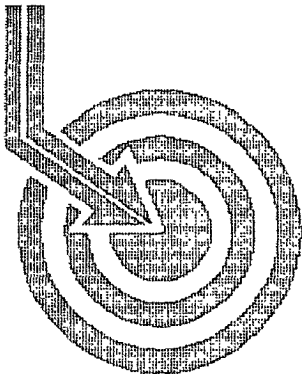


86



# Scientific Drilling

RCVD FEB 12 '10  
OIL CONS. DIV.  
DIST. 3

## CONOCOPHILLIPS

Field: San Juan  
Site: SEC 27-T30N-R5W  
Well: San Juan 30-5 #81P  
Wellpath: DH - Job #33D0909164  
Survey: 09/24/09-09/29/09

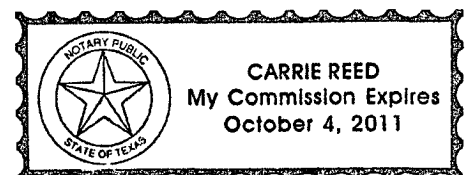
API # 30.039. 30800

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

.....Richard..... Company Representative

Notorized this date 24th of October, 2009.

Carrie Reed  
Notary Signature  
County of Midland  
State of Texas





Scientific  
Drilling

# Scientific Drilling International

## COP Survey Report

Company: CONOCOPHILLIPS Date: 10/28/2009 Time: 14:01:14 Page: 1  
 Field: San Juan Co-ordinate(NE) Reference: Site: SEC 27-T30N-R5W, True North  
 Site: SEC 27-T30N-R5W Vertical (TVD) Reference: SITE 0.0  
 Well: San Juan 30-5 #81P Section (VS) Reference: Well (0.00N,0.00E,313.50Azi)  
 Wellpath: DH - Job #33D0909164 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 09/24/09-09/29/09 Start Date: 09/24/2009  
 E-field 0'-3958'  
 Company: Scientific Drilling Internatio Engineer: Burrus/Webb/Wagner/Kasbaum  
 Tool: Keeper;Keeper Gyro Tied-to: From Surface

Site: SEC 27-T30N-R5W

Site Position: Northing: 2106007.32 ft Latitude: 36 47 12.413 N  
 From: Map Easting: 642158.56 ft Longitude: 107 20 52.325 W  
 Position Uncertainty: 0.00 ft North Reference: True  
 Ground Level: 0.00 ft Grid Convergence: -1.02 deg

Well: San Juan 30-5 #81P Slot Name:  
 1152' Slant @ N46.50W  
 Well Position: +N/-S 0.00 ft Northing: 2106007.32 ft Latitude: 36 47 12.413 N  
 +E/-W 0.00 ft Easting: 642158.56 ft Longitude: 107 20 52.325 W  
 Position Uncertainty: 0.00 ft

### 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        |
| 238.00   | 0.37        | 179.89      | 238.00    | -0.53    | -0.77     | 0.00      | 0.16             | 0.77       | 179.89      |
| 269.00   | 0.37        | 295.00      | 269.00    | -0.50    | -0.83     | -0.09     | 2.01             | 0.83       | 186.15      |
| 300.00   | 0.44        | 235.86      | 300.00    | -0.38    | -0.85     | -0.28     | 1.30             | 0.90       | 198.11      |
| 331.00   | 0.42        | 291.46      | 331.00    | -0.25    | -0.88     | -0.48     | 1.30             | 1.00       | 208.85      |
| 362.00   | 0.81        | 303.69      | 361.99    | 0.07     | -0.71     | -0.77     | 1.32             | 1.05       | 227.23      |
| 392.00   | 1.33        | 310.97      | 391.99    | 0.63     | -0.37     | -1.21     | 1.79             | 1.26       | 253.13      |
| 423.00   | 1.76        | 319.39      | 422.98    | 1.46     | 0.23      | -1.79     | 1.56             | 1.81       | 277.33      |
| 454.00   | 2.35        | 320.22      | 453.96    | 2.56     | 1.08      | -2.51     | 1.91             | 2.73       | 293.30      |
| 485.00   | 3.10        | 322.02      | 484.92    | 4.02     | 2.23      | -3.43     | 2.43             | 4.09       | 303.02      |
| 516.00   | 3.86        | 320.65      | 515.87    | 5.89     | 3.70      | -4.61     | 2.47             | 5.91       | 308.74      |
| 547.00   | 4.44        | 320.67      | 546.78    | 8.11     | 5.43      | -6.03     | 1.87             | 8.12       | 312.01      |
| 578.00   | 4.90        | 320.77      | 577.68    | 10.62    | 7.39      | -7.63     | 1.48             | 10.62      | 314.08      |
| 613.00   | 5.59        | 316.94      | 612.53    | 13.80    | 9.79      | -9.74     | 2.21             | 13.81      | 315.15      |
| 645.00   | 6.04        | 315.95      | 644.37    | 17.04    | 12.14     | -11.97    | 1.44             | 17.05      | 315.39      |
| 676.00   | 6.50        | 313.47      | 675.18    | 20.42    | 14.52     | -14.38    | 1.72             | 20.43      | 315.27      |
| 707.00   | 7.04        | 313.70      | 705.97    | 24.08    | 17.04     | -17.03    | 1.74             | 24.09      | 315.02      |
| 739.00   | 7.48        | 313.19      | 737.71    | 28.12    | 19.82     | -19.96    | 1.39             | 28.13      | 314.79      |
| 771.00   | 8.13        | 314.35      | 769.41    | 32.47    | 22.82     | -23.10    | 2.09             | 32.47      | 314.66      |
| 802.00   | 8.76        | 314.46      | 800.08    | 37.02    | 26.01     | -26.35    | 2.03             | 37.03      | 314.63      |
| 834.00   | 9.25        | 314.52      | 831.68    | 42.03    | 29.52     | -29.92    | 1.53             | 42.03      | 314.61      |
| 866.00   | 9.87        | 315.02      | 863.24    | 47.34    | 33.26     | -33.70    | 1.95             | 47.35      | 314.63      |
| 897.00   | 10.43       | 315.18      | 893.75    | 52.80    | 37.13     | -37.55    | 1.81             | 52.81      | 314.68      |
| 929.00   | 11.21       | 315.25      | 925.18    | 58.81    | 41.40     | -41.78    | 2.44             | 58.82      | 314.73      |
| 961.00   | 11.72       | 315.63      | 956.55    | 65.16    | 45.93     | -46.25    | 1.61             | 65.18      | 314.80      |
| 993.00   | 12.48       | 314.54      | 987.84    | 71.87    | 50.68     | -50.98    | 2.48             | 71.89      | 314.83      |
| 1025.00  | 13.27       | 314.83      | 1019.03   | 79.00    | 55.69     | -56.05    | 2.48             | 79.02      | 314.81      |
| 1057.00  | 14.19       | 313.08      | 1050.12   | 86.59    | 60.96     | -61.52    | 3.15             | 86.61      | 314.74      |
| 1088.00  | 15.04       | 312.65      | 1080.11   | 94.41    | 66.28     | -67.26    | 2.76             | 94.43      | 314.58      |
| 1120.00  | 15.70       | 312.14      | 1110.97   | 102.89   | 72.00     | -73.52    | 2.11             | 102.90     | 314.40      |
| 1152.00  | 16.59       | 311.75      | 1141.71   | 111.79   | 77.95     | -80.14    | 2.80             | 111.79     | 314.21      |
| 1183.00  | 17.56       | 311.91      | 1171.34   | 120.88   | 84.02     | -86.92    | 3.13             | 120.89     | 314.03      |
| 1215.00  | 18.05       | 311.16      | 1201.81   | 130.66   | 90.50     | -94.25    | 1.69             | 130.67     | 313.84      |
| 1246.00  | 18.85       | 311.74      | 1231.21   | 140.47   | 97.00     | -101.60   | 2.65             | 140.47     | 313.67      |
| 1278.00  | 19.44       | 311.54      | 1261.44   | 150.96   | 103.97    | -109.44   | 1.86             | 150.96     | 313.53      |
| 1310.00  | 20.11       | 312.00      | 1291.56   | 161.78   | 111.18    | -117.52   | 2.15             | 161.78     | 313.41      |
| 1342.00  | 20.72       | 312.26      | 1321.55   | 172.94   | 118.67    | -125.79   | 1.93             | 172.94     | 313.33      |



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# Scientific Drilling International

## COP Survey Report

Company: CONOCOPHILLIPS  
Field: San Juan  
Site: SEC 27-T30N-R5W  
Well: San Juan 30-5 #81P  
Wellpath: DH - Job #33D0909164

Date: 10/28/2009 Time: 14:01:14 Page: 2  
Co-ordinate(NE) Reference: Site: SEC 27-T30N-R5W, True North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,313.50Azi)  
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 |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 1374.00  | 21.10       | 313.27      | 1351.44   | 184.36   | 126.43    | -134.18   | 1.64             | 184.36     | 313.30      |
| 1406.00  | 21.51       | 312.84      | 1381.25   | 195.98   | 134.36    | -142.67   | 1.37             | 195.98     | 313.28      |
| 1438.00  | 22.02       | 313.90      | 1410.97   | 207.85   | 142.51    | -151.30   | 2.01             | 207.85     | 313.29      |
| 1470.00  | 22.34       | 313.73      | 1440.60   | 219.93   | 150.88    | -160.02   | 1.02             | 219.93     | 313.32      |
| 1502.00  | 22.55       | 314.74      | 1470.18   | 232.14   | 159.40    | -168.77   | 1.37             | 232.14     | 313.36      |
| 1534.00  | 23.03       | 315.77      | 1499.68   | 244.53   | 168.20    | -177.49   | 1.95             | 244.53     | 313.46      |
| 1566.00  | 23.78       | 316.47      | 1529.05   | 257.23   | 177.37    | -186.30   | 2.50             | 257.23     | 313.59      |
| 1598.00  | 24.30       | 316.07      | 1558.27   | 270.25   | 186.79    | -195.31   | 1.70             | 270.25     | 313.72      |
| 1629.00  | 25.26       | 316.43      | 1586.42   | 283.23   | 196.17    | -204.30   | 3.13             | 283.23     | 313.84      |
| 1661.00  | 25.40       | 316.05      | 1615.34   | 296.90   | 206.06    | -213.77   | 0.67             | 296.91     | 313.95      |
| 1692.00  | 26.06       | 316.57      | 1643.27   | 310.35   | 215.79    | -223.06   | 2.25             | 310.36     | 314.05      |
| 1724.00  | 26.69       | 316.55      | 1671.93   | 324.54   | 226.11    | -232.84   | 1.97             | 324.56     | 314.16      |
| 1756.00  | 26.93       | 316.89      | 1700.49   | 338.95   | 236.62    | -242.73   | 0.89             | 338.98     | 314.27      |
| 1788.00  | 27.38       | 317.29      | 1728.97   | 353.53   | 247.32    | -252.68   | 1.52             | 353.57     | 314.39      |
| 1851.00  | 27.29       | 317.16      | 1784.93   | 382.40   | 268.55    | -272.32   | 0.17             | 382.47     | 314.60      |
| 1915.00  | 27.02       | 317.14      | 1841.88   | 411.55   | 289.97    | -292.19   | 0.42             | 411.65     | 314.78      |
| 1978.00  | 27.06       | 316.78      | 1897.99   | 440.13   | 310.90    | -311.73   | 0.27             | 440.27     | 314.92      |
| 2041.00  | 26.89       | 315.88      | 1954.14   | 468.68   | 331.57    | -331.47   | 0.70             | 468.84     | 315.01      |
| 2105.00  | 26.36       | 315.04      | 2011.35   | 497.34   | 352.02    | -351.58   | 1.02             | 497.52     | 315.04      |
| 2168.00  | 26.40       | 313.40      | 2067.79   | 525.33   | 371.54    | -371.64   | 1.16             | 525.51     | 314.99      |
| 2231.00  | 26.55       | 312.54      | 2124.18   | 553.41   | 390.68    | -392.19   | 0.65             | 553.57     | 314.89      |
| 2294.00  | 26.69       | 311.99      | 2180.51   | 581.63   | 409.66    | -413.08   | 0.45             | 581.77     | 314.76      |
| 2358.00  | 27.02       | 311.81      | 2237.60   | 610.53   | 428.97    | -434.60   | 0.53             | 610.65     | 314.63      |
| 2422.00  | 27.67       | 312.29      | 2294.45   | 639.92   | 448.66    | -456.43   | 1.07             | 640.02     | 314.51      |
| 2485.00  | 27.53       | 312.65      | 2350.28   | 669.10   | 468.37    | -477.96   | 0.35             | 669.19     | 314.42      |
| 2549.00  | 27.02       | 312.40      | 2407.17   | 698.43   | 488.19    | -499.57   | 0.82             | 698.50     | 314.34      |
| 2612.00  | 27.49       | 311.91      | 2463.17   | 727.27   | 507.56    | -520.96   | 0.83             | 727.33     | 314.25      |
| 2675.00  | 27.48       | 312.31      | 2519.06   | 756.34   | 527.05    | -542.53   | 0.29             | 756.39     | 314.17      |
| 2738.00  | 26.96       | 311.16      | 2575.09   | 785.14   | 546.24    | -564.03   | 1.17             | 785.18     | 314.08      |
| 2801.00  | 26.60       | 311.41      | 2631.33   | 813.50   | 564.96    | -585.36   | 0.60             | 813.53     | 313.98      |
| 2865.00  | 26.91       | 311.87      | 2688.48   | 842.30   | 584.11    | -606.89   | 0.58             | 842.32     | 313.90      |
| 2929.00  | 27.80       | 312.03      | 2745.32   | 871.70   | 603.77    | -628.77   | 1.40             | 871.71     | 313.84      |
| 2992.00  | 28.49       | 312.65      | 2800.87   | 901.41   | 623.78    | -650.73   | 1.19             | 901.42     | 313.79      |
| 3024.00  | 28.29       | 313.00      | 2829.02   | 916.62   | 634.13    | -661.89   | 0.81             | 916.63     | 313.77      |
| 3056.00  | 28.03       | 312.25      | 2857.23   | 931.72   | 644.35    | -673.00   | 1.37             | 931.73     | 313.75      |
| 3088.00  | 26.75       | 310.28      | 2885.65   | 946.43   | 654.07    | -684.06   | 4.90             | 946.44     | 313.72      |
| 3119.00  | 25.38       | 309.96      | 2913.49   | 960.03   | 662.84    | -694.48   | 4.44             | 960.03     | 313.66      |
| 3151.00  | 24.14       | 310.27      | 2942.55   | 973.40   | 671.48    | -704.73   | 3.90             | 973.41     | 313.62      |
| 3183.00  | 23.48       | 311.74      | 2971.83   | 986.31   | 679.95    | -714.48   | 2.77             | 986.31     | 313.58      |
| 3215.00  | 23.17       | 312.27      | 3001.21   | 998.98   | 688.43    | -723.89   | 1.17             | 998.98     | 313.56      |
| 3246.00  | 22.32       | 313.56      | 3029.80   | 1010.96  | 696.59    | -732.67   | 3.18             | 1010.96    | 313.55      |
| 3278.00  | 20.59       | 314.21      | 3059.58   | 1022.66  | 704.70    | -741.11   | 5.46             | 1022.66    | 313.56      |
| 3310.00  | 18.73       | 313.60      | 3089.72   | 1033.43  | 712.17    | -748.86   | 5.85             | 1033.43    | 313.56      |
| 3341.00  | 17.65       | 313.11      | 3119.17   | 1043.11  | 718.81    | -755.90   | 3.52             | 1043.11    | 313.56      |
| 3373.00  | 16.40       | 312.78      | 3149.76   | 1052.47  | 725.20    | -762.75   | 3.92             | 1052.47    | 313.55      |
| 3405.00  | 15.17       | 312.65      | 3180.56   | 1061.18  | 731.10    | -769.15   | 3.85             | 1061.18    | 313.55      |
| 3437.00  | 13.97       | 312.65      | 3211.53   | 1069.23  | 736.56    | -775.07   | 3.75             | 1069.23    | 313.54      |
| 3468.00  | 12.80       | 312.37      | 3241.68   | 1076.40  | 741.40    | -780.36   | 3.78             | 1076.40    | 313.53      |
| 3500.00  | 11.78       | 310.74      | 3272.95   | 1083.21  | 745.93    | -785.45   | 3.37             | 1083.21    | 313.52      |
| 3532.00  | 11.00       | 308.73      | 3304.32   | 1089.51  | 749.97    | -790.31   | 2.73             | 1089.51    | 313.50      |
| 3564.00  | 10.47       | 306.78      | 3335.76   | 1095.44  | 753.62    | -795.02   | 2.01             | 1095.44    | 313.47      |
| 3628.00  | 10.19       | 307.47      | 3398.72   | 1106.85  | 760.54    | -804.17   | 0.48             | 1106.85    | 313.40      |
| 3660.00  | 10.02       | 307.82      | 3430.23   | 1112.43  | 763.97    | -808.62   | 0.56             | 1112.44    | 313.37      |



Scientific  
Drilling

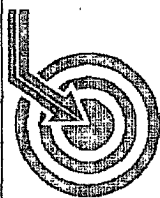
# Scientific Drilling International

## COP Survey Report

|                                      |                                   |                                            |                |
|--------------------------------------|-----------------------------------|--------------------------------------------|----------------|
| <b>Company:</b> CONOCOPHILLIPS       | <b>Date:</b> 10/28/2009           | <b>Time:</b> 14:01:14                      | <b>Page:</b> 3 |
| <b>Field:</b> San Juan               | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> SEC 27-T30N-R5W, True North   |                |
| <b>Site:</b> SEC 27-T30N-R5W         | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                            |                |
| <b>Well:</b> San Juan 30-5 #81P      | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,313.50Azi)        |                |
| <b>Wellpath:</b> DH- Job #33D0909164 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b> <b>Db:</b> Sybase |                |

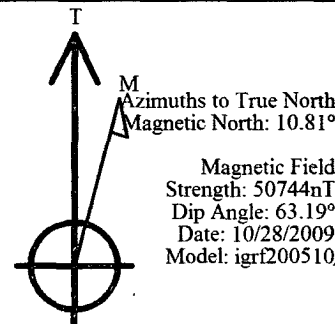
### Survey

| 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 |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 3691.00  | 9.80        | 310.23      | 3460.76   | 1117.75  | 767.33    | -812.76   | 1.51             | 1117.76    | 313.35      |
| 3723.00  | 9.16        | 312.21      | 3492.33   | 1123.02  | 770.80    | -816.73   | 2.24             | 1123.02    | 313.34      |
| 3755.00  | 8.67        | 314.23      | 3523.94   | 1127.98  | 774.19    | -820.34   | 1.82             | 1127.98    | 313.34      |
| 3787.00  | 8.05        | 316.99      | 3555.60   | 1132.62  | 777.52    | -823.60   | 2.31             | 1132.63    | 313.35      |
| 3819.00  | 7.39        | 319.86      | 3587.31   | 1136.91  | 780.73    | -826.45   | 2.39             | 1136.91    | 313.37      |
| 3850.00  | 7.05        | 317.84      | 3618.06   | 1140.78  | 783.66    | -829.02   | 1.37             | 1140.79    | 313.39      |
| 3882.00  | 6.42        | 318.82      | 3649.84   | 1144.52  | 786.46    | -831.51   | 2.00             | 1144.53    | 313.41      |
| 3914.00  | 5.93        | 320.73      | 3681.66   | 1147.95  | 789.09    | -833.74   | 1.66             | 1147.95    | 313.42      |
| 3945.00  | 5.62        | 322.65      | 3712.50   | 1151.03  | 791.54    | -835.67   | 1.18             | 1151.03    | 313.45      |
| 3956.00  | 5.37        | 322.39      | 3723.45   | 1152.07  | 792.37    | -836.31   | 2.28             | 1152.07    | 313.45      |
| 3958.00  | 5.28        | 323.49      | 3725.44   | 1152.26  | 792.52    | -836.42   | 6.80             | 1152.26    | 313.46      |

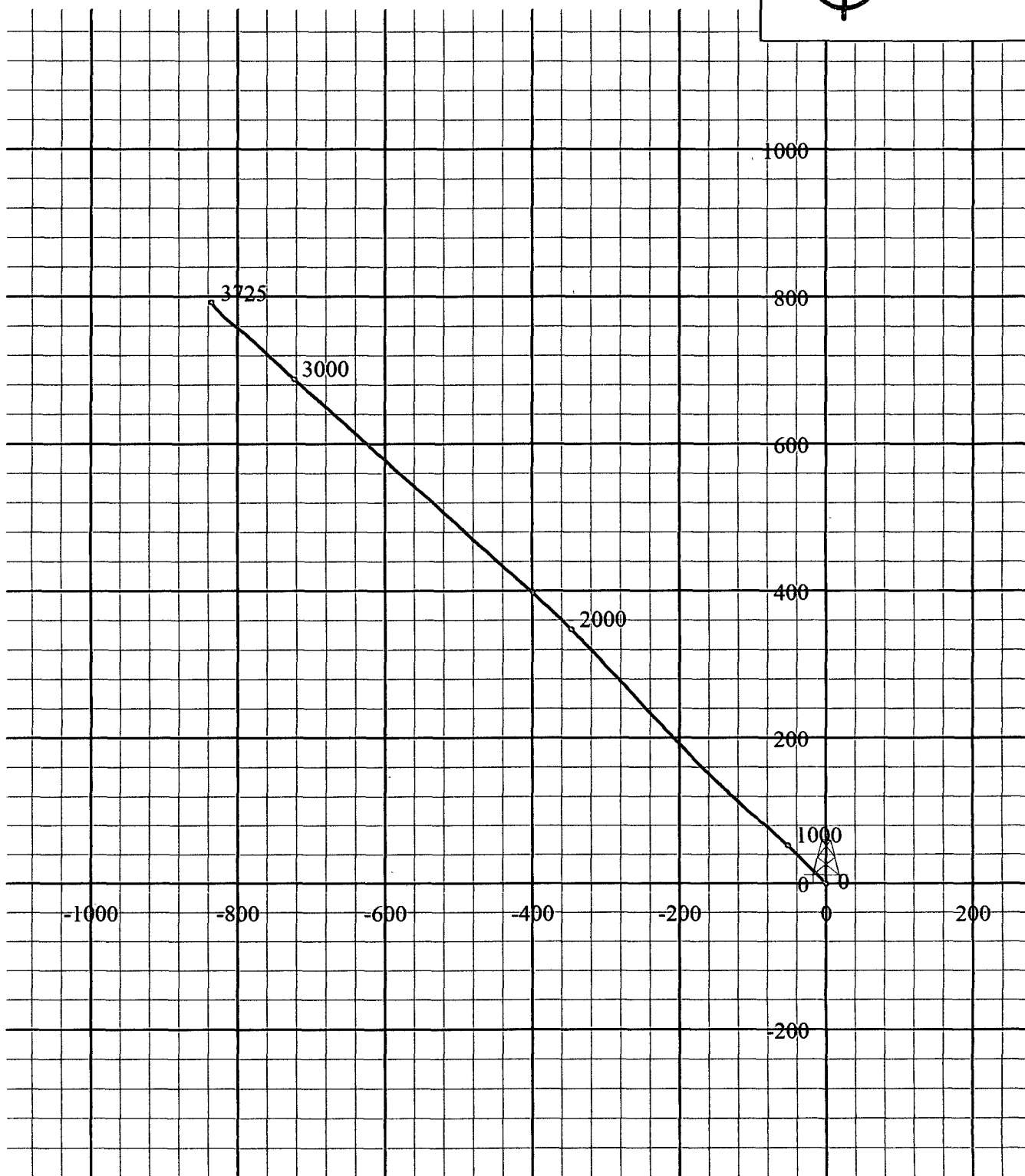


Scientific  
Drilling

Field: San Juan  
Site: SEC 27-T30N-R5W  
Well: San Juan 30-5 #81P  
Wellpath: DH - Job #33D0909164  
Survey: 09/24/09-09/29/09



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



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



**COP Deviation Report**  
**SAN JUAN 30-5 UNIT #81P**

|                                                  |                                                  |                                |                                  |                                     |
|--------------------------------------------------|--------------------------------------------------|--------------------------------|----------------------------------|-------------------------------------|
| <b>Operator</b><br>CONOCOPHILLIPS COMPANY        | <b>Legal WellName</b><br>SAN JUAN 30-5 UNIT #81P | <b>API / UWI</b><br>3003930800 | <b>County</b><br>RIO ARRIBA      | <b>State/Province</b><br>NEW MEXICO |
| <b>Surface Legal Location</b><br>027-030N-005W-F | <b>N/S Dist (ft)</b><br>1,505.00                 | <b>N/S Ref</b><br>FNL          | <b>E/W Dist (ft)</b><br>1,550.00 | <b>E/W Ref</b><br>FWL               |
| <b>Survey Data</b>                               |                                                  |                                |                                  |                                     |
| <b>Date</b>                                      | <b>MD (ftKB)</b>                                 | <b>Incl (°)</b>                | <b>Method</b>                    | <b>Survey Company</b>               |
| 9/25/2009                                        | 238.00                                           | 0.37                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 269.00                                           | 0.37                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 300.00                                           | 0.44                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 331.00                                           | 0.42                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 362.00                                           | 0.81                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 392.00                                           | 1.33                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 423.00                                           | 1.76                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 454.00                                           | 2.35                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 485.00                                           | 3.10                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 516.00                                           | 3.86                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 547.00                                           | 4.44                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 578.00                                           | 4.90                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 613.00                                           | 5.59                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 645.00                                           | 6.04                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 676.00                                           | 6.50                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 707.00                                           | 7.04                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 739.00                                           | 7.48                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 771.00                                           | 8.13                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 802.00                                           | 8.76                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 834.00                                           | 9.25                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 866.00                                           | 9.87                           | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 897.00                                           | 10.43                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 929.00                                           | 11.21                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 961.00                                           | 11.72                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 993.00                                           | 12.48                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 1,025.00                                         | 13.27                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 1,057.00                                         | 14.19                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 1,088.00                                         | 15.04                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 1,120.00                                         | 15.70                          | MWD                              | Scientific Drilling                 |
| 9/25/2009                                        | 1,152.00                                         | 16.59                          | MWD                              | Scientific Drilling                 |
| 9/26/2009                                        | 1,183.00                                         | 17.56                          | MWD                              | Scientific Drilling                 |
| 9/26/2009                                        | 1,215.00                                         | 18.05                          | MWD                              | Scientific Drilling                 |
| 9/26/2009                                        | 1,246.00                                         | 18.85                          | MWD                              | Scientific Drilling                 |
| 9/26/2009                                        | 1,278.00                                         | 19.44                          | MWD                              | Scientific Drilling                 |
| 9/26/2009                                        | 1,310.00                                         | 20.11                          | MWD                              | Scientific Drilling                 |
| 9/26/2009                                        | 1,342.00                                         | 20.72                          | 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 30-5 UNIT #81P

| Survey Data |           |          |        |                     |  |
|-------------|-----------|----------|--------|---------------------|--|
| Date        | MD (ftKB) | Incl (°) | Method | Survey Company      |  |
| 9/26/2009   | 1,374.00  | 21.10    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,406.00  | 21.51    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,438.00  | 22.02    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,470.00  | 22.34    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,502.00  | 22.55    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,534.00  | 23.03    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,566.00  | 23.78    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,598.00  | 24.30    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,629.00  | 25.26    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,661.00  | 25.40    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,692.00  | 26.06    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,724.00  | 26.69    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,756.00  | 26.93    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,788.00  | 27.38    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,851.00  | 27.29    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,915.00  | 27.02    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 1,978.00  | 27.06    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,041.00  | 26.89    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,105.00  | 26.36    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,168.00  | 26.40    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,231.00  | 26.55    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,294.00  | 26.69    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,358.00  | 27.02    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,422.00  | 27.67    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,485.00  | 27.53    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,549.00  | 27.02    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,612.00  | 27.49    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,675.00  | 27.48    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,738.00  | 26.96    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,801.00  | 26.60    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,865.00  | 26.91    | MWD    | Scientific Drilling |  |
| 9/26/2009   | 2,929.00  | 27.80    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 2,992.00  | 28.49    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,024.00  | 28.29    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,056.00  | 28.03    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,088.00  | 26.75    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,119.00  | 25.38    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,151.00  | 24.14    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,183.00  | 23.48    | 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

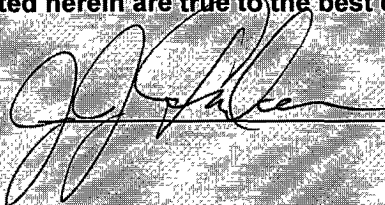
My Commission expires \_\_\_\_\_

COP Deviation Report  
SAN JUAN 30-5 UNIT #81P

| Survey Data |           |          |        |                     |  |
|-------------|-----------|----------|--------|---------------------|--|
| Date        | MD (ftKB) | Incl (°) | Method | Survey Company      |  |
| 9/27/2009   | 3,215.00  | 23.17    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,246.00  | 22.32    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,278.00  | 20.59    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,310.00  | 18.73    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,341.00  | 17.65    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,373.00  | 16.40    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,405.00  | 15.17    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,437.00  | 13.97    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,468.00  | 12.80    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,500.00  | 11.78    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,532.00  | 11.00    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,564.00  | 10.47    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,628.00  | 10.19    | MWD    | Scientific Drilling |  |
| 9/27/2009   | 3,660.00  | 10.02    | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,691.00  | 9.80     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,723.00  | 9.16     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,755.00  | 8.67     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,787.00  | 8.05     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,819.00  | 7.39     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,850.00  | 7.05     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,882.00  | 6.42     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,914.00  | 5.93     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,945.00  | 5.62     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,956.00  | 5.37     | MWD    | Scientific Drilling |  |
| 9/28/2009   | 3,958.00  | 5.28     | MWD    | Scientific Drilling |  |
| 10/6/2009   | 8,144.00  | 0.75     | Inc-WL | PHOENIX             |  |

RCVD FEB 12 '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<sup>th</sup>, 2010



Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010