

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

"AS DRILLED PLAT"

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                             |                                                                   |
|------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-039-30709</b> | <sup>2</sup> Pool Code<br><b>71599 / 72319</b>              | <sup>3</sup> Pool Name<br><b>BLANCO BASIN DAKOTA / MESA VERDE</b> |
| <sup>4</sup> Property Code<br><b>31739</b>     | <sup>5</sup> Property Name<br><b>SAN JUAN 28-7 UNIT</b>     | <sup>6</sup> Well Number<br><b>25IN</b>                           |
| <sup>7</sup> OGRD No.<br><b>217817</b>         | <sup>8</sup> Operator Name<br><b>CONOCOPHILLIPS COMPANY</b> | <sup>9</sup> Elevation<br><b>6290</b>                             |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| E             | 31      | 28 N     | 7 W   | LOT 2   | 2463          | NORTH            | 456           | WEST           | RIO ARRIBA |

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

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| F             | 31      | 28 N     | 7 W   | 2087    |               | NORTH            | 1454          | WEST           | RIO ARRIBA |

|                                                                       |                               |                                  |                                          |                                        |
|-----------------------------------------------------------------------|-------------------------------|----------------------------------|------------------------------------------|----------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>301.23 (W/2) MV<br/>316.50 DK</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>R-2948</b> | <b>RCVD MAY 4 '10<br/>OIL CONS DIV</b> |
|-----------------------------------------------------------------------|-------------------------------|----------------------------------|------------------------------------------|----------------------------------------|

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**

|                                                                                                                             |               |               |               |                                                  |                                             |                                                                                                                                                                                                               |                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|--------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 16                                                                                                                          |               | FEE           |               | O = SURFACE LOCATION<br>● = BOTTOM HOLE LOCATION |                                             | 17 OPERATOR CERTIFICATION                                                                                                                                                                                     |                                                                    |
| SECTION 30                                                                                                                  |               | 2519.67'      |               | S 89°49'53" W                                    |                                             | 2626.34'                                                                                                                                                                                                      |                                                                    |
| N 89°55'59" E                                                                                                               | 2625.63'      | LOT 1 (36.50) | 2087'         | USA SF-078500-A                                  |                                             | Signature <u>Crystal Tafoya</u> Date <u>4/30/10</u>                                                                                                                                                           |                                                                    |
| 2463'                                                                                                                       | 10°10'46" W   | LOT 2 (36.57) |               |                                                  |                                             | Printed Name <u>Crystal Tafoya</u> <u>4/30/10</u>                                                                                                                                                             |                                                                    |
| 1454'                                                                                                                       | 456'          | SECTION 31    |               |                                                  |                                             | 18 SURVEYOR CERTIFICATION                                                                                                                                                                                     |                                                                    |
| NAD 83<br>LAT: 36.618253° N<br>LONG: 107.621795° W<br>NAD 27<br>LAT: 36°37.0947' N<br>LONG: 107°37.2712' W<br>LOT 3 (36.64) |               |               |               |                                                  |                                             | 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. |                                                                    |
| 2549.85'                                                                                                                    | LOT 4 (34.18) | LOT 5 (37.34) | LOT 6 (37.45) | LOT 7 (37.55)                                    | 3/21/08<br>Date of Survey                   |                                                                                                                                                                                                               | MARSHALL W. LINDEN<br>NEW MEXICO<br>17078<br>PROFESSIONAL SURVEYOR |
| 0°06'03" W                                                                                                                  | 2554.46'      |               | N 89°55'44" W |                                                  | Signature and Seal of Professional Surveyor |                                                                                                                                                                                                               |                                                                    |
| S 89°48'16" W                                                                                                               |               |               |               | 2597.07' (CALC)                                  |                                             | 17078<br>Certificate Number                                                                                                                                                                                   |                                                                    |

5/4



# COP Deviation Report

## SAN JUAN 28-7 UNIT #251N

|                                           |                                            |                         |                         |                              |
|-------------------------------------------|--------------------------------------------|-------------------------|-------------------------|------------------------------|
| Operator<br>CONOCOPHILLIPS COMPANY        | Legal WellName<br>SAN JUAN 28-7 UNIT #251N | API / UWI<br>3003930709 | County<br>RIO ARRIBA    | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>031-028N-007W-E | N/S Dist (ft)<br>2,463.00                  | N/S Ref<br>FNL          | E/W Dist (ft)<br>456.00 | E/W Ref<br>FWL               |

| Survey Data |           |          |            |                     |
|-------------|-----------|----------|------------|---------------------|
| Date        | MD (ftKB) | Incl (°) | Method     | Survey Company      |
| 12/19/2009  | 0.00      | 0.00     | IncAzi-MWD | Scientific Drilling |
| 11/23/2009  | 130.00    | 1.00     | Inc-Drop   | MO-TE DRILLING INC. |
| 11/24/2009  | 236.00    | 0.75     | Inc-Drop   | MO-TE DRILLING INC. |
| 12/19/2009  | 271.00    | 1.21     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 301.00    | 1.39     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 332.00    | 1.62     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 363.00    | 1.91     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 394.00    | 2.30     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 425.00    | 2.82     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 455.00    | 3.51     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 486.00    | 3.93     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 517.00    | 4.98     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 547.00    | 5.40     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 596.00    | 5.92     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 641.00    | 6.44     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 686.00    | 6.81     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 731.00    | 7.63     | IncAzi-MWD | Scientific Drilling |
| 12/19/2009  | 776.00    | 8.42     | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 821.00    | 9.17     | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 866.00    | 10.07    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 911.00    | 10.81    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 956.00    | 11.37    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,001.00  | 11.89    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,046.00  | 12.54    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,091.00  | 13.55    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,136.00  | 14.46    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,180.00  | 15.32    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,226.00  | 16.27    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,271.00  | 17.18    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,315.00  | 18.22    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,360.00  | 19.64    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,405.00  | 20.39    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,450.00  | 21.12    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,495.00  | 21.75    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,585.00  | 22.04    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,675.00  | 21.20    | 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 28-7 UNIT #251N**

| Survey Data |           |          |            |                     |
|-------------|-----------|----------|------------|---------------------|
| Date        | MD (ftKB) | Incl (°) | Method     | Survey Company      |
| 12/20/2009  | 1,765.00  | 22.64    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,855.00  | 22.93    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 1,945.00  | 22.95    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,035.00  | 23.51    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,125.00  | 22.80    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,215.00  | 22.56    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,305.00  | 22.21    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,395.00  | 22.62    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,485.00  | 22.66    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,575.00  | 22.56    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,665.00  | 21.84    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,755.00  | 21.01    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,845.00  | 21.73    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 2,934.00  | 22.13    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 3,024.00  | 22.11    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 3,114.00  | 19.98    | IncAzi-MWD | Scientific Drilling |
| 12/20/2009  | 3,203.00  | 18.54    | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,293.00  | 16.59    | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,383.00  | 13.60    | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,473.00  | 10.81    | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,563.00  | 8.94     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,652.00  | 8.19     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,743.00  | 7.25     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,833.00  | 6.67     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 3,922.00  | 5.75     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,012.00  | 5.38     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,102.00  | 5.38     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,192.00  | 5.17     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,282.00  | 5.01     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,372.00  | 4.90     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,462.00  | 3.65     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,552.00  | 3.27     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,642.00  | 3.79     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,732.00  | 3.62     | IncAzi-MWD | Scientific Drilling |
| 12/21/2009  | 4,822.00  | 3.40     | IncAzi-MWD | Scientific Drilling |
| 12/30/2009  | 7,330.00  | 0.75     | Inc-WL     | PHOENIX             |

RCVD MAY 4 '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.

*[Signature]*

Subscribed and sworn to me this May 3, 2010

*[Signature]*  
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

# ConocoPhillips

SJB (NM Central)

SEC 31-T28N-R7W

SJ 28-7 #251N

API # 30.039.30709

Original Hole

RCVD MAY 4 '10

OIL CONS. DIV.  
DIST. 3

Survey: Actual

## Standard Survey Report

17 February, 2010

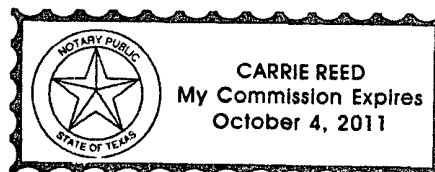
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 17 of February, 2010.

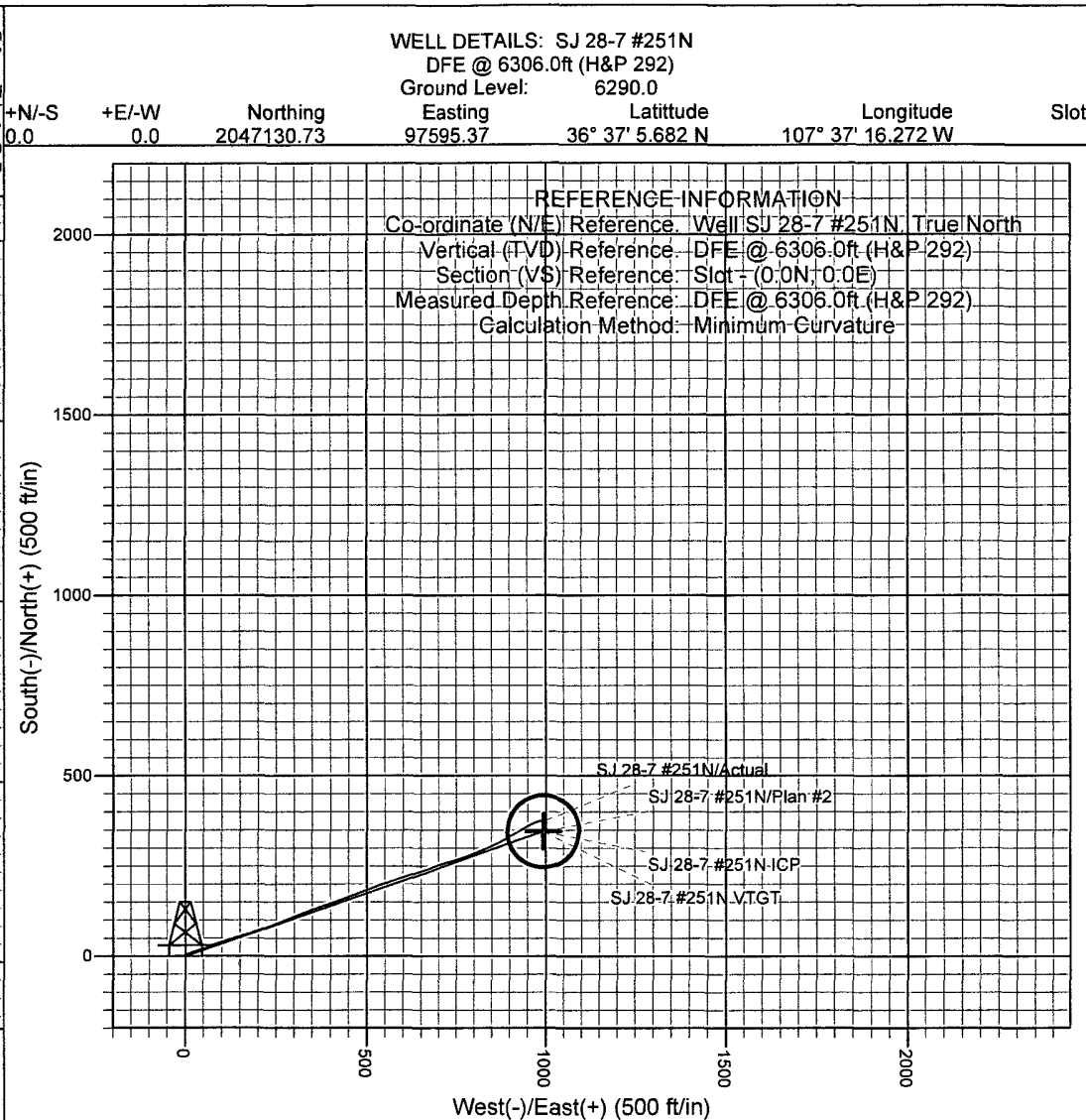
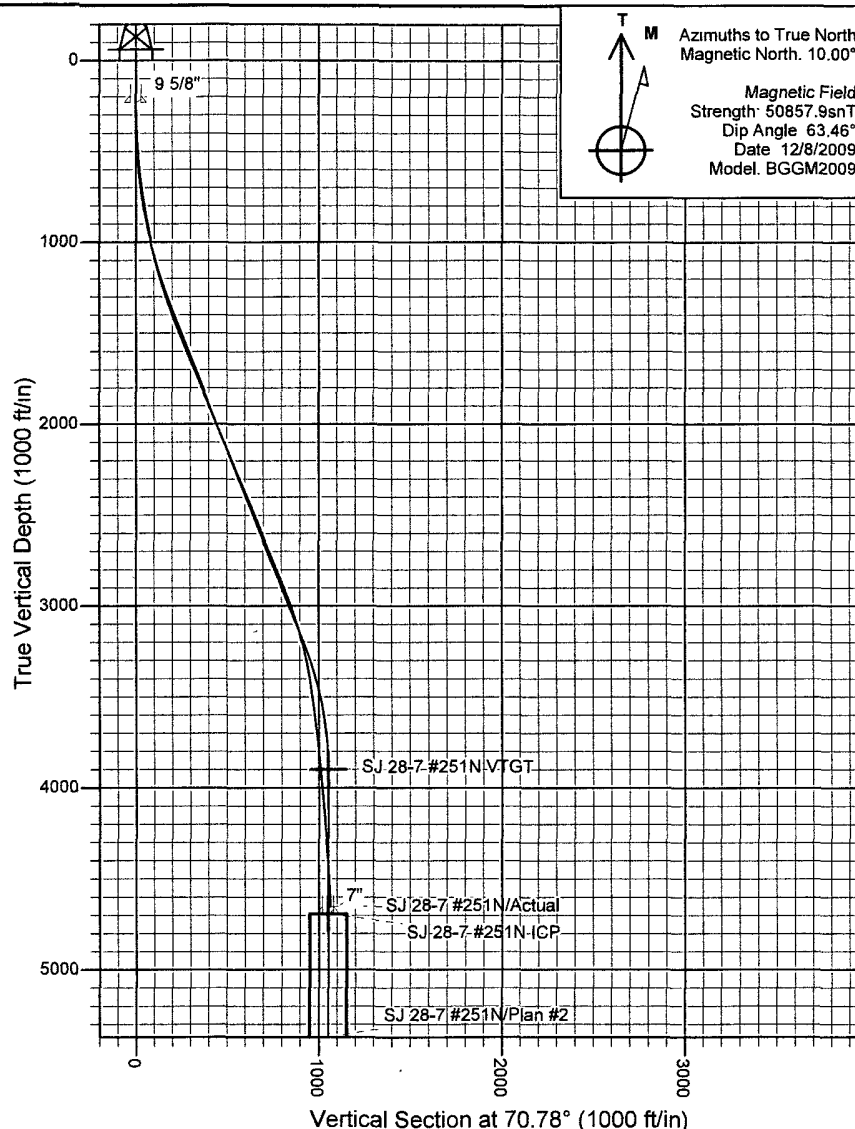
Carrie Reed

Notary Signature  
County of Midland  
State of Texas





Project: SJB (NM Central)  
Site: SEC 31-T28N-R7W  
Well: SJ 28-7 #251N  
Wellbore: Original Hole  
Design: Plan #2



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 31-T28N-R7W  
Rio Arriba County NM  
Site Centre Latitude: 36° 37' 5.682 N  
Longitude: 107° 37' 16.272 W  
Positional Uncertainty: 0.0  
Convergence: -0.82  
Local North: True

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

|                  |                  |                                     |                          |
|------------------|------------------|-------------------------------------|--------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Site SEC 31-T28N-R7W     |
| <b>Project:</b>  | SJB (NM Central) | <b>TVD Reference:</b>               | DFE @ 6306.0ft (H&P 292) |
| <b>Site:</b>     | SEC 31-T28N-R7W  | <b>MD Reference:</b>                | DFE @ 6306.0ft (H&P 292) |
| <b>Well:</b>     | SJ 28-7 #251N    | <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 |

|                       |                 |              |                 |                   |                   |
|-----------------------|-----------------|--------------|-----------------|-------------------|-------------------|
| Site:                 | SEC 31-T28N-R7W |              |                 |                   |                   |
| Site Position:        |                 | Northing:    | 2,047,130.73 ft | Latitude:         | 36° 37' 5.682 N   |
| From:                 | Lat/Long        | Easting:     | 97,595.37 ft    | Longitude:        | 107° 37' 16.272 W |
| Position Uncertainty: | 0 0 ft          | Slot Radius: | 6-1/8"          | Grid Convergence: | -0.82 °           |

|                      |                                  |        |                     |                 |               |                   |
|----------------------|----------------------------------|--------|---------------------|-----------------|---------------|-------------------|
| Well:                | SJ 28-7 #251N, S-Type MV/DK Well |        |                     |                 |               |                   |
| Well Position        | +N/-S                            | 0 0 ft | Northing:           | 2,047,130.73 ft | Latitude:     | 36° 37' 5.682 N   |
|                      | +E/-W                            | 0 0 ft | Easting:            | 97,595 37 ft    | Longitude:    | 107° 37' 16 272 W |
| Position Uncertainty |                                  | 3 5 ft | Wellhead Elevation: | ft              | Ground Level: | 6,290.0 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</b> |
|                  |                   |                    | (°)                | (°)              | (nT)                  |
|                  | BGGM2009          | 12/8/2009          | 10.00              | 63.46            | 50,858                |

|                   |                  |        |        |               |     |
|-------------------|------------------|--------|--------|---------------|-----|
| Design:           | Original Hole    |        |        |               |     |
| Audit Notes:      |                  |        |        |               |     |
| Version:          | 1.0              | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W  | Direction     |     |
|                   | (ft)             | (ft)   | (ft)   | (°)           |     |
|                   | 0.0              | 0.0    | 0.0    | 69.38         |     |

|                       |                |                          |                  |                          |
|-----------------------|----------------|--------------------------|------------------|--------------------------|
| <b>Survey Program</b> | Date 2/17/2010 |                          |                  |                          |
| <b>From</b>           | <b>To</b>      | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>       |
| (ft)                  | (ft)           |                          |                  |                          |
| 271.0                 | 4,822.0        | Actual (Original Hole)   | MWD SDI          | MWD - Standard ver 1.0 1 |

|                 |                    |                |                 |              |              |                 |               |              |             |  |
|-----------------|--------------------|----------------|-----------------|--------------|--------------|-----------------|---------------|--------------|-------------|--|
| <b>Survey</b>   |                    |                |                 |              |              |                 |               |              |             |  |
| <b>Measured</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Vertical</b> | <b>Dogleg</b> | <b>Build</b> | <b>Turn</b> |  |
| <b>Depth</b>    | <b>(°)</b>         | <b>(°)</b>     | <b>Depth</b>    | <b>(ft)</b>  | <b>(ft)</b>  | <b>Section</b>  | <b>Rate</b>   | <b>Rate</b>  | <b>Rate</b> |  |
| (ft)            |                    |                | (ft)            |              |              | (ft)            | (°/100ft)     | (°/100ft)    | (°/100ft)   |  |
| 0 0             | 0.00               | 0.00           | 0.0             | 0.0          | 0.0          | 0.0             | 0.00          | 0.00         | 0.00        |  |
| 271.0           | 1.21               | 38.61          | 271.0           | 2.2          | 1.8          | 2.5             | 0.45          | 0.45         | 0.00        |  |
| 301.0           | 1.39               | 44.30          | 301.0           | 2.7          | 2.2          | 3.1             | 0.74          | 0.60         | 18.97       |  |
| 332.0           | 1.62               | 44.55          | 332.0           | 3.3          | 2.8          | 3.8             | 0.74          | 0.74         | 0.81        |  |
| 363.0           | 1.91               | 48.38          | 362.9           | 4.0          | 3.5          | 4.7             | 1.01          | 0.94         | 12.35       |  |
| 394.0           | 2.30               | 56.96          | 393.9           | 4.7          | 4.4          | 5.8             | 1.61          | 1.26         | 27.68       |  |
| 425.0           | 2.82               | 60.29          | 424.9           | 5.4          | 5.6          | 7.1             | 1.74          | 1.68         | 10.74       |  |
| 455.0           | 3.51               | 63.65          | 454.8           | 6.2          | 7.1          | 8.8             | 2.38          | 2.30         | 11.20       |  |
| 486.0           | 3.93               | 66.71          | 485.8           | 7.0          | 8.9          | 10.8            | 1.50          | 1.35         | 9.87        |  |
| 517.0           | 4.98               | 68.59          | 516.7           | 7.9          | 11.1         | 13.2            | 3.42          | 3.39         | 6.06        |  |
| 547.0           | 5.40               | 68.19          | 546.6           | 8.9          | 13.6         | 15.9            | 1.41          | 1.40         | -1.33       |  |
| 596.0           | 5.92               | 68.34          | 595.3           | 10.7         | 18.1         | 20.7            | 1.06          | 1.06         | 0.31        |  |
| 641.0           | 6.44               | 72.62          | 640.1           | 12.3         | 22.7         | 25.6            | 1.54          | 1.16         | 9.51        |  |

# Scientific Drilling International, Inc.

## Survey Report

|                  |                  |                                     |                          |
|------------------|------------------|-------------------------------------|--------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Site SEC 31-T28N-R7W     |
| <b>Project:</b>  | SJB (NM Central) | <b>TVD Reference:</b>               | DFE @ 6306.0ft (H&P 292) |
| <b>Site:</b>     | SEC 31-T28N-R7W  | <b>MD Reference:</b>                | DFE @ 6306.0ft (H&P 292) |
| <b>Well:</b>     | SJ 28-7 #251N    | <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) |  |
| 686.0               | 6.81            | 74.78       | 684.8               | 13.8       | 27.7       | 30.7                  | 0.99                  | 0.82                 | 4.80                |  |
| 731.0               | 7.63            | 72.29       | 729.4               | 15.4       | 33.1       | 36.4                  | 1.95                  | 1.82                 | -5.53               |  |
| 776.0               | 8.42            | 70.18       | 774.0               | 17.4       | 39.0       | 42.7                  | 1.87                  | 1.76                 | -4.69               |  |
| 821.0               | 9.17            | 69.77       | 818.4               | 19.8       | 45.5       | 49.5                  | 1.67                  | 1.67                 | -0.91               |  |
| 866.0               | 10.07           | 69.84       | 862.8               | 22.3       | 52.6       | 57.1                  | 2.00                  | 2.00                 | 0.16                |  |
| 911.0               | 10.81           | 69.30       | 907.1               | 25.2       | 60.2       | 65.2                  | 1.66                  | 1.64                 | -1.20               |  |
| 956.0               | 11.37           | 69.76       | 951.2               | 28.2       | 68.3       | 73.9                  | 1.26                  | 1.24                 | 1.02                |  |
| 1,001.0             | 11.89           | 70.54       | 995.3               | 31.3       | 76.8       | 82.9                  | 1.21                  | 1.16                 | 1.73                |  |
| 1,046.0             | 12.54           | 71.35       | 1,039.3             | 34.4       | 85.8       | 92.5                  | 1.49                  | 1.44                 | 1.80                |  |
| 1,091.0             | 13.55           | 71.11       | 1,083.1             | 37.7       | 95.5       | 102.6                 | 2.25                  | 2.24                 | -0.53               |  |
| 1,136.0             | 14.46           | 71.27       | 1,126.8             | 41.2       | 105.8      | 113.5                 | 2.02                  | 2.02                 | 0.36                |  |
| 1,180.0             | 15.32           | 72.26       | 1,169.3             | 44.7       | 116.5      | 124.8                 | 2.04                  | 1.95                 | 2.25                |  |
| 1,226.0             | 16.27           | 72.16       | 1,213.6             | 48.5       | 128.4      | 137.3                 | 2.07                  | 2.07                 | -0.22               |  |
| 1,271.0             | 17.18           | 73.02       | 1,256.7             | 52.4       | 140.8      | 150.2                 | 2.10                  | 2.02                 | 1.91                |  |
| 1,315.0             | 18.22           | 72.46       | 1,298.6             | 56.4       | 153.6      | 163.6                 | 2.40                  | 2.36                 | -1.27               |  |
| 1,360.0             | 19.64           | 72.49       | 1,341.1             | 60.8       | 167.5      | 178.2                 | 3.16                  | 3.16                 | 0.07                |  |
| 1,405.0             | 20.39           | 72.86       | 1,383.4             | 65.4       | 182.2      | 193.5                 | 1.69                  | 1.67                 | 0.82                |  |
| 1,450.0             | 21.12           | 72.30       | 1,425.5             | 70.1       | 197.4      | 209.5                 | 1.68                  | 1.62                 | -1.24               |  |
| 1,495.0             | 21.75           | 70.05       | 1,467.4             | 75.5       | 213.0      | 225.9                 | 2.30                  | 1.40                 | -5.00               |  |
| 1,585.0             | 22.04           | 68.59       | 1,550.9             | 87.3       | 244.4      | 259.4                 | 0.69                  | 0.32                 | -1.62               |  |
| 1,675.0             | 21.20           | 68.21       | 1,634.6             | 99.5       | 275.2      | 292.6                 | 0.95                  | -0.93                | -0.42               |  |
| 1,765.0             | 22.64           | 68.69       | 1,718.1             | 111.9      | 306.4      | 326.2                 | 1.61                  | 1.60                 | 0.53                |  |
| 1,855.0             | 22.93           | 70.12       | 1,801.0             | 124.1      | 339.1      | 361.0                 | 0.69                  | 0.32                 | 1.59                |  |
| 1,945.0             | 22.95           | 70.19       | 1,883.9             | 136.0      | 372.1      | 396.1                 | 0.04                  | 0.02                 | 0.08                |  |
| 2,035.0             | 23.51           | 70.63       | 1,966.6             | 147.9      | 405.5      | 431.6                 | 0.65                  | 0.62                 | 0.49                |  |
| 2,125.0             | 22.80           | 69.73       | 2,049.4             | 159.9      | 438.8      | 467.0                 | 0.88                  | -0.79                | -1.00               |  |
| 2,215.0             | 22.56           | 69.33       | 2,132.4             | 172.0      | 471.3      | 501.7                 | 0.32                  | -0.27                | -0.44               |  |
| 2,305.0             | 22.21           | 69.05       | 2,215.6             | 184.2      | 503.3      | 536.0                 | 0.41                  | -0.39                | -0.31               |  |
| 2,395.0             | 22.62           | 69.03       | 2,298.8             | 196.5      | 535.4      | 570.3                 | 0.46                  | 0.46                 | -0.02               |  |
| 2,485.0             | 22.66           | 72.11       | 2,381.9             | 208.0      | 568.1      | 604.9                 | 1.32                  | 0.04                 | 3.42                |  |
| 2,575.0             | 22.56           | 72.52       | 2,465.0             | 218.5      | 601.0      | 639.5                 | 0.21                  | -0.11                | 0.46                |  |
| 2,665.0             | 21.84           | 71.44       | 2,548.3             | 229.0      | 633.4      | 673.4                 | 0.92                  | -0.80                | -1.20               |  |
| 2,755.0             | 21.01           | 69.67       | 2,632.1             | 240.0      | 664.4      | 706.3                 | 1.17                  | -0.92                | -1.97               |  |
| 2,845.0             | 21.73           | 72.29       | 2,715.9             | 250.7      | 695.4      | 739.1                 | 1.33                  | 0.80                 | 2.91                |  |
| 2,934.0             | 22.13           | 73.95       | 2,798.5             | 260.3      | 727.2      | 772.2                 | 0.83                  | 0.45                 | 1.87                |  |
| 3,024.0             | 22.11           | 73.28       | 2,881.8             | 269.9      | 759.7      | 806.0                 | 0.28                  | -0.02                | -0.74               |  |
| 3,114.0             | 19.98           | 68.63       | 2,965.8             | 280.3      | 790.2      | 838.3                 | 3.01                  | -2.37                | -5.17               |  |
| 3,203.0             | 18.54           | 68.32       | 3,049.9             | 291.1      | 817.5      | 867.7                 | 1.62                  | -1.62                | -0.35               |  |
| 3,293.0             | 16.59           | 65.73       | 3,135.7             | 301.7      | 842.5      | 894.8                 | 2.33                  | -2.17                | -2.88               |  |
| 3,383.0             | 13.60           | 63.69       | 3,222.5             | 311.6      | 863.7      | 918.2                 | 3.37                  | -3.32                | -2.27               |  |
| 3,473.0             | 10.81           | 62.71       | 3,310.5             | 320.2      | 880.7      | 937.1                 | 3.11                  | -3.10                | -1.09               |  |
| 3,563.0             | 8.94            | 60.12       | 3,399.2             | 327.6      | 894.3      | 952.4                 | 2.14                  | -2.08                | -2.88               |  |
| 3,652.0             | 8.19            | 59.81       | 3,487.2             | 334.2      | 905.8      | 965.4                 | 0.84                  | -0.84                | -0.35               |  |
| 3,743.0             | 7.25            | 59.44       | 3,577.3             | 340.4      | 916.3      | 977.5                 | 1.03                  | -1.03                | -0.41               |  |
| 3,833.0             | 6.67            | 59.73       | 3,666.7             | 345.9      | 925.7      | 988.2                 | 0.65                  | -0.64                | 0.32                |  |
| 3,922.0             | 5.75            | 58.01       | 3,755.2             | 350.9      | 934.0      | 997.7                 | 1.05                  | -1.03                | -1.93               |  |
| 4,012.0             | 5.38            | 59.17       | 3,844.7             | 355.4      | 941.4      | 1,006.3               | 0.43                  | -0.41                | 1.29                |  |
| 4,102.0             | 5.38            | 60.57       | 3,934.3             | 359.7      | 948.7      | 1,014.6               | 0.15                  | 0.00                 | 1.56                |  |
| 4,192.0             | 5.17            | 61.85       | 4,023.9             | 363.6      | 956.0      | 1,022.8               | 0.27                  | -0.23                | 1.42                |  |
| 4,282.0             | 5.01            | 65.51       | 4,113.6             | 367.2      | 963.1      | 1,030.7               | 0.40                  | -0.18                | 4.07                |  |
| 4,372.0             | 4.90            | 67.16       | 4,203.3             | 370.3      | 970.2      | 1,038.5               | 0.20                  | -0.12                | 1.83                |  |
| 4,462.0             | 3.65            | 77.05       | 4,293.0             | 372.4      | 976.6      | 1,045.2               | 1.61                  | -1.39                | 10.99               |  |
| 4,552.0             | 3.27            | 76.76       | 4,382.8             | 373.7      | 981.9      | 1,050.6               | 0.42                  | -0.42                | -0.32               |  |
| 4,642.0             | 3.79            | 73.79       | 4,472.7             | 375.1      | 987.2      | 1,056.1               | 0.61                  | 0.58                 | -3.30               |  |

# Scientific Drilling International, Inc.

## Survey Report

|                  |                  |                                     |                          |
|------------------|------------------|-------------------------------------|--------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Site SEC 31-T28N-R7W     |
| <b>Project:</b>  | SJB (NM Central) | <b>TVD Reference:</b>               | DFE @ 6306.0ft (H&P 292) |
| <b>Site:</b>     | SEC 31-T28N-R7W  | <b>MD Reference:</b>                | DFE @ 6306.0ft (H&P 292) |
| <b>Well:</b>     | SJ 28-7 #251N    | <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<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100ft) | Build<br>Rate<br>(°/100ft) | Turn<br>Rate<br>(°/100ft) |
| 4,732.0                   | 3.62               | 88.78          | 4,562.5                   | 376.0         | 992.9         | 1,061.7                     | 1.09                        | -0.19                      | 16.66                     |
| 4,822.0                   | 3.40               | 100.07         | 4,652.3                   | 375.6         | 998.4         | 1,066.7                     | 0.80                        | -0.24                      | 12.54                     |

Most Recent Job

| Job Category | Primary Job Type   | Secondary Job Type | Actual Start Date | End Date  |
|--------------|--------------------|--------------------|-------------------|-----------|
| COMPLETIONS  | INITIAL COMPLETION | INITIAL COMPLETION | 1/12/2010         | 4/26/2010 |

Well Config. DEVIATED - Original Hole, 4/28/2010 12 50:10 PM

