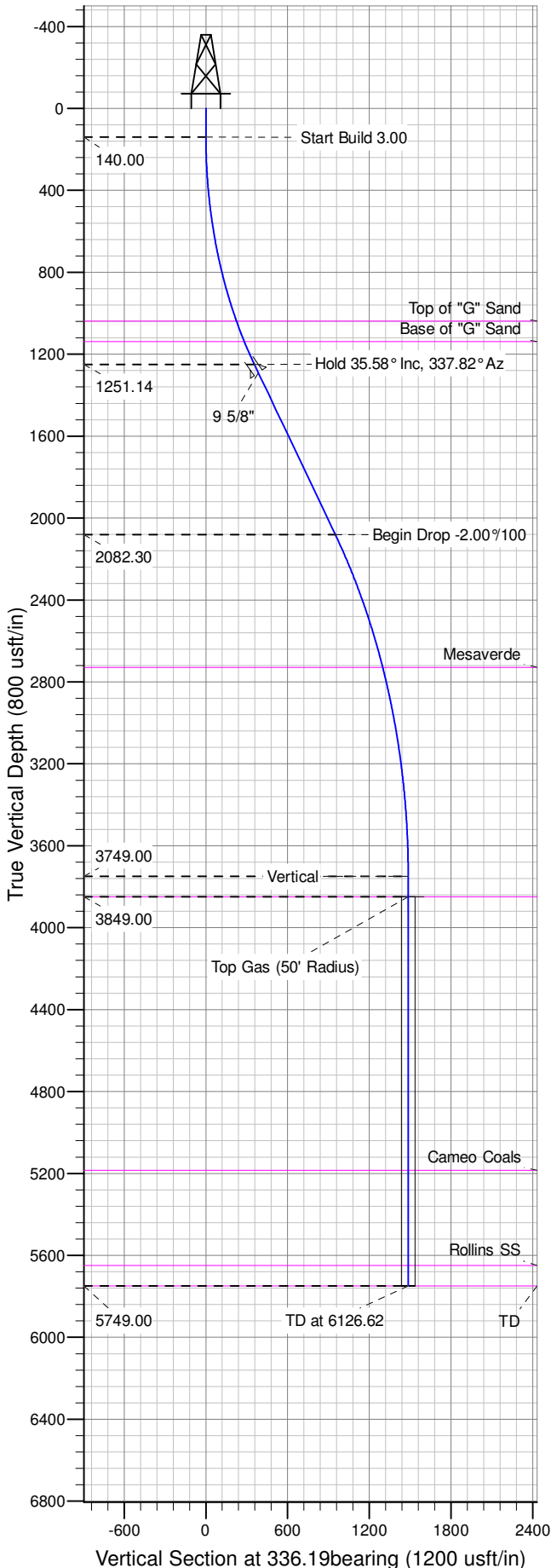
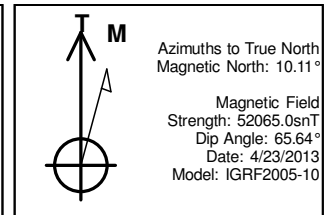
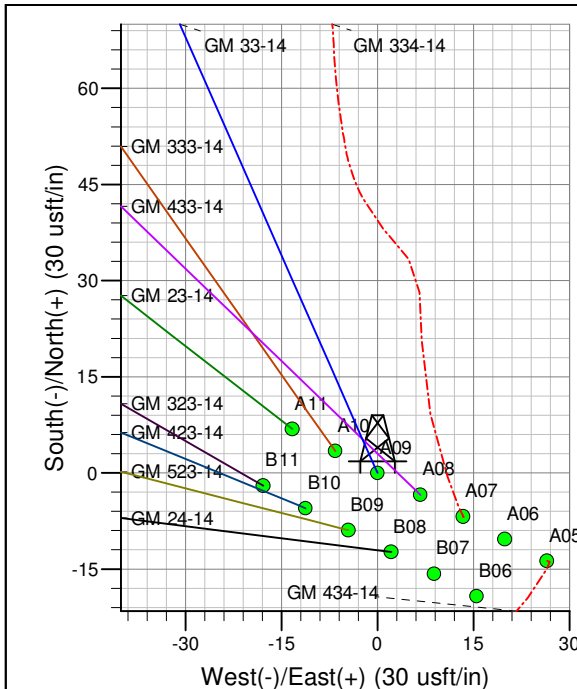
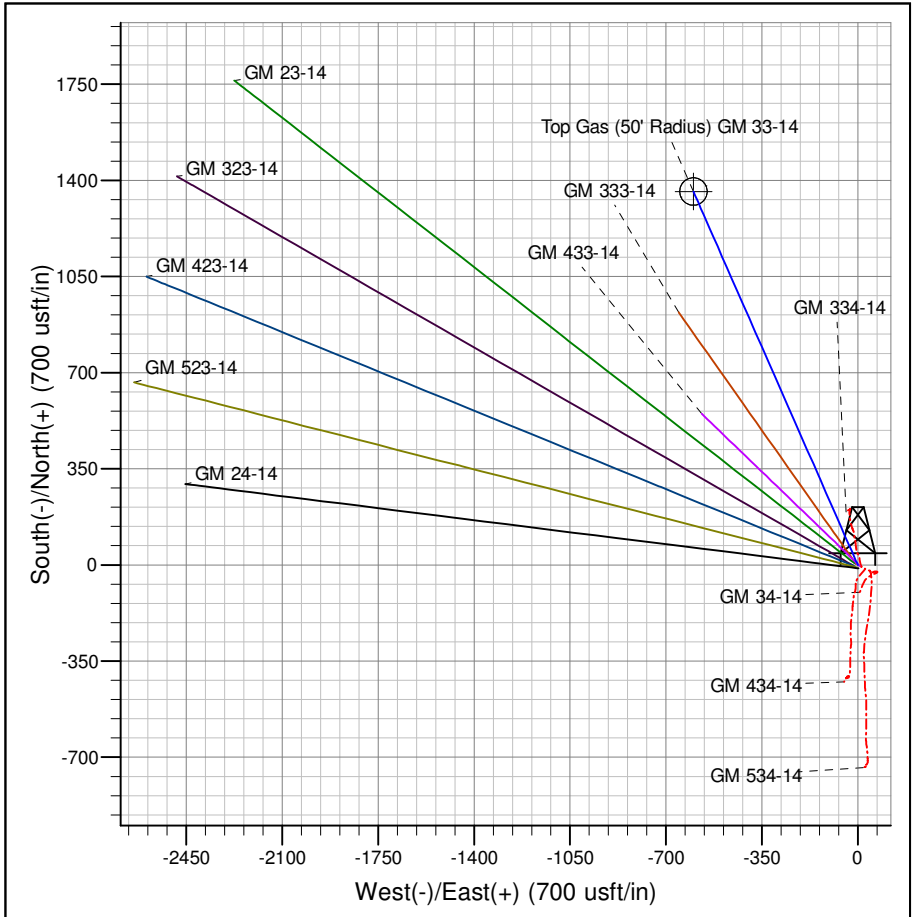




Well Name: GM 33-14  
Surface Location: GM 34-14 Pad  
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
Ground Elevation: 5173.00  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 1592883.30000 2272799.50000 39.43294 -108.07493 A09  
KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs)



| ANNOTATIONS |         |       |        |         |         |         |           |                             |  |
|-------------|---------|-------|--------|---------|---------|---------|-----------|-----------------------------|--|
| TVD         | MD      | Inc   | Azi    | +N/-S   | +E/-W   | Vsect   | Departure | Annotation                  |  |
| 140.00      | 140.00  | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00      | Start Build 3.00            |  |
| 1251.14     | 1325.88 | 35.58 | 336.19 | 326.16  | -143.91 | 356.50  | 356.50    | Hold 35.58° Inc, 337.82° Az |  |
| 2082.30     | 2347.79 | 35.58 | 336.19 | 870.10  | -383.91 | 951.03  | 951.03    | Begin Drop -2.00°/100       |  |
| 3749.00     | 4126.62 | 0.00  | 0.00   | 1359.33 | -599.78 | 1485.77 | 1485.77   | Vertical                    |  |
| 3849.00     | 4226.62 | 0.00  | 0.00   | 1359.33 | -599.78 | 1485.77 | 1485.77   | Top Gas                     |  |
| 5749.00     | 6126.62 | 0.00  | 0.00   | 1359.33 | -599.78 | 1485.77 | 1485.77   | TD at 6126.62               |  |



Project: GV 14-07S-096W  
Site: GM 34-14 Pad  
Well: GM 33-14  
Design #2 02May14 mab

# **PICEANCE VLY NAD 83**

**GV 14-07S-096W**

**GM 34-14 Pad**

**GM 33-14 - Slot A09**

**Wellbore #1**

**Plan: Design #2 02May14 mab**

## **Standard Planning Report - Geographic**

**30 May, 2014**

**WPX**  
Planning Report - Geographic

|                  |                       |                                     |  |
|------------------|-----------------------|-------------------------------------|--|
| <b>Database:</b> | COMPASS-PICEANCE      | <b>Local Co-ordinate Reference:</b> | Well GM 33-14 - Slot A09                                   |
| <b>Company:</b>  | PICEANCE VLY NAD 83   | <b>TVD Reference:</b>               | KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs) |
| <b>Project:</b>  | GV 14-07S-096W        | <b>MD Reference:</b>                | KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs) |
| <b>Site:</b>     | GM 34-14 Pad          | <b>North Reference:</b>             | True   |
| <b>Well:</b>     | GM 33-14              | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Wellbore:</b> | Wellbore #1           |                                     |  |
| <b>Design:</b>   | Design #2 02May14 mab |                                     |  |

|                    |  |                      |                             |
|--------------------|--|----------------------|-----------------------------|
| <b>Project</b>     | GV 14-07S-096W, Garfield County, CO, 14-07S-096W |                      |                             |
| <b>Map System:</b> | US State Plane 1983                              | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983                        |                      |                             |
| <b>Map Zone:</b>   | Colorado Central Zone                            |                      | Using geodetic scale factor |

|                              |              |                          |                      |
|------------------------------|--------------|--------------------------|----------------------|
| <b>Site</b>                  | GM 34-14 Pad |                          |                      |
| <b>Site Position:</b>        |              | <b>Northing:</b>         | 1,592,854.30000 usft |
| <b>From:</b>                 | Map          | <b>Easting:</b>          | 2,272,852.10000 usft |
| <b>Position Uncertainty:</b> | 0.00 usft    | <b>Slot Radius:</b>      | 13.200 in            |
|                              |              | <b>Latitude:</b>         | 39.43286             |
|                              |              | <b>Longitude:</b>        | -108.07474           |
|                              |              | <b>Grid Convergence:</b> | -1.62 °              |

|                             |                     |                            |                                       |
|-----------------------------|---------------------|----------------------------|---------------------------------------|
| <b>Well</b>                 | GM 33-14 - Slot A09 |                            |                                       |
| <b>Well Position</b>        | <b>+N/-S</b>        | 0.00 usft                  | <b>Northing:</b> 1,592,883.30000 usft |
|                             | <b>+E/-W</b>        | 0.00 usft                  | <b>Easting:</b> 2,272,799.50000 usft  |
| <b>Position Uncertainty</b> | 0.00 usft           | <b>Wellhead Elevation:</b> | <b>Latitude:</b> 39.43294             |
|                             |                     |                            | <b>Longitude:</b> -108.07493          |
|                             |                     |                            | <b>Ground Level:</b> 5,173.00 usft    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2005-10       | 4/23/2013          | 10.11                  | 65.64                | 52,065                     |

|                          |                                |                     |                      |                            |  |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------------|--|
| <b>Design</b>            | Design #2 02May14 mab          |                     |                      |                            |  |
| <b>Audit Notes:</b>      |                                |                     |                      |                            |  |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                       |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (bearing)</b> |  |
|                          | 0.00                           | 0.00                | 0.00                 | 336.19                     |  |

| <b>Plan Sections</b>  |                 |                   |                       |              |              |                         |                        |                       |         |                      |
|-----------------------|-----------------|-------------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target               |
| 0.00                  | 0.00            | 0.00              | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 140.00                | 0.00            | 0.00              | 140.00                | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 1,325.88              | 35.58           | 336.19            | 1,251.14              | 326.16       | -143.91      | 3.00                    | 3.00                   | 0.00                  | 336.19  |                      |
| 2,347.79              | 35.58           | 336.19            | 2,082.30              | 870.10       | -383.91      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 4,126.62              | 0.00            | 0.00              | 3,749.00              | 1,359.33     | -599.78      | 2.00                    | -2.00                  | 0.00                  | 180.00  |                      |
| 4,226.62              | 0.00            | 0.00              | 3,849.00              | 1,359.33     | -599.78      | 0.00                    | 0.00                   | 0.00                  | 0.00    | Top Gas (50' Radius) |
| 6,126.62              | 0.00            | 0.00              | 5,749.00              | 1,359.33     | -599.78      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |

**WPX**  
Planning Report - Geographic

|                  |                       |                                     |  |
|------------------|-----------------------|-------------------------------------|--|
| <b>Database:</b> | COMPASS-PICEANCE      | <b>Local Co-ordinate Reference:</b> | Well GM 33-14 - Slot A09                                   |
| <b>Company:</b>  | PICEANCE VLY NAD 83   | <b>TVD Reference:</b>               | KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs) |
| <b>Project:</b>  | GV 14-07S-096W        | <b>MD Reference:</b>                | KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs) |
| <b>Site:</b>     | GM 34-14 Pad          | <b>North Reference:</b>             | True   |
| <b>Well:</b>     | GM 33-14              | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Wellbore:</b> | Wellbore #1           |                                     |  |
| <b>Design:</b>   | Design #2 02May14 mab |                                     |  |

| Planned Survey                     |                 |                   |                       |              |              |                     |                    |          |            |
|------------------------------------|-----------------|-------------------|-----------------------|--------------|--------------|---------------------|--------------------|----------|------------|
| Measured Depth (usft)              | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude  |
| 0.00                               | 0.00            | 0.00              | 0.00                  | 0.00         | 0.00         | 1,592,883.30000     | 2,272,799.50000    | 39.43294 | -108.07493 |
| 140.00                             | 0.00            | 0.00              | 140.00                | 0.00         | 0.00         | 1,592,883.30000     | 2,272,799.50000    | 39.43294 | -108.07493 |
| <b>Start Build 3.00</b>            |                 |                   |                       |              |              |                     |                    |          |            |
| 200.00                             | 1.80            | 336.19            | 199.99                | 0.86         | -0.38        | 1,592,884.17259     | 2,272,799.14417    | 39.43294 | -108.07494 |
| 400.00                             | 7.80            | 336.19            | 399.20                | 16.17        | -7.13        | 1,592,899.66145     | 2,272,792.82815    | 39.43298 | -108.07496 |
| 600.00                             | 13.80           | 336.19            | 595.57                | 50.44        | -22.25       | 1,592,934.34594     | 2,272,778.68456    | 39.43308 | -108.07501 |
| 800.00                             | 19.80           | 336.19            | 786.94                | 103.30       | -45.58       | 1,592,987.84604     | 2,272,756.86839    | 39.43322 | -108.07510 |
| 1,000.00                           | 25.80           | 336.19            | 971.23                | 174.18       | -76.85       | 1,593,059.57560     | 2,272,727.61863    | 39.43342 | -108.07521 |
| 1,076.02                           | 28.08           | 336.19            | 1,039.00              | 205.69       | -90.76       | 1,593,091.46611     | 2,272,714.61437    | 39.43350 | -108.07526 |
| <b>Top of "G" Sand</b>             |                 |                   |                       |              |              |                     |                    |          |            |
| 1,191.29                           | 31.54           | 336.19            | 1,139.00              | 258.10       | -113.88      | 1,593,144.51544     | 2,272,692.98199    | 39.43365 | -108.07534 |
| <b>Base of "G" Sand</b>            |                 |                   |                       |              |              |                     |                    |          |            |
| 1,200.00                           | 31.80           | 336.19            | 1,146.41              | 262.29       | -115.73      | 1,593,148.74872     | 2,272,691.25575    | 39.43366 | -108.07534 |
| 1,325.88                           | 35.58           | 336.19            | 1,251.14              | 326.16       | -143.91      | 1,593,213.38905     | 2,272,664.89682    | 39.43383 | -108.07544 |
| <b>Hold 35.58° Inc, 337.82° Az</b> |                 |                   |                       |              |              |                     |                    |          |            |
| 1,375.88                           | 35.58           | 336.19            | 1,291.80              | 352.77       | -155.65      | 1,593,240.32219     | 2,272,653.91407    | 39.43391 | -108.07549 |
| <b>9 5/8"</b>                      |                 |                   |                       |              |              |                     |                    |          |            |
| 1,400.00                           | 35.58           | 336.19            | 1,311.42              | 365.61       | -161.32      | 1,593,253.31552     | 2,272,648.61567    | 39.43394 | -108.07551 |
| 1,600.00                           | 35.58           | 336.19            | 1,474.09              | 472.06       | -208.29      | 1,593,361.05457     | 2,272,604.68201    | 39.43423 | -108.07567 |
| 1,800.00                           | 35.58           | 336.19            | 1,636.75              | 578.52       | -255.26      | 1,593,468.79363     | 2,272,560.74835    | 39.43453 | -108.07584 |
| 2,000.00                           | 35.58           | 336.19            | 1,799.42              | 684.98       | -302.23      | 1,593,576.53268     | 2,272,516.81469    | 39.43482 | -108.07600 |
| 2,200.00                           | 35.58           | 336.19            | 1,962.09              | 791.43       | -349.20      | 1,593,684.27173     | 2,272,472.88104    | 39.43511 | -108.07617 |
| 2,347.79                           | 35.58           | 336.19            | 2,082.30              | 870.10       | -383.91      | 1,593,763.88774     | 2,272,440.41535    | 39.43533 | -108.07629 |
| <b>Begin Drop -2.00°/100</b>       |                 |                   |                       |              |              |                     |                    |          |            |
| 2,400.00                           | 34.53           | 336.19            | 2,125.03              | 897.53       | -396.02      | 1,593,791.65101     | 2,272,429.09409    | 39.43540 | -108.07634 |
| 2,600.00                           | 30.53           | 336.19            | 2,293.62              | 995.91       | -439.43      | 1,593,891.21921     | 2,272,388.49232    | 39.43567 | -108.07649 |
| 2,800.00                           | 26.53           | 336.19            | 2,469.29              | 1,083.30     | -477.98      | 1,593,979.65616     | 2,272,352.42966    | 39.43591 | -108.07663 |
| 3,000.00                           | 22.53           | 336.19            | 2,651.20              | 1,159.26     | -511.50      | 1,594,056.53101     | 2,272,321.08176    | 39.43612 | -108.07674 |
| 3,083.74                           | 20.86           | 336.19            | 2,729.00              | 1,187.58     | -524.00      | 1,594,085.19178     | 2,272,309.39451    | 39.43620 | -108.07679 |
| <b>Mesaverde</b>                   |                 |                   |                       |              |              |                     |                    |          |            |
| 3,200.00                           | 18.53           | 336.19            | 2,838.45              | 1,223.42     | -539.81      | 1,594,121.46921     | 2,272,294.60136    | 39.43630 | -108.07685 |
| 3,400.00                           | 14.53           | 336.19            | 3,030.15              | 1,275.48     | -562.78      | 1,594,174.15441     | 2,272,273.11748    | 39.43644 | -108.07693 |
| 3,600.00                           | 10.53           | 336.19            | 3,225.34              | 1,315.18     | -580.30      | 1,594,214.32991     | 2,272,256.73477    | 39.43655 | -108.07699 |
| 3,800.00                           | 6.53            | 336.19            | 3,423.09              | 1,342.32     | -592.27      | 1,594,241.80000     | 2,272,245.53306    | 39.43662 | -108.07703 |
| 4,000.00                           | 2.53            | 336.19            | 3,622.42              | 1,356.78     | -598.65      | 1,594,256.43085     | 2,272,239.56692    | 39.43666 | -108.07705 |
| 4,126.62                           | 0.00            | 0.00              | 3,749.00              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| <b>Vertical</b>                    |                 |                   |                       |              |              |                     |                    |          |            |
| 4,200.00                           | 0.00            | 0.00              | 3,822.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 4,226.62                           | 0.00            | 0.00              | 3,849.00              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| <b>Top Gas - Approx. Top Gas</b>   |                 |                   |                       |              |              |                     |                    |          |            |
| 4,400.00                           | 0.00            | 0.00              | 4,022.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 4,600.00                           | 0.00            | 0.00              | 4,222.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 4,800.00                           | 0.00            | 0.00              | 4,422.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 5,000.00                           | 0.00            | 0.00              | 4,622.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 5,200.00                           | 0.00            | 0.00              | 4,822.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 5,400.00                           | 0.00            | 0.00              | 5,022.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 5,561.62                           | 0.00            | 0.00              | 5,184.00              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| <b>Cameo Coals</b>                 |                 |                   |                       |              |              |                     |                    |          |            |
| 5,600.00                           | 0.00            | 0.00              | 5,222.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 5,800.00                           | 0.00            | 0.00              | 5,422.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| 6,000.00                           | 0.00            | 0.00              | 5,622.38              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |

**WPX**  
Planning Report - Geographic

|                  |                       |                                     |  |
|------------------|-----------------------|-------------------------------------|--|
| <b>Database:</b> | COMPASS-PICEANCE      | <b>Local Co-ordinate Reference:</b> | Well GM 33-14 - Slot A09                                   |
| <b>Company:</b>  | PICEANCE VLY NAD 83   | <b>TVD Reference:</b>               | KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs) |
| <b>Project:</b>  | GV 14-07S-096W        | <b>MD Reference:</b>                | KELLY BUSHING @ 5199.00usft (Nabors 574 rig (26' RKB) kjs) |
| <b>Site:</b>     | GM 34-14 Pad          | <b>North Reference:</b>             | True   |
| <b>Well:</b>     | GM 33-14              | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Wellbore:</b> | Wellbore #1           |                                     |  |
| <b>Design:</b>   | Design #2 02May14 mab |                                     |  |

| Planned Survey        |                 |                   |                       |              |              |                     |                    |          |            |
|-----------------------|-----------------|-------------------|-----------------------|--------------|--------------|---------------------|--------------------|----------|------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude  |
| 6,026.62              | 0.00            | 0.00              | 5,649.00              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| <b>Rollins SS</b>     |                 |                   |                       |              |              |                     |                    |          |            |
| 6,126.62              | 0.00            | 0.00              | 5,749.00              | 1,359.33     | -599.78      | 1,594,259.02132     | 2,272,238.51058    | 39.43667 | -108.07706 |
| <b>TD at 6126.62</b>  |                 |                   |                       |              |              |                     |                    |          |            |

| Design Targets  |               |                    |            |              |              |                 |                 |          |            |
|---|---------------|--------------------|------------|--------------|--------------|-----------------|-----------------|----------|------------|
| Target Name<br>- hit/miss target<br>- Shape                                     | Dip Angle (°) | Dip Dir. (bearing) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft)  | Latitude | Longitude  |
| Top Gas (50' Radius) GM<br>- plan hits target center<br>- Circle (radius 50.00) | 0.00          | 0.00               | 3,849.00   | 1,359.33     | -599.78      | 1,594,259.02132 | 2,272,238.51058 | 39.43667 | -108.07706 |

| Casing Points         |                       |        |                      |                    |  |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name   | Casing Diameter (in) | Hole Diameter (in) |  |
| 1,375.88              | 1,291.80              | 9 5/8" | 9.625                | 13.500             |  |

| Formations            |                       |                  |           |         |                         |  |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name             | Lithology | Dip (°) | Dip Direction (bearing) |  |
| 1,076.02              | 1,039.00              | Top of "G" Sand  |           |         |                         |  |
| 1,191.29              | 1,139.00              | Base of "G" Sand |           |         |                         |  |
| 3,083.74              | 2,729.00              | Mesaverde        |           |         |                         |  |
| 4,226.62              | 3,849.00              | Approx. Top Gas  |           |         |                         |  |
| 5,561.62              | 5,184.00              | Cameo Coals      |           |         |                         |  |
| 6,026.62              | 5,649.00              | Rollins SS       |           |         |                         |  |

| Plan Annotations      |                       |                   |              |                             |  |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                             |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                     |  |
| 140.00                | 140.00                | 0.00              | 0.00         | Start Build 3.00            |  |
| 1,325.88              | 1,251.14              | 326.16            | -143.91      | Hold 35.58° Inc, 337.82° Az |  |
| 2,347.79              | 2,082.30              | 870.10            | -383.91      | Begin Drop -2.00°/100       |  |
| 4,126.62              | 3,749.00              | 1,359.33          | -599.78      | Vertical                    |  |
| 4,226.62              | 3,849.00              | 1,359.33          | -599.78      | Top Gas                     |  |
| 6,126.62              | 5,749.00              | 1,359.33          | -599.78      | TD at 6126.62               |  |