

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  
RCVD OCT 16 '09  
OIL CONS. DIV.  
DIST. 3

"AS DRILLED PLAT"  
WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                      |                                                           |
|-----------------------------------------|------------------------------------------------------|-----------------------------------------------------------|
| <sup>1</sup> API Number<br>30-045-34605 | <sup>2</sup> Pool Code<br>72319 / 71599              | <sup>3</sup> Pool Name<br>BLANCO MESAVERDE / BASIN DAKOTA |
| <sup>4</sup> Property Code<br>31330     | <sup>5</sup> Property Name<br>SAN JUAN 32-8 UNIT     | <sup>6</sup> Well Number<br>10A                           |
| <sup>7</sup> GRID No.<br>217817         | <sup>8</sup> Operator Name<br>CONOCOPHILLIPS COMPANY | <sup>9</sup> Elevation<br>6385'                           |

<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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| 0             | 24      | 31N      | 8W    |         | 770           | SOUTH            | 1465          | EAST           | SAN JUAN |

<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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| P             | 24      | 31N      | 8W    |         | 724           | SOUTH            | 709           | EAST           | SAN JUAN |

|                                                 |                               |                                  |                         |
|-------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acreage<br>306.34 (E/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

|                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>16</p> <p>5241.06'</p> <p>5176.38'</p> <p>24</p> <p>1800'</p> <p>1145'</p> <p>770'</p> <p>5232.48'</p> <p>1465'</p> <p>724'</p> <p>709'</p> <p>582°17.5'E<br/>810.3'</p> <p>SURFACE LOCATION<br/>LAT: 36.87796°N<br/>LONG: 107.62319°W<br/>DATUM: NAD83</p> <p>BOTTOM-HOLE LOCATION<br/>LAT: 36°52.6772'N<br/>LONG: 107°37.3545'W<br/>DATUM: NAD27</p> <p>LEASE<br/>SF-079351</p> | <p>17 OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Crystal Tafoya</i> 10/13/09<br/>Signature Date<br/>Crystal Tafoya 10-13-09<br/>Printed Name</p> <p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: MARCH 5, 2007</p> <p>Signature and Seal of Professional Surveyor</p> <p><b>JASON C. EDWARDS</b><br/>NEW MEXICO<br/>REGISTERED PROFESSIONAL SURVEYOR<br/>15269</p> <p><b>JASON C. EDWARDS</b><br/>Certificate Number 15269</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**COP Deviation Report**  
**SAN JUAN 32-8 UNIT #10A**

|                                           |                                           |                         |                           |                              |
|-------------------------------------------|-------------------------------------------|-------------------------|---------------------------|------------------------------|
| Operator<br>CONOCOPHILLIPS COMPANY        | Legal WellName<br>SAN JUAN 32-8 UNIT #10A | API / UWI<br>3004534605 | County<br>SAN JUAN        | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>024-031N-008W-O | N/S Dist (ft)<br>770.00                   | N/S Ref<br>FSL          | E/W Dist (ft)<br>1,465.00 | E/W Ref<br>FEL               |

| Survey Data |           |          |           |                     |
|-------------|-----------|----------|-----------|---------------------|
| Date        | MD (ftKB) | Incl (°) | Method    | Survey Company      |
| 6/24/2009   | 0.00      | 0.00     | DEVIATION | MOTE                |
| 6/24/2009   | 130.00    | 1.00     | DEVIATION | MOTE                |
| 6/1/2009    | 230.00    | 0.25     | DEVIATION | MOTE                |
| 7/9/2009    | 269.00    | 0.50     | MWD       | Scientific Drilling |
| 7/10/2009   | 330.00    | 0.76     | MWD       | Scientific Drilling |
| 7/10/2009   | 391.00    | 1.93     | MWD       | Scientific Drilling |
| 7/10/2009   | 453.00    | 3.24     | MWD       | Scientific Drilling |
| 7/10/2009   | 514.00    | 4.36     | MWD       | Scientific Drilling |
| 7/10/2009   | 575.00    | 6.02     | MWD       | Scientific Drilling |
| 7/10/2009   | 637.00    | 7.60     | MWD       | Scientific Drilling |
| 7/10/2009   | 698.00    | 8.82     | MWD       | Scientific Drilling |
| 7/10/2009   | 759.00    | 9.97     | MWD       | Scientific Drilling |
| 7/10/2009   | 821.00    | 10.79    | MWD       | Scientific Drilling |
| 7/10/2009   | 882.00    | 11.63    | MWD       | Scientific Drilling |
| 7/10/2009   | 943.00    | 12.80    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,005.00  | 13.76    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,095.00  | 15.07    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,184.00  | 16.48    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,275.00  | 16.94    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,365.00  | 17.25    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,455.00  | 16.82    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,545.00  | 16.87    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,635.00  | 17.40    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,725.00  | 18.10    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,815.00  | 17.12    | MWD       | Scientific Drilling |
| 7/10/2009   | 1,995.00  | 16.40    | MWD       | Scientific Drilling |
| 7/10/2009   | 2,085.00  | 15.13    | MWD       | Scientific Drilling |
| 7/10/2009   | 2,175.00  | 15.08    | MWD       | Scientific Drilling |
| 7/10/2009   | 2,265.00  | 15.68    | MWD       | Scientific Drilling |
| 7/10/2009   | 2,356.00  | 16.50    | MWD       | Scientific Drilling |
| 7/11/2009   | 2,446.00  | 16.24    | MWD       | Scientific Drilling |
| 7/11/2009   | 2,540.00  | 16.56    | MWD       | Scientific Drilling |
| 7/11/2009   | 2,626.00  | 16.81    | MWD       | Scientific Drilling |
| 7/11/2009   | 2,716.00  | 15.80    | MWD       | Scientific Drilling |
| 7/11/2009   | 2,806.00  | 15.66    | MWD       | Scientific Drilling |
| 7/11/2009   | 2,896.00  | 15.90    | MWD       | Scientific Drilling |

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 \_\_\_\_\_

Notary Public in and for San Juan County, New Mexico

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

**Survey Data**

| Date      | MD (ftKB) | Incl (°) | Method    | Survey Company      |
|-----------|-----------|----------|-----------|---------------------|
| 7/11/2009 | 2,986.00  | 13.94    | MWD       | Scientific Drilling |
| 7/11/2009 | 3,076.00  | 13.51    | MWD       | Scientific Drilling |
| 7/12/2009 | 3,166.00  | 12.35    | MWD       | Scientific Drilling |
| 7/12/2009 | 3,256.00  | 10.13    | MWD       | Scientific Drilling |
| 7/12/2009 | 3,347.00  | 8.97     | MWD       | Scientific Drilling |
| 7/12/2009 | 3,437.00  | 8.10     | MWD       | Scientific Drilling |
| 7/12/2009 | 3,527.00  | 7.00     | MWD       | Scientific Drilling |
| 7/12/2009 | 3,617.00  | 5.30     | MWD       | Scientific Drilling |
| 7/12/2009 | 3,674.00  | 4.23     | MWD       | Scientific Drilling |
| 7/12/2009 | 3,730.00  | 3.18     | MWD       | Scientific Drilling |
| 7/21/2009 | 8,020.00  | 1.25     | FINAL BHS | PHOENIX             |

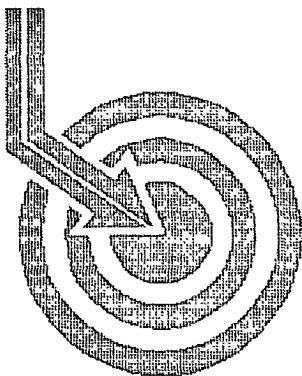
I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and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

*[Signature]*

Subscribed and sworn to me this Oct 15, 2009

Capital A. Tafaya  
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



# Scientific Drilling

RCVD OCT 16 '09  
DIL CONS. DIV.  
DIST. 3

## CONOCOPHILLIPS

Field: San Juan  
Site: Rio Arriba County, NM  
Well: San Juan 32-8 #10A  
Wellpath: DH - Job #33D0709122  
Survey: 07/09/09-07/14/09

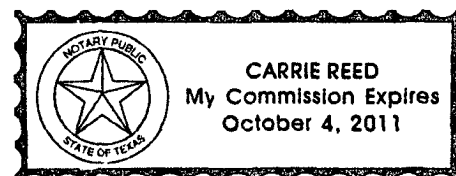
This survey is correct to the best of my knowledge  
and is supported by actual field data.

                    P. Hartman                     Company Representative

Notorized this date 22nd of July, 2009.

                    Carrie Reed                      
Notary Signature  
County of Midland  
State of Texas

ALV





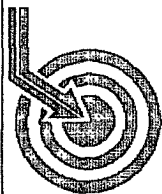
# Scientific Drilling International Survey Report

|                                       |                                   |                                                |                |
|---------------------------------------|-----------------------------------|------------------------------------------------|----------------|
| <b>Company:</b> CONOCOPHILLIPS        | <b>Date:</b> 07/21/2009           | <b>Time:</b> 11:46:21                          | <b>Page:</b> 1 |
| <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 32-8 #10A       | <b>Section (VS) Reference:</b>    | <b>Well:</b> (0.00N,0.00E,94.63Azi)            |                |
| <b>Wellpath:</b> DH - Job #33D0709122 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                       |                |
|                                       |                                   | <b>Db:</b> Sybase                              |                |

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| <b>Survey:</b> 07/09/09-07/14/09               | <b>Start Date:</b> 07/09/2009          |
| <b>E-field:</b> 0'-3674'                       |                                        |
| <b>Company:</b> Scientific Drilling Internatio | <b>Engineer:</b> Lockard/Drake/Blosser |
| <b>Tool:</b> E-field;E-field MWD               | <b>Tied-to:</b> From Surface           |

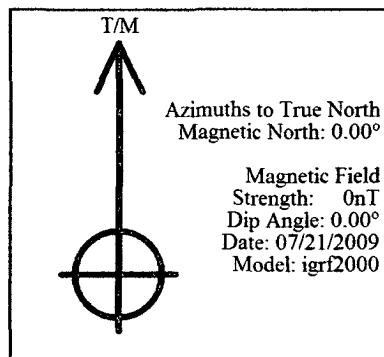
## Survey

| 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        |
| 269.00   | 0.50        | 241.27      | 269.00    | -0.98    | -0.56     | -1.03     | 0.19             | 1.17       | 241.27      |
| 330.00   | 0.76        | 142.67      | 329.99    | -0.93    | -1.01     | -1.02     | 1.59             | 1.44       | 225.10      |
| 391.00   | 1.93        | 106.21      | 390.98    | 0.34     | -1.62     | 0.21      | 2.29             | 1.64       | 172.47      |
| 453.00   | 3.24        | 101.65      | 452.91    | 3.11     | -2.27     | 2.93      | 2.14             | 3.71       | 127.71      |
| 514.00   | 4.36        | 98.55       | 513.78    | 7.13     | -2.96     | 6.91      | 1.87             | 7.52       | 113.18      |
| 575.00   | 6.02        | 90.46       | 574.53    | 12.63    | -3.33     | 12.41     | 2.97             | 12.85      | 105.03      |
| 637.00   | 7.60        | 88.91       | 636.09    | 19.96    | -3.28     | 19.76     | 2.57             | 20.03      | 99.42       |
| 698.00   | 8.82        | 91.30       | 696.46    | 28.64    | -3.31     | 28.47     | 2.08             | 28.66      | 96.63       |
| 759.00   | 9.97        | 94.03       | 756.64    | 38.59    | -3.79     | 38.41     | 2.02             | 38.60      | 95.63       |
| 821.00   | 10.79       | 96.15       | 817.63    | 49.76    | -4.78     | 49.53     | 1.46             | 49.76      | 95.52       |
| 882.00   | 11.63       | 96.94       | 877.46    | 61.61    | -6.14     | 61.31     | 1.40             | 61.62      | 95.72       |
| 943.00   | 12.80       | 96.54       | 937.08    | 74.51    | -7.65     | 74.13     | 1.92             | 74.53      | 95.89       |
| 1005.00  | 13.76       | 95.45       | 997.42    | 88.74    | -9.13     | 88.30     | 1.60             | 88.77      | 95.91       |
| 1095.00  | 15.07       | 92.55       | 1084.59   | 111.14   | -10.67    | 110.64    | 1.66             | 111.15     | 95.51       |
| 1184.00  | 16.48       | 92.48       | 1170.23   | 135.32   | -11.73    | 134.81    | 1.58             | 135.32     | 94.97       |
| 1275.00  | 16.94       | 91.74       | 1257.39   | 161.46   | -12.69    | 160.96    | 0.56             | 161.46     | 94.51       |
| 1365.00  | 17.25       | 91.08       | 1343.41   | 187.87   | -13.34    | 187.41    | 0.41             | 187.88     | 94.07       |
| 1455.00  | 16.82       | 93.31       | 1429.47   | 214.21   | -14.35    | 213.75    | 0.87             | 214.23     | 93.84       |
| 1545.00  | 16.87       | 93.77       | 1515.61   | 240.28   | -15.96    | 239.78    | 0.16             | 240.31     | 93.81       |
| 1635.00  | 17.40       | 94.92       | 1601.61   | 266.80   | -17.97    | 266.22    | 0.70             | 266.82     | 93.86       |
| 1725.00  | 18.10       | 95.08       | 1687.33   | 294.24   | -20.36    | 293.55    | 0.78             | 294.26     | 93.97       |
| 1815.00  | 17.12       | 94.18       | 1773.11   | 321.46   | -22.57    | 320.69    | 1.13             | 321.48     | 94.03       |
| 1995.00  | 16.40       | 96.20       | 1945.46   | 373.36   | -27.24    | 372.37    | 0.51             | 373.37     | 94.18       |
| 2085.00  | 15.13       | 95.11       | 2032.07   | 397.80   | -29.66    | 396.71    | 1.45             | 397.81     | 94.28       |
| 2175.00  | 15.08       | 94.65       | 2118.96   | 421.26   | -31.65    | 420.07    | 0.14             | 421.26     | 94.31       |
| 2265.00  | 15.68       | 94.35       | 2205.74   | 445.13   | -33.53    | 443.87    | 0.67             | 445.13     | 94.32       |
| 2356.00  | 16.50       | 95.35       | 2293.18   | 470.35   | -35.66    | 469.00    | 0.95             | 470.35     | 94.35       |
| 2446.00  | 16.24       | 92.07       | 2379.53   | 495.70   | -37.31    | 494.30    | 1.07             | 495.71     | 94.32       |
| 2536.00  | 16.56       | 91.41       | 2465.87   | 521.08   | -38.08    | 519.70    | 0.41             | 521.09     | 94.19       |
| 2626.00  | 16.81       | 90.92       | 2552.08   | 546.87   | -38.61    | 545.53    | 0.32             | 546.90     | 94.05       |
| 2716.00  | 15.80       | 91.70       | 2638.46   | 572.09   | -39.18    | 570.79    | 1.15             | 572.14     | 93.93       |
| 2806.00  | 15.66       | 91.10       | 2725.09   | 596.45   | -39.77    | 595.18    | 0.24             | 596.51     | 93.82       |
| 2896.00  | 15.90       | 90.24       | 2811.70   | 620.87   | -40.06    | 619.66    | 0.37             | 620.95     | 93.70       |
| 2986.00  | 13.94       | 91.92       | 2898.66   | 643.99   | -40.47    | 642.82    | 2.23             | 644.10     | 93.60       |
| 3076.00  | 13.51       | 89.64       | 2986.09   | 665.29   | -40.77    | 664.17    | 0.77             | 665.42     | 93.51       |
| 3166.00  | 12.35       | 93.70       | 3073.81   | 685.39   | -41.33    | 684.29    | 1.64             | 685.53     | 93.46       |
| 3256.00  | 10.13       | 91.26       | 3162.07   | 702.92   | -42.12    | 701.81    | 2.52             | 703.07     | 93.43       |
| 3347.00  | 8.97        | 91.65       | 3251.81   | 717.99   | -42.50    | 716.90    | 1.28             | 718.16     | 93.39       |
| 3437.00  | 8.10        | 93.77       | 3340.81   | 731.34   | -43.12    | 730.24    | 1.03             | 731.51     | 93.38       |
| 3527.00  | 7.00        | 93.42       | 3430.03   | 743.16   | -43.86    | 742.04    | 1.22             | 743.34     | 93.38       |
| 3617.00  | 5.30        | 100.32      | 3519.51   | 752.78   | -44.94    | 751.61    | 2.06             | 752.95     | 93.42       |
| 3674.00  | 4.23        | 107.94      | 3576.32   | 757.45   | -46.06    | 756.20    | 2.18             | 757.60     | 93.49       |



Scientific  
Drilling

Field: San Juan  
Site: Rio Arriba County, NM  
Well: San Juan 32-8 #10A  
Wellpath: DH - Job #33D0709122  
Survey: 07/09/09-07/14/09



West(-)/East(+) [100ft/in]

South(-)/North(+) [100ft/in]

