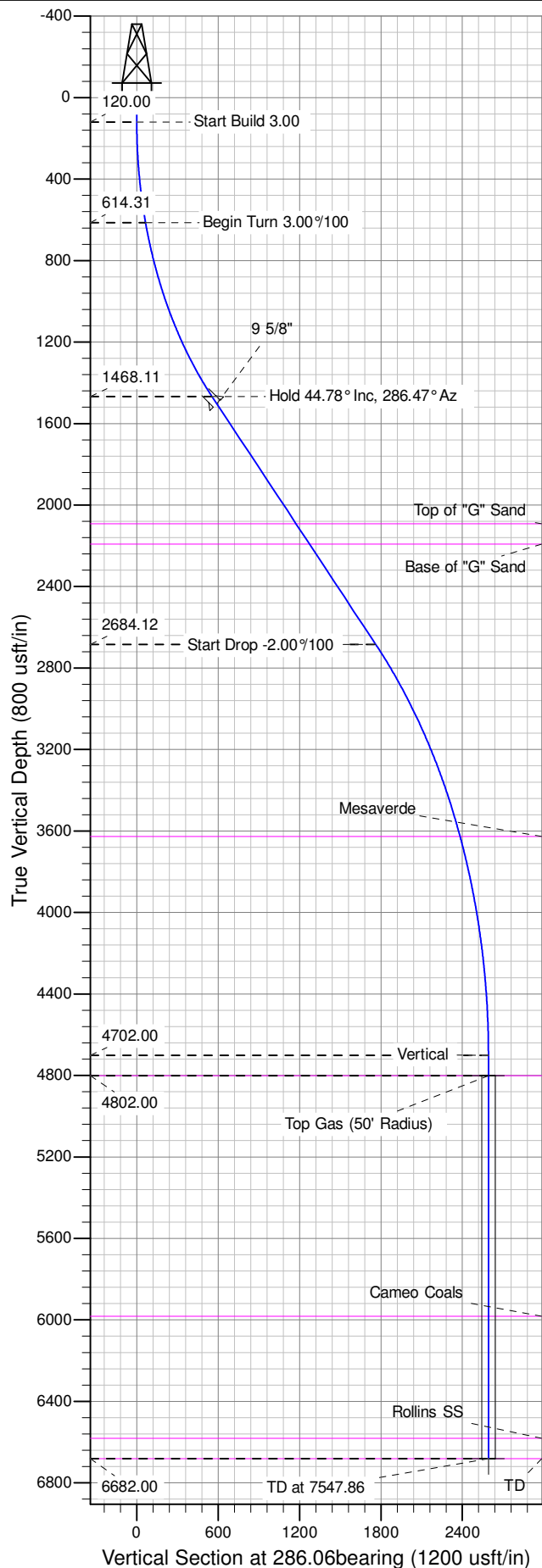
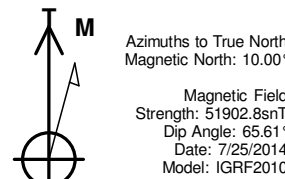
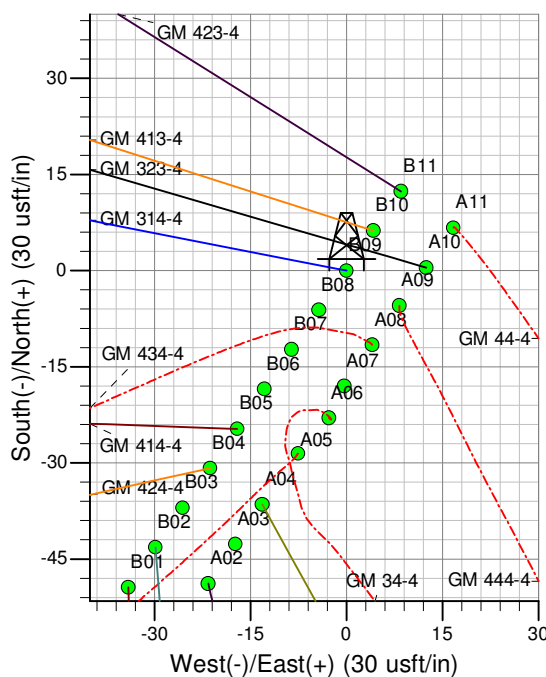
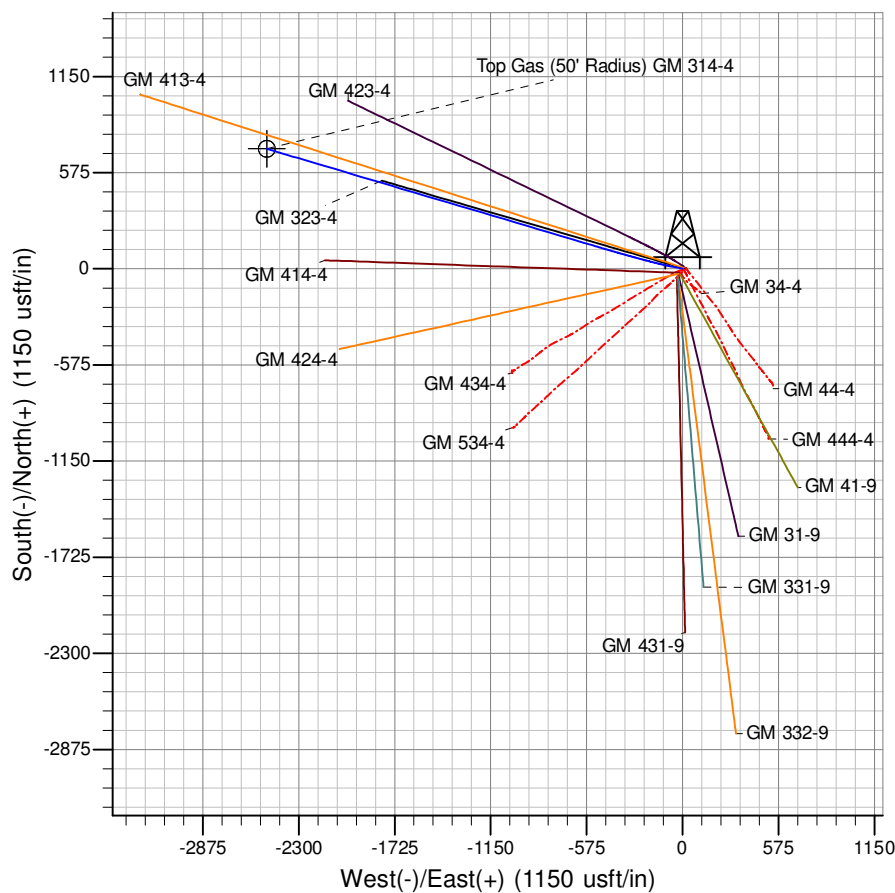




Well Name: GM 314-4
Surface Location: GM 34-4 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6023.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1603687.40000 2263177.50000 39.461833 -108.110082 B09
KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab)



| ANNOTATIONS | | | | | | | | | |
|-------------|---------|-------|--------|--------|----------|---------|-----------|-----------------------------|--|
| TVD | MD | Inc | Azi | +N/-S | +E/-W | Vsect | Departure | Annotation | |
| 120.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 3.00 | |
| 614.31 | 620.00 | 15.00 | 281.00 | 12.42 | -63.88 | 64.82 | 65.08 | Begin Turn 3.00%/100 | |
| 1468.11 | 1615.82 | 44.78 | 286.47 | 139.33 | -537.48 | 555.05 | 555.52 | Hold 44.78° Inc, 286.47° Az | |
| 2684.12 | 3328.91 | 44.78 | 286.47 | 481.46 | -1694.62 | 1761.68 | 1762.18 | Start Drop -2.00%/100 | |
| 4702.00 | 5567.86 | 0.00 | 358.35 | 717.15 | -2491.78 | 2592.93 | 2593.45 | Vertical | |
| 4802.00 | 5667.86 | 0.00 | 0.00 | 717.15 | -2491.78 | 2592.93 | 2593.45 | Top Gas | |
| 6682.00 | 7547.86 | 0.00 | 0.00 | 717.15 | -2491.78 | 2592.93 | 2593.45 | TD at 7547.86 | |



Magnetic Field
Strength: 51902.8snT
Dip Angle: 65.61°
Date: 7/25/2014
Model: IGRF2010

Project: GV 04-07S-096W
Site: GM 34-4 Pad
Well: GM 314-4
Design #1 25Jul14 mab

PICEANCE VLY NAD 83

GV 04-07S-096W

GM 34-4 Pad

GM 314-4 - Slot B09

Wellbore #1

Plan: Design #1 25Jul14 mab

Standard Planning Report - Geographic

25 September, 2014

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 314-4 - Slot B09 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Project: | GV 04-07S-096W | MD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Site: | GM 34-4 Pad | North Reference: | True |
| Well: | GM 314-4 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 25Jul14 mab | | |

| | | | |
|--------------------|--|----------------------|-----------------------------|
| Project | GV 04-07S-096W, Garfield County, CO, 04-07S-096W | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | Using geodetic scale factor |

| | | | | |
|------------------------------|-------------|---------------------|----------------------|----------------------------------|
| Site | GM 34-4 Pad | | | |
| Site Position: | | Northing: | 1,603,693.60000 usft | Latitude: 39.461851 |
| From: Map | | Easting: | 2,263,194.40000 usft | Longitude: -108.110023 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.200 in | Grid Convergence: -1.65 ° |

| | | | | |
|-----------------------------|---------------------|-----------|----------------------------|----------------------|
| Well | GM 314-4 - Slot B09 | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,603,687.40000 usft |
| | +E/-W | 0.00 usft | Easting: | 2,263,177.50000 usft |
| Position Uncertainty | 0.00 usft | | Wellhead Elevation: | 0.00 usft |
| | | | Ground Level: | 6,023.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 7/25/2014 | 10.00 | 65.61 | 51,903 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------------|
| Design | Design #1 25Jul14 mab | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (bearing) |
| | 0.00 | 0.00 | 0.00 | 286.06 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| 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 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 620.00 | 15.00 | 281.00 | 614.31 | 12.42 | -63.88 | 3.00 | 3.00 | 0.00 | 281.00 | |
| 1,615.82 | 44.78 | 286.47 | 1,468.11 | 139.33 | -537.48 | 3.00 | 2.99 | 0.55 | 7.75 | |
| 3,328.91 | 44.78 | 286.47 | 2,684.12 | 481.46 | -1,694.62 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,567.86 | 0.00 | 358.35 | 4,702.00 | 717.15 | -2,491.78 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 7,547.86 | 0.00 | 358.35 | 6,682.00 | 717.15 | -2,491.78 | 0.00 | 0.00 | 0.00 | 0.00 | TD / PBHL GM 314-4 |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 314-4 - Slot B09 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Project: | GV 04-07S-096W | MD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Site: | GM 34-4 Pad | North Reference: | True |
| Well: | GM 314-4 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 25Jul14 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 | 1,603,687.40000 | 2,263,177.50000 | 39.461833 | -108.110082 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 1,603,687.40000 | 2,263,177.50000 | 39.461833 | -108.110082 | |
| Start Build 3.00 | | | | | | | | | | |
| 200.00 | 2.40 | 281.00 | 199.98 | 0.32 | -1.64 | 1,603,687.76675 | 2,263,175.86544 | 39.461834 | -108.110088 | |
| 400.00 | 8.40 | 281.00 | 399.00 | 3.91 | -20.11 | 1,603,691.88530 | 2,263,157.50958 | 39.461844 | -108.110153 | |
| 600.00 | 14.40 | 281.00 | 594.96 | 11.45 | -58.90 | 1,603,700.53556 | 2,263,118.95645 | 39.461865 | -108.110291 | |
| 620.00 | 15.00 | 281.00 | 614.31 | 12.42 | -63.88 | 1,603,701.64660 | 2,263,114.00465 | 39.461867 | -108.110308 | |
| Begin Turn 3.00°/100 | | | | | | | | | | |
| 800.00 | 20.36 | 283.09 | 785.74 | 23.96 | -117.29 | 1,603,714.72140 | 2,263,060.95155 | 39.461899 | -108.110498 | |
| 1,000.00 | 26.34 | 284.44 | 969.28 | 42.93 | -194.22 | 1,603,735.88744 | 2,262,984.60098 | 39.461951 | -108.110770 | |
| 1,200.00 | 32.32 | 285.32 | 1,143.56 | 68.15 | -288.84 | 1,603,763.81533 | 2,262,890.74524 | 39.462020 | -108.111105 | |
| 1,400.00 | 38.31 | 285.95 | 1,306.68 | 99.35 | -400.12 | 1,603,798.19909 | 2,262,780.41265 | 39.462106 | -108.111499 | |
| 1,600.00 | 44.30 | 286.44 | 1,456.84 | 136.19 | -526.84 | 1,603,838.66202 | 2,262,654.81200 | 39.462207 | -108.111948 | |
| 1,615.82 | 44.78 | 286.47 | 1,468.11 | 139.33 | -537.48 | 1,603,842.10923 | 2,262,644.26555 | 39.462216 | -108.111986 | |
| Hold 44.78° Inc, 286.47° Az | | | | | | | | | | |
| 1,665.82 | 44.78 | 286.47 | 1,503.61 | 149.32 | -571.26 | 1,603,853.06059 | 2,262,610.79389 | 39.462243 | -108.112105 | |
| 9 5/8" | | | | | | | | | | |
| 1,800.00 | 44.78 | 286.47 | 1,598.85 | 176.12 | -661.89 | 1,603,882.44920 | 2,262,520.97083 | 39.462317 | -108.112426 | |
| 2,000.00 | 44.78 | 286.47 | 1,740.82 | 216.06 | -796.98 | 1,603,926.25394 | 2,262,387.08643 | 39.462426 | -108.112905 | |
| 2,200.00 | 44.78 | 286.47 | 1,882.78 | 256.00 | -932.08 | 1,603,970.05868 | 2,262,253.20202 | 39.462536 | -108.113383 | |
| 2,400.00 | 44.78 | 286.47 | 2,024.75 | 295.94 | -1,067.17 | 1,604,013.86343 | 2,262,119.31760 | 39.462646 | -108.113862 | |
| 2,494.74 | 44.78 | 286.47 | 2,092.00 | 314.86 | -1,131.17 | 1,604,034.61400 | 2,262,055.89576 | 39.462697 | -108.114088 | |
| Top of "G" Sand | | | | | | | | | | |
| 2,600.00 | 44.78 | 286.47 | 2,166.72 | 335.89 | -1,202.26 | 1,604,057.66817 | 2,261,985.43320 | 39.462755 | -108.114340 | |
| 2,635.62 | 44.78 | 286.47 | 2,192.00 | 343.00 | -1,226.32 | 1,604,065.46979 | 2,261,961.58840 | 39.462775 | -108.114425 | |
| Base of "G" Sand | | | | | | | | | | |
| 2,800.00 | 44.78 | 286.47 | 2,308.68 | 375.83 | -1,337.36 | 1,604,101.47292 | 2,261,851.54879 | 39.462865 | -108.114819 | |
| 3,000.00 | 44.78 | 286.47 | 2,450.65 | 415.77 | -1,472.45 | 1,604,145.27766 | 2,261,717.66438 | 39.462974 | -108.115297 | |
| 3,200.00 | 44.78 | 286.47 | 2,592.61 | 455.71 | -1,607.55 | 1,604,189.08239 | 2,261,583.77997 | 39.463084 | -108.115776 | |
| 3,328.91 | 44.78 | 286.47 | 2,684.12 | 481.46 | -1,694.62 | 1,604,217.31738 | 2,261,497.48283 | 39.463155 | -108.116084 | |
| Start Drop -2.00°/100 | | | | | | | | | | |
| 3,400.00 | 43.36 | 286.47 | 2,735.20 | 495.48 | -1,742.03 | 1,604,232.69086 | 2,261,450.49545 | 39.463193 | -108.116252 | |
| 3,600.00 | 39.36 | 286.47 | 2,885.29 | 532.94 | -1,868.73 | 1,604,273.77442 | 2,261,324.92804 | 39.463296 | -108.116701 | |
| 3,800.00 | 35.36 | 286.47 | 3,044.23 | 567.34 | -1,985.09 | 1,604,311.50234 | 2,261,209.61680 | 39.463390 | -108.117113 | |
| 4,000.00 | 31.36 | 286.47 | 3,211.25 | 598.51 | -2,090.52 | 1,604,345.69080 | 2,261,105.12349 | 39.463476 | -108.117486 | |
| 4,200.00 | 27.36 | 286.47 | 3,385.53 | 626.31 | -2,184.53 | 1,604,376.17326 | 2,261,011.95720 | 39.463552 | -108.117819 | |
| 4,400.00 | 23.36 | 286.47 | 3,566.22 | 650.59 | -2,266.65 | 1,604,402.80119 | 2,260,930.57182 | 39.463619 | -108.118110 | |
| 4,465.88 | 22.04 | 286.47 | 3,627.00 | 657.80 | -2,291.03 | 1,604,410.70624 | 2,260,906.41093 | 39.463639 | -108.118196 | |
| Mesaverde | | | | | | | | | | |
| 4,600.00 | 19.36 | 286.47 | 3,752.45 | 671.23 | -2,336.49 | 1,604,425.44488 | 2,260,861.36388 | 39.463676 | -108.118357 | |
| 4,800.00 | 15.36 | 286.47 | 3,943.30 | 688.15 | -2,393.69 | 1,604,443.99400 | 2,260,804.67052 | 39.463722 | -108.118560 | |
| 5,000.00 | 11.36 | 286.47 | 4,137.85 | 701.25 | -2,437.99 | 1,604,458.35819 | 2,260,760.76795 | 39.463758 | -108.118717 | |
| 5,200.00 | 7.36 | 286.47 | 4,335.15 | 710.46 | -2,469.17 | 1,604,468.46746 | 2,260,729.87007 | 39.463783 | -108.118827 | |
| 5,400.00 | 3.36 | 286.47 | 4,534.24 | 715.76 | -2,487.07 | 1,604,474.27256 | 2,260,712.12741 | 39.463798 | -108.118891 | |
| 5,567.86 | 0.00 | 358.35 | 4,702.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 | |
| Vertical | | | | | | | | | | |
| 5,600.00 | 0.00 | 0.00 | 4,734.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 | |
| 5,667.86 | 0.00 | 0.00 | 4,802.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 | |
| Top Gas - Approx. Top Gas | | | | | | | | | | |
| 5,800.00 | 0.00 | 0.00 | 4,934.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 | |
| 6,000.00 | 0.00 | 0.00 | 5,134.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 | |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 314-4 - Slot B09 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Project: | GV 04-07S-096W | MD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Site: | GM 34-4 Pad | North Reference: | True |
| Well: | GM 314-4 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 25Jul14 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 |
| 6,200.00 | 0.00 | 0.00 | 5,334.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 6,400.00 | 0.00 | 0.00 | 5,534.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 6,600.00 | 0.00 | 0.00 | 5,734.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 6,800.00 | 0.00 | 0.00 | 5,934.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 6,847.86 | 0.00 | 0.00 | 5,982.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| Cameo Coals | | | | | | | | | |
| 7,000.00 | 0.00 | 0.00 | 6,134.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 7,200.00 | 0.00 | 0.00 | 6,334.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 7,400.00 | 0.00 | 0.00 | 6,534.14 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| 7,447.86 | 0.00 | 0.00 | 6,582.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| Rollins SS | | | | | | | | | |
| 7,547.86 | 0.00 | 0.00 | 6,682.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| TD at 7547.86 - TD | | | | | | | | | |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------------|------------|--------------|--------------|-----------------|-----------------|-----------|-------------|
| Target Name | Dip Angle (°) | Dip Dir. (bearing) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Top Gas (50' Radius) G1 | 0.00 | 358.35 | 4,802.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| TD / PBHL GM 314-4 | 0.00 | 0.00 | 6,682.00 | 717.15 | -2,491.78 | 1,604,475.80127 | 2,260,707.45507 | 39.463802 | -108.118908 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,665.82 | 1,503.61 | 9 5/8" | 9.625 | 13.500 | |

| Formations | | | | | | |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (bearing) | |
| 2,494.74 | 2,092.00 | Top of "G" Sand | | | | |
| 2,635.62 | 2,192.00 | Base of "G" Sand | | | | |
| 4,465.88 | 3,627.00 | Mesaverde | | | | |
| 5,667.86 | 4,802.00 | Approx. Top Gas | | | | |
| 6,847.86 | 5,982.00 | Cameo Coals | | | | |
| 7,447.86 | 6,582.00 | Rollins SS | | | | |
| 7,547.86 | 6,682.00 | TD | | | | |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 314-4 - Slot B09 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Project: | GV 04-07S-096W | MD Reference: | KELLY BUSHING @ 6047.00usft (H&P 318 (24' RKB) mab) |
| Site: | GM 34-4 Pad | North Reference: | True |
| Well: | GM 314-4 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 25Jul14 mab | | |

| Plan Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 120.00 | 120.00 | 0.00 | 0.00 | Start Build 3.00 |
| 620.00 | 614.31 | 12.42 | -63.88 | Begin Turn 3.00°/100 |
| 1,615.82 | 1,468.11 | 139.33 | -537.48 | Hold 44.78° Inc, 286.47° Az |
| 3,328.91 | 2,684.12 | 481.46 | -1,694.62 | Start Drop -2.00°/100 |
| 5,567.86 | 4,702.00 | 717.15 | -2,491.78 | Vertical |
| 5,667.86 | 4,802.00 | 717.15 | -2,491.78 | Top Gas |
| 7,547.86 | 6,682.00 | 717.15 | -2,491.78 | TD at 7547.86 |