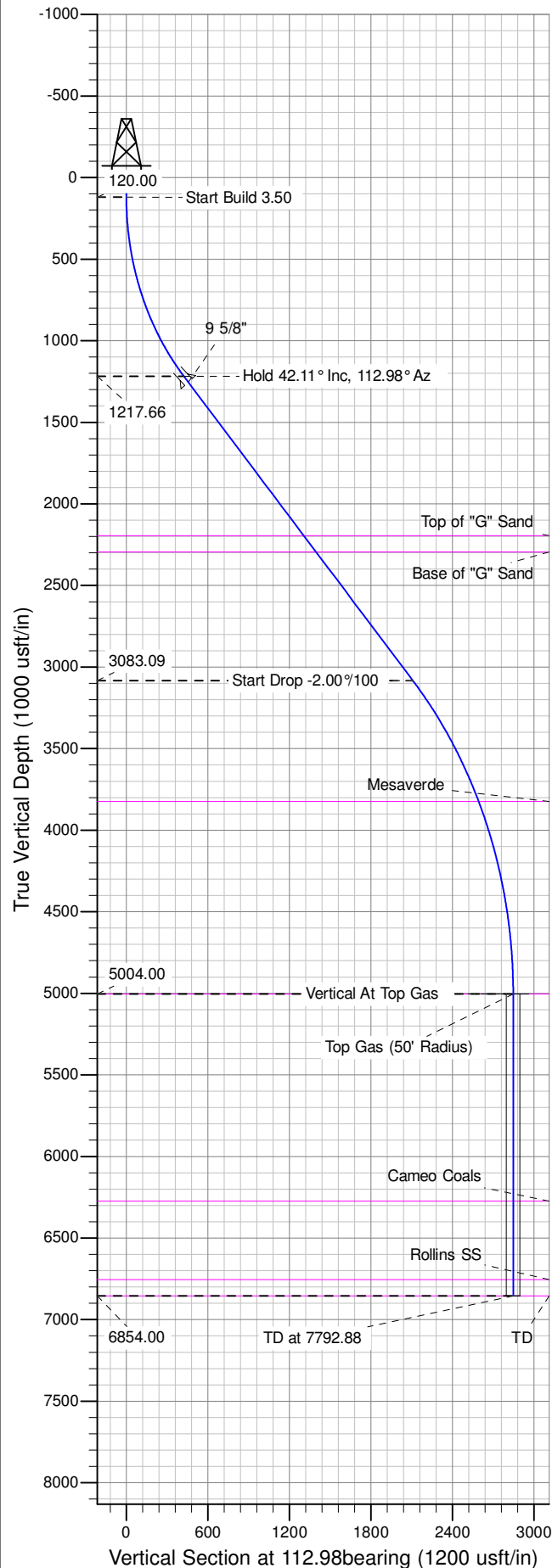
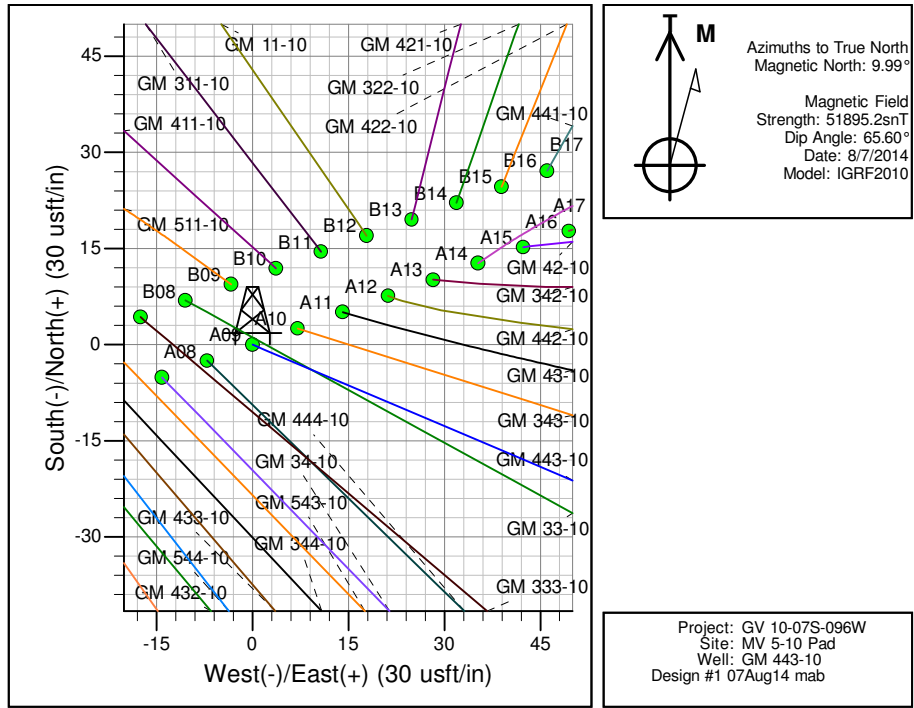
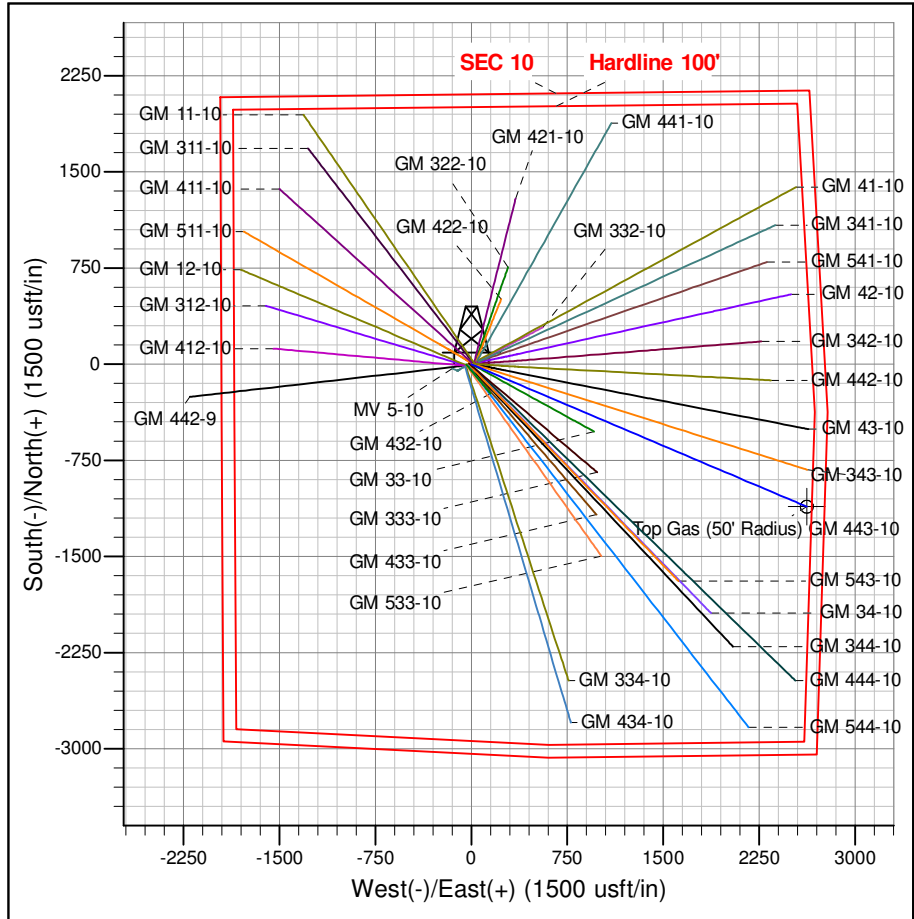




Well Name: GM 443-10
Surface Location: MV 5-10 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6148.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1600360.99 2266931.59 39.45300 -108.09645 A10
KELLY BUSHING @ 6174.00usft (Nabors (26' RKB) 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 3.50 | |
| 1217.66 | 1323.07 | 42.11 | 112.98 | -164.94 | 389.01 | 422.53 | 422.53 | Hold 42.11° Inc, 112.98° Az | |
| 3083.09 | 3837.51 | 42.11 | 112.98 | -823.08 | 1941.24 | 2108.52 | 2108.52 | Start Drop -2.00°/100 | |
| 5004.00 | 5942.88 | 0.00 | 0.00 | -1111.72 | 2622.01 | 2847.96 | 2847.96 | Vertical At Top Gas | |
| 6854.00 | 7792.88 | 0.00 | 0.00 | -1111.72 | 2622.01 | 2847.96 | 2847.96 | TD at 7792.88 | |



PICEANCE VLY NAD 83

GV 10-07S-096W

MV 5-10 Pad

GM 443-10 - Slot A10

Wellbore #1

Plan: Design #1 07Aug14 mab

Standard Planning Report - Geographic

14 October, 2014

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|--|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 443-10 - Slot A10 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6174.00usft (Nabors _ (26' RKB) mab) |
| Project: | GV 10-07S-096W | MD Reference: | KELLY BUSHING @ 6174.00usft (Nabors _ (26' RKB) mab) |
| Site: | MV 5-10 Pad | North Reference: | True |
| Well: | GM 443-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 07Aug14 mab | | |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | GV 10-07S-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 | MV 5-10 Pad | | | |
| Site Position: | | Northing: | 1,600,354.00000 usft | Latitude: 39.45298 |
| From: Map | | Easting: | 2,266,910.20000 usft | Longitude: -108.09653 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.200 in | Grid Convergence: -1.64 ° |

| | | | | |
|-----------------------------|----------------------|-----------|----------------------------|----------------------|
| Well | GM 443-10 - Slot A10 | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,600,360.99080 usft |
| | +E/-W | 0.00 usft | Easting: | 2,266,931.58534 usft |
| Position Uncertainty | 0.00 usft | | Wellhead Elevation: | 0.00 usft |
| | | | Ground Level: | 6,148.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 8/7/2014 | 9.99 | 65.60 | 51,895 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------------|
| Design | Design #1 07Aug14 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 | 112.98 |

| 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 | |
| 1,323.07 | 42.11 | 112.98 | 1,217.66 | -164.94 | 389.01 | 3.50 | 3.50 | 0.00 | 112.98 | |
| 3,837.51 | 42.11 | 112.98 | 3,083.09 | -823.08 | 1,941.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,942.88 | 0.00 | 0.00 | 5,004.00 | -1,111.72 | 2,622.01 | 2.00 | -2.00 | 0.00 | 180.00 | Top Gas (50' Radius) |
| 7,792.88 | 0.00 | 0.00 | 6,854.00 | -1,111.72 | 2,622.01 | 0.00 | 0.00 | 0.00 | 0.00 | |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|--|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 443-10 - Slot A10 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6174.00usft (Nabors _ (26' RKB) mab) |
| Project: | GV 10-07S-096W | MD Reference: | KELLY BUSHING @ 6174.00usft (Nabors _ (26' RKB) mab) |
| Site: | MV 5-10 Pad | North Reference: | True |
| Well: | GM 443-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 07Aug14 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 | 1,600,360.99080 | 2,266,931.58534 | 39.45300 | -108.09646 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 1,600,360.99080 | 2,266,931.58534 | 39.45300 | -108.09646 | |
| Start Build 3.50 | | | | | | | | | | |
| 200.00 | 2.80 | 112.98 | 199.97 | -0.76 | 1.80 | 1,600,360.17682 | 2,266,933.36205 | 39.45300 | -108.09645 | |
| 400.00 | 9.80 | 112.98 | 398.64 | -9.32 | 21.99 | 1,600,351.04186 | 2,266,953.30133 | 39.45297 | -108.09638 | |
| 600.00 | 16.80 | 112.98 | 593.15 | -27.27 | 64.33 | 1,600,331.89112 | 2,266,995.10254 | 39.45293 | -108.09623 | |
| 800.00 | 23.80 | 112.98 | 780.61 | -54.34 | 128.17 | 1,600,303.01007 | 2,267,058.14252 | 39.45285 | -108.09600 | |
| 1,000.00 | 30.80 | 112.98 | 958.23 | -90.13 | 212.57 | 1,600,264.82928 | 2,267,141.48148 | 39.45275 | -108.09570 | |
| 1,200.00 | 37.80 | 112.98 | 1,123.34 | -134.10 | 316.27 | 1,600,217.91794 | 2,267,243.87703 | 39.45263 | -108.09534 | |
| 1,323.07 | 42.11 | 112.98 | 1,217.66 | -164.94 | 389.01 | 1,600,185.00943 | 2,267,315.70792 | 39.45255 | -108.09508 | |
| Hold 42.11° Inc, 112.98° Az | | | | | | | | | | |
| 1,373.07 | 42.11 | 112.98 | 1,254.76 | -178.03 | 419.88 | 1,600,171.04651 | 2,267,346.18545 | 39.45251 | -108.09497 | |
| 9 5/8" | | | | | | | | | | |
| 1,400.00 | 42.11 | 112.98 | 1,274.73 | -185.08 | 436.50 | 1,600,163.52587 | 2,267,362.60108 | 39.45249 | -108.09491 | |
| 1,600.00 | 42.11 | 112.98 | 1,423.11 | -237.42 | 559.97 | 1,600,107.67265 | 2,267,484.51446 | 39.45235 | -108.09447 | |
| 1,800.00 | 42.11 | 112.98 | 1,571.49 | -289.77 | 683.43 | 1,600,051.81943 | 2,267,606.42785 | 39.45220 | -108.09404 | |
| 2,000.00 | 42.11 | 112.98 | 1,719.87 | -342.12 | 806.90 | 1,599,995.96621 | 2,267,728.34122 | 39.45206 | -108.09360 | |
| 2,200.00 | 42.11 | 112.98 | 1,868.25 | -394.47 | 930.36 | 1,599,940.11298 | 2,267,850.25460 | 39.45192 | -108.09316 | |
| 2,400.00 | 42.11 | 112.98 | 2,016.62 | -446.82 | 1,053.83 | 1,599,884.25976 | 2,267,972.16798 | 39.45177 | -108.09273 | |
| 2,600.00 | 42.11 | 112.98 | 2,165.00 | -499.17 | 1,177.29 | 1,599,828.40654 | 2,268,094.08135 | 39.45163 | -108.09229 | |
| 2,639.09 | 42.11 | 112.98 | 2,194.00 | -509.40 | 1,201.42 | 1,599,817.49034 | 2,268,117.90867 | 39.45160 | -108.09220 | |
| Top of "G" Sand | | | | | | | | | | |
| 2,773.88 | 42.11 | 112.98 | 2,294.00 | -544.68 | 1,284.63 | 1,599,779.84772 | 2,268,200.07293 | 39.45151 | -108.09191 | |
| Base of "G" Sand | | | | | | | | | | |
| 2,800.00 | 42.11 | 112.98 | 2,313.38 | -551.52 | 1,300.76 | 1,599,772.55333 | 2,268,215.99473 | 39.45149 | -108.09185 | |
| 3,000.00 | 42.11 | 112.98 | 2,461.76 | -603.87 | 1,424.22 | 1,599,716.70011 | 2,268,337.90812 | 39.45134 | -108.09141 | |
| 3,200.00 | 42.11 | 112.98 | 2,610.13 | -656.22 | 1,547.69 | 1,599,660.84689 | 2,268,459.82149 | 39.45120 | -108.09098 | |
| 3,400.00 | 42.11 | 112.98 | 2,758.51 | -708.56 | 1,671.16 | 1,599,604.99367 | 2,268,581.73487 | 39.45106 | -108.09054 | |
| 3,600.00 | 42.11 | 112.98 | 2,906.89 | -760.91 | 1,794.62 | 1,599,549.14044 | 2,268,703.64825 | 39.45091 | -108.09010 | |
| 3,800.00 | 42.11 | 112.98 | 3,055.27 | -813.26 | 1,918.09 | 1,599,493.28722 | 2,268,825.56162 | 39.45077 | -108.08966 | |
| 3,837.51 | 42.11 | 112.98 | 3,083.09 | -823.08 | 1,941.24 | 1,599,482.81321 | 2,268,848.42374 | 39.45074 | -108.08958 | |
| Start Drop -2.00°/100 | | | | | | | | | | |
| 4,000.00 | 38.86 | 112.98 | 3,206.67 | -864.25 | 2,038.35 | 1,599,438.88191 | 2,268,944.31460 | 39.45063 | -108.08924 | |
| 4,200.00 | 34.86 | 112.98 | 3,366.66 | -911.07 | 2,148.78 | 1,599,388.92761 | 2,269,053.35214 | 39.45050 | -108.08885 | |
| 4,400.00 | 30.86 | 112.98 | 3,534.63 | -953.42 | 2,248.66 | 1,599,343.74325 | 2,269,151.97811 | 39.45038 | -108.08849 | |
| 4,600.00 | 26.86 | 112.98 | 3,709.76 | -991.10 | 2,337.51 | 1,599,303.54897 | 2,269,239.71199 | 39.45028 | -108.08818 | |
| 4,726.68 | 24.32 | 112.98 | 3,824.00 | -1,012.45 | 2,387.88 | 1,599,280.76202 | 2,269,289.45012 | 39.45022 | -108.08800 | |
| Mesaverde | | | | | | | | | | |
| 4,800.00 | 22.86 | 112.98 | 3,891.19 | -1,023.91 | 2,414.90 | 1,599,268.54059 | 2,269,316.12639 | 39.45019 | -108.08791 | |
| 5,000.00 | 18.86 | 112.98 | 4,078.05 | -1,051.70 | 2,480.44 | 1,599,238.88867 | 2,269,380.84900 | 39.45011 | -108.08767 | |
| 5,200.00 | 14.86 | 112.98 | 4,269.42 | -1,074.33 | 2,533.83 | 1,599,214.73766 | 2,269,433.56450 | 39.45005 | -108.08748 | |
| 5,400.00 | 10.86 | 112.98 | 4,464.36 | -1,091.70 | 2,574.79 | 1,599,196.20524 | 2,269,474.01608 | 39.45000 | -108.08734 | |
| 5,600.00 | 6.86 | 112.98 | 4,661.94 | -1,103.72 | 2,603.14 | 1,599,183.38168 | 2,269,502.00664 | 39.44997 | -108.08724 | |
| 5,800.00 | 2.86 | 112.98 | 4,861.18 | -1,110.33 | 2,618.73 | 1,599,176.32947 | 2,269,517.39983 | 39.44995 | -108.08718 | |
| 5,942.88 | 0.00 | 0.00 | 5,004.00 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |
| Vertical At Top Gas - Approx. Top Gas | | | | | | | | | | |
| 6,000.00 | 0.00 | 0.00 | 5,061.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |
| 6,200.00 | 0.00 | 0.00 | 5,261.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |
| 6,400.00 | 0.00 | 0.00 | 5,461.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |
| 6,600.00 | 0.00 | 0.00 | 5,661.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |
| 6,800.00 | 0.00 | 0.00 | 5,861.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |
| 7,000.00 | 0.00 | 0.00 | 6,061.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 | |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|--|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well GM 443-10 - Slot A10 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 6174.00usft (Nabors _ (26' RKB) mab) |
| Project: | GV 10-07S-096W | MD Reference: | KELLY BUSHING @ 6174.00usft (Nabors _ (26' RKB) mab) |
| Site: | MV 5-10 Pad | North Reference: | True |
| Well: | GM 443-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 07Aug14 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 |
| 7,200.00 | 0.00 | 0.00 | 6,261.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |
| 7,212.88 | 0.00 | 0.00 | 6,274.00 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |
| Cameo Coals | | | | | | | | | |
| 7,400.00 | 0.00 | 0.00 | 6,461.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |
| 7,600.00 | 0.00 | 0.00 | 6,661.12 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |
| 7,692.88 | 0.00 | 0.00 | 6,754.00 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |
| Rollins SS | | | | | | | | | |
| 7,792.88 | 0.00 | 0.00 | 6,854.00 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |
| TD at 7792.88 - TD | | | | | | | | | |

| Design Targets | | | | | | | | | |
|--|---------------|--------------------|------------|--------------|--------------|-----------------|-----------------|----------|------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (bearing) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| Top Gas (50' Radius) GMA - plan hits target center - Circle (radius 50.00) | 0.00 | 0.00 | 5,004.00 | -1,111.72 | 2,622.01 | 1,599,174.84580 | 2,269,520.63830 | 39.44995 | -108.08717 |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,373.07 | 1,254.76 | 9 5/8" | 9.625 | 13.500 | |

| Formations | | | | | | |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (bearing) | |
| 2,639.09 | 2,194.00 | Top of "G" Sand | | | | |
| 2,773.88 | 2,294.00 | Base of "G" Sand | | | | |
| 4,726.68 | 3,824.00 | Mesaverde | | | | |
| 5,942.88 | 5,004.00 | Approx. Top Gas | | | | |
| 7,212.88 | 6,274.00 | Cameo Coals | | | | |
| 7,692.88 | 6,754.00 | Rollins SS | | | | |
| 7,792.88 | 6,854.00 | TD | | | | |

| 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 3.50 | |
| 1,323.07 | 1,217.66 | -164.94 | 389.01 | Hold 42.11° Inc, 112.98° Az | |
| 3,837.51 | 3,083.09 | -823.08 | 1,941.24 | Start Drop -2.00°/100 | |
| 5,942.88 | 5,004.00 | -1,111.72 | 2,622.01 | Vertical At Top Gas | |
| 7,792.88 | 6,854.00 | -1,111.72 | 2,622.01 | TD at 7792.88 | |