

DISTRICT 1  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

AS DRILLED PLAT

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                                         |                                       |                                                           |
|-----------------------------------------|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|
| <sup>1</sup> API Number<br>30-045-35085 |                                                                         | <sup>2</sup> Pool Code<br>72319/71599 | <sup>3</sup> Pool Name<br>BLANCO MESAVERDE / BASIN DAKOTA |
| <sup>4</sup> Property Code<br>18576     | <sup>5</sup> Property Name<br>MARK MADDOX                               |                                       | <sup>6</sup> Well Number<br>1 M                           |
| <sup>7</sup> GRID No.<br>14538          | <sup>8</sup> Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP |                                       | <sup>9</sup> Elevation<br>6416'                           |

<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   |
| J             | 15      | 32N      | 11W   |         | 1607'         | SOUTH            | 1803'         | EAST           | SAN JUAN |

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

|                                                     |               |                 |                               |         |                                  |                           |                                                             |                        |                    |
|-----------------------------------------------------|---------------|-----------------|-------------------------------|---------|----------------------------------|---------------------------|-------------------------------------------------------------|------------------------|--------------------|
| UL or lot no.<br>P                                  | Section<br>15 | Township<br>32N | Range<br>11W                  | Lot Idn | Feet from the<br>735'            | North/South line<br>SOUTH | Feet from the<br>1160'                                      | East/West line<br>EAST | County<br>SAN JUAN |
| <sup>13</sup> Dedicated Acres<br>320.00 ACRES – E/2 |               |                 | <sup>14</sup> Joint or Infill |         | <sup>15</sup> Consolidation Code |                           | <sup>16</sup> Order No.<br>RCVD FEB 8 '13<br>OIL CONS. DIV. |                        |                    |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION **DS-3**

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|                                                          |                                   |                         |                           |                              |
|----------------------------------------------------------|-----------------------------------|-------------------------|---------------------------|------------------------------|
| Operator<br>BURLINGTON RESOURCES OIL &<br>GAS COMPANY LP | Legal WellName<br>MARK MADDOX #1M | API / UWI<br>3004535085 | County<br>SAN JUAN        | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>015-032N-011W-J                | N/S Dist (ft)<br>1,607.00         | N/S Ref<br>FSL          | E/W Dist (ft)<br>1,803.00 | E/W Ref<br>FEL               |

| Survey Data |           |          |         |            |                     |
|-------------|-----------|----------|---------|------------|---------------------|
| Date        | MD (ftKB) | Incl (°) | Azm (°) | Method     | Survey Company      |
| 11/1/2012   | 128.00    | 0.25     |         | Inc-Drop   | Mo Te Drilling Inc  |
| 11/1/2012   | 234.00    | 1.00     |         | Inc-Drop   | Mo Te Drilling Inc  |
| 11/15/2012  | 329.00    | 1.08     | 44.92   | IncAzi-MWD | Scientific Drilling |
| 11/15/2012  | 391.00    | 1.01     | 77.80   | IncAzi-MWD | Scientific Drilling |
| 11/15/2012  | 452.00    | 1.66     | 118.59  | IncAzi-MWD | Scientific Drilling |
| 11/15/2012  | 513.00    | 2.91     | 137.46  | IncAzi-MWD | Scientific Drilling |
| 11/15/2012  | 575.00    | 4.65     | 148.00  | IncAzi-MWD | Scientific Drilling |
| 11/15/2012  | 606.00    | 5.59     | 149.03  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 636.00    | 6.49     | 150.12  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 668.00    | 7.38     | 151.15  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 699.00    | 8.31     | 153.02  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 729.00    | 9.36     | 152.67  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 760.00    | 10.30    | 152.11  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 790.00    | 11.28    | 151.32  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 821.00    | 12.28    | 149.30  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 852.00    | 13.17    | 147.75  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 884.00    | 13.97    | 148.57  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 915.00    | 14.56    | 149.53  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 947.00    | 15.59    | 149.04  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 978.00    | 16.94    | 148.80  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,010.00  | 18.08    | 146.86  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,041.00  | 18.81    | 145.82  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,073.00  | 19.58    | 145.40  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,105.00  | 20.95    | 146.29  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,136.00  | 21.97    | 146.13  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,168.00  | 23.02    | 146.51  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,200.00  | 24.07    | 144.65  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,263.00  | 25.42    | 143.79  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,326.00  | 25.66    | 143.91  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,390.00  | 25.97    | 144.45  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,453.00  | 26.51    | 143.64  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,516.00  | 26.35    | 143.18  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,579.00  | 26.80    | 142.28  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,642.00  | 28.23    | 143.32  | IncAzi-MWD | Scientific Drilling |
| 11/16/2012  | 1,705.00  | 28.96    | 144.19  | 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 \_\_\_\_\_

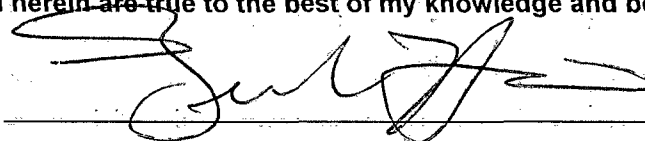
Notary Public in and for San Juan County, New Mexico

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

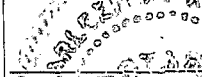
Survey Data

| Date       | MD (ftKB) | Incl (°) | Azm (°) | Method     | Survey Company              |
|------------|-----------|----------|---------|------------|-----------------------------|
| 11/16/2012 | 1,768.00  | 29.70    | 145.71  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 1,831.00  | 29.25    | 144.75  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 1,894.00  | 28.78    | 144.03  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 1,957.00  | 28.78    | 143.23  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,021.00  | 28.47    | 143.15  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,084.00  | 28.09    | 142.93  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,147.00  | 27.85    | 143.90  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,210.00  | 27.42    | 144.90  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,274.00  | 27.56    | 144.60  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,338.00  | 27.53    | 144.12  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,401.00  | 27.87    | 144.34  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,464.00  | 27.18    | 144.02  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,527.00  | 26.48    | 143.37  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,590.00  | 26.32    | 143.10  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,654.00  | 26.20    | 142.44  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,717.00  | 25.89    | 141.75  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,781.00  | 25.21    | 142.30  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,844.00  | 24.23    | 143.10  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,906.00  | 23.77    | 141.67  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 2,969.00  | 22.08    | 140.74  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 3,032.00  | 18.54    | 140.69  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 3,095.00  | 16.96    | 141.29  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 3,158.00  | 15.53    | 140.31  | IncAzi-MWD | Scientific Drilling         |
| 11/16/2012 | 3,224.00  | 13.49    | 139.47  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,284.00  | 11.11    | 137.60  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,347.00  | 9.93     | 138.85  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,410.00  | 8.53     | 140.40  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,474.00  | 5.89     | 146.48  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,537.00  | 3.49     | 155.44  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,561.00  | 3.10     | 154.96  | IncAzi-MWD | Scientific Drilling         |
| 11/17/2012 | 3,620.00  | 2.14     | 153.78  | IncAzi-MWD | Scientific Drilling         |
| 11/25/2012 | 8,040.00  | 2.00     | 153.78  | IncAzi-MWD | Aztec Well Servicing Co Inc |

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 2/7/13

 Deleen White

Notary Public in and for San Juan County, New Mexico

My Commission expires 5/26/15



RCVD FEB 8 '13  
OIL CONS. DIV.  
DIST. 3

## ConocoPhillips

SJB (NM West)  
SEC 15-T32N-R11W  
Mark Maddox 1M

OH

30-045 - 35085

Design: OH

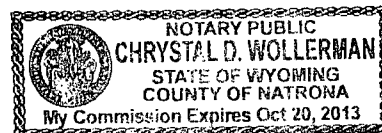
## Standard Survey Report

26 November, 2012

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

Notarized this date 20th of November, 2012.

Notary Signature  
County of Natrona  
State of Wyoming



Scientific Drilling

|           |                  |                              |                                          |
|-----------|------------------|------------------------------|------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well Mark Maddox 1M                      |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 6416' & KB 15' @ 6431.0usft (AWS 730) |
| Site:     | SEC 15-T32N-R11W | MD Reference:                | GL 6416' & KB 15' @ 6431.0usft (AWS 730) |
| Well:     | Mark Maddox 1M   | North Reference:             | True                                     |
| Wellbore: | OH               | Survey Calculation Method:   | Minimum Curvature                        |
| Design:   | OH               | Database:                    | Farmington 5000 DB                       |

|             |                                                                |               |                             |
|-------------|----------------------------------------------------------------|---------------|-----------------------------|
| Project     | SJB (NM West), San Juan County, New Mexico, S-Type MV/DK Wells |               |                             |
| Map System: | US State Plane 1927 (Exact solution)                           | System Datum: | Mean Sea Level              |
| Geo Datum:  | NAD 1927 (NADCON CONUS)                                        |               |                             |
| Map Zone:   | New Mexico West 3003                                           |               | Using geodetic scale factor |

|                       |                  |                   |                   |
|-----------------------|------------------|-------------------|-------------------|
| Site                  | SEC 15-T32N-R11W |                   |                   |
| Site Position:        |                  | Northing:         | 2,176,778.65 usft |
| From:                 | Lat/Long         | Easting:          | 459,145.18 usft   |
| Position Uncertainty: | 0.0 usft         | Slot Radius:      | 13-3/16 "         |
|                       |                  | Latitude:         | 36° 58' 55.517 N  |
|                       |                  | Longitude:        | 107° 58' 23.545 W |
|                       |                  | Grid Convergence: | -0.08 °           |

|                      |                                     |                     |                   |
|----------------------|-------------------------------------|---------------------|-------------------|
| Well                 | Mark Maddox 1M, 1607' FSL 1803' FEL |                     |                   |
| Well Position        | +N/-S                               | 0.0 usft            | Northing:         |
|                      | +E/-W                               | 0.0 usft            | Easting:          |
| Position Uncertainty | 0.0 usft                            | Wellhead Elevation: | usft              |
|                      |                                     | Latitude:           | 36° 58' 55.517 N  |
|                      |                                     | Longitude:          | 107° 58' 23.545 W |
|                      |                                     | Ground Level:       | 6,416.0 usft      |

|           |            |             |             |           |                |
|-----------|------------|-------------|-------------|-----------|----------------|
| Wellbore  | OH         |             |             |           |                |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
|           |            |             | (°)         | (°)       | (nT)           |
|           | BGGM2012   | 10/17/12    | 9.89        | 63.58     | 50,659         |

|                   |                  |        |        |               |     |
|-------------------|------------------|--------|--------|---------------|-----|
| Design            | OH               |        |        |               |     |
| Audit Notes:      |                  |        |        |               |     |
| Version:          | 1.0              | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W  | Direction     |     |
|                   | (usft)           | (usft) | (usft) | (°)           |     |
|                   | 0.0              | 0.0    | 0.0    | 123.87        |     |

|                |               |                              |           |                       |
|----------------|---------------|------------------------------|-----------|-----------------------|
| Survey Program | Date 11/26/12 |                              |           |                       |
| From           | To            | Survey (Wellbore)            | Tool Name | Description           |
| (usft)         | (usft)        |                              |           |                       |
| 329.0          | 3,561.0       | Survey #1 - MWD Surveys (OH) | MWD       | MWD - Standard ISCWSA |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 329.0                 | 1.08            | 44.92       | 329.0                 | 2.2          | 2.2          | 0.6                     | 0.33                    | 0.33                   | 0.00                  |
| First SDI Survey      |                 |             |                       |              |              |                         |                         |                        |                       |
| 391.0                 | 1.01            | 77.80       | 391.0                 | 2.7          | 3.1          | 1.1                     | 0.96                    | -0.11                  | 53.03                 |
| 452.0                 | 1.66            | 118.59      | 452.0                 | 2.4          | 4.4          | 2.3                     | 1.82                    | 1.07                   | 66.87                 |
| 513.0                 | 2.91            | 137.46      | 512.9                 | 0.9          | 6.3          | 4.7                     | 2.37                    | 2.05                   | 30.93                 |
| 575.0                 | 4.65            | 148.00      | 574.8                 | -2.4         | 8.7          | 8.5                     | 3.01                    | 2.81                   | 17.00                 |
| 606.0                 | 5.59            | 149.03      | 605.6                 | -4.8         | 10.1         | 11.1                    | 3.05                    | 3.03                   | 3.32                  |
| 636.0                 | 6.49            | 150.12      | 635.5                 | -7.5         | 11.7         | 13.9                    | 3.02                    | 3.00                   | 3.63                  |
| 668.0                 | 7.38            | 151.15      | 667.2                 | -10.9        | 13.6         | 17.4                    | 2.81                    | 2.78                   | 3.22                  |
| 699.0                 | 8.31            | 153.02      | 698.0                 | -14.6        | 15.6         | 21.1                    | 3.11                    | 3.00                   | 6.03                  |

|           |                  |                              |                                          |
|-----------|------------------|------------------------------|------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well Mark Maddox 1M                      |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 6416' & KB 15' @ 6431.0usft (AWS 730) |
| Site:     | SEC 15-T32N-R11W | MD Reference:                | GL 6416' & KB 15' @ 6431.0usft (AWS 730) |
| Well:     | Mark Maddox 1M   | North Reference:             | True                                     |
| Wellbore: | OH               | Survey Calculation Method:   | Minimum Curvature                        |
| Design:   | OH               | Database:                    | Farmington 5000 DB                       |

| Survey                      |                    |                |                             |                 |                 |                               |                               |                              |                             |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 729.0                       | 9.36               | 152.67         | 727.6                       | -18.7           | 17.7            | 25.1                          | 3.50                          | 3.50                         | -1.17                       |
| 760.0                       | 10.30              | 152.11         | 758.1                       | -23.4           | 20.1            | 29.8                          | 3.05                          | 3.03                         | -1.81                       |
| 790.0                       | 11.28              | 151.32         | 787.6                       | -28.4           | 22.8            | 34.7                          | 3.30                          | 3.27                         | -2.63                       |
| 821.0                       | 12.28              | 149.30         | 818.0                       | -33.9           | 25.9            | 40.4                          | 3.49                          | 3.23                         | -6.52                       |
| 852.0                       | 13.17              | 147.75         | 848.2                       | -39.7           | 29.5            | 46.6                          | 3.07                          | 2.87                         | -5.00                       |
| 884.0                       | 13.97              | 148.57         | 879.3                       | -46.1           | 33.5            | 53.4                          | 2.57                          | 2.50                         | 2.56                        |
| 915.0                       | 14.56              | 149.53         | 909.3                       | -52.6           | 37.4            | 60.4                          | 2.05                          | 1.90                         | 3.10                        |
| 947.0                       | 15.59              | 149.04         | 940.2                       | -59.8           | 41.6            | 67.9                          | 3.24                          | 3.22                         | -1.53                       |
| 978.0                       | 16.94              | 148.80         | 970.0                       | -67.2           | 46.1            | 75.7                          | 4.36                          | 4.35                         | -0.77                       |
| 1,010.0                     | 18.08              | 146.86         | 1,000.5                     | -75.3           | 51.2            | 84.5                          | 4.00                          | 3.56                         | -6.06                       |
| 1,041.0                     | 18.81              | 145.82         | 1,029.9                     | -83.5           | 56.7            | 93.6                          | 2.58                          | 2.35                         | -3.35                       |
| 1,073.0                     | 19.58              | 145.40         | 1,060.1                     | -92.2           | 62.6            | 103.4                         | 2.44                          | 2.41                         | -1.31                       |
| 1,105.0                     | 20.95              | 146.29         | 1,090.2                     | -101.4          | 68.8            | 113.7                         | 4.39                          | 4.28                         | 2.78                        |
| 1,136.0                     | 21.97              | 146.13         | 1,119.0                     | -110.8          | 75.2            | 124.1                         | 3.30                          | 3.29                         | -0.52                       |
| 1,168.0                     | 23.02              | 146.51         | 1,148.6                     | -121.0          | 81.9            | 135.5                         | 3.31                          | 3.28                         | 1.19                        |
| 1,200.0                     | 24.07              | 144.65         | 1,177.9                     | -131.5          | 89.2            | 147.3                         | 4.02                          | 3.28                         | -5.81                       |
| 1,263.0                     | 25.42              | 143.79         | 1,235.1                     | -152.9          | 104.6           | 172.1                         | 2.22                          | 2.14                         | -1.37                       |
| 1,326.0                     | 25.66              | 143.91         | 1,292.0                     | -174.8          | 120.6           | 197.6                         | 0.39                          | 0.38                         | 0.19                        |
| 1,390.0                     | 25.97              | 144.45         | 1,349.6                     | -197.4          | 136.9           | 223.7                         | 0.61                          | 0.48                         | 0.84                        |
| 1,453.0                     | 26.51              | 143.64         | 1,406.1                     | -220.0          | 153.3           | 249.9                         | 1.03                          | 0.86                         | -1.29                       |
| 1,516.0                     | 26.35              | 143.18         | 1,462.5                     | -242.5          | 170.0           | 276.3                         | 0.41                          | -0.25                        | -0.73                       |
| 1,579.0                     | 26.80              | 142.28         | 1,518.9                     | -264.9          | 187.1           | 303.0                         | 0.96                          | 0.71                         | -1.43                       |
| 1,642.0                     | 28.23              | 143.32         | 1,574.7                     | -288.1          | 204.7           | 330.5                         | 2.39                          | 2.27                         | 1.65                        |
| 1,705.0                     | 28.96              | 144.19         | 1,630.0                     | -312.4          | 222.5           | 358.8                         | 1.33                          | 1.16                         | 1.38                        |
| 1,768.0                     | 29.70              | 145.71         | 1,685.0                     | -337.7          | 240.2           | 387.6                         | 1.67                          | 1.17                         | 2.41                        |
| 1,831.0                     | 29.25              | 144.75         | 1,739.8                     | -363.2          | 257.9           | 416.5                         | 1.04                          | -0.71                        | -1.52                       |
| 1,894.0                     | 28.78              | 144.03         | 1,794.9                     | -388.0          | 275.7           | 445.1                         | 0.93                          | -0.75                        | -1.14                       |
| 1,957.0                     | 28.78              | 143.23         | 1,850.1                     | -412.4          | 293.6           | 473.7                         | 0.61                          | 0.00                         | -1.27                       |
| 2,021.0                     | 28.47              | 143.15         | 1,906.3                     | -437.0          | 312.0           | 502.6                         | 0.49                          | -0.48                        | -0.13                       |
| 2,084.0                     | 28.09              | 142.93         | 1,961.8                     | -460.8          | 330.0           | 530.8                         | 0.63                          | -0.60                        | -0.35                       |
| 2,147.0                     | 27.85              | 143.90         | 2,017.4                     | -484.5          | 347.6           | 558.6                         | 0.82                          | -0.38                        | 1.54                        |
| 2,210.0                     | 27.42              | 144.90         | 2,073.2                     | -508.3          | 364.6           | 586.0                         | 1.00                          | -0.68                        | 1.59                        |
| 2,274.0                     | 27.56              | 144.60         | 2,130.0                     | -532.4          | 381.6           | 613.6                         | 0.31                          | 0.22                         | -0.47                       |
| 2,338.0                     | 27.53              | 144.12         | 2,186.8                     | -556.5          | 398.9           | 641.3                         | 0.35                          | -0.05                        | -0.75                       |
| 2,401.0                     | 27.87              | 144.34         | 2,242.5                     | -580.2          | 416.0           | 668.8                         | 0.56                          | 0.54                         | 0.35                        |
| 2,464.0                     | 27.18              | 144.02         | 2,298.4                     | -603.9          | 433.0           | 696.1                         | 1.12                          | -1.10                        | -0.51                       |
| 2,527.0                     | 26.48              | 143.37         | 2,354.6                     | -626.8          | 449.9           | 722.8                         | 1.20                          | -1.11                        | -1.03                       |
| 2,590.0                     | 26.32              | 143.10         | 2,411.1                     | -649.2          | 466.6           | 749.3                         | 0.32                          | -0.25                        | -0.43                       |
| 2,654.0                     | 26.20              | 142.44         | 2,468.4                     | -671.8          | 483.8           | 776.0                         | 0.49                          | -0.19                        | -1.03                       |
| 2,717.0                     | 25.89              | 141.75         | 2,525.0                     | -693.6          | 500.8           | 802.3                         | 0.69                          | -0.49                        | -1.10                       |
| 2,781.0                     | 25.21              | 142.30         | 2,582.8                     | -715.3          | 517.7           | 828.5                         | 1.13                          | -1.06                        | 0.86                        |
| 2,844.0                     | 24.23              | 143.10         | 2,640.0                     | -736.3          | 533.7           | 853.5                         | 1.64                          | -1.56                        | 1.27                        |
| 2,906.0                     | 23.77              | 141.67         | 2,696.7                     | -756.3          | 549.1           | 877.4                         | 1.20                          | -0.74                        | -2.31                       |

|           |                  |                              |                                          |
|-----------|------------------|------------------------------|------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well Mark Maddox 1M                      |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 6416' & KB 15' @ 6431.0usft (AWS 730) |
| Site:     | SEC 15-T32N-R11W | MD Reference:                | GL 6416' & KB 15' @ 6431.0usft (AWS 730) |
| Well:     | Mark Maddox 1M   | North Reference:             | True                                     |
| Wellbore: | OH               | Survey Calculation Method:   | Minimum Curvature                        |
| Design:   | OH               | Database:                    | Farmington 5000 DB                       |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 2,969.0               | 22.08           | 140.74      | 2,754.7               | -775.4       | 564.5        | 900.8                   | 2.74                    | -2.68                  | -1.48                 |
| 3,032.0               | 18.54           | 140.69      | 2,813.8               | -792.3       | 578.3        | 921.7                   | 5.62                    | -5.62                  | -0.08                 |
| 3,095.0               | 16.96           | 141.29      | 2,873.7               | -807.2       | 590.4        | 940.1                   | 2.52                    | -2.51                  | 0.95                  |
| 3,158.0               | 15.53           | 140.31      | 2,934.2               | -820.9       | 601.5        | 956.9                   | 2.31                    | -2.27                  | -1.56                 |
| 3,224.0               | 13.49           | 139.47      | 2,998.1               | -833.6       | 612.2        | 972.8                   | 3.11                    | -3.09                  | -1.27                 |
| 3,284.0               | 11.11           | 137.60      | 3,056.7               | -843.1       | 620.6        | 985.2                   | 4.02                    | -3.97                  | -3.12                 |
| 3,347.0               | 9.93            | 138.85      | 3,118.7               | -851.7       | 628.3        | 996.3                   | 1.91                    | -1.87                  | 1.98                  |
| 3,410.0               | 8.53            | 140.40      | 3,180.9               | -859.4       | 634.9        | 1,006.1                 | 2.26                    | -2.22                  | 2.46                  |
| 3,474.0               | 5.89            | 146.48      | 3,244.4               | -865.8       | 639.7        | 1,013.7                 | 4.29                    | -4.13                  | 9.50                  |
| 3,537.0               | 3.49            | 155.44      | 3,307.1               | -870.2       | 642.3        | 1,018.3                 | 3.97                    | -3.81                  | 14.22                 |
| 3,561.0               | 3.10            | 154.96      | 3,331.1               | -871.5       | 642.9        | 1,019.4                 | 1.63                    | -1.63                  | -2.00                 |

| Measured Depth (usft) | Vertical Depth (usft) | Name           | Casing Diameter (") | Hole Diameter (") |
|-----------------------|-----------------------|----------------|---------------------|-------------------|
| 230.0                 | 230.0                 | Surface Casing | 9-5/8               | 12-1/4            |

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates                         | Comment          |
|-----------------------|-----------------------|-------------------------------------------|------------------|
| 329.0                 | 329.0                 | +N/-S (usft) 2.2<br>+E/-W (usft) 2.2      | First SDI Survey |
| 3,561.0               | 3,331.1               | +N/-S (usft) -871.5<br>+E/-W (usft) 642.9 | Last SDI Survey  |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_