

# **Catamount Energy Partners**

**San Juan Basin  
La Plata County CO  
Carpenter 32-6-3 #2**

**Lateral 1 ST2**

**Plan: Plan 1**

## **Standard Planning Report**

**22 August, 2014**





Project: San Juan Basin  
Site: La Plata County CO  
Well: Carpenter 32-6-3 #2  
Wellbore: Lateral 1 ST2  
Design: Plan 1

#### WELL DETAILS

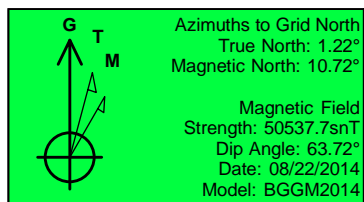
Carpenter 32-6-3 #2  
Ground Level: 6372.0  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.0 0.0 1144155.18 2420736.52 37° 2' 44.379 N 107° 29' 5.342 W

#### SITE DETAILS:

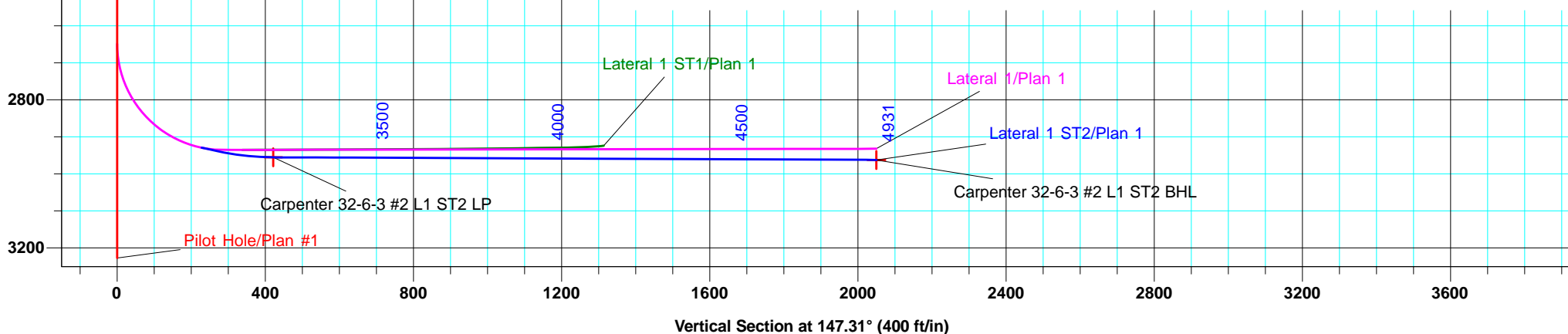
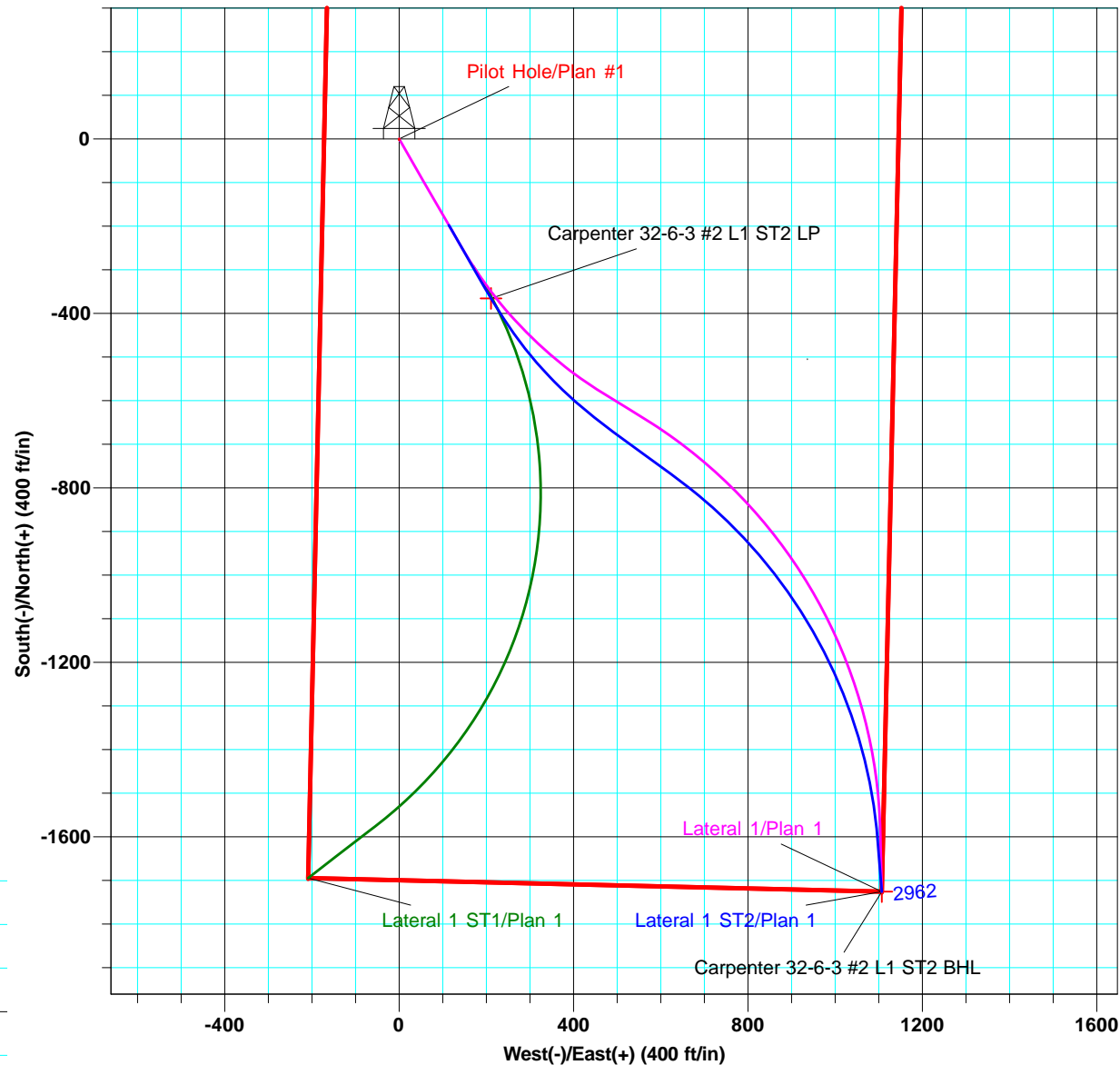
La Plata County CO  
Site Centre Northing: 760788.19  
Easting: 2556100.64  
Positional Uncertainty: 0.0  
Convergence: -0.92  
Local North: Grid

#### PROJECT DETAILS:

San Juan Basin  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Southern Zone  
System Datum: Mean Sea Level



ALL AZIMUTHS MUST BE CORRECTED TO GRID NORTH  
To convert a Magnetic Direction to a Grid Direction, Add 10.73°  
To convert a True Direction to a Grid Direction, Add 1.22°



|                  |                           |                                     |                             |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | EDM 5000.1 Old            | <b>Local Co-ordinate Reference:</b> | Well Carpenter 32-6-3 #2    |
| <b>Company:</b>  | Catamount Energy Partners | <b>TVD Reference:</b>               | DFE @ 6385.5ft (GL + 13.5') |
| <b>Project:</b>  | San Juan Basin            | <b>MD Reference:</b>                | DFE @ 6385.5ft (GL + 13.5') |
| <b>Site:</b>     | La Plata County CO        | <b>North Reference:</b>             | Grid                        |
| <b>Well:</b>     | Carpenter 32-6-3 #2       | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Lateral 1 ST2             |                                     |                             |
| <b>Design:</b>   | Plan 1                    |                                     |                             |

|                    |  |                      |                             |
|--------------------|--|----------------------|-----------------------------|
| <b>Project</b>     | San Juan Basin, Southern Colorado, Fruitland Coal HZ |                      |                             |
| <b>Map System:</b> | US State Plane 1983                                  | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983                            |                      | Using Well Reference Point  |
| <b>Map Zone:</b>   | Colorado Southern Zone                               |                      | Using geodetic scale factor |

|                              |                    |                          |                   |
|------------------------------|--------------------|--------------------------|-------------------|
| <b>Site</b>                  | La Plata County CO |                          |                   |
| <b>Site Position:</b>        |                    | <b>Northing:</b>         | 760,788.19 usft   |
| <b>From:</b>                 | Lat/Long           | <b>Easting:</b>          | 2,556,100.64 usft |
| <b>Position Uncertainty:</b> | 0.0 ft             | <b>Slot Radius:</b>      | 6-1/8 "           |
|                              |                    | <b>Latitude:</b>         | 36° 0' 0.000 N    |
|                              |                    | <b>Longitude:</b>        | 107° 0' 0.000 W   |
|                              |                    | <b>Grid Convergence:</b> | -0.92 °           |

|                      |  |               |                     |                   |               |                  |
|----------------------|--|---------------|---------------------|-------------------|---------------|------------------|
| Well                 | Carpenter 32-6-3 #2, Fruitland Coal HZ |               |                     |                   |               |                  |
| Well Position        | +N/-S                                  | 383,194.7 ft  | Northing:           | 1,144,155.18 usft | Latitude:     | 37° 2' 44.379 N  |
|                      | +E/-W                                  | -135,303.3 ft | Easting:            | 2,420,736.52 usft | Longitude:    | 107° 29' 5.342 W |
| Position Uncertainty |  | 1.0 ft        | Wellhead Elevation: |                   | Ground Level: | 6,372.0 ft       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Lateral 1 ST2     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | BGGM2014          | 08/22/14           | 9.51                   | 63.72                | 50,538                     |

|                          |                              |                   |                      |                      |  |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|--|
| <b>Design</b>            | Plan 1                       |                   |                      |                      |  |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |  |
| <b>Version:</b>          | <b>Phase:</b>                | PLAN              | <b>Tie On Depth:</b> | 3,040.0              |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |  |
|                          | 0.0                          | 0.0               | 0.0                  | 147.31               |  |

| <b>Plan Sections</b> |                 |             |                     |            |            |                         |                        |                       |         |                     |
|----------------------|-----------------|-------------|---------------------|------------|------------|-------------------------|------------------------|-----------------------|---------|---------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target              |
| 3,040.0              | 78.30           | 150.00      | 2,929.0             | -197.8     | 114.2      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 3,050.0              | 77.70           | 150.00      | 2,931.1             | -206.3     | 119.1      | 6.00                    | -6.00                  | 0.00                  | 180.00  |                     |
| 3,085.0              | 77.70           | 150.00      | 2,938.6             | -235.9     | 136.2      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 3,235.6              | 89.75           | 150.00      | 2,955.0             | -365.3     | 210.9      | 8.00                    | 8.00                   | 0.00                  | 0.00    | Carpenter 32-6-3 #2 |
| 3,630.6              | 89.77           | 126.30      | 2,956.7             | -657.4     | 472.6      | 6.00                    | 0.01                   | -6.00                 | -90.00  |                     |
| 3,830.6              | 89.77           | 126.30      | 2,957.5             | -775.8     | 633.8      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 4,812.6              | 89.78           | 175.40      | 2,961.6             | -1,607.4   | 1,097.6    | 5.00                    | 0.00                   | 5.00                  | 90.09   |                     |
| 4,930.8              | 89.78           | 175.40      | 2,962.0             | -1,725.3   | 1,107.1    | 0.00                    | 0.00                   | 0.00                  | 0.00    | Carpenter 32-6-3 #2 |

|                  |                           |                                     |                             |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | EDM 5000.1 Old            | <b>Local Co-ordinate Reference:</b> | Well Carpenter 32-6-3 #2    |
| <b>Company:</b>  | Catamount Energy Partners | <b>TVD Reference:</b>               | DFE @ 6385.5ft (GL + 13.5') |
| <b>Project:</b>  | San Juan Basin            | <b>MD Reference:</b>                | DFE @ 6385.5ft (GL + 13.5') |
| <b>Site:</b>     | La Plata County CO        | <b>North Reference:</b>             | Grid                        |
| <b>Well:</b>     | Carpenter 32-6-3 #2       | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Lateral 1 ST2             |                                     |                             |
| <b>Design:</b>   | Plan 1                    |                                     |                             |

| Planned Survey                       |                 |             |                     |            |            |                       |                         |                        |                       |
|--------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft)                  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | 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                  |
| 100.0                                | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 200.0                                | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 300.0                                | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 400.0                                | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 500.0                                | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 600.0                                | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 700.0                                | 0.00            | 0.00        | 700.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 800.0                                | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 900.0                                | 0.00            | 0.00        | 900.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0                              | 0.00            | 0.00        | 1,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0                              | 0.00            | 0.00        | 1,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0                              | 0.00            | 0.00        | 1,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0                              | 0.00            | 0.00        | 1,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0                              | 0.00            | 0.00        | 1,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0                              | 0.00            | 0.00        | 1,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0                              | 0.00            | 0.00        | 1,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0                              | 0.00            | 0.00        | 1,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0                              | 0.00            | 0.00        | 1,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0                              | 0.00            | 0.00        | 1,900.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0                              | 0.00            | 0.00        | 2,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0                              | 0.00            | 0.00        | 2,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0                              | 0.00            | 0.00        | 2,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0                              | 0.00            | 0.00        | 2,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0                              | 0.00            | 0.00        | 2,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0                              | 0.00            | 0.00        | 2,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0                              | 0.00            | 0.00        | 2,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,648.5                              | 0.00            | 0.00        | 2,648.5             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,650.0                              | 0.30            | 150.00      | 2,650.0             | 0.0        | 0.0        | 0.0                   | 20.00                   | 20.00                  | 0.00                  |
| 2,675.0                              | 5.30            | 150.00      | 2,675.0             | -1.1       | 0.6        | 1.2                   | 20.00                   | 20.00                  | 0.00                  |
| 2,700.0                              | 10.30           | 150.00      | 2,699.7             | -4.0       | 2.3        | 4.6                   | 20.00                   | 20.00                  | 0.00                  |
| 2,725.0                              | 15.30           | 150.00      | 2,724.1             | -8.8       | 5.1        | 10.1                  | 20.00                   | 20.00                  | 0.00                  |
| 2,750.0                              | 20.30           | 150.00      | 2,747.9             | -15.4      | 8.9        | 17.8                  | 20.00                   | 20.00                  | 0.00                  |
| 2,775.0                              | 25.30           | 150.00      | 2,770.9             | -23.8      | 13.7       | 27.4                  | 20.00                   | 20.00                  | 0.00                  |
| 2,800.0                              | 30.30           | 150.00      | 2,793.0             | -33.9      | 19.6       | 39.1                  | 20.00                   | 20.00                  | 0.00                  |
| 2,825.0                              | 35.30           | 150.00      | 2,814.0             | -45.6      | 26.3       | 52.6                  | 20.00                   | 20.00                  | 0.00                  |
| 2,850.0                              | 40.30           | 150.00      | 2,833.8             | -58.9      | 34.0       | 67.9                  | 20.00                   | 20.00                  | 0.00                  |
| 2,875.0                              | 45.30           | 150.00      | 2,852.1             | -73.6      | 42.5       | 84.9                  | 20.00                   | 20.00                  | 0.00                  |
| 2,900.0                              | 50.30           | 150.00      | 2,868.9             | -89.6      | 51.7       | 103.4                 | 20.00                   | 20.00                  | 0.00                  |
| 2,925.0                              | 55.30           | 150.00      | 2,884.0             | -106.9     | 61.7       | 123.3                 | 20.00                   | 20.00                  | 0.00                  |
| 2,950.0                              | 60.30           | 150.00      | 2,897.3             | -125.2     | 72.3       | 144.4                 | 20.00                   | 20.00                  | 0.00                  |
| 2,975.0                              | 65.30           | 150.00      | 2,908.8             | -144.4     | 83.4       | 166.6                 | 20.00                   | 20.00                  | 0.00                  |
| 3,000.0                              | 70.30           | 150.00      | 2,918.2             | -164.5     | 95.0       | 189.7                 | 20.00                   | 20.00                  | 0.00                  |
| 3,025.0                              | 75.30           | 150.00      | 2,925.6             | -185.1     | 106.9      | 213.5                 | 20.00                   | 20.00                  | 0.00                  |
| 3,040.0                              | 78.30           | 150.00      | 2,929.0             | -197.8     | 114.2      | 228.1                 | 20.00                   | 20.00                  | 0.00                  |
| 3,050.0                              | 77.70           | 150.00      | 2,931.1             | -206.3     | 119.1      | 237.9                 | 6.00                    | -6.00                  | 0.00                  |
| 3,085.0                              | 77.70           | 150.00      | 2,938.6             | -235.9     | 136.2      | 272.1                 | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0                              | 78.90           | 150.00      | 2,941.6             | -248.6     | 143.5      | 286.7                 | 8.00                    | 8.00                   | 0.00                  |
| 3,150.0                              | 82.90           | 150.00      | 2,949.5             | -291.3     | 168.2      | 336.0                 | 8.00                    | 8.00                   | 0.00                  |
| 3,200.0                              | 86.90           | 150.00      | 2,954.0             | -334.5     | 193.1      | 385.8                 | 8.00                    | 8.00                   | 0.00                  |
| 3,235.6                              | 89.75           | 150.00      | 2,955.0             | -365.3     | 210.9      | 421.3                 | 8.00                    | 8.00                   | 0.00                  |
| <b>Carpenter 32-6-3 #2 L1 ST2 LP</b> |                 |             |                     |            |            |                       |                         |                        |                       |
| 3,250.0                              | 89.75           | 149.14      | 2,955.1             | -377.7     | 218.2      | 435.7                 | 6.00                    | 0.00                   | -6.00                 |
| 3,300.0                              | 89.75           | 146.14      | 2,955.3             | -419.9     | 244.9      | 485.7                 | 6.00                    | 0.00                   | -6.00                 |

|                  |                           |                                     |                             |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | EDM 5000.1 Old            | <b>Local Co-ordinate Reference:</b> | Well Carpenter 32-6-3 #2    |
| <b>Company:</b>  | Catamount Energy Partners | <b>TVD Reference:</b>               | DFE @ 6385.5ft (GL + 13.5') |
| <b>Project:</b>  | San Juan Basin            | <b>MD Reference:</b>                | DFE @ 6385.5ft (GL + 13.5') |
| <b>Site:</b>     | La Plata County CO        | <b>North Reference:</b>             | Grid                        |
| <b>Well:</b>     | Carpenter 32-6-3 #2       | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Lateral 1 ST2             |                                     |                             |
| <b>Design:</b>   | Plan 1                    |                                     |                             |

| Planned Survey                        |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft)                   | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 3,350.0                               | 89.75           | 143.14      | 2,955.5             | -460.7     | 273.9      | 535.6                 | 6.00                    | 0.00                   | -6.00                 |
| 3,400.0                               | 89.75           | 140.14      | 2,955.7             | -499.9     | 304.9      | 585.4                 | 6.00                    | 0.00                   | -6.00                 |
| 3,450.0                               | 89.76           | 137.14      | 2,955.9             | -537.4     | 337.9      | 634.8                 | 6.00                    | 0.01                   | -6.00                 |
| 3,500.0                               | 89.76           | 134.14      | 2,956.1             | -573.2     | 372.9      | 683.8                 | 6.00                    | 0.01                   | -6.00                 |
| 3,550.0                               | 89.76           | 131.14      | 2,956.3             | -607.0     | 409.7      | 732.1                 | 6.00                    | 0.01                   | -6.00                 |
| 3,600.0                               | 89.77           | 128.14      | 2,956.5             | -638.9     | 448.2      | 779.8                 | 6.00                    | 0.01                   | -6.00                 |
| 3,630.6                               | 89.77           | 126.30      | 2,956.7             | -657.4     | 472.6      | 808.5                 | 6.00                    | 0.01                   | -6.00                 |
| 3,700.0                               | 89.77           | 126.30      | 2,956.9             | -698.5     | 528.5      | 873.3                 | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0                               | 89.77           | 126.30      | 2,957.3             | -757.7     | 609.1      | 966.6                 | 0.00                    | 0.00                   | 0.00                  |
| 3,830.6                               | 89.77           | 126.30      | 2,957.5             | -775.8     | 633.8      | 995.2                 | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0                               | 89.77           | 129.77      | 2,957.7             | -818.6     | 688.4      | 1,060.7               | 5.00                    | -0.01                  | 5.00                  |
| 4,000.0                               | 89.76           | 134.77      | 2,958.2             | -885.8     | 762.4      | 1,157.2               | 5.00                    | -0.01                  | 5.00                  |
| 4,100.0                               | 89.76           | 139.77      | 2,958.6             | -959.2     | 830.2      | 1,255.7               | 5.00                    | 0.00                   | 5.00                  |
| 4,200.0                               | 89.75           | 144.77      | 2,959.0             | -1,038.3   | 891.4      | 1,355.3               | 5.00                    | 0.00                   | 5.00                  |
| 4,300.0                               | 89.75           | 149.77      | 2,959.4             | -1,122.4   | 945.4      | 1,455.2               | 5.00                    | 0.00                   | 5.00                  |
| 4,400.0                               | 89.76           | 154.77      | 2,959.9             | -1,210.9   | 991.9      | 1,554.8               | 5.00                    | 0.00                   | 5.00                  |
| <b>Carpenter Drilling Window</b>      |                 |             |                     |            |            |                       |                         |                        |                       |
| 4,500.0                               | 89.76           | 159.77      | 2,960.3             | -1,303.1   | 1,030.6    | 1,653.3               | 5.00                    | 0.00                   | 5.00                  |
| 4,600.0                               | 89.76           | 164.77      | 2,960.7             | -1,398.3   | 1,061.0    | 1,749.9               | 5.00                    | 0.01                   | 5.00                  |
| 4,700.0                               | 89.77           | 169.77      | 2,961.1             | -1,495.8   | 1,083.0    | 1,843.8               | 5.00                    | 0.01                   | 5.00                  |
| 4,800.0                               | 89.78           | 174.77      | 2,961.5             | -1,594.9   | 1,096.5    | 1,934.5               | 5.00                    | 0.01                   | 5.00                  |
| 4,812.6                               | 89.78           | 175.40      | 2,961.6             | -1,607.4   | 1,097.6    | 1,945.6               | 5.00                    | 0.01                   | 5.00                  |
| 4,900.0                               | 89.78           | 175.40      | 2,961.9             | -1,694.5   | 1,104.6    | 2,022.7               | 0.00                    | 0.00                   | 0.00                  |
| 4,930.8                               | 89.78           | 175.40      | 2,962.0             | -1,725.3   | 1,107.1    | 2,049.9               | 0.00                    | 0.00                   | 0.00                  |
| <b>Carpenter 32-6-3 #2 L1 ST2 BHL</b> |                 |             |                     |            |            |                       |                         |                        |                       |

| Design Targets   |               |              |          |             |             |                 |                |                 |                   |
|--|---------------|--------------|----------|-------------|-------------|-----------------|----------------|-----------------|-------------------|
| Target Name  | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft)  | +E/-W (ft)  | Northing (usft) | Easting (usft) | Latitude        | Longitude         |
| Carpenter Drilling Win   | 0.00          | 0.00         | 0.0      | 1,146,418.4 | 2,420,612.9 | 2,290,616.43    | 4,841,439.91   | 40° 1' 55.281 N | 98° 55' 23.731 W  |
| - plan misses target center by 2677989.5ft at 4400.0ft MD (2959.9 TVD, -1210.9 N, 991.9 E) |               |              |          |             |             |                 |                |                 |                   |
| - Polygon  |               |              |          |             |             |                 |                |                 |                   |
| Point 1  |               |              | 0.0      | 1,144,180.9 | 2,419,418.3 | 1,146,392.78    | 2,421,931.23   |                 |                   |
| Point 2  |               |              | 0.0      | 1,148,143.7 | 2,419,505.9 | 1,142,429.83    | 2,421,843.63   |                 |                   |
| Point 3  |               |              | 0.0      | 1,148,113.2 | 2,420,821.2 | 1,142,460.33    | 2,420,528.28   |                 |                   |
| Point 4  |               |              | 0.0      | 1,144,155.3 | 2,420,736.5 | 1,146,418.38    | 2,420,612.98   |                 |                   |
| Point 5  |               |              | 0.0      | 1,144,180.9 | 2,419,418.3 | 1,146,392.78    | 2,421,931.23   |                 |                   |
| Carpenter 32-6-3 #2 L  | 0.00          | 360.00       | 2,955.0  | -365.3      | 210.9       | 1,143,789.86    | 2,420,947.44   | 37° 2' 40.812 N | 107° 29' 2.645 W  |
| - plan hits target center  |               |              |          |             |             |                 |                |                 |                   |
| - Point  |               |              |          |             |             |                 |                |                 |                   |
| Carpenter 32-6-3 #2 L  | 0.00          | 360.00       | 2,962.0  | -1,725.3    | 1,107.1     | 1,142,429.85    | 2,421,843.62   | 37° 2' 27.557 N | 107° 28' 51.238 W |
| - plan hits target center  |               |              |          |             |             |                 |                |                 |                   |
| - Point  |               |              |          |             |             |                 |                |                 |                   |