



Piceance Energy, LLC

Mesa County, CO

Piceance 28-05

Piceance 28-06W

Slot B-3

Survey: Survey #1

Survey Report - Geographic

20 October, 2015



Project: Mesa County, CO
Site: Piceance 28-05
Well: Piceance 28-06W
Wellbore: Slot B-3
Design: Design #2
Latitude: 39° 15' 3.990 N
Longitude: 107° 46' 46.570 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 28-06W, 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 28-06W

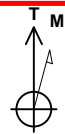
| +N/-S | +E/-W | Northing | Ground Level: Easting | Latitude | Longitude | Slot |
|-------|-------|------------|--------------------------|-----------------|-------------------|------|
| 0.0 | 0.0 | 1524449.36 | 2354524.56 | 39° 15' 3.990 N | 107° 46' 46.570 W | |

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

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|---------------------|--------|-------|--------|------------|------------|-----------------|-------------------|-----------------------|
| Piceance 28-06W tgt | 7858.0 | 171.0 | -313.1 | 1524628.15 | 2354215.88 | 39° 15' 5.680 N | 107° 46' 50.550 W | Circle (Radius: 50.0) |

SECTION DETAILS

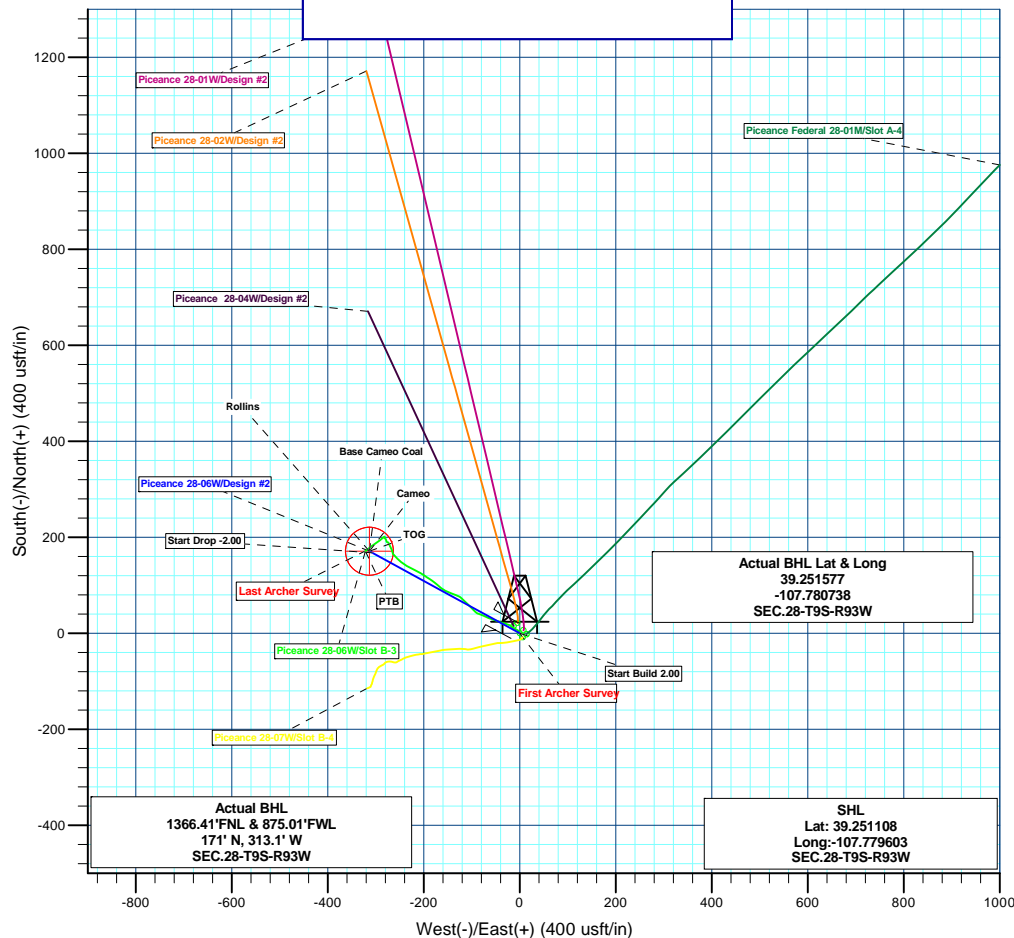
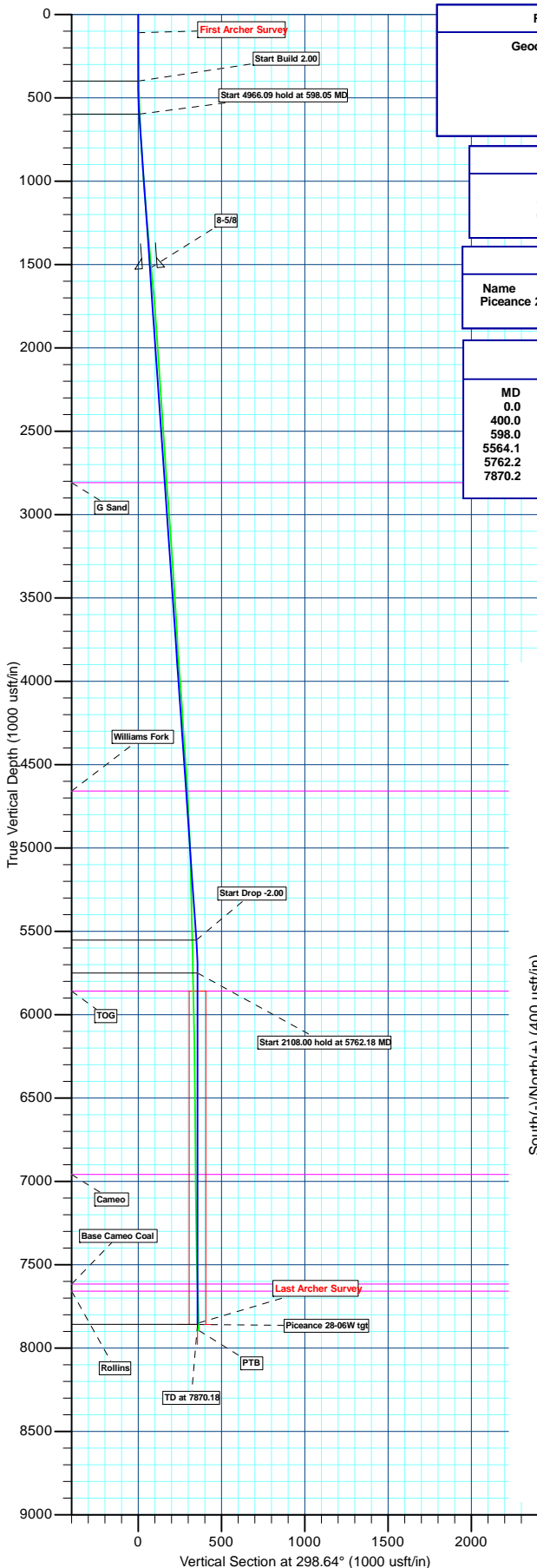
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Annotation |
|--------|------|--------|--------|-------|--------|------|--------|-------|----------------------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Start Build 2.00 |
| 598.0 | 3.96 | 298.64 | 597.9 | 3.3 | -6.0 | 2.00 | 298.64 | 6.8 | Start 4966.09 hold at 598.05 MD |
| 5564.1 | 3.96 | 298.64 | 5552.1 | 167.7 | -307.1 | 0.00 | 0.00 | 349.9 | Start Drop -2.00 |
| 5762.2 | 0.00 | 0.00 | 5750.0 | 171.0 | -313.1 | 2.00 | 180.00 | 356.7 | Start 2108.00 hold at 5762.18 MD |
| 7870.2 | 0.00 | 0.00 | 7858.0 | 171.0 | -313.1 | 0.00 | 0.00 | 356.7 | TD at 7870.18 |



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 |
|---------|--------|-----------------|
| 2808.0 | 2813.4 | G Sand |
| 4658.0 | 4667.9 | Williams Fork |
| 5858.0 | 5870.2 | TOG |
| 6958.0 | 6970.2 | Cameo |
| 7616.0 | 7628.2 | Base Cameo Coal |
| 7658.0 | 7670.2 | Rollins |



Plan: Design #2 (Piceance 28-06W/Slot B-3)

Created By: Ricky Osburn Date: 10:41, October 21 2015



Archer

Survey Report - Geographic

| | | | |
|------------------|----------------------|-------------------------------------|----------------------|
| Company: | Piceance Energy, LLC | Local Co-ordinate Reference: | Well Piceance 28-06W |
| Project: | Mesa County, CO | TVD Reference: | Well @ 7578.00usft |
| Site: | Piceance 28-05 | MD Reference: | Well @ 7578.00usft |
| Well: | Piceance 28-06W | North Reference: | True |
| Wellbore: | Slot B-3 | Survey Calculation Method: | Minimum Curvature |
| Design: | Slot B-3 | 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 28-06W | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,524,449.357 usft |
| | +E/-W | 0.00 usft | Easting: | 2,354,524.563 usft |
| Position Uncertainty | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: 7,556.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Slot B-3 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 2015/04/27 | 9.73 | 65.47 | 51,742 |

| | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|---------------------------|
| Design | Slot B-3 | | | |
| 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 | 314.59 |

| | | | | |
|-----------------------|------------------|--------------------------|------------------|--------------------|
| Survey Program | Date | 2015/09/13 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
| 110.00 | 7,908.00 | Survey #1 (Slot B-3) | MWD | MWD - Standard |



Archer

Survey Report - Geographic

| | | | |
|------------------|----------------------|-------------------------------------|----------------------|
| Company: | Piceance Energy, LLC | Local Co-ordinate Reference: | Well Piceance 28-06W |
| Project: | Mesa County, CO | TVD Reference: | Well @ 7578.00usft |
| Site: | Piceance 28-05 | MD Reference: | Well @ 7578.00usft |
| Well: | Piceance 28-06W | North Reference: | True |
| Wellbore: | Slot B-3 | Survey Calculation Method: | Minimum Curvature |
| Design: | Slot B-3 | 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 | 1,524,449.357 | 2,354,524.563 | 39.251108 | -107.779603 | |
| First Archer Survey | | | | | | | | | | |
| 110.00 | 0.26 | 299.86 | 110.00 | 0.12 | -0.22 | 1,524,449.486 | 2,354,524.350 | 39.251109 | -107.779604 | |
| 202.00 | 0.57 | 329.83 | 202.00 | 0.62 | -0.63 | 1,524,449.996 | 2,354,523.952 | 39.251110 | -107.779605 | |
| 294.00 | 1.05 | 337.03 | 293.99 | 1.80 | -1.19 | 1,524,451.182 | 2,354,523.422 | 39.251113 | -107.779607 | |
| 386.00 | 1.41 | 323.59 | 385.97 | 3.48 | -2.19 | 1,524,452.893 | 2,354,522.464 | 39.251118 | -107.779611 | |
| 479.00 | 1.10 | 340.90 | 478.94 | 5.25 | -3.16 | 1,524,454.681 | 2,354,521.538 | 39.251123 | -107.779614 | |
| 571.00 | 2.55 | 297.92 | 570.90 | 7.04 | -5.26 | 1,524,456.526 | 2,354,519.486 | 39.251128 | -107.779621 | |
| 663.00 | 2.99 | 296.69 | 662.79 | 9.08 | -9.21 | 1,524,458.661 | 2,354,515.586 | 39.251133 | -107.779635 | |
| 755.00 | 3.38 | 305.22 | 754.65 | 11.72 | -13.57 | 1,524,461.411 | 2,354,511.294 | 39.251140 | -107.779651 | |
| 848.00 | 3.47 | 305.31 | 847.48 | 14.93 | -18.10 | 1,524,464.732 | 2,354,506.840 | 39.251149 | -107.779667 | |
| 940.00 | 4.35 | 293.53 | 939.27 | 17.93 | -23.58 | 1,524,467.871 | 2,354,501.446 | 39.251158 | -107.779686 | |
| 1,032.00 | 4.52 | 286.94 | 1,030.99 | 20.38 | -30.24 | 1,524,470.486 | 2,354,494.842 | 39.251164 | -107.779710 | |
| 1,127.00 | 5.19 | 287.20 | 1,125.65 | 22.74 | -37.93 | 1,524,473.040 | 2,354,487.218 | 39.251171 | -107.779737 | |
| 1,222.00 | 5.14 | 284.74 | 1,220.27 | 25.09 | -46.15 | 1,524,475.599 | 2,354,479.060 | 39.251177 | -107.779766 | |
| 1,317.00 | 4.66 | 291.33 | 1,314.92 | 27.58 | -53.86 | 1,524,478.278 | 2,354,471.414 | 39.251184 | -107.779793 | |
| 1,412.00 | 4.75 | 291.16 | 1,409.60 | 30.40 | -61.12 | 1,524,481.283 | 2,354,464.225 | 39.251192 | -107.779819 | |
| 1,508.00 | 5.67 | 294.32 | 1,505.20 | 33.79 | -69.15 | 1,524,484.871 | 2,354,456.284 | 39.251201 | -107.779847 | |
| 1,533.00 | 5.19 | 295.81 | 1,530.09 | 34.79 | -71.29 | 1,524,485.925 | 2,354,454.166 | 39.251204 | -107.779855 | |
| 1,602.00 | 5.41 | 291.07 | 1,598.80 | 37.32 | -77.14 | 1,524,488.599 | 2,354,448.387 | 39.251211 | -107.779875 | |
| 1,697.00 | 5.58 | 289.31 | 1,693.36 | 40.46 | -85.68 | 1,524,491.950 | 2,354,439.930 | 39.251219 | -107.779905 | |
| 1,791.00 | 4.39 | 315.41 | 1,787.01 | 44.53 | -92.52 | 1,524,496.194 | 2,354,433.195 | 39.251231 | -107.779929 | |
| 1,886.00 | 4.04 | 317.17 | 1,881.76 | 49.57 | -97.34 | 1,524,501.357 | 2,354,428.495 | 39.251244 | -107.779947 | |
| 1,981.00 | 4.48 | 316.47 | 1,976.49 | 54.72 | -102.17 | 1,524,506.621 | 2,354,423.795 | 39.251259 | -107.779964 | |
| 2,076.00 | 3.69 | 314.01 | 2,071.25 | 59.53 | -106.93 | 1,524,511.553 | 2,354,419.164 | 39.251272 | -107.779980 | |
| 2,171.00 | 4.09 | 311.37 | 2,166.03 | 63.90 | -111.67 | 1,524,516.034 | 2,354,414.533 | 39.251284 | -107.779997 | |
| 2,266.00 | 4.00 | 315.41 | 2,260.80 | 68.49 | -116.54 | 1,524,520.753 | 2,354,409.782 | 39.251296 | -107.780014 | |
| 2,361.00 | 3.87 | 315.50 | 2,355.57 | 73.14 | -121.11 | 1,524,525.513 | 2,354,405.327 | 39.251309 | -107.780030 | |
| 2,456.00 | 4.17 | 291.77 | 2,450.35 | 76.71 | -126.57 | 1,524,529.216 | 2,354,399.963 | 39.251319 | -107.780050 | |
| 2,550.00 | 3.60 | 294.58 | 2,544.13 | 79.20 | -132.42 | 1,524,531.858 | 2,354,394.170 | 39.251326 | -107.780070 | |
| 2,645.00 | 3.43 | 290.36 | 2,638.95 | 81.43 | -137.80 | 1,524,534.221 | 2,354,388.851 | 39.251332 | -107.780089 | |
| 2,740.00 | 4.00 | 291.07 | 2,733.75 | 83.61 | -143.56 | 1,524,536.545 | 2,354,383.151 | 39.251338 | -107.780110 | |
| 2,835.00 | 4.39 | 295.02 | 2,828.50 | 86.34 | -149.94 | 1,524,539.433 | 2,354,376.835 | 39.251345 | -107.780132 | |
| 2,930.00 | 4.22 | 294.94 | 2,923.23 | 89.35 | -156.41 | 1,524,542.606 | 2,354,370.448 | 39.251354 | -107.780155 | |
| 3,025.00 | 4.44 | 310.93 | 3,017.96 | 93.24 | -162.35 | 1,524,546.637 | 2,354,364.600 | 39.251364 | -107.780176 | |
| 3,119.00 | 4.09 | 309.44 | 3,111.70 | 97.75 | -167.69 | 1,524,551.283 | 2,354,359.377 | 39.251377 | -107.780195 | |
| 3,214.00 | 3.91 | 310.05 | 3,206.47 | 101.99 | -172.79 | 1,524,555.646 | 2,354,354.389 | 39.251388 | -107.780213 | |
| 3,309.00 | 4.09 | 310.76 | 3,301.24 | 106.28 | -177.83 | 1,524,560.067 | 2,354,349.453 | 39.251400 | -107.780231 | |
| 3,404.00 | 3.78 | 302.05 | 3,396.01 | 110.16 | -183.05 | 1,524,564.071 | 2,354,344.331 | 39.251411 | -107.780249 | |
| 3,499.00 | 3.43 | 301.18 | 3,490.83 | 113.29 | -188.14 | 1,524,567.330 | 2,354,339.326 | 39.251419 | -107.780267 | |
| 3,594.00 | 3.82 | 303.81 | 3,585.64 | 116.52 | -193.20 | 1,524,570.689 | 2,354,334.348 | 39.251428 | -107.780285 | |
| 3,689.00 | 3.21 | 303.02 | 3,680.46 | 119.73 | -198.06 | 1,524,574.020 | 2,354,329.570 | 39.251437 | -107.780302 | |
| 3,784.00 | 2.77 | 307.94 | 3,775.33 | 122.59 | -202.10 | 1,524,576.981 | 2,354,325.603 | 39.251445 | -107.780316 | |
| 3,879.00 | 4.48 | 297.75 | 3,870.13 | 125.73 | -207.19 | 1,524,580.247 | 2,354,320.589 | 39.251453 | -107.780334 | |
| 3,973.00 | 4.35 | 297.75 | 3,963.86 | 129.10 | -213.60 | 1,524,583.776 | 2,354,314.271 | 39.251463 | -107.780357 | |
| 4,068.00 | 4.09 | 295.55 | 4,058.60 | 132.24 | -219.84 | 1,524,587.070 | 2,354,308.107 | 39.251471 | -107.780379 | |
| 4,163.00 | 4.17 | 299.15 | 4,153.35 | 135.38 | -225.92 | 1,524,590.365 | 2,354,302.115 | 39.251480 | -107.780401 | |
| 4,258.00 | 3.08 | 292.03 | 4,248.16 | 138.02 | -231.30 | 1,524,593.139 | 2,354,296.800 | 39.251487 | -107.780420 | |
| 4,353.00 | 3.87 | 302.41 | 4,342.99 | 140.70 | -236.37 | 1,524,595.941 | 2,354,291.796 | 39.251495 | -107.780437 | |
| 4,448.00 | 4.04 | 306.80 | 4,437.76 | 144.42 | -241.76 | 1,524,599.798 | 2,354,286.505 | 39.251505 | -107.780457 | |
| 4,543.00 | 3.82 | 309.61 | 4,532.54 | 148.44 | -246.88 | 1,524,603.948 | 2,354,281.490 | 39.251516 | -107.780475 | |
| 4,637.00 | 4.00 | 309.09 | 4,626.32 | 152.51 | -251.83 | 1,524,608.134 | 2,354,276.636 | 39.251527 | -107.780492 | |
| 4,732.00 | 2.86 | 319.72 | 4,721.15 | 156.40 | -255.94 | 1,524,612.134 | 2,354,272.631 | 39.251538 | -107.780507 | |
| 4,827.00 | 2.86 | 321.48 | 4,816.03 | 160.07 | -258.95 | 1,524,615.870 | 2,354,269.716 | 39.251548 | -107.780517 | |
| 4,922.00 | 2.90 | 310.14 | 4,910.91 | 163.47 | -262.26 | 1,524,619.356 | 2,354,266.489 | 39.251557 | -107.780529 | |



Archer

Survey Report - Geographic

| | | | |
|------------------|----------------------|-------------------------------------|----------------------|
| Company: | Piceance Energy, LLC | Local Co-ordinate Reference: | Well Piceance 28-06W |
| Project: | Mesa County, CO | TVD Reference: | Well @ 7578.00usft |
| Site: | Piceance 28-05 | MD Reference: | Well @ 7578.00usft |
| Well: | Piceance 28-06W | North Reference: | True |
| Wellbore: | Slot B-3 | Survey Calculation Method: | Minimum Curvature |
| Design: | Slot B-3 | 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 | |
| 5,017.00 | 2.37 | 347.23 | 5,005.82 | 166.94 | -264.53 | 1,524,622.877 | 2,354,264.305 | 39.251567 | -107.780537 | |
| 5,111.00 | 2.07 | 341.17 | 5,099.75 | 170.44 | -265.51 | 1,524,626.403 | 2,354,263.416 | 39.251576 | -107.780540 | |
| 5,206.00 | 2.02 | 334.57 | 5,194.68 | 173.57 | -266.78 | 1,524,629.570 | 2,354,262.222 | 39.251585 | -107.780545 | |
| 5,301.00 | 1.71 | 345.65 | 5,289.63 | 176.46 | -267.85 | 1,524,632.481 | 2,354,261.225 | 39.251593 | -107.780549 | |
| 5,396.00 | 1.36 | 337.39 | 5,384.60 | 178.87 | -268.64 | 1,524,634.914 | 2,354,260.501 | 39.251599 | -107.780551 | |
| 5,491.00 | 1.54 | 315.77 | 5,479.57 | 180.83 | -269.96 | 1,524,636.902 | 2,354,259.226 | 39.251605 | -107.780556 | |
| 5,586.00 | 1.80 | 342.57 | 5,574.53 | 183.17 | -271.30 | 1,524,639.273 | 2,354,257.948 | 39.251611 | -107.780561 | |
| 5,681.00 | 1.80 | 340.29 | 5,669.48 | 186.00 | -272.25 | 1,524,642.124 | 2,354,257.069 | 39.251619 | -107.780564 | |
| 5,775.00 | 1.01 | 338.35 | 5,763.46 | 188.15 | -273.05 | 1,524,644.303 | 2,354,256.320 | 39.251625 | -107.780567 | |
| 5,870.00 | 0.92 | 300.91 | 5,858.44 | 189.32 | -274.01 | 1,524,645.497 | 2,354,255.386 | 39.251628 | -107.780570 | |
| 5,965.00 | 1.36 | 277.09 | 5,953.42 | 189.86 | -275.79 | 1,524,646.072 | 2,354,253.627 | 39.251630 | -107.780577 | |
| 6,060.00 | 1.85 | 347.49 | 6,048.40 | 191.49 | -277.24 | 1,524,647.745 | 2,354,252.218 | 39.251634 | -107.780582 | |
| 6,155.00 | 1.54 | 329.39 | 6,143.35 | 194.09 | -278.22 | 1,524,650.364 | 2,354,251.301 | 39.251641 | -107.780585 | |
| 6,249.00 | 1.10 | 350.48 | 6,237.33 | 196.06 | -279.01 | 1,524,652.361 | 2,354,250.558 | 39.251647 | -107.780588 | |
| 6,344.00 | 0.70 | 309.52 | 6,332.32 | 197.33 | -279.61 | 1,524,653.644 | 2,354,249.992 | 39.251650 | -107.780590 | |
| 6,439.00 | 0.75 | 279.73 | 6,427.31 | 197.81 | -280.67 | 1,524,654.145 | 2,354,248.944 | 39.251651 | -107.780594 | |
| 6,534.00 | 1.32 | 349.25 | 6,522.30 | 198.99 | -281.49 | 1,524,655.345 | 2,354,248.157 | 39.251655 | -107.780597 | |
| 6,629.00 | 0.53 | 19.13 | 6,617.29 | 200.48 | -281.55 | 1,524,656.836 | 2,354,248.134 | 39.251659 | -107.780597 | |
| 6,723.00 | 0.62 | 310.40 | 6,711.28 | 201.22 | -281.79 | 1,524,657.582 | 2,354,247.908 | 39.251661 | -107.780598 | |
| 6,818.00 | 0.83 | 211.00 | 6,806.28 | 200.96 | -282.54 | 1,524,657.344 | 2,354,247.156 | 39.251660 | -107.780601 | |
| 6,914.00 | 1.14 | 227.44 | 6,902.26 | 199.72 | -283.60 | 1,524,656.130 | 2,354,246.063 | 39.251657 | -107.780604 | |
| 7,008.00 | 1.05 | 223.30 | 6,996.25 | 198.46 | -284.88 | 1,524,654.903 | 2,354,244.753 | 39.251653 | -107.780609 | |
| 7,104.00 | 2.07 | 231.74 | 7,092.21 | 196.75 | -286.84 | 1,524,653.239 | 2,354,242.746 | 39.251648 | -107.780616 | |
| 7,199.00 | 2.02 | 239.48 | 7,187.15 | 194.83 | -289.63 | 1,524,651.397 | 2,354,239.909 | 39.251643 | -107.780626 | |
| 7,293.00 | 2.20 | 232.18 | 7,281.09 | 192.89 | -292.49 | 1,524,649.521 | 2,354,237.009 | 39.251638 | -107.780636 | |
| 7,388.00 | 2.68 | 235.26 | 7,376.00 | 190.50 | -295.75 | 1,524,647.220 | 2,354,233.684 | 39.251631 | -107.780647 | |
| 7,483.00 | 2.77 | 238.16 | 7,470.89 | 188.03 | -299.53 | 1,524,644.839 | 2,354,229.848 | 39.251625 | -107.780661 | |
| 7,578.00 | 3.91 | 229.37 | 7,565.73 | 184.71 | -303.94 | 1,524,641.630 | 2,354,225.358 | 39.251615 | -107.780676 | |
| 7,673.00 | 4.31 | 232.80 | 7,660.49 | 180.44 | -309.24 | 1,524,637.497 | 2,354,219.951 | 39.251604 | -107.780695 | |
| 7,767.00 | 3.91 | 237.28 | 7,754.24 | 176.57 | -314.75 | 1,524,633.769 | 2,354,214.346 | 39.251593 | -107.780714 | |
| Last Archer Survey - Piceance 28-06W tgt | | | | | | | | | | |
| 7,862.00 | 3.52 | 225.68 | 7,849.04 | 172.78 | -319.56 | 1,524,630.102 | 2,354,209.440 | 39.251583 | -107.780731 | |
| PTB | | | | | | | | | | |
| 7,908.00 | 3.52 | 225.68 | 7,894.96 | 170.81 | -321.58 | 1,524,628.180 | 2,354,207.371 | 39.251577 | -107.780738 | |

| Survey Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|---------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 110.00 | 110.00 | 0.12 | -0.22 | First Archer Survey | |
| 7,862.00 | 7,849.04 | 172.78 | -319.56 | Last Archer Survey | |
| 7,908.00 | 7,894.96 | 170.81 | -321.58 | PTB | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|