

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240  
Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, N.M. 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410  
Phone: (505) 334-6178 Fax: (505) 334-8170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 87505  
Phone: (505) 478-3480 Fax: (505) 478-3482

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 August 1, 2011

Submit one copy to appropriate  
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                      |                                                     |
|-----------------------------------------|------------------------------------------------------|-----------------------------------------------------|
| <sup>1</sup> API Number<br>30-045-35445 | <sup>2</sup> Pool Code<br>72319/71599                | <sup>3</sup> Pool Name<br>BLANCOMESA VERDE / DAKOTA |
| <sup>4</sup> Property Code<br>31850     | <sup>5</sup> Property Name<br>YAGER LS               | <sup>6</sup> Well Number<br>1M                      |
| <sup>7</sup> GRID No.<br>217817         | <sup>8</sup> Operator Name<br>CONOCOPHILLIPS COMPANY | <sup>9</sup> Elevation<br>5872                      |

<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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L             | 31      | 31 N     | 11 W  | LOT 3   | 1506          | SOUTH            | 1263          | WEST           | SAN JUAN |

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

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L             | 31      | 31 N     | 11 W  | LOT 3   | 1892'         | SOUTH            | 679'          | WEST           | SAN JUAN |

|                                                                     |                               |                                  |                                                             |
|---------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------------------------------|
| <sup>12</sup> Dedicated Acres<br>322.90 (S/2) MV<br>325.20 (W/2) DK | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br>RCVD MAY 9 '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 DIST. 3

|                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>16 N 89°21'24" W 2683.13'</p> <p>USA SF-078115</p> <p>LOT 1</p> <p>LOT 2</p> <p>2639.11'</p> <p>N 00°26'10" E</p> <p>2684.10'</p> <p>679'</p> <p>1263'</p> <p>LOT 3</p> <p>LOT 4</p> <p>SAUL A. YAGER ET UX</p> <p>N 00°05'11" E</p> <p>1892'</p> <p>1506'</p> <p>N 89°58'08" W</p> <p>2608.61'</p> <p>N 89°50'08" W</p> <p>2638.58'</p> | <p>N 89°21'22" W 2648.62'</p> <p>LEGEND:</p> <ul style="list-style-type: none"><li>○ = SURFACE LOCATION</li><li>○ = BOTTOM HOLE LOCATION</li><li>⊕ = FOUND 1953 B.L.M. BRASS CAP</li><li>⊙ = FOUND 1951 B.L.M. BRASS CAP</li></ul> <p>BEARINGS &amp; DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED.</p> <p>SECTION 31</p> <p>-00°07'19"</p> <p>T.N. = GRID NORTH<br/>T.N. = TRUE NORTH</p> <p>CONVERGENCE AT SURFACE LOCATION</p> <p>USA SF-078097</p> | <p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Arleen White</i> 5/9/13<br/>Signature Date</p> <p>Arleen White<br/>Printed Name</p> <p>E-mail Address</p> | <p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>11/18/11<br/>Date of Survey</p> <p>Signature and Seal</p> <p>17078<br/>Certificate Number</p> <p>MARSHALL W. LINDEEN<br/>PROFESSIONAL SURVEYOR<br/>NEW MEXICO<br/>30-17078</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                           |                                |                         |                           |                              |
|-------------------------------------------|--------------------------------|-------------------------|---------------------------|------------------------------|
| Operator<br>CONOCOPHILLIPS COMPANY        | Legal WellName<br>YAGER LS #1M | API / UWI<br>3004535445 | County<br>SAN JUAN        | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>031-031N-011W-L | N/S Dist (ft)<br>1,506.00      | N/S Ref<br>FSL          | E/W Dist (ft)<br>1,263.00 | E/W Ref<br>FWL               |

### Survey Data

| Date      | MD (ftKB) | Incl (°) | Azm (°) | Method     | Survey Company      |
|-----------|-----------|----------|---------|------------|---------------------|
| 3/17/2013 | 0.00      | 0.00     | 0.00    | IncAzi-MWD | Scientific Drilling |
| 2/25/2013 | 133.00    | 0.75     |         | Inc-Drop   | Mo Te Drilling Inc  |
| 2/25/2013 | 235.00    | 0.75     |         | Inc-Drop   | Mo Te Drilling Inc  |
| 3/17/2013 | 270.00    | 1.59     | 334.69  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 332.00    | 1.84     | 316.75  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 392.00    | 2.87     | 315.70  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 454.00    | 4.63     | 311.48  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 515.00    | 6.27     | 309.91  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 577.00    | 7.77     | 304.34  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 639.00    | 8.59     | 303.66  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 701.00    | 10.13    | 304.04  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 763.00    | 11.15    | 302.86  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 824.00    | 12.25    | 304.49  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 888.00    | 13.43    | 305.09  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 951.00    | 14.60    | 305.20  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,014.00  | 15.06    | 303.61  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,077.00  | 15.55    | 304.44  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,140.00  | 16.91    | 305.35  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,204.00  | 18.71    | 305.63  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,267.00  | 19.35    | 305.48  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,330.00  | 20.28    | 305.91  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,394.00  | 20.64    | 305.09  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,457.00  | 21.13    | 304.87  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,520.00  | 21.32    | 303.67  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,583.00  | 22.19    | 304.83  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,646.00  | 22.13    | 305.95  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,710.00  | 22.78    | 305.19  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,773.00  | 22.01    | 305.94  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,836.00  | 21.50    | 306.89  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,899.00  | 21.31    | 307.60  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 1,963.00  | 20.26    | 305.96  | IncAzi-MWD | Scientific Drilling |
| 3/17/2013 | 2,026.00  | 19.70    | 305.68  | IncAzi-MWD | Scientific Drilling |
| 3/18/2013 | 2,089.00  | 18.54    | 303.28  | IncAzi-MWD | Scientific Drilling |
| 3/18/2013 | 2,152.00  | 17.58    | 302.04  | IncAzi-MWD | Scientific Drilling |
| 3/18/2013 | 2,216.00  | 16.84    | 301.61  | IncAzi-MWD | Scientific Drilling |
| 3/18/2013 | 2,279.00  | 16.09    | 299.71  | 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       |
|-----------|-----------|----------|---------|------------|----------------------|
| 3/18/2013 | 2,342.00  | 15.03    | 297.62  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,405.00  | 14.62    | 297.30  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,469.00  | 14.63    | 297.22  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,532.00  | 14.92    | 297.13  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,595.00  | 14.93    | 297.53  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,659.00  | 14.03    | 297.35  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,722.00  | 13.15    | 300.36  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,785.00  | 11.18    | 302.31  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,848.00  | 8.93     | 306.31  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,912.00  | 6.21     | 309.22  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 2,975.00  | 3.72     | 312.84  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,038.00  | 3.16     | 307.72  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,101.00  | 1.48     | 313.29  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,165.00  | 0.47     | 46.72   | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,228.00  | 0.21     | 132.21  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,291.00  | 0.24     | 28.54   | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,354.00  | 0.42     | 99.09   | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,418.00  | 0.26     | 319.87  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,481.00  | 0.31     | 185.19  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,544.00  | 0.47     | 269.76  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,607.00  | 0.27     | 227.31  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,671.00  | 0.78     | 241.77  | IncAzi-MWD | Scientific Drilling  |
| 3/18/2013 | 3,734.00  | 0.44     | 208.20  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 3,798.00  | 0.47     | 205.82  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 3,861.00  | 0.69     | 234.60  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 3,924.00  | 0.77     | 249.28  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 3,987.00  | 0.77     | 232.10  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,051.00  | 0.85     | 241.84  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,114.00  | 1.02     | 245.05  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,177.00  | 0.71     | 263.73  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,240.00  | 0.53     | 220.91  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,304.00  | 0.81     | 245.71  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,366.00  | 0.51     | 260.63  | IncAzi-MWD | Scientific Drilling  |
| 3/19/2013 | 4,425.00  | 0.22     | 274.83  | Projection | Scientific Drilling  |
| 3/26/2013 | 6,988.00  | 1.25     |         | Inc-WL     | Phoenix Services LLC |

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] 4/4/13

Subscribed and sworn to me this 4-3-13

[Signature] White

Notary Public in and for San Juan County, New Mexico

My Commission expires 5/26/15



RCVD MAY 6 '13  
OIL CONS. DIV.  
DIST. 3

## ConocoPhillips

SJB (NM West)  
SEC 31-T31N-R11W  
Yager LS 1M

OH

30-045-35445

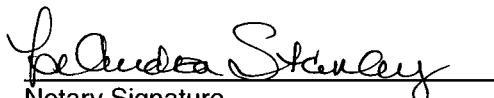
Design: OH

## Standard Survey Report

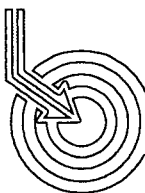
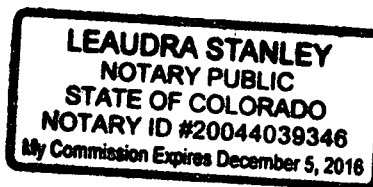
27 March, 2013

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

Notarized this date 27<sup>th</sup> of March, 2013.



Notary Signature  
County of Mesa  
State of Colorado



Scientific Drilling



Project: SJB (NM West)  
 Site: SEC 31-T31N-R11W  
 Well: Yager LS 1M  
 Wellbore: OH  
 Design: OH



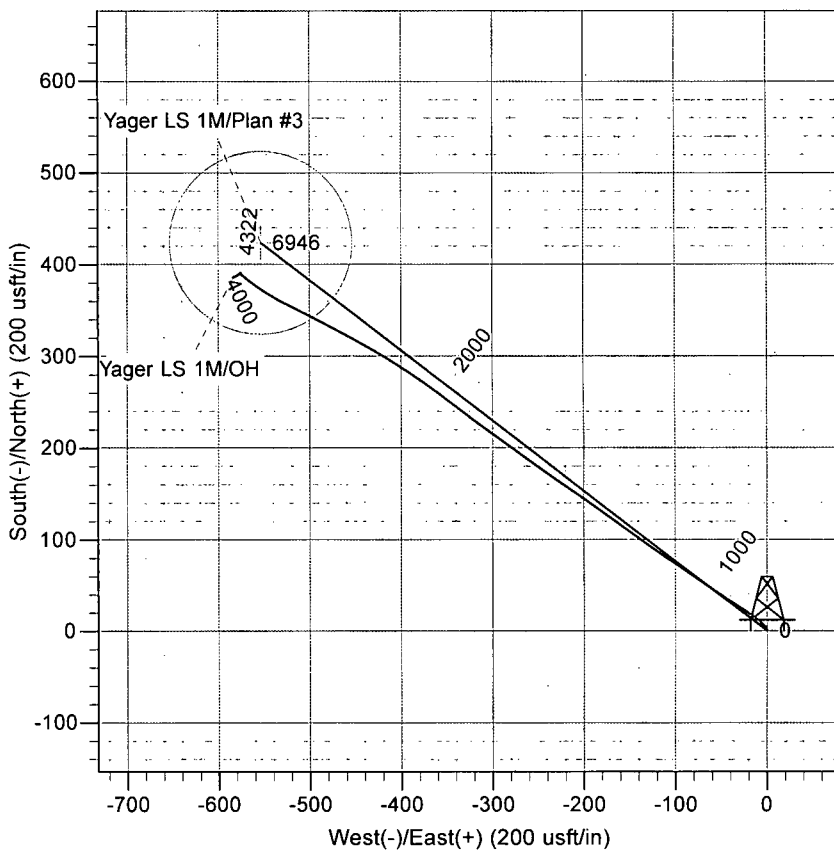
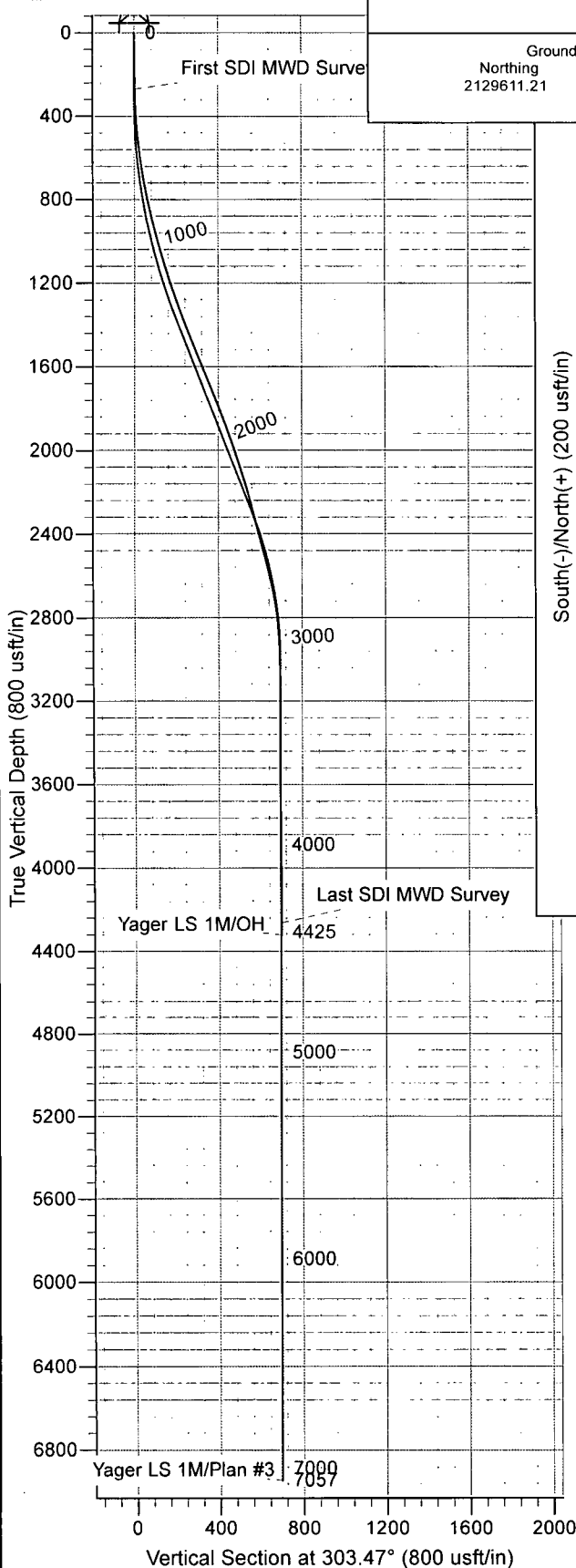
# WELL DETAILS: Yager LS 1M

Ground Level: GL 5872' & RKB 15' @ 5887.0usft (AWS 730)  
 Northing 2129611.21 Easting 440718.38 Latitude 36° 51' 8.771 N Longitude 108° 2' 9.424 W



Azimuths to True North  
 Magnetic North: 9.85°

Magnetic Field  
 Strength: 50529.5snT  
 Dip Angle: 63.45°  
 Date: 03/12/2013  
 Model: BGGM2012



## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Yager LS 1M, True North  
 Vertical (TVD) Reference: GL 5872' & RKB 15' @ 5887.0usft (AWS 730)  
 Section (VS) Reference: Slot - (0.0N, 0.0E)  
 Measured Depth Reference: GL 5872' & RKB 15' @ 5887.0usft (AWS 730)  
 Calculation Method: Minimum Curvature  
 Local North: True

PROJECT DETAILS: SJB (NM West)  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico West 3003

|           |                  |                              |                                           |
|-----------|------------------|------------------------------|-------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well Yager LS 1M                          |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 5872' & RKB 15' @ 5887.0usft (AWS 730) |
| Site:     | SEC 31-T31N-R11W | MD Reference:                | GL 5872' & RKB 15' @ 5887.0usft (AWS 730) |
| Well:     | Yager LS 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 31-T31N-R11W |                   |                   |
| Site Position:        |                  | Northing:         | 2,129,611.20 usft |
| From:                 | Lat/Long         | Easting:          | 440,718.38 usft   |
| Position Uncertainty: | 0.0 usft         | Slot Radius:      | 13-3/16 "         |
|                       |                  | Latitude:         | 36° 51' 8.771 N   |
|                       |                  | Longitude:        | 108° 2' 9.424 W   |
|                       |                  | Grid Convergence: | -0.12 °           |

|                      |             |                     |                 |
|----------------------|-------------|---------------------|-----------------|
| Well                 | Yager LS 1M |                     |                 |
| Well Position        | +N/-S       | 0.0 usft            | Northing:       |
|                      | +E/-W       | 0.0 usft            | Easting:        |
| Position Uncertainty | 0.0 usft    | Wellhead Elevation: | usft            |
|                      |             | Latitude:           | 36° 51' 8.771 N |
|                      |             | Longitude:          | 108° 2' 9.424 W |
|                      |             | Ground Level:       | 5,872.0 usft    |

|           |            |             |                |
|-----------|------------|-------------|----------------|
| Wellbore  | OH         |             |                |
| Magnetics | Model Name | Sample Date | Declination    |
|           |            |             | (°)            |
|           | BGGM2012   | 03/12/13    | 9.85           |
|           |            |             | Dip Angle      |
|           |            |             | (°)            |
|           |            |             | Field Strength |
|           |            |             | (nT)           |
|           |            |             | 63.45          |
|           |            |             | 50,529         |

|                   |                  |               |           |
|-------------------|------------------|---------------|-----------|
| Design            | OH               |               |           |
| Audit Notes:      |                  |               |           |
| Version:          | 1.0              | Phase:        | ACTUAL    |
|                   |                  | Tie On Depth: | 0.0       |
| Vertical Section: | Depth From (TVD) | +N/-S         | +E/-W     |
|                   | (usft)           | (usft)        | (usft)    |
|                   | 0.0              | 0.0           | 0.0       |
|                   |                  |               | Direction |
|                   |                  |               | (°)       |
|                   |                  |               | 303.47    |

|                |         |                             |           |                          |
|----------------|---------|-----------------------------|-----------|--------------------------|
| Survey Program | Date    | 03/27/13                    |           |                          |
| From           | To      | Survey (Wellbore)           | Tool Name | Description              |
| (usft)         | (usft)  |                             |           |                          |
| 270.0          | 4,425.0 | Survey #1 - MWD Survey (OH) | MWD SDI   | MWD - Standard ver 1.0.1 |

|                      |             |         |                |        |        |                  |             |             |             |
|----------------------|-------------|---------|----------------|--------|--------|------------------|-------------|-------------|-------------|
| Survey               |             |         |                |        |        |                  |             |             |             |
| Measured Depth       | Inclination | Azimuth | Vertical Depth | +N/-S  | +E/-W  | Vertical Section | Dogleg Rate | Build Rate  | Turn Rate   |
| (usft)               | (°)         | (°)     | (usft)         | (usft) | (usft) | (usft)           | (°/100usft) | (°/100usft) | (°/100usft) |
| 0.0                  | 0.00        | 0.00    | 0.0            | 0.0    | 0.0    | 0.0              | 0.00        | 0.00        | 0.00        |
| 270.0                | 1.59        | 334.69  | 270.0          | 3.4    | -1.6   | 3.2              | 0.59        | 0.59        | 0.00        |
| First SDI MWD Survey |             |         |                |        |        |                  |             |             |             |
| 332.0                | 1.84        | 316.75  | 331.9          | 4.9    | -2.7   | 4.9              | 0.95        | 0.40        | -28.94      |
| 392.0                | 2.87        | 315.70  | 391.9          | 6.7    | -4.4   | 7.3              | 1.72        | 1.72        | -1.75       |
| 454.0                | 4.63        | 311.48  | 453.8          | 9.4    | -7.3   | 11.3             | 2.87        | 2.84        | -6.81       |
| 515.0                | 6.27        | 309.91  | 514.5          | 13.2   | -11.7  | 17.1             | 2.70        | 2.69        | -2.57       |
| 577.0                | 7.77        | 304.34  | 576.0          | 17.7   | -17.8  | 24.6             | 2.65        | 2.42        | -8.98       |
| 639.0                | 8.59        | 303.66  | 637.4          | 22.7   | -25.1  | 33.4             | 1.33        | 1.32        | -1.10       |
| 701.0                | 10.13       | 304.04  | 698.5          | 28.3   | -33.5  | 43.5             | 2.49        | 2.48        | 0.61        |
| 763.0                | 11.15       | 302.86  | 759.5          | 34.6   | -43.0  | 55.0             | 1.68        | 1.65        | -1.90       |

|           |                  |                              |                                           |
|-----------|------------------|------------------------------|-------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well Yager LS 1M                          |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 5872' & RKB 15' @ 5887.0usft (AWS 730) |
| Site:     | SEC 31-T31N-R11W | MD Reference:                | GL 5872' & RKB 15' @ 5887.0usft (AWS 730) |
| Well:     | Yager LS 1M      | North Reference:             | True                                      |
| Wellbore: | OH               | Survey Calculation Method:   | Minimum Curvature                         |
| Design:   | OH               | Database:                    | Farmington 5000 DB                        |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 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) |
| 824.0                 | 12.25           | 304.49      | 819.2                 | 41.5         | -53.3        | 67.3                    | 1.88                    | 1.80                   | 2.67                  |
| 888.0                 | 13.43           | 305.09      | 881.6                 | 49.6         | -65.0        | 81.5                    | 1.86                    | 1.84                   | 0.94                  |
| 951.0                 | 14.60           | 305.20      | 942.7                 | 58.4         | -77.5        | 96.8                    | 1.86                    | 1.86                   | 0.17                  |
| 1,014.0               | 15.06           | 303.61      | 1,003.6               | 67.5         | -90.8        | 112.9                   | 0.97                    | 0.73                   | -2.52                 |
| 1,077.0               | 15.55           | 304.44      | 1,064.4               | 76.8         | -104.5       | 129.5                   | 0.85                    | 0.78                   | 1.32                  |
| 1,140.0               | 16.91           | 305.35      | 1,124.9               | 86.9         | -119.0       | 147.2                   | 2.20                    | 2.16                   | 1.44                  |
| 1,204.0               | 18.71           | 305.63      | 1,185.8               | 98.2         | -134.9       | 166.7                   | 2.82                    | 2.81                   | 0.44                  |
| 1,267.0               | 19.35           | 305.48      | 1,245.4               | 110.2        | -151.6       | 187.2                   | 1.02                    | 1.02                   | -0.24                 |
| 1,330.0               | 20.28           | 305.91      | 1,304.6               | 122.6        | -169.0       | 208.6                   | 1.49                    | 1.48                   | 0.68                  |
| 1,394.0               | 20.64           | 305.09      | 1,364.6               | 135.6        | -187.2       | 230.9                   | 0.72                    | 0.56                   | -1.28                 |
| 1,457.0               | 21.13           | 304.87      | 1,423.5               | 148.5        | -205.6       | 253.4                   | 0.79                    | 0.78                   | -0.35                 |
| 1,520.0               | 21.32           | 303.67      | 1,482.2               | 161.3        | -224.4       | 276.2                   | 0.75                    | 0.30                   | -1.90                 |
| 1,583.0               | 22.19           | 304.83      | 1,540.7               | 174.5        | -243.7       | 299.5                   | 1.54                    | 1.38                   | 1.84                  |
| 1,646.0               | 22.13           | 305.95      | 1,599.1               | 188.2        | -263.1       | 323.3                   | 0.68                    | -0.10                  | 1.78                  |
| 1,710.0               | 22.78           | 305.19      | 1,658.2               | 202.5        | -283.0       | 347.7                   | 1.11                    | 1.02                   | -1.19                 |
| 1,773.0               | 22.01           | 305.94      | 1,716.4               | 216.4        | -302.5       | 371.7                   | 1.30                    | -1.22                  | 1.19                  |
| 1,836.0               | 21.50           | 306.89      | 1,775.0               | 230.3        | -321.3       | 395.0                   | 0.98                    | -0.81                  | 1.51                  |
| 1,899.0               | 21.31           | 307.60      | 1,833.6               | 244.2        | -339.6       | 418.0                   | 0.51                    | -0.30                  | 1.13                  |
| 1,963.0               | 20.26           | 305.96      | 1,893.5               | 257.8        | -357.8       | 440.6                   | 1.88                    | -1.64                  | -2.56                 |
| 2,026.0               | 19.70           | 305.68      | 1,952.7               | 270.4        | -375.3       | 462.1                   | 0.90                    | -0.89                  | -0.44                 |
| 2,089.0               | 18.54           | 303.28      | 2,012.2               | 282.1        | -392.2       | 482.8                   | 2.22                    | -1.84                  | -3.81                 |
| 2,152.0               | 17.58           | 302.04      | 2,072.1               | 292.6        | -408.7       | 502.3                   | 1.64                    | -1.52                  | -1.97                 |
| 2,216.0               | 16.84           | 301.61      | 2,133.2               | 302.6        | -424.8       | 521.2                   | 1.17                    | -1.16                  | -0.67                 |
| 2,279.0               | 16.09           | 299.71      | 2,193.6               | 311.7        | -440.1       | 539.1                   | 1.47                    | -1.19                  | -3.02                 |
| 2,342.0               | 15.03           | 297.62      | 2,254.3               | 319.8        | -455.0       | 555.9                   | 1.90                    | -1.68                  | -3.32                 |
| 2,405.0               | 14.62           | 297.30      | 2,315.2               | 327.3        | -469.3       | 571.9                   | 0.66                    | -0.65                  | -0.51                 |
| 2,469.0               | 14.63           | 297.22      | 2,377.1               | 334.7        | -483.6       | 588.0                   | 0.04                    | 0.02                   | -0.13                 |
| 2,532.0               | 14.92           | 297.13      | 2,438.1               | 342.0        | -497.9       | 604.0                   | 0.46                    | 0.46                   | -0.14                 |
| 2,595.0               | 14.93           | 297.53      | 2,498.9               | 349.5        | -512.3       | 620.1                   | 0.16                    | 0.02                   | 0.63                  |
| 2,659.0               | 14.03           | 297.35      | 2,560.9               | 356.8        | -526.5       | 636.0                   | 1.41                    | -1.41                  | -0.28                 |
| 2,722.0               | 13.15           | 300.36      | 2,622.1               | 364.0        | -539.5       | 650.8                   | 1.79                    | -1.40                  | 4.78                  |
| 2,785.0               | 11.18           | 302.31      | 2,683.7               | 370.8        | -550.8       | 664.0                   | 3.19                    | -3.13                  | 3.10                  |
| 2,848.0               | 8.93            | 306.31      | 2,745.8               | 377.0        | -559.9       | 675.0                   | 3.74                    | -3.57                  | 6.35                  |
| 2,912.0               | 6.21            | 309.22      | 2,809.2               | 382.1        | -566.6       | 683.4                   | 4.29                    | -4.25                  | 4.55                  |
| 2,975.0               | 3.72            | 312.84      | 2,871.9               | 385.7        | -570.8       | 688.8                   | 3.98                    | -3.95                  | 5.75                  |
| 3,038.0               | 3.16            | 307.72      | 2,934.8               | 388.1        | -573.6       | 692.6                   | 1.01                    | -0.89                  | -8.13                 |
| 3,101.0               | 1.48            | 313.29      | 2,997.8               | 389.8        | -575.6       | 695.1                   | 2.69                    | -2.67                  | 8.84                  |
| 3,165.0               | 0.47            | 46.72       | 3,061.8               | 390.5        | -576.0       | 695.9                   | 2.47                    | -1.58                  | 145.98                |
| 3,228.0               | 0.21            | 132.21      | 3,124.8               | 390.6        | -575.7       | 695.7                   | 0.79                    | -0.41                  | 135.70                |
| 3,291.0               | 0.24            | 28.54       | 3,187.8               | 390.6        | -575.6       | 695.6                   | 0.56                    | 0.05                   | -164.56               |
| 3,354.0               | 0.42            | 99.09       | 3,250.8               | 390.7        | -575.3       | 695.4                   | 0.65                    | 0.29                   | 111.98                |
| 3,418.0               | 0.26            | 319.87      | 3,314.8               | 390.8        | -575.2       | 695.3                   | 1.00                    | -0.25                  | -217.53               |
| 3,481.0               | 0.31            | 185.19      | 3,377.8               | 390.7        | -575.3       | 695.4                   | 0.84                    | 0.08                   | -213.78               |

|           |                  |                              |                                           |
|-----------|------------------|------------------------------|-------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well Yager LS 1M                          |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 5872' & RKB 15' @ 5887.0usft (AWS 730) |
| Site:     | SEC 31-T31N-R11W | MD Reference:                | GL 5872' & RKB 15' @ 5887.0usft (AWS 730) |
| Well:     | Yager LS 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) |  |
| 3,544.0                     | 0.47               | 269.76         | 3,440.8                     | 390.6           | -575.5          | 695.5                         | 0.85                          | 0.25                         | 134.24                      |  |
| 3,607.0                     | 0.27               | 227.31         | 3,503.8                     | 390.5           | -575.9          | 695.8                         | 0.52                          | -0.32                        | -67.38                      |  |
| 3,671.0                     | 0.78               | 241.77         | 3,567.8                     | 390.2           | -576.4          | 696.0                         | 0.82                          | 0.80                         | 22.59                       |  |
| 3,734.0                     | 0.44               | 208.20         | 3,630.8                     | 389.7           | -576.9          | 696.2                         | 0.76                          | -0.54                        | -53.29                      |  |
| 3,798.0                     | 0.47               | 205.82         | 3,694.8                     | 389.3           | -577.1          | 696.1                         | 0.06                          | 0.05                         | -3.72                       |  |
| 3,861.0                     | 0.69               | 234.60         | 3,757.8                     | 388.8           | -577.6          | 696.2                         | 0.57                          | 0.35                         | 45.68                       |  |
| 3,924.0                     | 0.77               | 249.28         | 3,820.7                     | 388.5           | -578.3          | 696.6                         | 0.32                          | 0.13                         | 23.30                       |  |
| 3,987.0                     | 0.77               | 232.10         | 3,883.7                     | 388.1           | -579.0          | 697.0                         | 0.37                          | 0.00                         | -27.27                      |  |
| 4,051.0                     | 0.85               | 241.84         | 3,947.7                     | 387.6           | -579.7          | 697.4                         | 0.25                          | 0.13                         | 15.22                       |  |
| 4,114.0                     | 1.02               | 245.05         | 4,010.7                     | 387.1           | -580.7          | 697.9                         | 0.28                          | 0.27                         | 5.10                        |  |
| 4,177.0                     | 0.71               | 263.73         | 4,073.7                     | 386.8           | -581.6          | 698.5                         | 0.66                          | -0.49                        | 29.65                       |  |
| 4,240.0                     | 0.53               | 220.91         | 4,136.7                     | 386.6           | -582.1          | 698.8                         | 0.77                          | -0.29                        | -67.97                      |  |
| 4,304.0                     | 0.81               | 245.71         | 4,200.7                     | 386.2           | -582.8          | 699.1                         | 0.62                          | 0.44                         | 38.75                       |  |
| 4,366.0                     | 0.51               | 260.63         | 4,262.7                     | 385.9           | -583.4          | 699.5                         | 0.55                          | -0.48                        | 24.06                       |  |
| Last SDI MWD Survey         |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 4,425.0                     | 0.22               | 274.83         | 4,321.7                     | 385.9           | -583.8          | 699.8                         | 0.51                          | -0.49                        | 24.07                       |  |

| Design Annotations    |                       |                   |              |                      |  |
|-----------------------|-----------------------|-------------------|--------------|----------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                      |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment              |  |
| 270.0                 | 270.0                 | 3.4               | -1.6         | First SDI MWD Survey |  |
| 4,366.0               | 4,262.7               | 385.9             | -583.4       | Last SDI MWD Survey  |  |

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