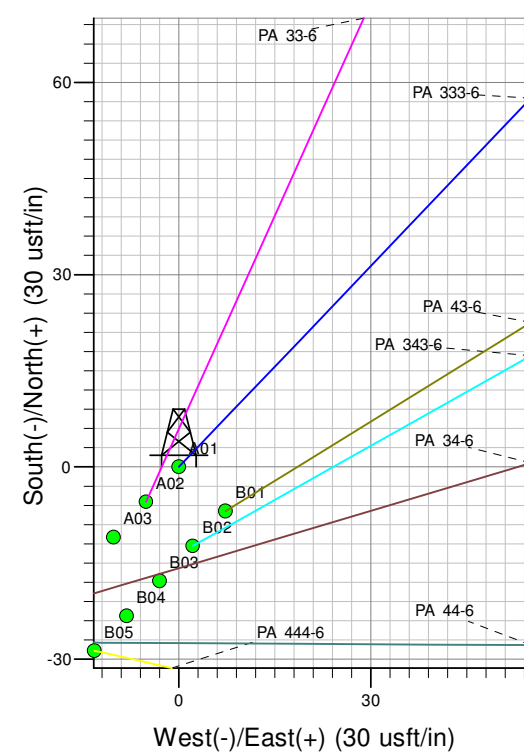
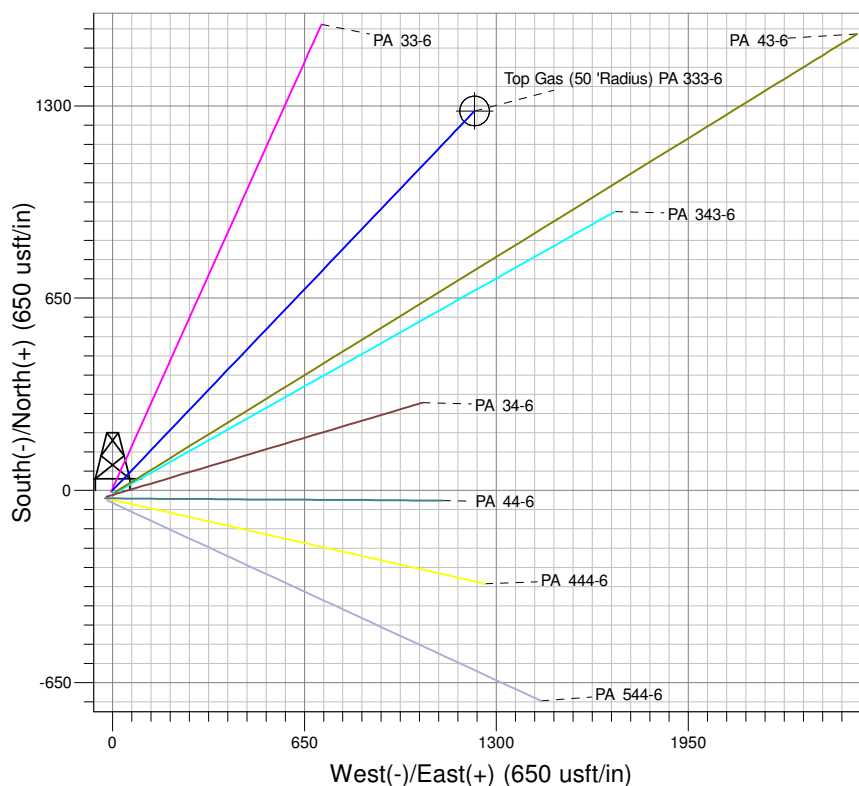
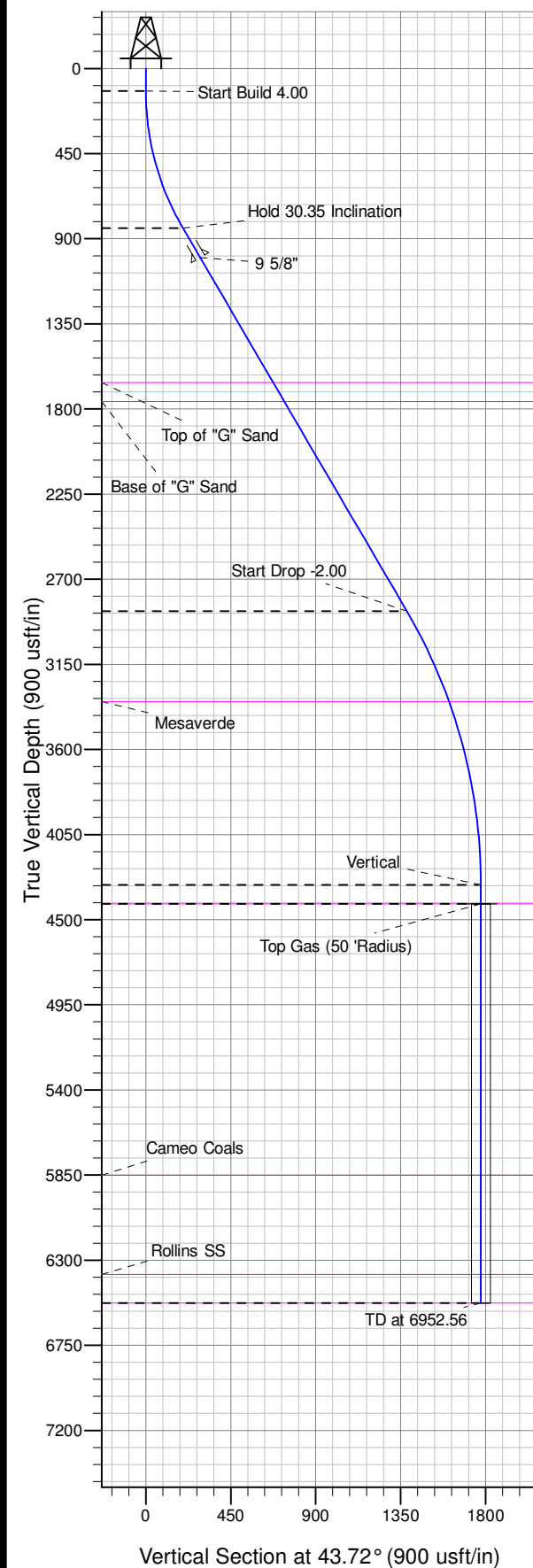




Well Name: PA 333-6
Surface Location: PA 24-6 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5135.00

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|----------|------------|------|
| 0.00 | 0.00 | 1603207.00 | 2282588.60 | 39.46203 | -108.04131 | A01 |

KELLY BUSHING @ 5160.00usft



Project: PA 06-07S-095W
Site: PA 24-6 Pad
Well: PA 333-6
Design #4 26Feb14 kjs



Azimuths to True North
Magnetic North: 10.19°
Magnetic Field
Strength: 52088.0snT
Dip Angle: 65.66°
Date: 11/19/2012
Model: IGRF2010

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 4.00 |
| 843.80 | 878.80 | 30.35 | 43.72 | 141.90 | 135.68 | 196.33 | 196.33 | Hold 30.35 Inclination |
| 2868.39 | 3224.96 | 30.35 | 43.72 | 998.76 | 955.00 | 1381.87 | 1381.87 | Start Drop -2.00 |
| 4316.00 | 4742.56 | 0.00 | 0.00 | 1282.56 | 1226.36 | 1774.52 | 1774.52 | Vertical |
| 4416.00 | 4842.56 | 0.00 | 0.00 | 1282.56 | 1226.36 | 1774.52 | 1774.52 | Top Gas |
| 6526.00 | 6952.56 | 0.00 | 0.00 | 1282.56 | 1226.36 | 1774.52 | 1774.52 | TD at 6952.56 |

PICEANCE VLY NAD 83

PA 06-07S-095W

PA 24-6 Pad

PA 333-6 - Slot A01

Wellbore #1

Plan: Design #4 26Feb14 kjs

Standard Planning Report - Geographic

13 March, 2014

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|-----------------------------|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well PA 333-6 - Slot A01 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5160.00usft |
| Project: | PA 06-07S-095W | MD Reference: | KELLY BUSHING @ 5160.00usft |
| Site: | PA 24-6 Pad | North Reference: | True |
| Well: | PA 333-6 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 26Feb14 kjs | | |

| | | | |
|--------------------|--------------------------------------------------|----------------------|-----------------------------|
| Project | PA 06-07S-095W, Garfield County, CO, 06-07S-095W | | |
| 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 | | PA 24-6 Pad | | | |
| Site Position: | | Northing: | 1,603,207.00 usft | Latitude: | 39.46203 |
| From: | Map | Easting: | 2,282,588.60 usft | Longitude: | -108.04131 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.200 in | Grid Convergence: | -1.603 ° |

| | | | | | | |
|----------------------|---------------------|-----------|---------------------|-------------------|---------------|---------------|
| Well | PA 333-6 - Slot A01 | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,603,207.00 usft | Latitude: | 39.46203 |
| | +E/-W | 0.00 usft | Easting: | 2,282,588.60 usft | Longitude: | -108.04131 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | | Ground Level: | 5,135.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|----------------------------|--------------------------|--------------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 11/19/2012 | 10.185 | 65.664 | 52,088 |

| | | | | |
|--------------------------|------------------------------------|-------------------------|-------------------------|--------------------------|
| Design | Design #4 26Feb14 kjs | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 43.72 |

| Plan Sections | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | 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 | 0.000 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 878.80 | 30.35 | 43.72 | 843.80 | 141.90 | 135.68 | 4.00 | 4.00 | 0.00 | 43.717 | |
| 3,224.96 | 30.35 | 43.72 | 2,868.39 | 998.76 | 955.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 4,742.56 | 0.00 | 0.00 | 4,316.00 | 1,282.56 | 1,226.36 | 2.00 | -2.00 | 0.00 | 180.000 | |
| 4,842.56 | 0.00 | 0.00 | 4,416.00 | 1,282.56 | 1,226.36 | 0.00 | 0.00 | 0.00 | 0.000 | Top Gas (50 'Radius) |
| 6,952.56 | 0.00 | 0.00 | 6,526.00 | 1,282.56 | 1,226.36 | 0.00 | 0.00 | 0.00 | 0.000 | |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|-----------------------------|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well PA 333-6 - Slot A01 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5160.00usft |
| Project: | PA 06-07S-095W | MD Reference: | KELLY BUSHING @ 5160.00usft |
| Site: | PA 24-6 Pad | North Reference: | True |
| Well: | PA 333-6 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 26Feb14 kjs | | |

| Planned Survey | | | | | | | | | |
|-------------------------------|-----------------|-------------|-----------------------|--------------|--------------|---------------------|--------------------|----------|------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | 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 | 1,603,207.00 | 2,282,588.60 | 39.46203 | -108.04131 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 1,603,207.00 | 2,282,588.60 | 39.46203 | -108.04131 |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 1,603,207.00 | 2,282,588.60 | 39.46203 | -108.04131 |
| Start Build 4.00 | | | | | | | | | |
| 200.00 | 3.20 | 43.72 | 199.96 | 1.61 | 1.54 | 1,603,208.57 | 2,282,590.19 | 39.46203 | -108.04131 |
| 300.00 | 7.20 | 43.72 | 299.53 | 8.16 | 7.81 | 1,603,214.94 | 2,282,596.63 | 39.46205 | -108.04128 |
| 400.00 | 11.20 | 43.72 | 398.22 | 19.72 | 18.85 | 1,603,226.18 | 2,282,608.00 | 39.46208 | -108.04125 |
| 500.00 | 15.20 | 43.72 | 495.56 | 36.22 | 34.63 | 1,603,242.23 | 2,282,624.23 | 39.46213 | -108.04119 |
| 600.00 | 19.20 | 43.72 | 591.07 | 57.59 | 55.06 | 1,603,263.02 | 2,282,645.25 | 39.46218 | -108.04112 |
| 700.00 | 23.20 | 43.72 | 684.28 | 83.72 | 80.05 | 1,603,288.44 | 2,282,670.96 | 39.46226 | -108.04103 |
| 800.00 | 27.20 | 43.72 | 774.74 | 114.49 | 109.47 | 1,603,318.37 | 2,282,701.22 | 39.46234 | -108.04092 |
| 878.80 | 30.35 | 43.72 | 843.80 | 141.90 | 135.68 | 1,603,345.04 | 2,282,728.19 | 39.46242 | -108.04083 |
| Hold 30.35 Inclination | | | | | | | | | |
| 900.00 | 30.35 | 43.72 | 862.10 | 149.64 | 143.08 | 1,603,352.57 | 2,282,735.81 | 39.46244 | -108.04081 |
| 1,000.00 | 30.35 | 43.72 | 948.39 | 186.16 | 178.01 | 1,603,388.10 | 2,282,771.74 | 39.46254 | -108.04068 |
| 1,059.80 | 30.35 | 43.72 | 1,000.00 | 208.00 | 198.89 | 1,603,409.35 | 2,282,793.22 | 39.46260 | -108.04061 |
| 9 5/8" | | | | | | | | | |
| 1,100.00 | 30.35 | 43.72 | 1,034.69 | 222.69 | 212.93 | 1,603,423.63 | 2,282,807.66 | 39.46264 | -108.04056 |
| 1,200.00 | 30.35 | 43.72 | 1,120.98 | 259.21 | 247.85 | 1,603,459.16 | 2,282,843.59 | 39.46274 | -108.04043 |
| 1,300.00 | 30.35 | 43.72 | 1,207.27 | 295.73 | 282.77 | 1,603,494.69 | 2,282,879.52 | 39.46284 | -108.04031 |
| 1,400.00 | 30.35 | 43.72 | 1,293.57 | 332.25 | 317.69 | 1,603,530.22 | 2,282,915.45 | 39.46294 | -108.04019 |
| 1,500.00 | 30.35 | 43.72 | 1,379.86 | 368.77 | 352.62 | 1,603,565.75 | 2,282,951.38 | 39.46304 | -108.04006 |
| 1,600.00 | 30.35 | 43.72 | 1,466.16 | 405.30 | 387.54 | 1,603,601.28 | 2,282,987.30 | 39.46314 | -108.03994 |
| 1,700.00 | 30.35 | 43.72 | 1,552.45 | 441.82 | 422.46 | 1,603,636.80 | 2,283,023.23 | 39.46324 | -108.03982 |
| 1,800.00 | 30.35 | 43.72 | 1,638.74 | 478.34 | 457.38 | 1,603,672.33 | 2,283,059.16 | 39.46334 | -108.03969 |
| 1,825.79 | 30.35 | 43.72 | 1,661.00 | 487.76 | 466.39 | 1,603,681.50 | 2,283,068.43 | 39.46337 | -108.03966 |
| Top of "G" Sand | | | | | | | | | |
| 1,900.00 | 30.35 | 43.72 | 1,725.04 | 514.86 | 492.30 | 1,603,707.86 | 2,283,095.09 | 39.46344 | -108.03957 |
| 1,941.68 | 30.35 | 43.72 | 1,761.00 | 530.08 | 506.86 | 1,603,722.67 | 2,283,110.06 | 39.46348 | -108.03952 |
| Base of "G" Sand | | | | | | | | | |
| 2,000.00 | 30.35 | 43.72 | 1,811.33 | 551.38 | 527.22 | 1,603,743.39 | 2,283,131.02 | 39.46354 | -108.03945 |
| 2,100.00 | 30.35 | 43.72 | 1,897.62 | 587.91 | 562.15 | 1,603,778.92 | 2,283,166.94 | 39.46364 | -108.03932 |
| 2,200.00 | 30.35 | 43.72 | 1,983.92 | 624.43 | 597.07 | 1,603,814.45 | 2,283,202.87 | 39.46374 | -108.03920 |
| 2,300.00 | 30.35 | 43.72 | 2,070.21 | 660.95 | 631.99 | 1,603,849.98 | 2,283,238.80 | 39.46384 | -108.03907 |
| 2,400.00 | 30.35 | 43.72 | 2,156.51 | 697.47 | 666.91 | 1,603,885.51 | 2,283,274.73 | 39.46394 | -108.03895 |
| 2,500.00 | 30.35 | 43.72 | 2,242.80 | 733.99 | 701.83 | 1,603,921.04 | 2,283,310.66 | 39.46404 | -108.03883 |
| 2,600.00 | 30.35 | 43.72 | 2,329.09 | 770.52 | 736.75 | 1,603,956.57 | 2,283,346.59 | 39.46414 | -108.03870 |
| 2,700.00 | 30.35 | 43.72 | 2,415.39 | 807.04 | 771.68 | 1,603,992.10 | 2,283,382.51 | 39.46424 | -108.03858 |
| 2,800.00 | 30.35 | 43.72 | 2,501.68 | 843.56 | 806.60 | 1,604,027.63 | 2,283,418.44 | 39.46434 | -108.03846 |
| 2,900.00 | 30.35 | 43.72 | 2,587.97 | 880.08 | 841.52 | 1,604,063.16 | 2,283,454.37 | 39.46444 | -108.03833 |
| 3,000.00 | 30.35 | 43.72 | 2,674.27 | 916.60 | 876.44 | 1,604,098.69 | 2,283,490.30 | 39.46454 | -108.03821 |
| 3,100.00 | 30.35 | 43.72 | 2,760.56 | 953.13 | 911.36 | 1,604,134.22 | 2,283,526.23 | 39.46464 | -108.03808 |
| 3,200.00 | 30.35 | 43.72 | 2,846.86 | 989.65 | 946.29 | 1,604,169.75 | 2,283,562.15 | 39.46474 | -108.03796 |
| 3,224.96 | 30.35 | 43.72 | 2,868.39 | 998.76 | 955.00 | 1,604,178.61 | 2,283,571.12 | 39.46477 | -108.03793 |
| Start Drop -2.00 | | | | | | | | | |
| 3,300.00 | 28.85 | 43.72 | 2,933.64 | 1,025.55 | 980.62 | 1,604,204.68 | 2,283,597.48 | 39.46484 | -108.03784 |
| 3,400.00 | 26.85 | 43.72 | 3,022.05 | 1,059.32 | 1,012.90 | 1,604,237.52 | 2,283,630.69 | 39.46493 | -108.03772 |
| 3,500.00 | 24.85 | 43.72 | 3,112.04 | 1,090.83 | 1,043.03 | 1,604,268.18 | 2,283,661.69 | 39.46502 | -108.03762 |
| 3,600.00 | 22.85 | 43.72 | 3,203.49 | 1,120.05 | 1,070.98 | 1,604,296.61 | 2,283,690.44 | 39.46510 | -108.03752 |
| 3,700.00 | 20.85 | 43.72 | 3,296.31 | 1,146.95 | 1,096.70 | 1,604,322.78 | 2,283,716.90 | 39.46518 | -108.03743 |
| 3,752.99 | 19.79 | 43.72 | 3,346.00 | 1,160.26 | 1,109.42 | 1,604,335.72 | 2,283,729.99 | 39.46521 | -108.03738 |
| Mesaverde | | | | | | | | | |
| 3,800.00 | 18.85 | 43.72 | 3,390.36 | 1,171.50 | 1,120.17 | 1,604,346.65 | 2,283,741.05 | 39.46524 | -108.03734 |
| 3,900.00 | 16.85 | 43.72 | 3,485.54 | 1,193.65 | 1,141.35 | 1,604,368.20 | 2,283,762.84 | 39.46530 | -108.03727 |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|-----------------------------|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well PA 333-6 - Slot A01 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5160.00usft |
| Project: | PA 06-07S-095W | MD Reference: | KELLY BUSHING @ 5160.00usft |
| Site: | PA 24-6 Pad | North Reference: | True |
| Well: | PA 333-6 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 26Feb14 kjs | | |

| Planned Survey | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|---------------------------|--------------------------|----------|------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude | |
| 4,000.00 | 14.85 | 43.72 | 3,581.73 | 1,213.39 | 1,160.23 | 1,604,387.41 | 2,283,782.26 | 39.46536 | -108.03720 | |
| 4,100.00 | 12.85 | 43.72 | 3,678.82 | 1,230.69 | 1,176.77 | 1,604,404.24 | 2,283,799.28 | 39.46541 | -108.03714 | |
| 4,200.00 | 10.85 | 43.72 | 3,776.68 | 1,245.54 | 1,190.96 | 1,604,418.68 | 2,283,813.88 | 39.46545 | -108.03709 | |
| 4,300.00 | 8.85 | 43.72 | 3,875.20 | 1,257.90 | 1,202.79 | 1,604,430.71 | 2,283,826.04 | 39.46548 | -108.03705 | |
| 4,400.00 | 6.85 | 43.72 | 3,974.26 | 1,267.77 | 1,212.23 | 1,604,440.31 | 2,283,835.76 | 39.46551 | -108.03702 | |
| 4,500.00 | 4.85 | 43.72 | 4,073.73 | 1,275.14 | 1,219.27 | 1,604,447.48 | 2,283,843.00 | 39.46553 | -108.03699 | |
| 4,600.00 | 2.85 | 43.72 | 4,173.50 | 1,280.00 | 1,223.91 | 1,604,452.20 | 2,283,847.78 | 39.46554 | -108.03698 | |
| 4,700.00 | 0.85 | 43.72 | 4,273.45 | 1,282.33 | 1,226.14 | 1,604,454.47 | 2,283,850.08 | 39.46555 | -108.03697 | |
| 4,742.56 | 0.00 | 0.00 | 4,316.00 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| Vertical | | | | | | | | | | |
| 4,800.00 | 0.00 | 0.00 | 4,373.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 4,842.56 | 0.00 | 0.00 | 4,416.00 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| Top Gas - Approx. Top Gas | | | | | | | | | | |
| 4,900.00 | 0.00 | 0.00 | 4,473.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,000.00 | 0.00 | 0.00 | 4,573.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,100.00 | 0.00 | 0.00 | 4,673.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,200.00 | 0.00 | 0.00 | 4,773.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,300.00 | 0.00 | 0.00 | 4,873.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,400.00 | 0.00 | 0.00 | 4,973.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,500.00 | 0.00 | 0.00 | 5,073.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,600.00 | 0.00 | 0.00 | 5,173.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,700.00 | 0.00 | 0.00 | 5,273.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,800.00 | 0.00 | 0.00 | 5,373.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 5,900.00 | 0.00 | 0.00 | 5,473.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,000.00 | 0.00 | 0.00 | 5,573.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,100.00 | 0.00 | 0.00 | 5,673.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,200.00 | 0.00 | 0.00 | 5,773.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,277.56 | 0.00 | 0.00 | 5,851.00 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| Cameo Coals | | | | | | | | | | |
| 6,300.00 | 0.00 | 0.00 | 5,873.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,400.00 | 0.00 | 0.00 | 5,973.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,500.00 | 0.00 | 0.00 | 6,073.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,600.00 | 0.00 | 0.00 | 6,173.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,700.00 | 0.00 | 0.00 | 6,273.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,800.00 | 0.00 | 0.00 | 6,373.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,802.56 | 0.00 | 0.00 | 6,376.00 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| Rollins SS | | | | | | | | | | |
| 6,900.00 | 0.00 | 0.00 | 6,473.44 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| 6,952.56 | 0.00 | 0.00 | 6,526.00 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| TD at 6952.56 - TD | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|----------|------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| Top Gas (50 'Radius) PA | 0.00 | 0.00 | 4,416.00 | 1,282.56 | 1,226.36 | 1,604,454.70 | 2,283,850.30 | 39.46555 | -108.03697 | |
| - hit/miss target | | | | | | | | | | |
| - Shape | | | | | | | | | | |
| - plan hits target center | | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | | |

WPX
Planning Report - Geographic

| | | | |
|------------------|-----------------------|-------------------------------------|-----------------------------|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well PA 333-6 - Slot A01 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5160.00usft |
| Project: | PA 06-07S-095W | MD Reference: | KELLY BUSHING @ 5160.00usft |
| Site: | PA 24-6 Pad | North Reference: | True |
| Well: | PA 333-6 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 26Feb14 kjs | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,059.80 | 1,000.00 | 9 5/8" | 9.625 | 12.250 | |

| Formations | | | | | | |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,825.79 | 1,661.00 | Top of "G" Sand | | | | |
| 1,941.68 | 1,761.00 | Base of "G" Sand | | | | |
| 3,752.99 | 3,346.00 | Mesaverde | | | | |
| 4,842.56 | 4,416.00 | Approx. Top Gas | | | | |
| 6,277.56 | 5,851.00 | Cameo Coals | | | | |
| 6,802.56 | 6,376.00 | Rollins SS | | | | |
| 6,952.56 | 6,526.00 | TD | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 120.00 | 120.00 | 0.00 | 0.00 | Start Build 4.00 | |
| 878.80 | 843.80 | 141.90 | 135.68 | Hold 30.35 Inclination | |
| 3,224.96 | 2,868.39 | 998.76 | 955.00 | Start Drop -2.00 | |
| 4,742.56 | 4,316.00 | 1,282.56 | 1,226.36 | Vertical | |
| 4,842.56 | 4,416.00 | 1,282.56 | 1,226.36 | Top Gas | |
| 6,952.56 | 6,526.00 | 1,282.56 | 1,226.36 | TD at 6952.56 | |