

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

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

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                                    |                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-045-35111</b> | <sup>2</sup> Pool Code<br><b>72319 / 71599</b>                                     | <sup>3</sup> Pool Name<br><b>BLANCO MESAVERDE / BASIN DAKOTA</b> |
| <sup>4</sup> Property Code<br><b>18532</b>     | <sup>5</sup> Property Name<br><b>GRENIER B</b>                                     | <sup>6</sup> Well Number<br><b>3N</b>                            |
| <sup>7</sup> GRID No.<br><b>14538</b>          | <sup>8</sup> Operator Name<br><b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b> | <sup>9</sup> Elevation<br><b>5789'</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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| K             | 5       | 29N      | 10W   |         | 1280          | SOUTH            | 1765          | WEST           | SAN JUAN |

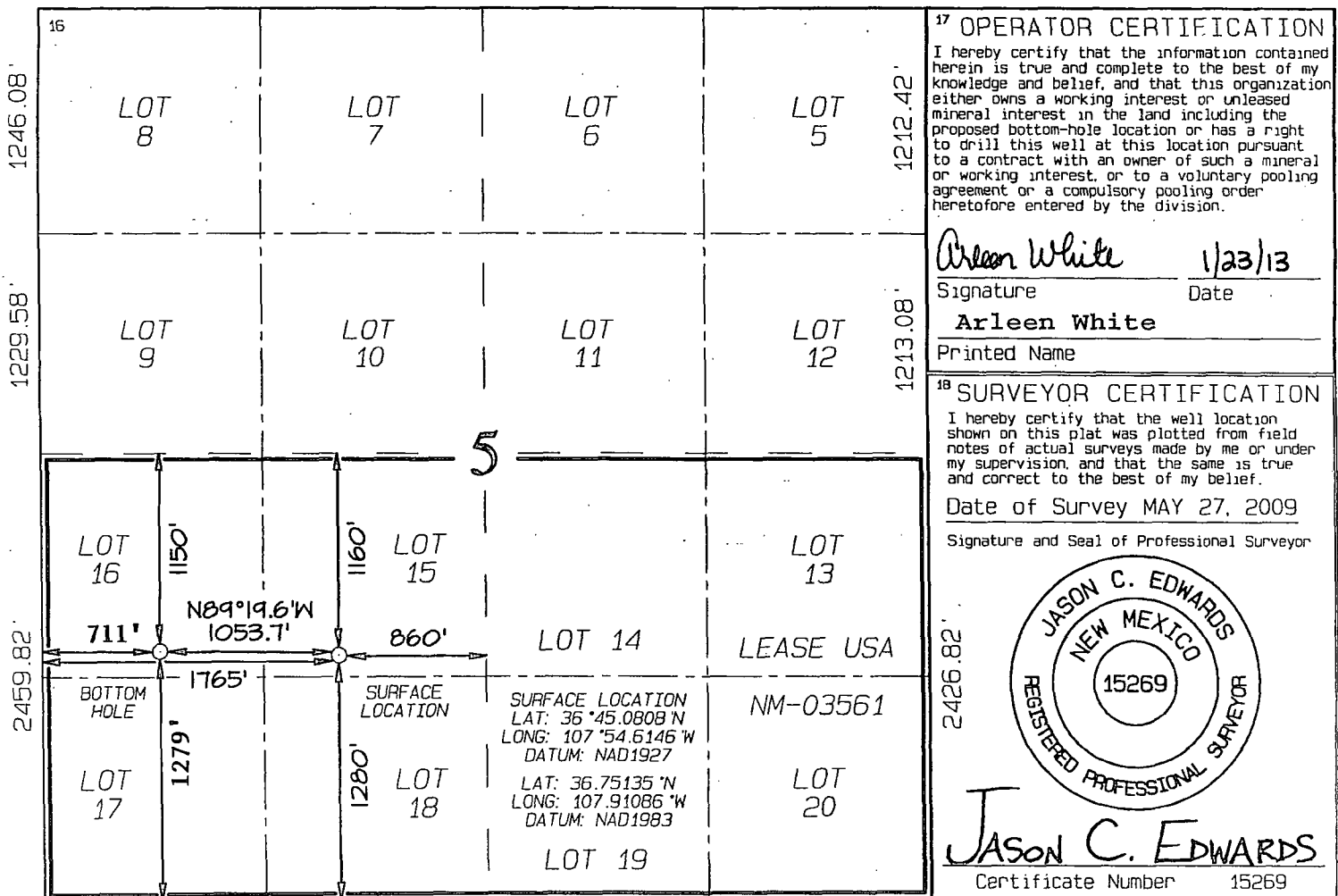
<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L             | 5       | 29N      | 10W   |         | <b>1279'</b>  | SOUTH            | <b>711'</b>   | WEST           | SAN JUAN |

|                                                            |                               |                                  |                                                                      |
|------------------------------------------------------------|-------------------------------|----------------------------------|----------------------------------------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>294.52 Acres - S/2</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>RCVD JAN 24 '13<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**

5290.56'



# COP Deviation Report

## GRENIER B #3N

|                                                          |  |                                 |  |                           |  |                    |  |                              |  |                                              |  |
|----------------------------------------------------------|--|---------------------------------|--|---------------------------|--|--------------------|--|------------------------------|--|----------------------------------------------|--|
| Operator<br>BURLINGTON RESOURCES OIL &<br>GAS COMPANY LP |  | Legal WellName<br>GRENIER B #3N |  | API / UWI<br>3004535111   |  | County<br>SAN JUAN |  | State/Province<br>NEW MEXICO |  |                                              |  |
| Surface Legal Location<br>005-029N-010W-K                |  |                                 |  | N/S Dist (ft)<br>1,280.00 |  | N/S Ref<br>FSL     |  | E/W Dist (ft)<br>1,765.00    |  | E/W Ref<br>FWL                               |  |
| Survey Data                                              |  |                                 |  |                           |  |                    |  |                              |  |                                              |  |
| Date                                                     |  | MD (ftKB)                       |  | Incl (°)                  |  | Azm (°)            |  | Method                       |  | Survey Company                               |  |
| 11/12/2012                                               |  | 128.00                          |  | 0.75                      |  |                    |  | Inc-Drop                     |  | Mo Te Drilling Inc                           |  |
| 11/12/2012                                               |  | 235.00                          |  | 1.75                      |  |                    |  | Inc-Drop                     |  | Mo Te Drilling Inc                           |  |
| 11/30/2012                                               |  | 299.00                          |  | 1.65                      |  | 224.48             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 330.00                          |  | 1.78                      |  | 222.01             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 361.00                          |  | 1.82                      |  | 227.46             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 392.00                          |  | 1.85                      |  | 229.57             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 423.00                          |  | 1.72                      |  | 240.83             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 453.00                          |  | 1.81                      |  | 247.35             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 484.00                          |  | 1.98                      |  | 262.84             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 514.00                          |  | 2.18                      |  | 269.08             |  | IncAzi-MWD                   |  | RCUD JAN 24 '13<br>OIL CONS. DIV.<br>DIST. 3 |  |
| 11/30/2012                                               |  | 545.00                          |  | 2.29                      |  | 271.10             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 576.00                          |  | 2.54                      |  | 273.37             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 607.00                          |  | 2.65                      |  | 273.15             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 638.00                          |  | 3.13                      |  | 277.70             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 669.00                          |  | 3.66                      |  | 280.35             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 700.00                          |  | 3.95                      |  | 277.99             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 730.00                          |  | 4.48                      |  | 277.61             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 761.00                          |  | 4.91                      |  | 276.58             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 792.00                          |  | 5.58                      |  | 275.70             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 822.00                          |  | 6.16                      |  | 274.59             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 852.00                          |  | 6.93                      |  | 274.66             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 883.00                          |  | 7.54                      |  | 275.23             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 946.00                          |  | 9.05                      |  | 274.48             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,010.00                        |  | 10.77                     |  | 272.89             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,073.00                        |  | 11.87                     |  | 271.65             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,136.00                        |  | 13.09                     |  | 270.69             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,199.00                        |  | 14.74                     |  | 269.86             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,263.00                        |  | 16.52                     |  | 270.32             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,326.00                        |  | 17.93                     |  | 270.71             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,389.00                        |  | 19.63                     |  | 271.04             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,453.00                        |  | 21.01                     |  | 270.59             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,516.00                        |  | 22.02                     |  | 270.02             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,580.00                        |  | 23.20                     |  | 270.12             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,643.00                        |  | 23.37                     |  | 269.14             |  | IncAzi-MWD                   |  |                                              |  |
| 11/30/2012                                               |  | 1,706.00                        |  | 23.34                     |  | 268.31             |  | IncAzi-MWD                   |  |                                              |  |

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 (RKB) | Incl (°) | Azm (°) | Method     | Survey Company |
|------------|----------|----------|---------|------------|----------------|
| 11/30/2012 | 1,770.00 | 23.14    | 269.57  | IncAzi-MWD |                |
| 11/30/2012 | 1,833.00 | 23.48    | 270.36  | IncAzi-MWD |                |
| 11/30/2012 | 1,897.00 | 23.29    | 270.47  | IncAzi-MWD |                |
| 11/30/2012 | 1,960.00 | 23.41    | 269.52  | IncAzi-MWD |                |
| 12/1/2012  | 2,024.00 | 23.55    | 269.55  | IncAzi-MWD |                |
| 12/1/2012  | 2,087.00 | 23.93    | 269.81  | IncAzi-MWD |                |
| 12/1/2012  | 2,150.00 | 22.97    | 269.03  | IncAzi-MWD |                |
| 12/1/2012  | 2,214.00 | 23.33    | 268.36  | IncAzi-MWD |                |
| 12/1/2012  | 2,277.00 | 23.74    | 269.00  | IncAzi-MWD |                |
| 12/1/2012  | 2,341.00 | 24.92    | 270.27  | IncAzi-MWD |                |
| 12/1/2012  | 2,404.00 | 24.69    | 269.69  | IncAzi-MWD |                |
| 12/1/2012  | 2,468.00 | 23.79    | 268.90  | IncAzi-MWD |                |
| 12/1/2012  | 2,531.00 | 23.07    | 270.32  | IncAzi-MWD |                |
| 12/1/2012  | 2,594.00 | 22.75    | 270.93  | IncAzi-MWD |                |
| 12/1/2012  | 2,658.00 | 22.51    | 272.54  | IncAzi-MWD |                |
| 12/1/2012  | 2,721.00 | 21.87    | 272.57  | IncAzi-MWD |                |
| 12/1/2012  | 2,785.00 | 22.12    | 273.27  | IncAzi-MWD |                |
| 12/1/2012  | 2,848.00 | 22.40    | 273.37  | IncAzi-MWD |                |
| 12/1/2012  | 2,911.00 | 22.05    | 272.45  | IncAzi-MWD |                |
| 12/1/2012  | 2,975.00 | 21.78    | 271.54  | IncAzi-MWD |                |
| 12/1/2012  | 3,038.00 | 22.13    | 270.97  | IncAzi-MWD |                |
| 12/1/2012  | 3,101.00 | 20.25    | 268.67  | IncAzi-MWD |                |
| 12/1/2012  | 3,163.00 | 19.24    | 267.91  | IncAzi-MWD |                |
| 12/1/2012  | 3,227.00 | 19.11    | 270.57  | IncAzi-MWD |                |
| 12/1/2012  | 3,289.00 | 18.99    | 271.64  | IncAzi-MWD |                |
| 12/1/2012  | 3,353.00 | 18.72    | 270.72  | IncAzi-MWD |                |
| 12/1/2012  | 3,416.00 | 18.44    | 270.20  | IncAzi-MWD |                |
| 12/1/2012  | 3,479.00 | 18.26    | 269.59  | IncAzi-MWD |                |
| 12/1/2012  | 3,542.00 | 18.12    | 270.14  | IncAzi-MWD |                |
| 12/1/2012  | 3,605.00 | 15.60    | 269.24  | IncAzi-MWD |                |
| 12/1/2012  | 3,668.00 | 13.11    | 266.37  | IncAzi-MWD |                |
| 12/1/2012  | 3,731.00 | 10.52    | 265.34  | IncAzi-MWD |                |
| 12/1/2012  | 3,793.00 | 9.55     | 264.81  | IncAzi-MWD |                |
| 12/1/2012  | 3,856.00 | 9.14     | 265.95  | IncAzi-MWD |                |
| 12/1/2012  | 3,917.00 | 7.54     | 268.61  | IncAzi-MWD |                |
| 12/2/2012  | 3,979.00 | 5.04     | 269.19  | IncAzi-MWD |                |
| 12/2/2012  | 4,041.00 | 3.24     | 270.36  | IncAzi-MWD |                |
| 12/2/2012  | 4,104.00 | 1.67     | 266.22  | IncAzi-MWD |                |
| 12/2/2012  | 4,166.00 | 1.28     | 265.27  | IncAzi-MWD |                |

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 |
|-----------|-----------|----------|---------|------------|----------------|
| 12/2/2012 | 4,195.00  | 1.12     | 259.16  | IncAzi-MWD |                |
| 12/2/2012 | 4,255.00  | 0.79     | 246.52  | Projection |                |

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.

Carson Blong 1/23/13

Subscribed and sworn to me this 1/23/13

Notary Public in and for San Juan County, New Mexico

My Commission expires 5/26/15



RCVD JAN 24 '13

OIL CONS. DIV.

DIST. 3

## ConocoPhillips

SJB (NM West)  
SEC 05-T29N-R10W  
Grenier B #3N

OH

30-045-35111

Design: OH

## Standard Survey Report

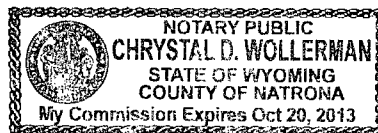
3 December, 2012

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

Notarized this date 4th of December, 2012.

Chrystal D. Wollerman

Notary Signature  
County of Natrona  
State of Wyoming





Project: SJB (NM West)  
Site: SEC 05-T29N-R10W  
Well: GRENIER B #3N  
Wellbore: OH  
Design: OH

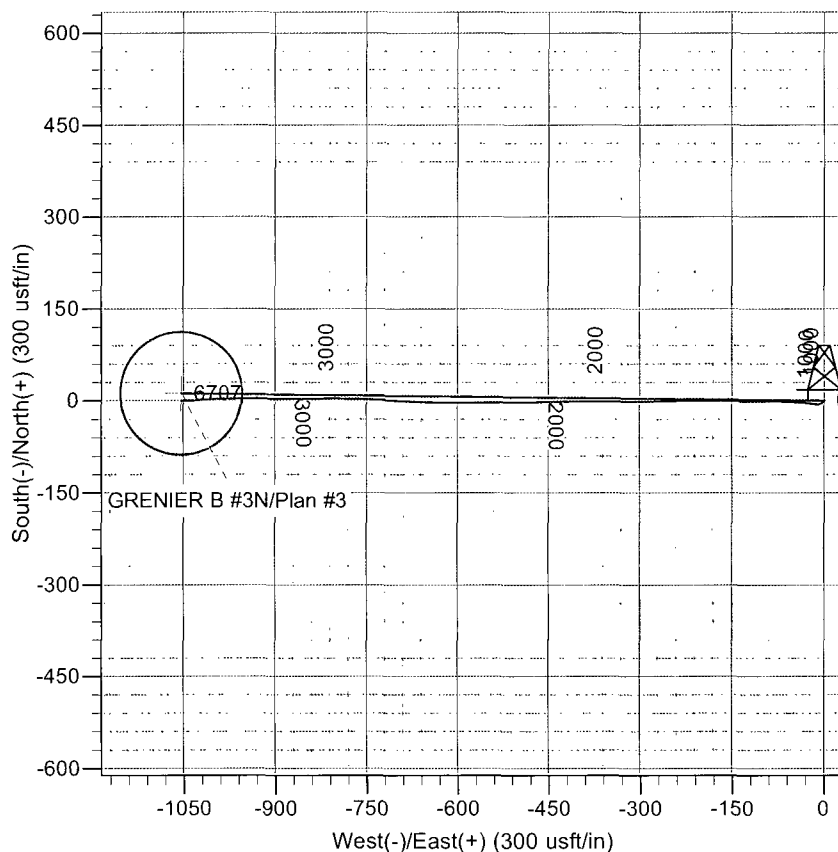
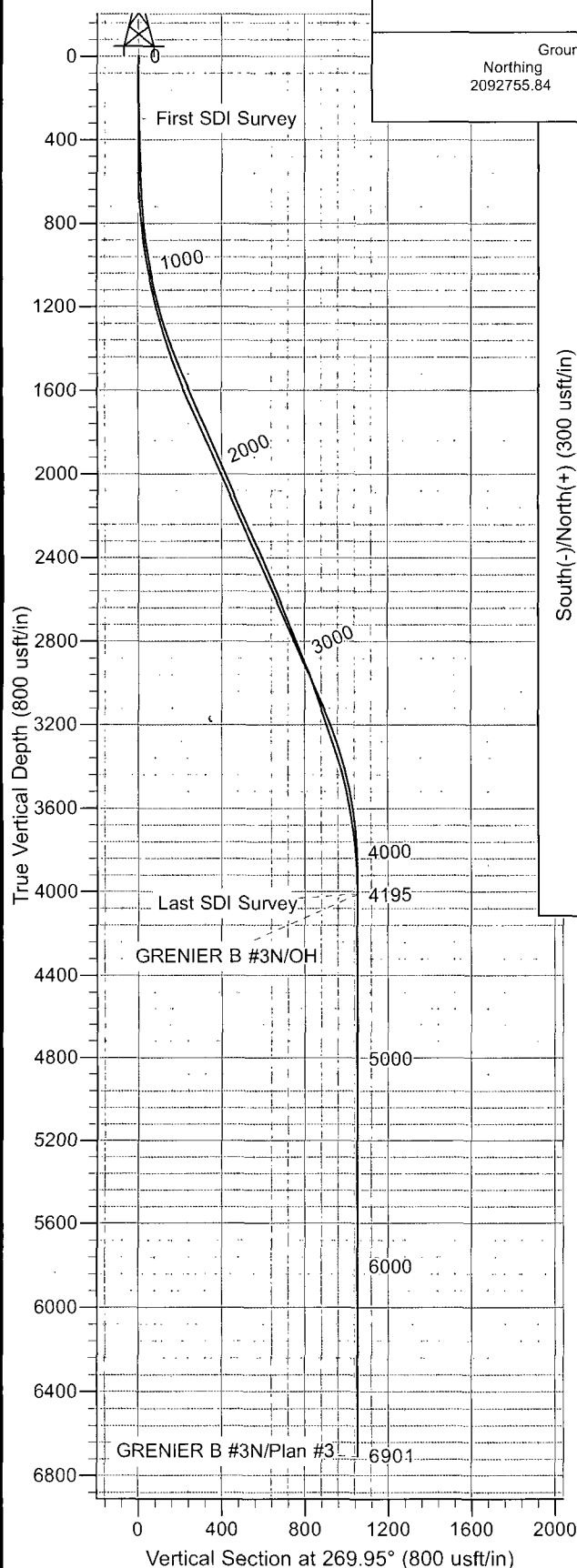


Azimuths to True North  
Magnetic North: 9.83°

Magnetic Field  
Strength: 50536.2snT  
Dip Angle: 63.39°  
Date: 11/01/2012  
Model: BGGM2012

#### WELL DETAILS: GRENIER B #3N

Ground Level: GL 5789' & RKB 15' @ 5804.0usft (AD 730)  
Northing 2092755.84    Easting 477468.19    Latitude 36° 45' 4.848 N    Longitude 107° 54' 36.876 W



#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GRENIER B #3N, True North  
Vertical (TVD) Reference: GL 5789' & RKB 15' @ 5804.0usft (AD 730)  
Section (VS) Reference: Slot - (0.0N, 0.0E)  
Measured Depth Reference: GL 5789' & RKB 15' @ 5804.0usft (AD 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 GRENIER B #3N                       |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 5789' & RKB 15' @ 5804.0usft (AD 730) |
| Site:     | SEC 05-T29N-R10W | MD Reference:                | GL 5789' & RKB 15' @ 5804.0usft (AD 730) |
| Well:     | GRENIER B #3N    | 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 05-T29N-R10W |                   |                   |
| Site Position:        |                  | Northing:         | 2,092,755.84 usft |
| From:                 | Lat/Long         | Easting:          | 477,468.19 usft   |
| Position Uncertainty: | 0.0 usft         | Slot Radius:      | 13-3/16 "         |
|                       |                  | Latitude:         | 36° 45' 4.848 N   |
|                       |                  | Longitude:        | 107° 54' 36.876 W |
|                       |                  | Grid Convergence: | -0.05 °           |

|                      |                                    |                     |                   |
|----------------------|------------------------------------|---------------------|-------------------|
| Well                 | GRENIER B #3N, 1280 FSL & 1765 FWL |                     |                   |
| Well Position        | +N/-S                              | 0.0 usft            | Northing:         |
|                      | +E/-W                              | 0.0 usft            | Easting:          |
| Position Uncertainty | 0.0 usft                           | Wellhead Elevation: | usft              |
|                      |                                    | Latitude:           | 36° 45' 4.848 N   |
|                      |                                    | Longitude:          | 107° 54' 36.876 W |
|                      |                                    | Ground Level:       | 5,789.0 usft      |

| Wellbore  | OH         |             |                 |               |                     |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | BGGM2012   | 11/01/12    | 9.83            | 63.39         | 50,536              |

| Design            | OH                      |              |              |               |        |
|-------------------|-------------------------|--------------|--------------|---------------|--------|
| Audit Notes:      |                         |              |              |               |        |
| Version:          | 1.0                     | Phase:       | ACTUAL       | Tie On Depth: | 0.0    |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |        |
|                   | 0.0                     | 0.0          | 0.0          |               | 269.95 |

| Survey Program | Date 12/03/12 |                             |           |                          |
|----------------|---------------|-----------------------------|-----------|--------------------------|
| From (usft)    | To (usft)     | Survey (Wellbore)           | Tool Name | Description              |
| 299.0          | 4,195.0       | Survey #1 - MWD Survey (OH) | MWD SDI   | MWD - Standard ver 1.0.1 |

| 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                  |
| 299.0                 | 1.65            | 224.48      | 299.0                 | -3.1         | -3.0         | 3.0                     | 0.55                    | 0.55                   | 0.00                  |
| First SDI Survey      |                 |             |                       |              |              |                         |                         |                        |                       |
| 330.0                 | 1.78            | 222.01      | 329.9                 | -3.7         | -3.7         | 3.7                     | 0.48                    | 0.42                   | -7.97                 |
| 361.0                 | 1.82            | 227.46      | 360.9                 | -4.4         | -4.3         | 4.3                     | 0.57                    | 0.13                   | 17.58                 |
| 392.0                 | 1.85            | 229.57      | 391.9                 | -5.1         | -5.1         | 5.1                     | 0.24                    | 0.10                   | 6.81                  |
| 423.0                 | 1.72            | 240.83      | 422.9                 | -5.6         | -5.9         | 5.9                     | 1.20                    | -0.42                  | 36.32                 |
| 453.0                 | 1.81            | 247.35      | 452.9                 | -6.0         | -6.7         | 6.7                     | 0.73                    | 0.30                   | 21.73                 |
| 484.0                 | 1.98            | 262.84      | 483.9                 | -6.3         | -7.7         | 7.7                     | 1.73                    | 0.55                   | 49.97                 |
| 514.0                 | 2.18            | 269.08      | 513.8                 | -6.4         | -8.8         | 8.8                     | 1.01                    | 0.67                   | 20.80                 |
| 545.0                 | 2.29            | 271.10      | 544.8                 | -6.4         | -10.0        | 10.0                    | 0.44                    | 0.35                   | 6.52                  |

|           |                  |                              |                                          |
|-----------|------------------|------------------------------|------------------------------------------|
| Company:  | ConocoPhillips   | Local Co-ordinate Reference: | Well GRENIER B #3N                       |
| Project:  | SJB (NM West)    | TVD Reference:               | GL 5789' & RKB 15' @ 5804.0usft (AD 730) |
| Site:     | SEC 05-T29N-R10W | MD Reference:                | GL 5789' & RKB 15' @ 5804.0usft (AD 730) |
| Well:     | GRENIER B #3N    | 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) |
| 576.0                       | 2.54               | 273.37         | 575.8                       | -6.3            | -11.3           | 11.3                          | 0.86                          | 0.81                         | 7.32                        |
| 607.0                       | 2.65               | 273.15         | 606.8                       | -6.2            | -12.7           | 12.7                          | 0.36                          | 0.35                         | -0.71                       |
| 638.0                       | 3.13               | 277.70         | 637.7                       | -6.1            | -14.2           | 14.2                          | 1.71                          | 1.55                         | 14.68                       |
| 669.0                       | 3.66               | 280.35         | 668.7                       | -5.8            | -16.0           | 16.1                          | 1.78                          | 1.71                         | 8.55                        |
| 700.0                       | 3.95               | 277.99         | 699.6                       | -5.5            | -18.1           | 18.1                          | 1.06                          | 0.94                         | -7.61                       |
| 730.0                       | 4.48               | 277.61         | 729.5                       | -5.2            | -20.3           | 20.3                          | 1.77                          | 1.77                         | -1.27                       |
| 761.0                       | 4.91               | 276.58         | 760.4                       | -4.9            | -22.8           | 22.8                          | 1.41                          | 1.39                         | -3.32                       |
| 792.0                       | 5.58               | 275.70         | 791.3                       | -4.6            | -25.6           | 25.6                          | 2.18                          | 2.16                         | -2.84                       |
| 822.0                       | 6.16               | 274.59         | 821.1                       | -4.3            | -28.7           | 28.7                          | 1.97                          | 1.93                         | -3.70                       |
| 852.0                       | 6.93               | 274.66         | 850.9                       | -4.0            | -32.1           | 32.1                          | 2.57                          | 2.57                         | 0.23                        |
| 883.0                       | 7.54               | 275.23         | 881.7                       | -3.7            | -36.0           | 36.0                          | 1.98                          | 1.97                         | 1.84                        |
| 946.0                       | 9.05               | 274.48         | 944.0                       | -2.9            | -45.0           | 45.0                          | 2.40                          | 2.40                         | -1.19                       |
| 1,010.0                     | 10.77              | 272.89         | 1,007.1                     | -2.2            | -56.0           | 56.0                          | 2.72                          | 2.69                         | -2.48                       |
| 1,073.0                     | 11.87              | 271.65         | 1,068.8                     | -1.7            | -68.4           | 68.4                          | 1.79                          | 1.75                         | -1.97                       |
| 1,136.0                     | 13.09              | 270.69         | 1,130.4                     | -1.5            | -82.0           | 82.0                          | 1.96                          | 1.94                         | -1.52                       |
| 1,199.0                     | 14.74              | 269.86         | 1,191.5                     | -1.4            | -97.1           | 97.1                          | 2.64                          | 2.62                         | -1.32                       |
| 1,263.0                     | 16.52              | 270.30         | 1,253.1                     | -1.4            | -114.4          | 114.4                         | 2.79                          | 2.78                         | 0.69                        |
| 1,326.0                     | 17.93              | 270.71         | 1,313.3                     | -1.2            | -133.0          | 133.0                         | 2.25                          | 2.24                         | 0.65                        |
| 1,389.0                     | 19.63              | 271.04         | 1,372.9                     | -0.9            | -153.3          | 153.3                         | 2.70                          | 2.70                         | 0.52                        |
| 1,453.0                     | 21.01              | 270.59         | 1,433.0                     | -0.6            | -175.5          | 175.5                         | 2.17                          | 2.16                         | -0.70                       |
| 1,516.0                     | 22.02              | 270.02         | 1,491.6                     | -0.5            | -198.6          | 198.6                         | 1.64                          | 1.60                         | -0.90                       |
| 1,580.0                     | 23.20              | 270.12         | 1,550.7                     | -0.4            | -223.2          | 223.2                         | 1.84                          | 1.84                         | 0.16                        |
| 1,643.0                     | 23.37              | 269.14         | 1,608.5                     | -0.6            | -248.1          | 248.1                         | 0.67                          | 0.27                         | -1.56                       |
| 1,706.0                     | 23.34              | 268.31         | 1,666.4                     | -1.1            | -273.1          | 273.1                         | 0.52                          | -0.05                        | -1.32                       |
| 1,770.0                     | 23.14              | 269.57         | 1,725.2                     | -1.6            | -298.3          | 298.3                         | 0.84                          | -0.31                        | 1.97                        |
| 1,833.0                     | 23.48              | 270.36         | 1,783.0                     | -1.6            | -323.3          | 323.3                         | 0.73                          | 0.54                         | 1.25                        |
| 1,897.0                     | 23.29              | 270.47         | 1,841.8                     | -1.4            | -348.7          | 348.7                         | 0.30                          | -0.30                        | 0.17                        |
| 1,960.0                     | 23.41              | 269.52         | 1,899.6                     | -1.4            | -373.6          | 373.6                         | 0.63                          | 0.19                         | -1.51                       |
| 2,024.0                     | 23.55              | 269.55         | 1,958.3                     | -1.6            | -399.1          | 399.1                         | 0.22                          | 0.22                         | 0.05                        |
| 2,087.0                     | 23.93              | 269.81         | 2,016.0                     | -1.8            | -424.5          | 424.5                         | 0.63                          | 0.60                         | 0.41                        |
| 2,150.0                     | 22.97              | 269.03         | 2,073.8                     | -2.0            | -449.6          | 449.6                         | 1.60                          | -1.52                        | -1.24                       |
| 2,214.0                     | 23.33              | 268.36         | 2,132.6                     | -2.6            | -474.7          | 474.7                         | 0.70                          | 0.56                         | -1.05                       |
| 2,277.0                     | 23.74              | 269.00         | 2,190.4                     | -3.2            | -499.9          | 499.9                         | 0.77                          | 0.65                         | 1.02                        |
| 2,341.0                     | 24.92              | 270.27         | 2,248.7                     | -3.4            | -526.2          | 526.2                         | 2.02                          | 1.84                         | 1.98                        |
| 2,404.0                     | 24.69              | 269.69         | 2,305.9                     | -3.4            | -552.7          | 552.7                         | 0.53                          | -0.37                        | -0.92                       |
| 2,468.0                     | 23.79              | 268.90         | 2,364.2                     | -3.7            | -578.9          | 578.9                         | 1.49                          | -1.41                        | -1.23                       |
| 2,531.0                     | 23.07              | 270.32         | 2,422.0                     | -3.9            | -604.0          | 604.0                         | 1.45                          | -1.14                        | 2.25                        |
| 2,594.0                     | 22.75              | 270.93         | 2,480.1                     | -3.6            | -628.5          | 628.5                         | 0.63                          | -0.51                        | 0.97                        |
| 2,658.0                     | 22.51              | 272.54         | 2,539.1                     | -2.8            | -653.1          | 653.1                         | 1.04                          | -0.38                        | 2.52                        |
| 2,721.0                     | 21.87              | 272.57         | 2,597.5                     | -1.8            | -676.9          | 676.9                         | 1.02                          | -1.02                        | 0.05                        |
| 2,785.0                     | 22.12              | 273.27         | 2,656.8                     | -0.6            | -700.8          | 700.8                         | 0.57                          | 0.39                         | 1.09                        |
| 2,848.0                     | 22.40              | 273.37         | 2,715.1                     | 0.8             | -724.7          | 724.7                         | 0.45                          | 0.44                         | 0.16                        |
| 2,911.0                     | 22.05              | 272.45         | 2,773.4                     | 2.0             | -748.5          | 748.5                         | 0.78                          | -0.56                        | -1.46                       |



|                  |                  |                                     |                                          |
|------------------|------------------|-------------------------------------|------------------------------------------|
| <b>Company:</b>  | ConocoPhillips   | <b>Local Co-ordinate Reference:</b> | Well GRENIER B #3N                       |
| <b>Project:</b>  | SJB (NM West)    | <b>TVD Reference:</b>               | GL 5789' & RKB 15' @ 5804.0usft (AD 730) |
| <b>Site:</b>     | SEC 05-T29N-R10W | <b>MD Reference:</b>                | GL 5789' & RKB 15' @ 5804.0usft (AD 730) |
| <b>Well:</b>     | GRENIER B #3N    | <b>North Reference:</b>             | True                                     |
| <b>Wellbore:</b> | OH               | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Design:</b>   | OH               | <b>Database:</b>                    | 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) |  |
| 2,975.0                     | 21.78              | 271.54         | 2,832.8                     | 2.9             | -772.3          | 772.3                         | 0.68                          | -0.42                        | -1.42                       |  |
| 3,038.0                     | 22.13              | 270.97         | 2,891.3                     | 3.4             | -795.9          | 795.9                         | 0.65                          | 0.56                         | -0.90                       |  |
| 3,101.0                     | 20.25              | 268.67         | 2,950.0                     | 3.3             | -818.6          | 818.6                         | 3.26                          | -2.98                        | -3.65                       |  |
| 3,163.0                     | 19.24              | 267.91         | 3,008.3                     | 2.7             | -839.6          | 839.6                         | 1.68                          | -1.63                        | -1.23                       |  |
| 3,227.0                     | 19.11              | 270.57         | 3,068.8                     | 2.4             | -860.6          | 860.6                         | 1.38                          | -0.20                        | 4.16                        |  |
| 3,289.0                     | 18.99              | 271.64         | 3,127.4                     | 2.8             | -880.8          | 880.8                         | 0.60                          | -0.19                        | 1.73                        |  |
| 3,353.0                     | 18.72              | 270.72         | 3,188.0                     | 3.2             | -901.5          | 901.5                         | 0.63                          | -0.42                        | -1.44                       |  |
| 3,416.0                     | 18.44              | 270.20         | 3,247.7                     | 3.4             | -921.6          | 921.6                         | 0.52                          | -0.44                        | -0.83                       |  |
| 3,479.0                     | 18.26              | 269.59         | 3,307.5                     | 3.4             | -941.4          | 941.4                         | 0.42                          | -0.29                        | -0.97                       |  |
| 3,542.0                     | 18.12              | 270.14         | 3,367.3                     | 3.3             | -961.1          | 961.1                         | 0.35                          | -0.22                        | 0.87                        |  |
| 3,605.0                     | 15.60              | 269.24         | 3,427.6                     | 3.2             | -979.3          | 979.3                         | 4.02                          | -4.00                        | -1.43                       |  |
| 3,668.0                     | 13.11              | 266.37         | 3,488.6                     | 2.7             | -994.9          | 994.9                         | 4.11                          | -3.95                        | -4.56                       |  |
| 3,731.0                     | 10.52              | 265.34         | 3,550.3                     | 1.7             | -1,007.8        | 1,007.8                       | 4.12                          | -4.11                        | -1.63                       |  |
| 3,793.0                     | 9.55               | 264.81         | 3,611.4                     | 0.8             | -1,018.6        | 1,018.6                       | 1.57                          | -1.56                        | -0.85                       |  |
| 3,856.0                     | 9.14               | 265.95         | 3,673.5                     | 0.0             | -1,028.8        | 1,028.8                       | 0.71                          | -0.65                        | 1.81                        |  |
| 3,917.0                     | 7.54               | 268.61         | 3,733.9                     | -0.4            | -1,037.6        | 1,037.6                       | 2.70                          | -2.62                        | 4.36                        |  |
| 3,979.0                     | 5.04               | 269.19         | 3,795.5                     | -0.6            | -1,044.4        | 1,044.4                       | 4.03                          | -4.03                        | 0.94                        |  |
| 4,041.0                     | 3.24               | 270.36         | 3,857.3                     | -0.6            | -1,048.9        | 1,048.9                       | 2.91                          | -2.90                        | 1.89                        |  |
| 4,104.0                     | 1.67               | 266.22         | 3,920.3                     | -0.7            | -1,051.6        | 1,051.6                       | 2.51                          | -2.49                        | -6.57                       |  |
| 4,166.0                     | 1.28               | 265.27         | 3,982.3                     | -0.8            | -1,053.2        | 1,053.2                       | 0.63                          | -0.63                        | -1.53                       |  |
| 4,195.0                     | 1.12               | 259.16         | 4,011.2                     | -0.9            | -1,053.8        | 1,053.8                       | 0.71                          | -0.55                        | -21.07                      |  |

| Design Annotations          |                             |                   |                 |                  |  |
|-----------------------------|-----------------------------|-------------------|-----------------|------------------|--|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 |                  |  |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) | Comment          |  |
| 299.0                       | 299.0                       | -3.1              | -3.0            | First SDI Survey |  |
| 4,195.0                     | 4,011.3                     | -0.9              | -1,053.8        | Last SDI Survey  |  |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|