



Piceance Energy, LLC

Mesa County, CO

Piceance 28-05

Piceance 28-05W

Slot B-1

Survey: Survey #1

Survey Report - Geographic

20 October, 2015



Project: Mesa County, CO
Site: Piceance 28-05
Well: Piceance 28-05W
Wellbore: Slot B-1
Design: Design #2
Latitude: 39° 15' 4.220 N
Longitude: 107° 46' 46.810 W
Ground Level: 7556.0
Well @ 7578.0usft

Archer

PROJECT DETAILS: Mesa County, CO

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Piceance 28-05W, True North
Vertical (TVD) Reference: Well @ 7578.0usft
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: Well @ 7578.0usft
Calculation Method: Minimum Curvature

WELL DETAILS: Piceance 28-05W

| | | | | | | | |
|-------|-------|------------|---------------|------------|-----------------|-------------------|------|
| +N/-S | +E/-W | Northing | Ground Level: | 7556.0 | Latitude | Longitude | Slot |
| 0.0 | 0.0 | 1524473.09 | Easting | 2354506.27 | 39° 15' 4.220 N | 107° 46' 46.810 W | |

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|-----------------------------|--------|-------|--------|------------|------------|-----------------|-------------------|-----------------------|
| Piceance Federal 28-05W tgt | 7866.0 | 397.6 | -295.8 | 1524878.01 | 2354220.58 | 39° 15' 8.150 N | 107° 46' 50.570 W | Circle (Radius: 50.0) |

SECTION DETAILS

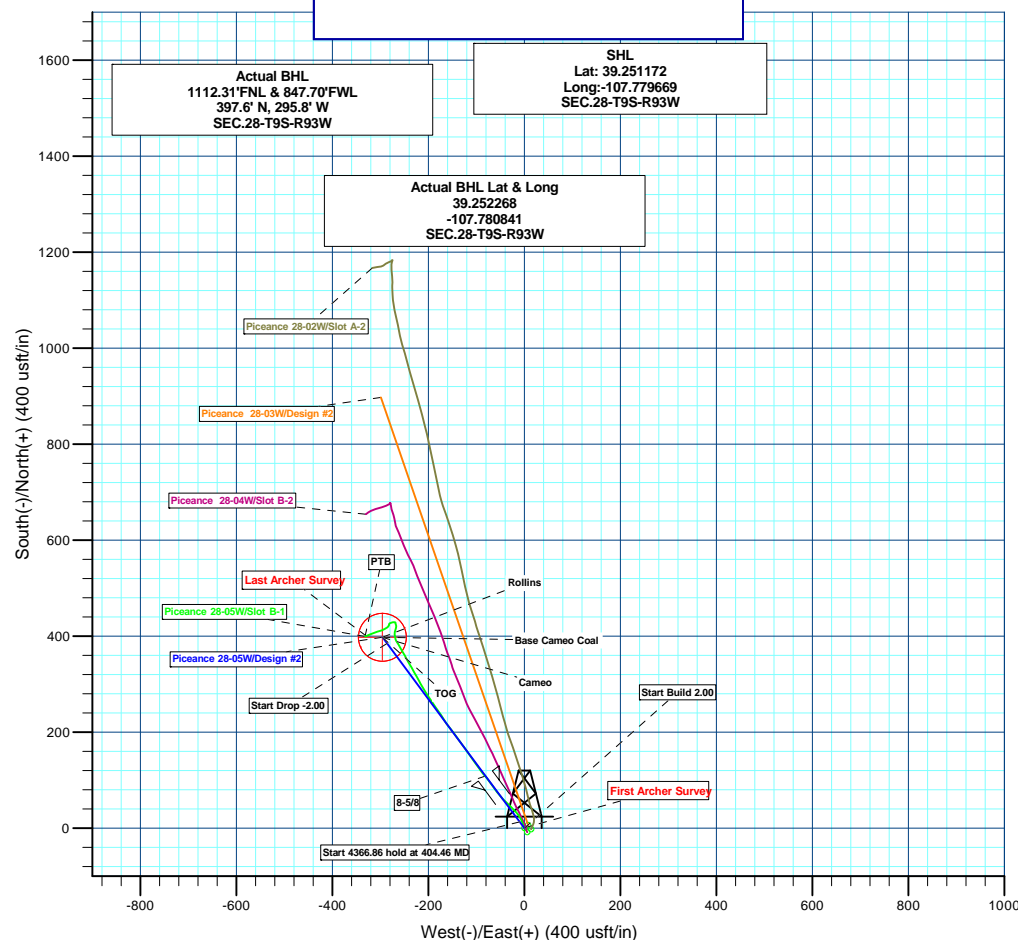
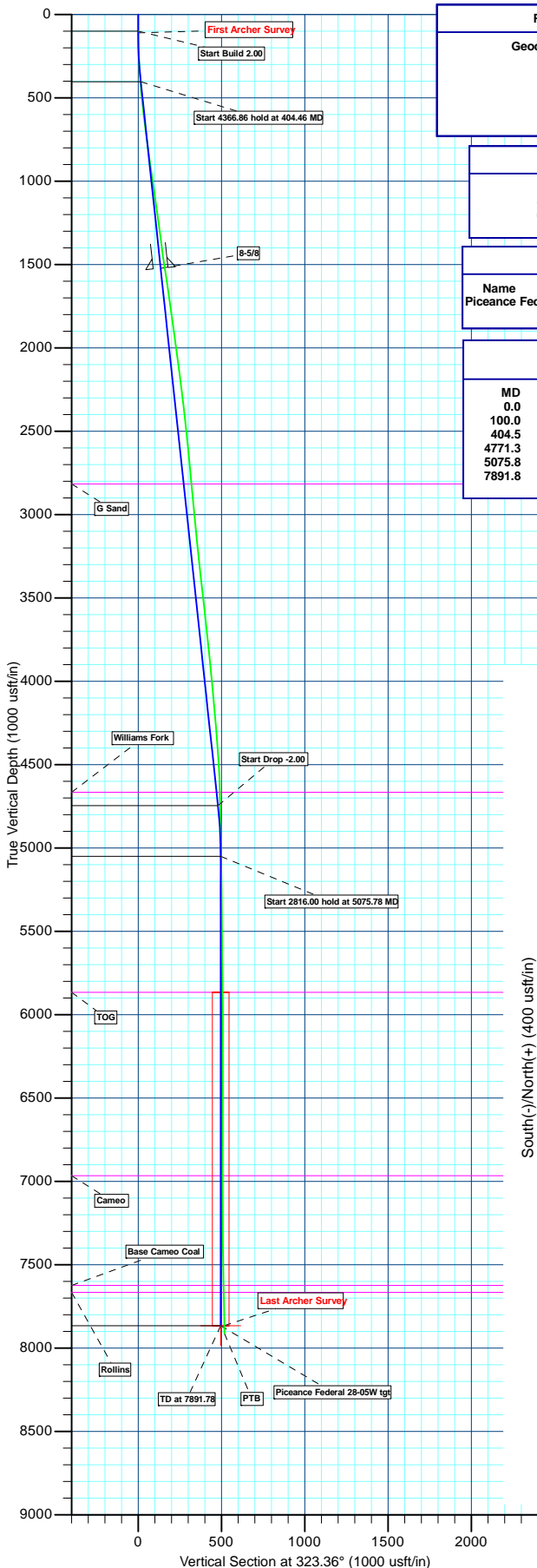
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Annotation |
|--------|------|--------|--------|-------|--------|------|--------|-------|----------------------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Start Build 2.00 |
| 404.5 | 6.09 | 323.36 | 403.9 | 13.0 | -9.6 | 2.00 | 323.36 | 16.2 | Start 4366.86 hold at 404.46 MD |
| 4771.3 | 6.09 | 323.36 | 4746.1 | 384.6 | -286.1 | 0.00 | 0.00 | 479.4 | Start Drop -2.00 |
| 5075.8 | 0.00 | 0.00 | 5050.0 | 397.6 | -295.8 | 2.00 | 180.00 | 495.6 | Start 2816.00 hold at 5075.78 MD |
| 7891.8 | 0.00 | 0.00 | 7866.0 | 397.6 | -295.8 | 0.00 | 0.00 | 495.6 | TD at 7891.78 |



Azimuths to True North
Magnetic North: 9.72°
Magnetic Field
Strength: 51741.9snT
Dip Angle: 65.47°
Date: 2015/04/27
Model: IGRF2010

FORMATION TOP DETAILS

| TVDPATH | MDPATH | Formation |
|---------|--------|-----------------|
| 2816.0 | 2830.3 | G Sand |
| 4666.0 | 4690.8 | Williams Fork |
| 5866.0 | 5891.8 | TOG |
| 6966.0 | 6991.8 | Cameo |
| 7624.0 | 7649.8 | Base Cameo Coal |
| 7666.0 | 7691.8 | Rollins |



Plan: Design #2 (Piceance 28-05W/Slot B-1)

Created By: Ricky Osburn Date: 10:39, October 21 2015



Archer

Survey Report - Geographic

| | | | |
|------------------|----------------------|-------------------------------------|----------------------|
| Company: | Piceance Energy, LLC | Local Co-ordinate Reference: | Well Piceance 28-05W |
| Project: | Mesa County, CO | TVD Reference: | Well @ 7578.00usft |
| Site: | Piceance 28-05 | MD Reference: | Well @ 7578.00usft |
| Well: | Piceance 28-05W | North Reference: | True |
| Wellbore: | Slot B-1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Slot B-1 | Database: | EDMDBBW |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Mesa County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | |
|------------------------------|----------------|---------------------|--------------------|----------------------------------|
| Site | Piceance 28-05 | | | |
| Site Position: | | Northing: | 1,524,375.785 usft | Latitude: 39.250911 |
| From: | Lat/Long | Easting: | 2,354,593.535 usft | Longitude: -107.779353 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16" | Grid Convergence: -1.44 ° |

| | | | | | | |
|----------------------|-----------------|-----------|---------------------|--------------------|---------------|---------------|
| Well | Piceance 28-05W | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,524,473.093 usft | Latitude: | 39.251172 |
| | +E/-W | 0.00 usft | Easting: | 2,354,506.275 usft | Longitude: | -107.779669 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 7,556.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Slot B-1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 2015/04/27 | 9.73 | 65.47 | 51,742 |

| | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|---------------------------|
| Design | Slot B-1 | | | |
| Audit Notes: | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 322.95 |

| | | | | |
|-----------------------|------------------|--------------------------|------------------|--------------------|
| Survey Program | Date | 2015/09/30 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
| 111.00 | 7,943.00 | Survey #1 (Slot B-1) | MWD | MWD - Standard |



Archer

Survey Report - Geographic

| | | | |
|------------------|----------------------|-------------------------------------|----------------------|
| Company: | Piceance Energy, LLC | Local Co-ordinate Reference: | Well Piceance 28-05W |
| Project: | Mesa County, CO | TVD Reference: | Well @ 7578.00usft |
| Site: | Piceance 28-05 | MD Reference: | Well @ 7578.00usft |
| Well: | Piceance 28-05W | North Reference: | True |
| Wellbore: | Slot B-1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Slot B-1 | Database: | EDMDBBW |

| 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 | 1,524,473.093 | 2,354,506.275 | 39.251172 | -107.779669 | |
| First Archer Survey | | | | | | | | | | |
| 111.00 | 0.79 | 344.76 | 111.00 | 0.74 | -0.20 | 1,524,473.836 | 2,354,506.092 | 39.251174 | -107.779670 | |
| 203.00 | 1.54 | 319.80 | 202.98 | 2.29 | -1.17 | 1,524,475.416 | 2,354,505.167 | 39.251178 | -107.779674 | |
| 295.00 | 3.65 | 351.70 | 294.88 | 6.14 | -2.39 | 1,524,479.288 | 2,354,504.043 | 39.251189 | -107.779678 | |
| 388.00 | 4.70 | 332.01 | 387.64 | 12.43 | -4.60 | 1,524,485.636 | 2,354,501.986 | 39.251206 | -107.779686 | |
| 480.00 | 5.19 | 338.26 | 479.30 | 19.62 | -7.91 | 1,524,492.910 | 2,354,498.857 | 39.251226 | -107.779697 | |
| 572.00 | 6.59 | 323.40 | 570.81 | 27.73 | -12.60 | 1,524,501.129 | 2,354,494.372 | 39.251248 | -107.779714 | |
| 664.00 | 6.86 | 315.40 | 662.18 | 35.88 | -19.61 | 1,524,509.453 | 2,354,487.573 | 39.251271 | -107.779739 | |
| 757.00 | 8.04 | 315.49 | 754.40 | 44.47 | -28.07 | 1,524,518.255 | 2,354,479.332 | 39.251294 | -107.779769 | |
| 849.00 | 8.13 | 314.00 | 845.48 | 53.58 | -37.26 | 1,524,527.590 | 2,354,470.374 | 39.251319 | -107.779801 | |
| 941.00 | 7.87 | 314.96 | 936.59 | 62.55 | -46.39 | 1,524,536.786 | 2,354,461.465 | 39.251344 | -107.779833 | |
| 1,033.00 | 8.39 | 322.43 | 1,027.66 | 72.32 | -54.94 | 1,524,546.769 | 2,354,453.164 | 39.251371 | -107.779863 | |
| 1,128.00 | 8.79 | 326.04 | 1,121.60 | 83.83 | -63.22 | 1,524,558.487 | 2,354,445.174 | 39.251402 | -107.779893 | |
| 1,223.00 | 7.69 | 322.17 | 1,215.62 | 94.88 | -71.18 | 1,524,569.724 | 2,354,437.500 | 39.251433 | -107.779921 | |
| 1,318.00 | 7.25 | 320.33 | 1,309.81 | 104.51 | -78.90 | 1,524,579.549 | 2,354,430.020 | 39.251459 | -107.779948 | |
| 1,414.00 | 7.60 | 321.82 | 1,405.01 | 114.16 | -86.69 | 1,524,589.395 | 2,354,422.473 | 39.251486 | -107.779976 | |
| 1,509.00 | 8.66 | 324.46 | 1,499.05 | 124.92 | -94.73 | 1,524,600.351 | 2,354,414.705 | 39.251515 | -107.780004 | |
| 1,601.00 | 8.61 | 325.25 | 1,590.01 | 136.22 | -102.69 | 1,524,611.842 | 2,354,407.039 | 39.251546 | -107.780032 | |
| 1,696.00 | 8.13 | 324.37 | 1,684.00 | 147.52 | -110.65 | 1,524,623.341 | 2,354,399.359 | 39.251577 | -107.780060 | |
| 1,791.00 | 7.87 | 324.37 | 1,778.07 | 158.26 | -118.35 | 1,524,634.277 | 2,354,391.929 | 39.251607 | -107.780087 | |
| 1,886.00 | 7.91 | 325.34 | 1,872.17 | 168.93 | -125.86 | 1,524,645.125 | 2,354,384.692 | 39.251636 | -107.780114 | |
| 1,981.00 | 7.73 | 325.25 | 1,966.29 | 179.55 | -133.22 | 1,524,655.933 | 2,354,377.602 | 39.251665 | -107.780140 | |
| 2,076.00 | 7.60 | 322.96 | 2,060.44 | 189.82 | -140.65 | 1,524,666.380 | 2,354,370.436 | 39.251693 | -107.780166 | |
| 2,170.00 | 7.34 | 321.82 | 2,153.64 | 199.50 | -148.10 | 1,524,676.246 | 2,354,363.225 | 39.251720 | -107.780192 | |
| 2,265.00 | 7.12 | 320.59 | 2,247.89 | 208.82 | -155.59 | 1,524,685.750 | 2,354,355.973 | 39.251746 | -107.780219 | |
| 2,360.00 | 6.42 | 327.80 | 2,342.22 | 217.86 | -162.16 | 1,524,694.955 | 2,354,349.633 | 39.251770 | -107.780242 | |
| 2,455.00 | 6.28 | 326.13 | 2,436.64 | 226.67 | -167.88 | 1,524,703.905 | 2,354,344.130 | 39.251795 | -107.780262 | |
| 2,550.00 | 6.15 | 326.74 | 2,531.08 | 235.24 | -173.57 | 1,524,712.614 | 2,354,338.660 | 39.251818 | -107.780282 | |
| 2,645.00 | 5.84 | 325.51 | 2,625.56 | 243.48 | -179.10 | 1,524,720.989 | 2,354,333.341 | 39.251841 | -107.780302 | |
| 2,739.00 | 5.32 | 325.69 | 2,719.12 | 251.02 | -184.26 | 1,524,728.657 | 2,354,328.367 | 39.251861 | -107.780320 | |
| 2,834.00 | 5.14 | 324.98 | 2,813.72 | 258.14 | -189.19 | 1,524,735.902 | 2,354,323.623 | 39.251881 | -107.780338 | |
| 2,929.00 | 5.05 | 322.61 | 2,908.35 | 264.95 | -194.17 | 1,524,742.832 | 2,354,318.815 | 39.251900 | -107.780355 | |
| 3,024.00 | 6.33 | 329.91 | 3,002.88 | 272.80 | -199.33 | 1,524,750.813 | 2,354,313.848 | 39.251921 | -107.780373 | |
| 3,119.00 | 5.93 | 329.29 | 3,097.34 | 281.55 | -204.47 | 1,524,759.689 | 2,354,308.938 | 39.251945 | -107.780391 | |
| 3,214.00 | 5.67 | 330.26 | 3,191.85 | 289.85 | -209.30 | 1,524,768.102 | 2,354,304.313 | 39.251968 | -107.780409 | |
| 3,309.00 | 5.19 | 326.21 | 3,286.42 | 297.49 | -214.02 | 1,524,775.864 | 2,354,299.789 | 39.251989 | -107.780425 | |
| 3,404.00 | 6.86 | 332.72 | 3,380.90 | 306.11 | -219.01 | 1,524,784.600 | 2,354,295.016 | 39.252013 | -107.780443 | |
| 3,499.00 | 6.72 | 330.26 | 3,475.23 | 315.98 | -224.37 | 1,524,794.600 | 2,354,289.907 | 39.252040 | -107.780462 | |
| 3,593.00 | 6.50 | 329.64 | 3,568.60 | 325.34 | -229.78 | 1,524,804.100 | 2,354,284.727 | 39.252065 | -107.780481 | |
| 3,688.00 | 6.33 | 330.96 | 3,663.01 | 334.56 | -235.04 | 1,524,813.447 | 2,354,279.700 | 39.252091 | -107.780499 | |
| 3,783.00 | 6.02 | 330.35 | 3,757.46 | 343.47 | -240.05 | 1,524,822.478 | 2,354,274.918 | 39.252115 | -107.780517 | |
| 3,878.00 | 5.76 | 330.43 | 3,851.96 | 351.95 | -244.87 | 1,524,831.072 | 2,354,270.315 | 39.252138 | -107.780534 | |
| 3,973.00 | 5.54 | 330.08 | 3,946.50 | 360.07 | -249.51 | 1,524,839.307 | 2,354,265.881 | 39.252161 | -107.780551 | |
| 4,068.00 | 5.36 | 330.96 | 4,041.07 | 367.92 | -253.95 | 1,524,847.269 | 2,354,261.638 | 39.252182 | -107.780566 | |
| 4,163.00 | 5.19 | 330.35 | 4,135.66 | 375.53 | -258.23 | 1,524,854.988 | 2,354,257.551 | 39.252203 | -107.780581 | |
| 4,258.00 | 4.83 | 329.73 | 4,230.30 | 382.72 | -262.37 | 1,524,862.278 | 2,354,253.591 | 39.252223 | -107.780596 | |
| 4,352.00 | 4.75 | 328.15 | 4,323.97 | 389.45 | -266.42 | 1,524,869.101 | 2,354,249.712 | 39.252241 | -107.780610 | |
| 4,447.00 | 4.57 | 351.70 | 4,418.67 | 396.53 | -269.04 | 1,524,876.252 | 2,354,247.269 | 39.252261 | -107.780620 | |
| 4,542.00 | 4.13 | 352.41 | 4,513.39 | 403.67 | -270.04 | 1,524,883.410 | 2,354,246.450 | 39.252280 | -107.780623 | |
| 4,637.00 | 2.15 | 16.58 | 4,608.25 | 408.77 | -269.98 | 1,524,888.507 | 2,354,246.635 | 39.252294 | -107.780623 | |
| 4,732.00 | 2.15 | 18.86 | 4,703.18 | 412.16 | -268.90 | 1,524,891.873 | 2,354,247.804 | 39.252304 | -107.780619 | |
| 4,827.00 | 1.93 | 17.63 | 4,798.12 | 415.37 | -267.84 | 1,524,895.056 | 2,354,248.945 | 39.252313 | -107.780615 | |
| 4,921.00 | 1.63 | 5.15 | 4,892.08 | 418.21 | -267.24 | 1,524,897.880 | 2,354,249.615 | 39.252320 | -107.780613 | |
| 5,016.00 | 1.36 | 359.61 | 4,987.04 | 420.69 | -267.12 | 1,524,900.350 | 2,354,249.791 | 39.252327 | -107.780613 | |



Archer

Survey Report - Geographic

| | | | |
|------------------|----------------------|-------------------------------------|----------------------|
| Company: | Piceance Energy, LLC | Local Co-ordinate Reference: | Well Piceance 28-05W |
| Project: | Mesa County, CO | TVD Reference: | Well @ 7578.00usft |
| Site: | Piceance 28-05 | MD Reference: | Well @ 7578.00usft |
| Well: | Piceance 28-05W | North Reference: | True |
| Wellbore: | Slot B-1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Slot B-1 | Database: | EDMDBBW |

| Survey | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|---------------------------|--------------------------|-----------|-------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude | |
| 5,111.00 | 1.19 | 348.98 | 5,082.02 | 422.78 | -267.32 | 1,524,902.450 | 2,354,249.647 | 39.252333 | -107.780613 | |
| 5,206.00 | 0.97 | 342.39 | 5,177.00 | 424.52 | -267.75 | 1,524,904.195 | 2,354,249.259 | 39.252338 | -107.780615 | |
| 5,301.00 | 0.75 | 356.62 | 5,271.99 | 425.90 | -268.03 | 1,524,905.588 | 2,354,249.014 | 39.252342 | -107.780616 | |
| 5,396.00 | 0.44 | 339.57 | 5,366.99 | 426.87 | -268.20 | 1,524,906.555 | 2,354,248.874 | 39.252344 | -107.780617 | |
| 5,491.00 | 0.48 | 337.46 | 5,461.99 | 427.58 | -268.48 | 1,524,907.271 | 2,354,248.612 | 39.252346 | -107.780618 | |
| 5,586.00 | 0.40 | 333.07 | 5,556.98 | 428.24 | -268.78 | 1,524,907.942 | 2,354,248.326 | 39.252348 | -107.780619 | |
| 5,681.00 | 0.40 | 306.35 | 5,651.98 | 428.73 | -269.20 | 1,524,908.444 | 2,354,247.921 | 39.252349 | -107.780620 | |
| 5,775.00 | 0.57 | 259.68 | 5,745.98 | 428.84 | -269.92 | 1,524,908.573 | 2,354,247.200 | 39.252350 | -107.780623 | |
| 5,869.00 | 1.10 | 277.43 | 5,839.97 | 428.88 | -271.27 | 1,524,908.640 | 2,354,245.847 | 39.252350 | -107.780627 | |
| 5,964.00 | 1.23 | 265.66 | 5,934.95 | 428.92 | -273.20 | 1,524,908.729 | 2,354,243.927 | 39.252350 | -107.780634 | |
| 6,059.00 | 1.32 | 258.27 | 6,029.92 | 428.62 | -275.28 | 1,524,908.482 | 2,354,241.832 | 39.252349 | -107.780642 | |
| 6,154.00 | 1.71 | 249.57 | 6,124.89 | 427.90 | -277.68 | 1,524,907.825 | 2,354,239.416 | 39.252347 | -107.780650 | |
| 6,249.00 | 2.11 | 239.47 | 6,219.84 | 426.52 | -280.52 | 1,524,906.513 | 2,354,236.547 | 39.252343 | -107.780660 | |
| 6,344.00 | 0.75 | 174.60 | 6,314.81 | 425.01 | -281.97 | 1,524,905.042 | 2,354,235.062 | 39.252339 | -107.780665 | |
| 6,439.00 | 0.88 | 184.89 | 6,409.80 | 423.66 | -281.97 | 1,524,903.697 | 2,354,235.024 | 39.252335 | -107.780665 | |
| 6,534.00 | 0.92 | 208.44 | 6,504.79 | 422.27 | -282.39 | 1,524,902.311 | 2,354,234.564 | 39.252332 | -107.780667 | |
| 6,628.00 | 1.01 | 214.59 | 6,598.78 | 420.92 | -283.22 | 1,524,900.986 | 2,354,233.701 | 39.252328 | -107.780670 | |
| 6,723.00 | 1.10 | 226.19 | 6,693.76 | 419.60 | -284.36 | 1,524,899.695 | 2,354,232.534 | 39.252324 | -107.780674 | |
| 6,818.00 | 1.14 | 228.83 | 6,788.74 | 418.35 | -285.73 | 1,524,898.476 | 2,354,231.134 | 39.252321 | -107.780678 | |
| 6,913.00 | 1.36 | 243.86 | 6,883.72 | 417.23 | -287.45 | 1,524,897.401 | 2,354,229.383 | 39.252318 | -107.780685 | |
| 7,008.00 | 1.14 | 248.87 | 6,978.70 | 416.39 | -289.34 | 1,524,896.611 | 2,354,227.469 | 39.252315 | -107.780691 | |
| 7,103.00 | 1.32 | 238.15 | 7,073.68 | 415.47 | -291.16 | 1,524,895.739 | 2,354,225.636 | 39.252313 | -107.780698 | |
| 7,198.00 | 1.67 | 231.82 | 7,168.64 | 414.04 | -293.17 | 1,524,894.357 | 2,354,223.583 | 39.252309 | -107.780705 | |
| 7,293.00 | 1.89 | 241.31 | 7,263.60 | 412.43 | -295.64 | 1,524,892.811 | 2,354,221.081 | 39.252305 | -107.780713 | |
| 7,388.00 | 2.46 | 252.83 | 7,358.53 | 411.08 | -298.96 | 1,524,891.541 | 2,354,217.726 | 39.252301 | -107.780725 | |
| 7,482.00 | 3.30 | 259.77 | 7,452.41 | 410.00 | -303.55 | 1,524,890.581 | 2,354,213.110 | 39.252298 | -107.780741 | |
| 7,577.00 | 3.87 | 251.24 | 7,547.22 | 408.48 | -309.27 | 1,524,889.208 | 2,354,207.347 | 39.252294 | -107.780762 | |
| 7,672.00 | 3.91 | 248.08 | 7,642.01 | 406.24 | -315.31 | 1,524,887.120 | 2,354,201.252 | 39.252288 | -107.780783 | |
| 7,767.00 | 3.91 | 246.50 | 7,736.78 | 403.74 | -321.29 | 1,524,884.770 | 2,354,195.216 | 39.252281 | -107.780804 | |
| 7,862.00 | 3.69 | 246.41 | 7,831.58 | 401.23 | -327.06 | 1,524,882.401 | 2,354,189.383 | 39.252274 | -107.780824 | |
| Piceance Federal 28-05W tgt | | | | | | | | | | |
| 7,894.60 | 3.65 | 247.34 | 7,864.11 | 400.41 | -328.98 | 1,524,881.630 | 2,354,187.444 | 39.252272 | -107.780831 | |
| Last Archer Survey | | | | | | | | | | |
| 7,896.00 | 3.65 | 247.38 | 7,865.51 | 400.37 | -329.06 | 1,524,881.597 | 2,354,187.361 | 39.252271 | -107.780831 | |
| PTB | | | | | | | | | | |
| 7,943.00 | 3.65 | 247.38 | 7,912.41 | 399.22 | -331.83 | 1,524,880.516 | 2,354,184.571 | 39.252268 | -107.780841 | |

| Survey Annotations | | | | | |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 111.00 | 111.00 | 0.74 | -0.20 | First Archer Survey | |
| 7,896.00 | 7,865.51 | 400.37 | -329.06 | Last Archer Survey | |
| 7,943.00 | 7,912.41 | 399.22 | -331.83 | PTB | |

Checked By: _____ Approved By: _____ Date: _____