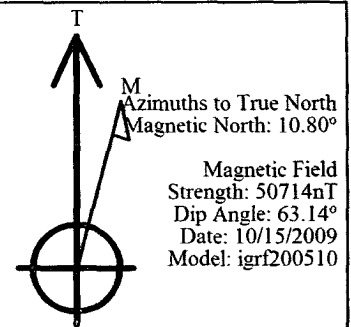
### Survey

| 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 |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 1690.00  | 25.42       | 154.99      | 1642.03   | 314.96   | -276.55   | 150.78    | 1.90             | 314.98     | 151.40      |
| 1735.00  | 26.20       | 154.73      | 1682.54   | 334.53   | -294.28   | 159.11    | 1.75             | 334.54     | 151.60      |
| 1780.00  | 26.39       | 155.07      | 1722.88   | 354.44   | -312.34   | 167.56    | 0.54             | 354.44     | 151.79      |
| 1825.00  | 26.59       | 153.88      | 1763.16   | 374.49   | -330.45   | 176.21    | 1.26             | 374.49     | 151.93      |
| 1870.00  | 26.54       | 155.73      | 1803.41   | 394.59   | -348.65   | 184.78    | 1.84             | 394.59     | 152.08      |
| 1915.00  | 26.77       | 156.09      | 1843.62   | 414.74   | -367.08   | 193.02    | 0.62             | 414.74     | 152.26      |
| 1960.00  | 27.16       | 156.17      | 1883.73   | 435.09   | -385.74   | 201.28    | 0.87             | 435.10     | 152.45      |
| 2005.00  | 26.96       | 155.78      | 1923.81   | 455.51   | -404.44   | 209.61    | 0.59             | 455.53     | 152.60      |
| 2050.00  | 26.79       | 153.74      | 1963.95   | 475.83   | -422.84   | 218.28    | 2.08             | 475.86     | 152.70      |
| 2095.00  | 26.88       | 153.35      | 2004.10   | 496.14   | -441.03   | 227.33    | 0.44             | 496.17     | 152.73      |
| 2185.00  | 26.93       | 154.63      | 2084.36   | 536.84   | -477.63   | 245.19    | 0.65             | 536.88     | 152.83      |
| 2275.00  | 27.21       | 153.63      | 2164.50   | 577.77   | -514.48   | 263.06    | 0.59             | 577.83     | 152.92      |
| 2365.00  | 27.09       | 155.59      | 2244.59   | 618.79   | -551.57   | 280.67    | 1.00             | 618.88     | 153.03      |
| 2455.00  | 26.62       | 153.29      | 2324.88   | 659.41   | -588.25   | 298.20    | 1.27             | 659.51     | 153.12      |
| 2545.00  | 26.96       | 151.91      | 2405.22   | 699.97   | -624.26   | 316.87    | 0.79             | 700.08     | 153.09      |
| 2635.00  | 27.31       | 152.50      | 2485.32   | 741.02   | -660.57   | 336.01    | 0.49             | 741.12     | 153.04      |
| 2725.00  | 27.66       | 153.73      | 2565.16   | 782.54   | -697.62   | 354.79    | 0.74             | 782.65     | 153.04      |
| 2815.00  | 27.19       | 152.02      | 2645.04   | 823.99   | -734.51   | 373.68    | 1.02             | 824.10     | 153.04      |
| 2905.00  | 27.06       | 153.00      | 2725.15   | 865.02   | -770.91   | 392.63    | 0.52             | 865.13     | 153.01      |
| 2995.00  | 24.93       | 148.87      | 2806.04   | 904.44   | -805.39   | 411.73    | 3.10             | 904.53     | 152.92      |
| 3085.00  | 22.68       | 148.24      | 2888.38   | 940.69   | -836.38   | 430.67    | 2.52             | 940.75     | 152.76      |
| 3174.00  | 21.20       | 146.93      | 2970.93   | 973.84   | -864.46   | 448.48    | 1.75             | 973.87     | 152.58      |
| 3264.00  | 20.32       | 146.25      | 3055.09   | 1005.59  | -891.09   | 466.05    | 1.01             | 1005.61    | 152.39      |
| 3329.00  | 19.10       | 146.98      | 3116.28   | 1027.41  | -909.39   | 478.11    | 1.91             | 1027.42    | 152.27      |
| 3348.00  | 18.88       | 146.71      | 3134.25   | 1033.57  | -914.57   | 481.49    | 1.25             | 1033.57    | 152.23      |
| 3489.00  | 14.30       | 155.20      | 3269.36   | 1073.70  | -949.47   | 501.33    | 3.67             | 1073.70    | 152.17      |
| 3534.00  | 13.11       | 157.33      | 3313.08   | 1084.33  | -959.22   | 505.63    | 2.87             | 1084.33    | 152.21      |
| 3579.00  | 12.76       | 158.91      | 3356.94   | 1094.35  | -968.57   | 509.39    | 1.11             | 1094.35    | 152.26      |
| 3624.00  | 12.80       | 157.86      | 3400.82   | 1104.24  | -977.82   | 513.05    | 0.52             | 1104.25    | 152.31      |
| 3669.00  | 11.90       | 160.93      | 3444.78   | 1113.78  | -986.83   | 516.45    | 2.48             | 1113.80    | 152.38      |
| 3714.00  | 10.58       | 160.21      | 3488.92   | 1122.46  | -995.10   | 519.36    | 2.95             | 1122.48    | 152.44      |
| 3758.00  | 9.49        | 158.38      | 3532.24   | 1130.06  | -1002.27  | 522.07    | 2.58             | 1130.09    | 152.49      |
| 3803.00  | 7.87        | 157.41      | 3576.73   | 1136.82  | -1008.57  | 524.62    | 3.61             | 1136.85    | 152.52      |
| 3848.00  | 6.04        | 156.83      | 3621.39   | 1142.25  | -1013.59  | 526.73    | 4.07             | 1142.28    | 152.54      |
| 3893.00  | 5.04        | 154.13      | 3666.18   | 1146.58  | -1017.54  | 528.53    | 2.30             | 1146.62    | 152.55      |
| 3938.00  | 3.96        | 158.61      | 3711.04   | 1150.10  | -1020.77  | 529.96    | 2.52             | 1150.14    | 152.56      |
| 3983.00  | 3.16        | 158.66      | 3755.96   | 1152.88  | -1023.37  | 530.97    | 1.78             | 1152.92    | 152.58      |
| 4028.00  | 2.59        | 157.63      | 3800.90   | 1155.12  | -1025.47  | 531.81    | 1.27             | 1155.16    | 152.59      |
| 4073.00  | 2.49        | 161.77      | 3845.86   | 1157.10  | -1027.34  | 532.50    | 0.46             | 1157.14    | 152.60      |
| 4122.00  | 2.01        | 162.18      | 3894.82   | 1158.99  | -1029.16  | 533.10    | 0.98             | 1159.04    | 152.62      |

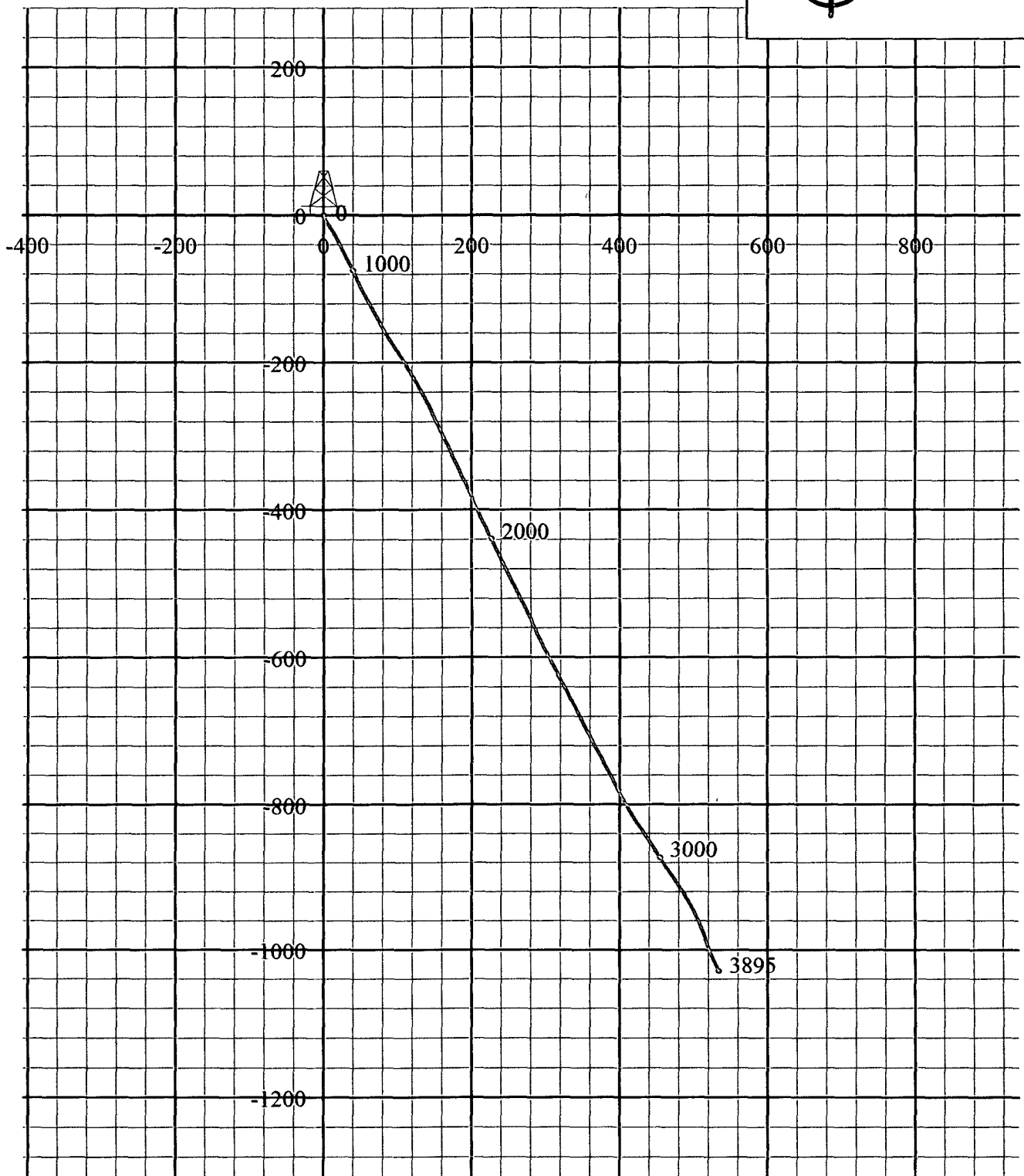


Scientific  
Drilling

Field: San Juan  
Site: SEC 17-T29N-R6W  
Well: San Juan 29-6 #4M  
Wellpath: DH - Job #33D1009185  
Survey: 10/21/09-10/27/09



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



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

Most Recent Job

| Jobs         | Primary Job Type   | Secondary Job Type | Actual Start Date | End Date |
|--------------|--------------------|--------------------|-------------------|----------|
| Job Category | INITIAL COMPLETION | INITIAL COMPLETION | 11/11/2009        | 2/2/2010 |
| COMPLETIONS  |                    |                    |                   |          |

Well Config: DEVIATED - Original Hole, 2/9/2010 6:45:51 AM

