



# COP Deviation Report

## SAN JUAN 30-6 UNIT #96N

ROVD NOV 17 '10  
OIL CONS. DIV.  
DIST. 3

|                                                          |                                           |                         |                         |                              |
|----------------------------------------------------------|-------------------------------------------|-------------------------|-------------------------|------------------------------|
| Operator<br>BURLINGTON RESOURCES OIL &<br>GAS COMPANY LP | Legal WellName<br>SAN JUAN 30-6 UNIT #96N | API / UWI<br>3003930836 | County<br>RIO ARRIBA    | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>026-030N-007W-H                | N/S Dist (ft)<br>2,565.00                 | N/S Ref<br>FNL          | E/W Dist (ft)<br>153.00 | E/W Ref<br>FEL               |

### Survey Data

| Date     | MD (ftKB) | Incl (°) | Method     | Survey Company      |
|----------|-----------|----------|------------|---------------------|
| 3/7/2010 | 0.00      | 0.00     | IncAzi-MWD | Scientific Drilling |
| 3/3/2010 | 130.00    | 0.75     | Inc-WL     | MOTE                |
| 3/3/2010 | 233.00    | 0.75     | Inc-WL     | MOTE                |
| 3/7/2010 | 265.00    | 0.65     | IncAzi-MWD | Scientific Drilling |
| 3/7/2010 | 296.00    | 0.71     | IncAzi-MWD | Scientific Drilling |
| 3/7/2010 | 357.00    | 0.78     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 419.00    | 1.61     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 481.00    | 3.34     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 543.00    | 4.53     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 603.00    | 5.67     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 665.00    | 6.94     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 725.00    | 7.96     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 787.00    | 9.24     | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 848.00    | 10.26    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 910.00    | 11.31    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 976.00    | 12.85    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,039.00  | 13.91    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,102.00  | 14.98    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,166.00  | 16.60    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,229.00  | 18.04    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,292.00  | 19.36    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,355.00  | 20.56    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,419.00  | 21.74    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,482.00  | 22.98    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,546.00  | 24.29    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,609.00  | 25.75    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,673.00  | 26.79    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,736.00  | 28.46    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,799.00  | 29.84    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,862.00  | 30.46    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,925.00  | 30.66    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 1,988.00  | 31.05    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,051.00  | 30.64    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,114.00  | 30.22    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,177.00  | 29.88    | IncAzi-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 30-6 UNIT #96N

### Survey Data

| Date     | MD (RKB) | Incl (°) | Method     | Survey Company      |
|----------|----------|----------|------------|---------------------|
| 3/8/2010 | 2,240.00 | 30.29    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,304.00 | 30.84    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,367.00 | 31.40    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,430.00 | 32.04    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,491.00 | 31.85    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,555.00 | 31.97    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,618.00 | 31.70    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,681.00 | 31.44    | IncAzi-MWD | Scientific Drilling |
| 3/8/2010 | 2,744.00 | 30.87    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 2,807.00 | 30.70    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 2,870.00 | 31.15    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 2,933.00 | 30.79    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 2,996.00 | 30.09    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,059.00 | 29.43    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,123.00 | 28.37    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,186.00 | 27.54    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,250.00 | 26.32    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,312.00 | 25.62    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,375.00 | 23.63    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,438.00 | 22.24    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,503.00 | 22.22    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,566.00 | 21.78    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,629.00 | 20.73    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,692.00 | 19.55    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,755.00 | 18.40    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,819.00 | 17.81    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,881.00 | 16.35    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 3,944.00 | 14.93    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,008.00 | 13.67    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,072.00 | 15.05    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,135.00 | 17.21    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,198.00 | 15.45    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,261.00 | 14.43    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,325.00 | 13.23    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,388.00 | 11.10    | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,452.00 | 9.73     | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,515.00 | 9.00     | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,578.00 | 8.42     | IncAzi-MWD | Scientific Drilling |
| 3/9/2010 | 4,642.00 | 7.81     | IncAzi-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      |
|-----------|-----------|----------|------------|---------------------|
| 3/9/2010  | 4,729.00  | 4.24     | IncAzi-MWD | Scientific Drilling |
| 3/19/2010 | 7,954.00  | 1.00     | Inc-WL     | 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.

Todd Delamater

Subscribed and sworn to me this 11/16/2010

Tamm D. Jensen

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/2012

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  
Submit to Appropriate District Office  
State Lease - 7 Copies  
Fee Lease - 3 Copies

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                                    |                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-039-30836</b> | <sup>2</sup> Pool Code<br><b>71599 / 72319</b>                                     | <sup>3</sup> Pool Name<br><b>BASIN DAKOTA / BLANCO MESAVERDE</b> |
| <sup>4</sup> Property Code<br><b>7469</b>      | <sup>5</sup> Property Name<br><b>SAN JUAN 30-6 UNIT</b>                            | <sup>6</sup> Well Number<br><b>96N</b>                           |
| <sup>7</sup> OGRID No.<br><b>14538</b>         | <sup>8</sup> Operator Name<br><b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b> | <sup>9</sup> Elevation<br><b>6253</b>                            |

<sup>10</sup> SURFACE LOCATION

|                           |                      |                         |                     |         |                              |                                  |                             |                               |                             |
|---------------------------|----------------------|-------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------------|
| UL or lot no.<br><b>H</b> | Section<br><b>26</b> | Township<br><b>30-N</b> | Range<br><b>7-W</b> | Lot Idn | Feet from the<br><b>2565</b> | North/South line<br><b>NORTH</b> | Feet from the<br><b>153</b> | East/West line<br><b>EAST</b> | County<br><b>RIO ARriba</b> |
|---------------------------|----------------------|-------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------------|

<sup>11</sup> Bottom Hole Location If Different From Surface

|                           |                      |                         |                     |         |                               |                                  |                               |                               |                             |
|---------------------------|----------------------|-------------------------|---------------------|---------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|-----------------------------|
| UL or lot no.<br><b>J</b> | Section<br><b>26</b> | Township<br><b>30-N</b> | Range<br><b>7-W</b> | Lot Idn | Feet from the<br><b>1964'</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>1458'</b> | East/West line<br><b>EAST</b> | County<br><b>RIO ARriba</b> |
|---------------------------|----------------------|-------------------------|---------------------|---------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|-----------------------------|

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>320.00</b> | <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

DIST. 3

|                                                                                                                                            |                                                                                                                                    |                            |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| <sup>16</sup> W.C. CALC.<br>N 89°47' W<br>N 89°43'57" E                                                                                    | <b>E/2 DEDICATED ACREAGE</b><br>USA SF-079383<br>SECTION 26,<br>T-30-N, R-7-W                                                      | 5281.3' (R)<br>5256.0' (M) | GLO 1914                   |
| BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION. | <b>WELL FLAG</b><br>NAD 83<br>LAT: 36.783800° N<br>LONG: 107.531838° W<br>NAD 27<br>LAT: 36°47.027668' N<br>LONG: 107°31.873900' W | 2640.0' (R)<br>2640.0' (M) | 2640.0' (R)<br>2640.0' (M) |
| <b>BOTTOM HOLE</b><br>NAD 83<br>LAT:<br>LONG:<br>NAD 27<br>LAT:<br>LONG:                                                                   | <b>1458'</b>                                                                                                                       | 2565'                      | GLO 1914                   |
| N 89°27'21" E 224.3' (M)<br>N 89°51' W 224.4' (R)                                                                                          | 1964'                                                                                                                              | S 58°37'54" W<br>1556.8'   | GLO 1914                   |
| W.C. GLO 1914                                                                                                                              | CALC. 1/4 COR. N 89°57'58" E<br>N 89°51' W                                                                                         | 2639.2' (M)<br>2639.3' (R) | GLO 1914                   |

<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.  
Signature  
**Dollie L. Busse**  
Printed Name  
**Staff Regulatory Tech.**  
Title and E-mail Address  
**11-16-10**  
Date

<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: 5/13/09  
Signature and Seal of Professional Surveyor:  
**HENRY P. BROADHURST, JR.**  
NEW MEXICO  
PROFESSIONAL SURVEYOR  
11393  
Certificate Number: NM 11393

RCVD NOV 17 '10  
OIL CONS. DIV.  
DIST. 3

# ConocoPhillips

SJB (NM Central)  
SEC 26-T30N-R7W  
SJ 30-6 #96N

Original Hole

Survey: Actual

## Standard Survey Report

01 April, 2010

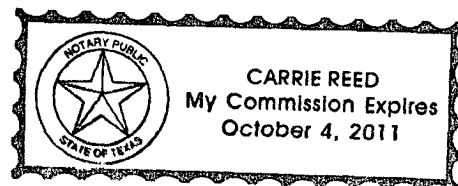
This survey is correct to the best of my knowledge and is supported by actual field data.

Richardson

Notorized this date 1st of April, 2010.

Carrie Reed

Notary Signature  
County of Midland  
State of Texas



# Scientific Drilling International, Inc.

## Survey Report

|                  |                  |                                     |                          |
|------------------|------------------|-------------------------------------|--------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Well SJ 30-6 #96N        |
| <b>Project:</b>  | SJB (NM Central) | <b>TVD Reference:</b>               | DFE @ 6268.0ft (AWS 730) |
| <b>Site:</b>     | SEC 26-T30N-R7W  | <b>MD Reference:</b>                | DFE @ 6268.0ft (AWS 730) |
| <b>Well:</b>     | SJ 30-6 #96N     | <b>North Reference:</b>             | True                     |
| <b>Wellbore:</b> | Original Hole    | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Design:</b>   | Original Hole    | <b>Database:</b>                    | edmCOP                   |

|                    |                                                  |                      |                             |
|--------------------|--------------------------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | SJB (NM Central), New Mexico, S-Type MV/DK Wells |                      |                             |
| <b>Map System:</b> | US State Plane 1927 (Exact solution)             | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)                          |                      | Using Well Reference Point  |
| <b>Map Zone:</b>   | New Mexico Central 3002                          |                      | Using geodetic scale factor |

|                              |                 |                          |                   |
|------------------------------|-----------------|--------------------------|-------------------|
| <b>Site</b>                  | SEC 26-T30N-R7W |                          |                   |
| <b>Site Position:</b>        |                 | <b>Northing:</b>         | 2,107,036.42 ft   |
| <b>From:</b>                 | Lat/Long        | <b>Easting:</b>          | 124,801.55 ft     |
| <b>Position Uncertainty:</b> | 0.0 ft          | <b>Slot Radius:</b>      | 6-1/8"            |
|                              |                 | <b>Latitude:</b>         | 36° 47' 1.660 N   |
|                              |                 | <b>Longitude:</b>        | 107° 31' 52.434 W |
|                              |                 | <b>Grid Convergence:</b> | -0.77 °           |

|                             |                                 |                            |                                  |
|-----------------------------|---------------------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | SJ 30-6 #96N, S-Type MV/DK Well |                            |                                  |
| <b>Well Position</b>        | +N/-S                           | 0.0 ft                     | <b>Northing:</b> 2,107,036.42 ft |
|                             | +E/-W                           | 0.0 ft                     | <b>Easting:</b> 124,801.55 ft    |
| <b>Position Uncertainty</b> | 3.5 ft                          | <b>Wellhead Elevation:</b> | ft                               |
|                             |                                 | <b>Latitude:</b>           | 36° 47' 1.660 N                  |
|                             |                                 | <b>Longitude:</b>          | 107° 31' 52.434 W                |
|                             |                                 | <b>Ground Level:</b>       | 6,253.0 ft                       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | BGGM2009          | 2/16/2010          | 9.95                   | 63.61                | 50,947                     |

|                          |                              |                   |                   |                          |
|--------------------------|------------------------------|-------------------|-------------------|--------------------------|
| <b>Design</b>            | Original Hole                |                   |                   |                          |
| <b>Audit Notes:</b>      |                              |                   |                   |                          |
| <b>Version:</b>          | 1.0                          | <b>Phase:</b>     | ACTUAL            | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b>     |
|                          | 0.0                          | 0.0               | 0.0               | 240.09                   |

|                       |                |                          |                  |                          |
|-----------------------|----------------|--------------------------|------------------|--------------------------|
| <b>Survey Program</b> | <b>Date</b>    | 4/1/2010                 |                  |                          |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>       |
| 265.0                 | 4,729.0        | Actual (Original Hole)   | MWD SDI          | MWD - Standard ver 1.0.1 |

|                            |                        |                    |                            |                   |                   |                              |                              |                             |                            |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|
| <b>Survey</b>              |                        |                    |                            |                   |                   |                              |                              |                             |                            |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |
| 0.0                        | 0.00                   | 0.00               | 0.0                        | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        | 0.00                       |
| 265.0                      | 0.65                   | 66.60              | 265.0                      | 0.6               | 1.4               | -1.5                         | 0.25                         | 0.25                        | 0.00                       |
| 296.0                      | 0.71                   | 38.28              | 296.0                      | 0.8               | 1.7               | -1.8                         | 1.09                         | 0.19                        | -91.36                     |
| 357.0                      | 0.78                   | 265.23             | 357.0                      | 1.1               | 1.5               | -1.8                         | 2.24                         | 0.11                        | -218.12                    |
| 419.0                      | 1.61                   | 254.93             | 419.0                      | 0.8               | 0.2               | -0.6                         | 1.38                         | 1.34                        | -16.61                     |
| 481.0                      | 3.34                   | 254.18             | 480.9                      | 0.1               | -2.4              | 2.0                          | 2.79                         | 2.79                        | -1.21                      |
| 543.0                      | 4.53                   | 252.83             | 542.8                      | -1.1              | -6.4              | 6.1                          | 1.93                         | 1.92                        | -2.18                      |
| 603.0                      | 5.67                   | 250.93             | 602.5                      | -2.8              | -11.5             | 11.4                         | 1.92                         | 1.90                        | -3.17                      |
| 665.0                      | 6.94                   | 251.78             | 664.2                      | -5.0              | -18.0             | 18.0                         | 2.05                         | 2.05                        | 1.37                       |
| 725.0                      | 7.96                   | 248.65             | 723.6                      | -7.6              | -25.3             | 25.7                         | 1.83                         | 1.70                        | -5.22                      |
| 787.0                      | 9.24                   | 247.40             | 784.9                      | -11.1             | -33.9             | 34.9                         | 2.09                         | 2.06                        | -2.02                      |
| 848.0                      | 10.26                  | 246.42             | 845.1                      | -15.1             | -43.4             | 45.1                         | 1.69                         | 1.67                        | -1.61                      |
| 910.0                      | 11.31                  | 245.46             | 906.0                      | -19.9             | -54.0             | 56.7                         | 1.72                         | 1.69                        | -1.55                      |

**Scientific Drilling International, Inc.**  
Survey Report

|                  |                  |                                     |                          |
|------------------|------------------|-------------------------------------|--------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Well SJ 30-6 #96N        |
| <b>Project:</b>  | SJB (NM Central) | <b>TVD Reference:</b>               | DFE @ 6268.0ft (AWS 730) |
| <b>Site:</b>     | SEC 26-T30N-R7W  | <b>MD Reference:</b>                | DFE @ 6268.0ft (AWS 730) |
| <b>Well:</b>     | SJ 30-6 #96N     | <b>North Reference:</b>             | True                     |
| <b>Wellbore:</b> | Original Hole    | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Design:</b>   | Original Hole    | <b>Database:</b>                    | edmCOP                   |

| Survey                 |                    |                |                        |               |               |                          |                          |                         |                        |  |
|------------------------|--------------------|----------------|------------------------|---------------|---------------|--------------------------|--------------------------|-------------------------|------------------------|--|
| Measured Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical Section<br>(ft) | Dogleg Rate<br>(°/100ft) | Build Rate<br>(°/100ft) | Turn Rate<br>(°/100ft) |  |
| 976.0                  | 12.85              | 242.75         | 970.5                  | -25.9         | -66.4         | 70.5                     | 2.49                     | 2.33                    | -4.11                  |  |
| 1,039.0                | 13.91              | 241.62         | 1,031.8                | -32.7         | -79.3         | 85.0                     | 1.73                     | 1.68                    | -1.79                  |  |
| 1,102.0                | 14.98              | 240.44         | 1,092.8                | -40.3         | -93.0         | 100.7                    | 1.76                     | 1.70                    | -1.87                  |  |
| 1,166.0                | 16.60              | 238.55         | 1,154.4                | -49.2         | -108.0        | 118.1                    | 2.66                     | 2.53                    | -2.95                  |  |
| 1,229.0                | 18.04              | 239.63         | 1,214.5                | -58.8         | -124.1        | 136.9                    | 2.34                     | 2.29                    | 1.71                   |  |
| 1,292.0                | 19.36              | 238.96         | 1,274.2                | -69.1         | -141.5        | 157.1                    | 2.12                     | 2.10                    | -1.06                  |  |
| 1,355.0                | 20.56              | 240.59         | 1,333.4                | -80.0         | -160.0        | 178.6                    | 2.10                     | 1.90                    | 2.59                   |  |
| 1,419.0                | 21.74              | 239.88         | 1,393.1                | -91.4         | -180.1        | 201.7                    | 1.89                     | 1.84                    | -1.11                  |  |
| 1,482.0                | 22.98              | 238.88         | 1,451.4                | -103.6        | -200.7        | 225.6                    | 2.06                     | 1.97                    | -1.59                  |  |
| 1,546.0                | 24.29              | 237.63         | 1,510.0                | -117.1        | -222.5        | 251.3                    | 2.19                     | 2.05                    | -1.95                  |  |
| 1,609.0                | 25.75              | 237.13         | 1,567.1                | -131.5        | -245.0        | 277.9                    | 2.34                     | 2.32                    | -0.79                  |  |
| 1,673.0                | 26.79              | 237.45         | 1,624.5                | -146.8        | -268.8        | 306.2                    | 1.64                     | 1.63                    | 0.50                   |  |
| 1,736.0                | 28.46              | 237.95         | 1,680.3                | -162.4        | -293.5        | 335.4                    | 2.68                     | 2.65                    | 0.79                   |  |
| 1,799.0                | 29.84              | 239.10         | 1,735.3                | -178.4        | -319.7        | 366.1                    | 2.36                     | 2.19                    | 1.83                   |  |
| 1,862.0                | 30.46              | 238.72         | 1,789.8                | -194.8        | -346.8        | 397.7                    | 1.03                     | 0.98                    | -0.60                  |  |
| 1,925.0                | 30.66              | 238.82         | 1,844.0                | -211.4        | -374.1        | 429.7                    | 0.33                     | 0.32                    | 0.16                   |  |
| 1,988.0                | 31.05              | 238.39         | 1,898.1                | -228.2        | -401.7        | 462.0                    | 0.71                     | 0.62                    | -0.68                  |  |
| 2,051.0                | 30.64              | 238.67         | 1,952.2                | -245.1        | -429.3        | 494.3                    | 0.69                     | -0.65                   | 0.44                   |  |
| 2,114.0                | 30.22              | 237.98         | 2,006.5                | -261.8        | -456.4        | 526.2                    | 0.87                     | -0.67                   | -1.10                  |  |
| 2,177.0                | 29.88              | 236.36         | 2,061.1                | -278.9        | -482.9        | 557.7                    | 1.40                     | -0.54                   | -2.57                  |  |
| 2,240.0                | 30.29              | 236.82         | 2,115.6                | -296.3        | -509.3        | 589.2                    | 0.75                     | 0.65                    | 0.73                   |  |
| 2,304.0                | 30.84              | 237.19         | 2,170.7                | -314.0        | -536.6        | 621.7                    | 0.91                     | 0.86                    | 0.58                   |  |
| 2,367.0                | 31.40              | 236.93         | 2,224.6                | -331.7        | -563.9        | 654.2                    | 0.91                     | 0.89                    | -0.41                  |  |
| 2,430.0                | 32.04              | 237.10         | 2,278.2                | -349.8        | -591.7        | 687.3                    | 1.03                     | 1.02                    | 0.27                   |  |
| 2,491.0                | 31.85              | 236.72         | 2,330.0                | -367.4        | -618.7        | 719.5                    | 0.45                     | -0.31                   | -0.62                  |  |
| 2,555.0                | 31.97              | 235.44         | 2,384.3                | -386.3        | -646.8        | 753.3                    | 1.07                     | 0.19                    | -2.00                  |  |
| 2,618.0                | 31.70              | 236.71         | 2,437.8                | -404.8        | -674.4        | 786.4                    | 1.15                     | -0.43                   | 2.02                   |  |
| 2,681.0                | 31.44              | 236.82         | 2,491.5                | -422.9        | -702.0        | 819.4                    | 0.42                     | -0.41                   | 0.17                   |  |
| 2,744.0                | 30.87              | 238.19         | 2,545.4                | -440.4        | -729.5        | 851.9                    | 1.44                     | -0.90                   | 2.17                   |  |
| 2,807.0                | 30.70              | 240.46         | 2,599.5                | -456.9        | -757.2        | 884.1                    | 1.86                     | -0.27                   | 3.60                   |  |
| 2,870.0                | 31.15              | 240.92         | 2,653.6                | -472.7        | -785.4        | 916.5                    | 0.81                     | 0.71                    | 0.73                   |  |
| 2,933.0                | 30.79              | 240.84         | 2,707.6                | -488.5        | -813.7        | 948.9                    | 0.58                     | -0.57                   | -0.13                  |  |
| 2,996.0                | 30.09              | 240.11         | 2,761.9                | -504.2        | -841.5        | 980.9                    | 1.26                     | -1.11                   | -1.16                  |  |
| 3,059.0                | 29.43              | 239.13         | 2,816.6                | -520.0        | -868.5        | 1,012.1                  | 1.30                     | -1.05                   | -1.56                  |  |
| 3,123.0                | 28.37              | 237.59         | 2,872.6                | -536.2        | -894.8        | 1,043.0                  | 2.02                     | -1.66                   | -2.41                  |  |
| 3,186.0                | 27.54              | 238.05         | 2,928.3                | -552.0        | -919.8        | 1,072.5                  | 1.36                     | -1.32                   | 0.73                   |  |
| 3,250.0                | 26.32              | 237.15         | 2,985.3                | -567.5        | -944.3        | 1,101.5                  | 2.01                     | -1.91                   | -1.41                  |  |
| 3,312.0                | 25.62              | 236.67         | 3,041.1                | -582.3        | -967.0        | 1,128.6                  | 1.18                     | -1.13                   | -0.77                  |  |
| 3,375.0                | 23.63              | 236.58         | 3,098.3                | -596.8        | -989.0        | 1,154.8                  | 3.16                     | -3.16                   | -0.14                  |  |
| 3,438.0                | 22.24              | 236.56         | 3,156.4                | -610.3        | -1,009.5      | 1,179.3                  | 2.21                     | -2.21                   | -0.03                  |  |
| 3,503.0                | 22.22              | 236.29         | 3,216.5                | -623.9        | -1,029.9      | 1,203.9                  | 0.16                     | -0.03                   | -0.42                  |  |
| 3,566.0                | 21.78              | 235.16         | 3,274.9                | -637.2        | -1,049.4      | 1,227.4                  | 0.97                     | -0.70                   | -1.79                  |  |
| 3,629.0                | 20.73              | 238.37         | 3,333.7                | -649.7        | -1,068.5      | 1,250.2                  | 2.49                     | -1.67                   | 5.10                   |  |
| 3,692.0                | 19.55              | 239.72         | 3,392.8                | -660.9        | -1,087.1      | 1,271.9                  | 2.01                     | -1.87                   | 2.14                   |  |
| 3,755.0                | 18.40              | 239.39         | 3,452.4                | -671.2        | -1,104.8      | 1,292.4                  | 1.83                     | -1.83                   | -0.52                  |  |
| 3,819.0                | 17.81              | 239.75         | 3,513.2                | -681.3        | -1,121.9      | 1,312.2                  | 0.94                     | -0.92                   | 0.56                   |  |
| 3,881.0                | 16.35              | 240.60         | 3,572.5                | -690.4        | -1,137.7      | 1,330.4                  | 2.39                     | -2.35                   | 1.37                   |  |
| 3,944.0                | 14.93              | 243.47         | 3,633.1                | -698.3        | -1,152.7      | 1,347.4                  | 2.57                     | -2.25                   | 4.56                   |  |
| 4,008.0                | 13.67              | 246.56         | 3,695.2                | -705.0        | -1,167.0      | 1,363.2                  | 2.30                     | -1.97                   | 4.83                   |  |
| 4,072.0                | 15.05              | 251.04         | 3,757.2                | -710.7        | -1,181.8      | 1,378.8                  | 2.77                     | 2.16                    | 7.00                   |  |
| 4,135.0                | 17.21              | 252.01         | 3,817.7                | -716.3        | -1,198.4      | 1,396.0                  | 3.46                     | 3.43                    | 1.54                   |  |
| 4,198.0                | 15.45              | 250.17         | 3,878.1                | -722.0        | -1,215.2      | 1,413.4                  | 2.91                     | -2.79                   | -2.92                  |  |
| 4,261.0                | 14.43              | 250.03         | 3,939.0                | -727.5        | -1,230.5      | 1,429.4                  | 1.62                     | -1.62                   | -0.22                  |  |
| 4,325.0                | 13.23              | 250.70         | 4,001.2                | -732.7        | -1,244.9      | 1,444.4                  | 1.89                     | -1.88                   | 1.05                   |  |

# Scientific Drilling International, Inc.

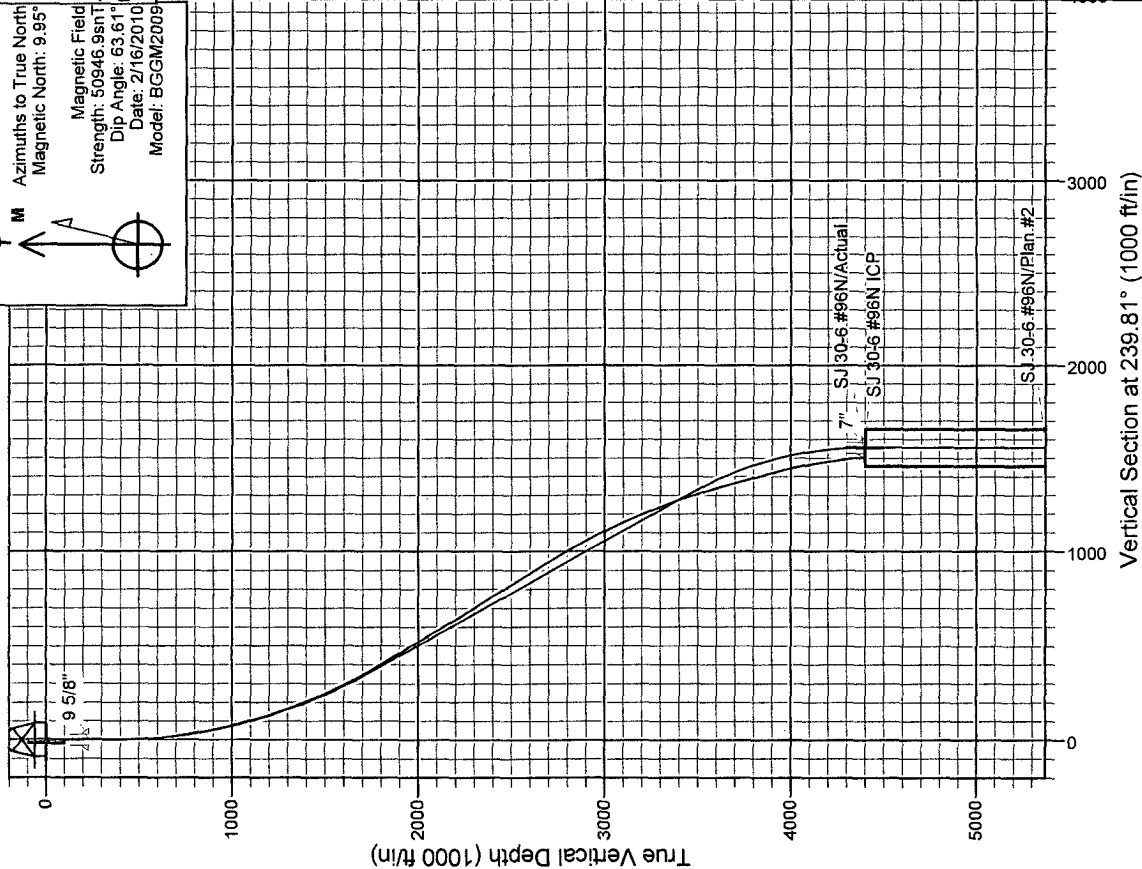
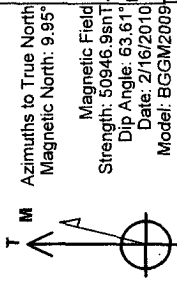
## Survey Report

|                  |                  |                                     |                          |
|------------------|------------------|-------------------------------------|--------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Well SJ 30-6 #96N        |
| <b>Project:</b>  | SJB (NM Central) | <b>TVD Reference:</b>               | DFE @ 6268.0ft (AWS 730) |
| <b>Site:</b>     | SEC 26-T30N-R7W  | <b>MD Reference:</b>                | DFE @ 6268.0ft (AWS 730) |
| <b>Well:</b>     | SJ 30-6 #96N     | <b>North Reference:</b>             | True                     |
| <b>Wellbore:</b> | Original Hole    | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Design:</b>   | Original Hole    | <b>Database:</b>                    | edmCOP                   |

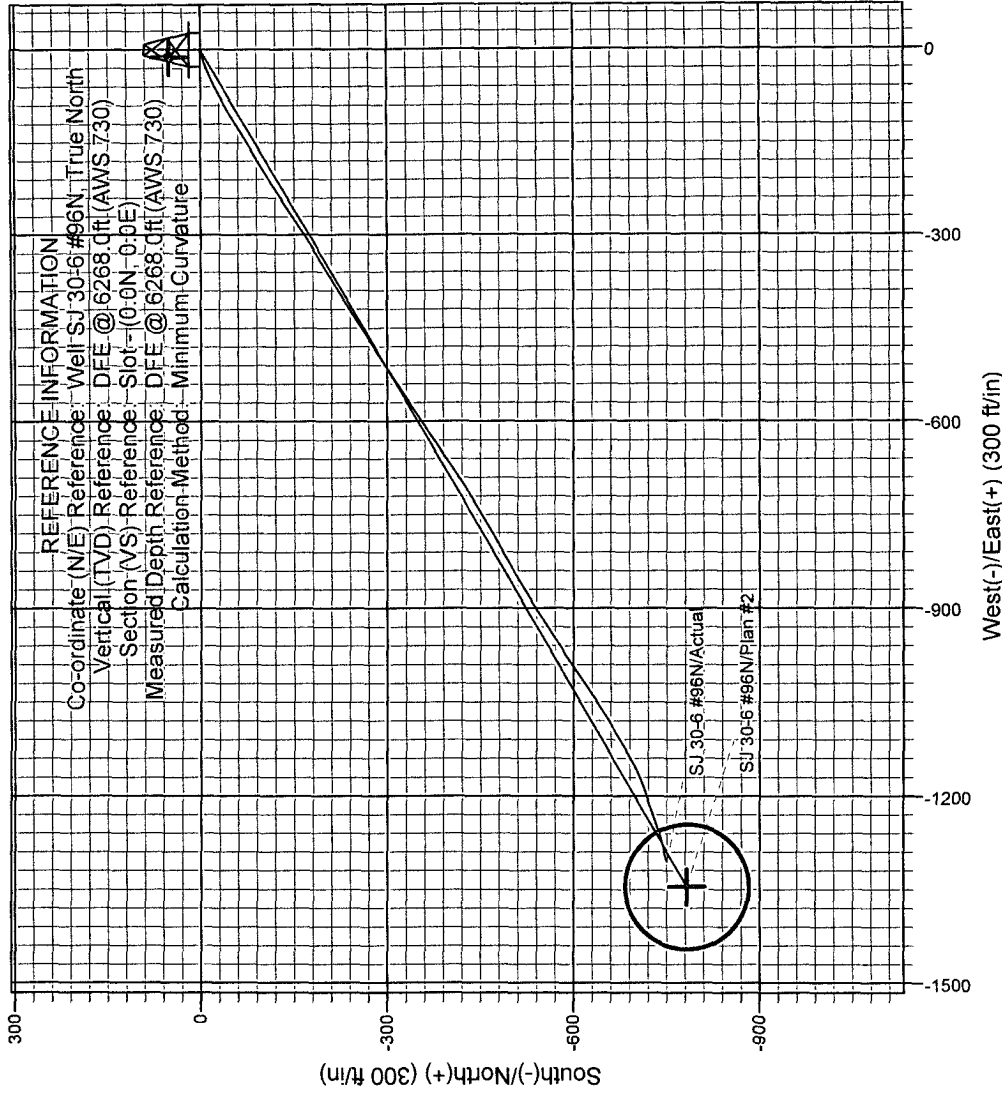
| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 4,388.0             | 11.10           | 252.20      | 4,062.7             | -736.9     | -1,257.5   | 1,457.4               | 3.42                  | -3.38                | 2.38                |  |
| 4,452.0             | 9.73            | 254.06      | 4,125.7             | -740.3     | -1,268.5   | 1,468.7               | 2.20                  | -2.14                | 2.91                |  |
| 4,515.0             | 9.00            | 256.09      | 4,187.8             | -742.9     | -1,278.4   | 1,478.6               | 1.27                  | -1.16                | 3.22                |  |
| 4,578.0             | 8.42            | 254.98      | 4,250.1             | -745.3     | -1,287.7   | 1,487.8               | 0.96                  | -0.92                | -1.76               |  |
| 4,642.0             | 7.81            | 254.32      | 4,313.5             | -747.7     | -1,296.4   | 1,496.5               | 0.96                  | -0.95                | -1.03               |  |
| 4,729.0             | 4.24            | 244.19      | 4,400.0             | -750.7     | -1,305.0   | 1,505.5               | 4.27                  | -4.10                | -11.64              |  |



Project: SJB (NM Central)  
SEC 26-T30N-R7W  
Well: SJ 30-6 #96N  
Wellbore: Original Hole  
Design: Plan #2  
Site:



WELL DETAILS: SJ 30-6 #96N  
DFE @ 6268.0ft (AWS 730)  
Ground Level: 6253.0  
Easting: 124801.55  
Northing: 2107036.42  
Latitude: 36° 47' 1.660 N  
Longitude: 107° 31' 52.434 W



COMPANY DETAILS: ConocoPhillips  
Calculation Method: Minimum Curvature  
Error System: ISCWSA  
Scan Method: Closest Approach 3D  
Error Surface: Combined Covariances  
Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM Central)  
Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico Central 3002  
System Datum: Mean Sea Level

SITE DETAILS: SEC 26-T30N-R7W  
Rio Arriba County NM  
Site Centre Latitude: 36° 47' 1.660 N  
Longitude: 107° 31' 52.434 W  
Positional Uncertainty: 0.0  
Convergence: -0.77  
Local North: True