



ANTERO RESOURCES CORPORATION



Location: Tyler County, WV
 Field: Tyler
 Facility: Thin Air Pad

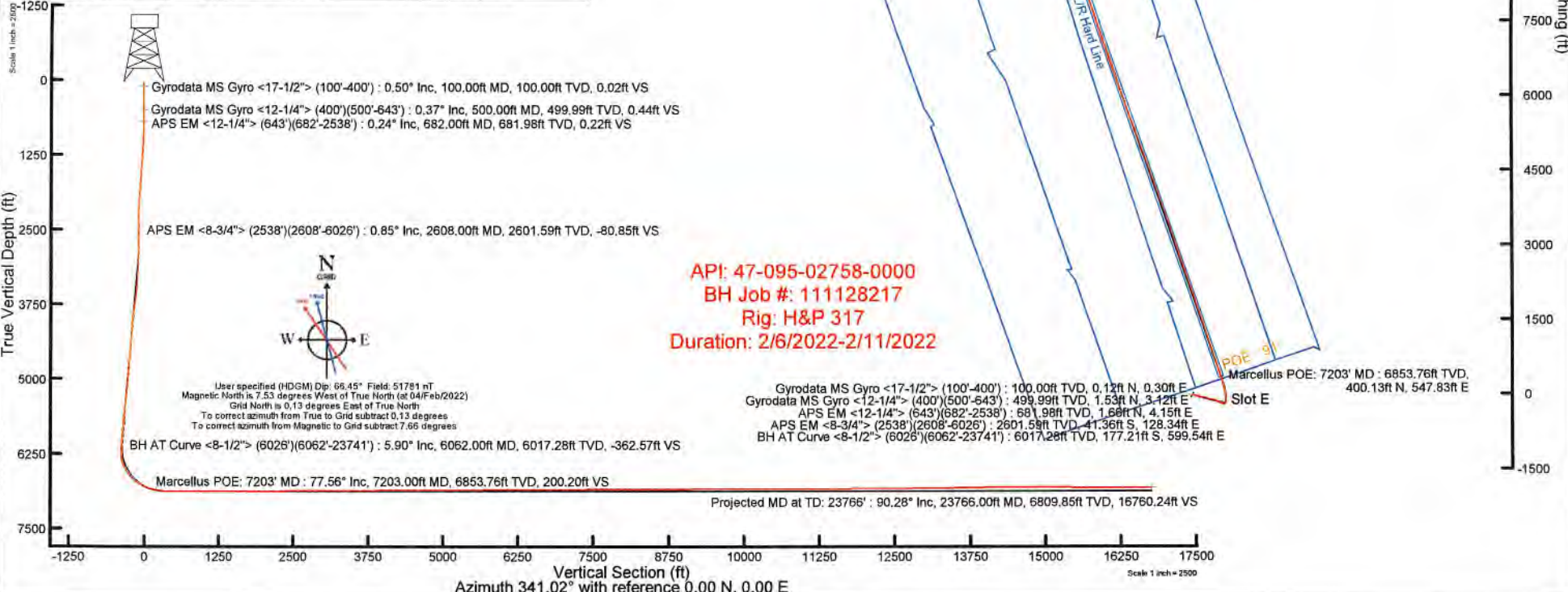
Slot: Slot E
 Well: Purple Unit 1H
 Wellbore: Purple Unit 1H PWB

| | |
|--|--|
| Plot reference wellpath is Purple Unit 1H PWP Rev-C.0 | Grid System: NAD27 / UTM Zone 17 North, US Feet |
| True vertical depths are referenced to H&P 317 (RKB) | North Reference: Grid north |
| Reference wellpath measured depths are referenced to H&P 317 (RKB) | Scale: True distance |
| H&P 317 (RKB) to Mean Sea Level: 1225.5 feet | Coordinates are in feet referenced to Skid |
| Mean Sea Level to Ground level (At Slot Slot E): -1200 feet | Depths are in feet |
| Other wellpath MDs are referenced to each path's default MD datum | Created by: software on 2022-02-24 Database: WA_MPL_EASTERNUS_Data |

| Location Information | | | | |
|---|-------------------|--------------------|-------------------|--------------------|
| Facility Name | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
| Thin Air Pad | 1698787.140 | 14354225.910 | 39°31'40.5880"N | 80°47'34.7850"W |
| Slot | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) |
| Slot E | -24.73 | -16.95 | 1698770.200 | 14354201.190 |
| | | | 39°31'40.3440"N | 80°47'35.0020"W |
| Comment Purple Unit 1H | | | | |
| H&P 317 (RKB) to Ground level (At Slot Slot E) | 25.5ft | | | |
| Mean Sea Level to Ground level (At Slot Slot E) | -1200ft | | | |
| H&P 317 (RKB) to Mean Sea Level | 1225.5ft | | | |

| Well Profile Data | | | | | | | | |
|-------------------|----------|---------|---------|----------|--------------|--------------|---------------|----------|
| Design Comment | MD (ft) | Inc (") | Az (°) | TVD (ft) | Local N (ft) | Local E (ft) | DLS (*/100ft) | VS (ft) |
| Tie On | 2538.00 | 0.910 | 77.710 | 2531.60 | -41.82 | 127.29 | 0.14 | -60.76 |
| Proj. to Bottom | 2611.00 | 0.910 | 77.710 | 2604.59 | -41.37 | 128.43 | 0.00 | -60.99 |
| KOP 1 | 2691.00 | 0.910 | 77.710 | 2884.58 | -41.10 | 129.67 | 0.00 | -61.04 |
| End of 3D Arc | 2960.12 | 8.874 | 104.662 | 2952.52 | -45.91 | 151.86 | 3.00 | -92.61 |
| Curve KOP | 6148.47 | 8.874 | 104.662 | 6102.70 | -176.41 | 627.72 | 0.00 | -365.30 |
| Build/Avoid NGZ | 6564.30 | 30.000 | 0.000 | 6499.38 | -71.79 | 659.65 | 8.00 | -282.43 |
| PQE | 7147.01 | 74.514 | 341.017 | 6849.00 | 363.69 | 562.92 | 8.00 | 160.84 |
| Landing Pt. | 7340.58 | 90.000 | 341.017 | 6875.00 | 544.52 | 509.72 | 8.00 | 352.06 |
| BHL | 23744.26 | 90.000 | 341.017 | 6875.00 | 16056.09 | -4835.17 | 0.00 | 16755.74 |

| Well Data | | | |
|-----------|----------------|--------------------|---------------------------------|
| Slot | Well | Wellbore | Wellpath |
| Slot E | Purple Unit 1H | Purple Unit 1H AWB | Purple Unit 1H AWP Proj: 23766' |
| Slot E | Purple Unit 1H | Purple Unit 1H PWB | Purple Unit 1H PWP Rev-C.0 |





Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

| REPORT SETUP INFORMATION | | | |
|--------------------------|------------------------------------|------------------|-----------------------|
| Projection System | NAD27 / UTM Zone 17 North, US feet | Software System | WellArchitect® 6.0 |
| North Reference | Grid | User | Edsaryar |
| Scale | 0.999604 | Report Generated | 24/Feb/2022 at 23:48 |
| Convergence at slot | 0.13° East | Database | WA_MPL_EASTERNUS_Defn |

| WELLPATH LOCATION | | | | | | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | -24.73 | -16.95 | 1698770.20 | 14354201.19 | 39°31'40.3440"N | 80°47'35.0020"W |
| Facility Reference Pt | | | 1698787.14 | 14354225.91 | 39°31'40.5880"N | 80°47'34.7850"W |
| Field Reference Pt | | | 0.00 | 0.00 | 0°00'0.0000" | 85°29'19.3013"W |

| WELLPATH DATUM | | | |
|--------------------------|-------------------|--|-------------------|
| Calculation method | Minimum curvature | H&P 317 (RKB) to Facility Vertical Datum | 1225.50ft |
| Horizontal Reference Pt | Slot | H&P 317 (RKB) to Mean Sea Level | 1225.50ft |
| Vertical Reference Pt | H&P 317 (RKB) | H&P 317 (RKB) to Ground Level at Slot (Slot E) | 25.50ft |
| MD Reference Pt | H&P 317 (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 341.02° |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

| WELLPATH DATA (254 stations) † = interpolated, ‡ = extrapolated station | | | | | | | | | | | | | | | | |
|---|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|---|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
| 0.00† | 0.000 | 68.370 | 0.00 | 0.00 | 0.00 | 0.00 | 1698770.20 | 14354201.19 | 39°31'40.3440"N | 80°47'35.0020"W | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | |
| 25.50 | 0.000 | 68.370 | 25.50 | 0.00 | 0.00 | 0.00 | 1698770.20 | 14354201.19 | 39°31'40.3440"N | 80°47'35.0020"W | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | |
| 100.00 | 0.500 | 68.370 | 100.00 | 0.02 | 0.12 | 0.30 | 1698770.50 | 14354201.31 | 39°31'40.3452"N | 80°47'34.9981"W | 0.33 | 68.370 | 0.67 | 0.67 | 0.00 | Gyrodatta MS Gyro <17-1/2"> (100'-400') |
| 200.00 | 0.480 | 70.370 | 200.00 | 0.04 | 0.42 | 1.10 | 1698771.30 | 14354201.61 | 39°31'40.3481"N | 80°47'34.9879"W | 1.18 | 69.080 | 0.03 | -0.02 | 2.00 | |
| 300.00 | 0.450 | 83.540 | 299.99 | 0.10 | 0.74 | 1.85 | 1698772.05 | 14354201.93 | 39°31'40.3512"N | 80°47'34.9784"W | 1.99 | 68.260 | 0.06 | -0.03 | -6.83 | |
| 400.00 | 0.450 | 54.280 | 399.99 | 0.26 | 1.14 | 2.52 | 1698772.72 | 14354202.33 | 39°31'40.3552"N | 80°47'34.9698"W | 2.77 | 65.624 | 0.07 | 0.00 | -9.26 | |
| 500.00 | 0.370 | 59.630 | 499.99 | 0.44 | 1.53 | 3.12 | 1698773.31 | 14354202.72 | 39°31'40.3591"N | 80°47'34.9622"W | 3.47 | 63.793 | 0.09 | -0.08 | 5.35 | Gyrodatta MS Gyro <12-1/4"> (400')(500'-643') |
| 600.00 | 0.380 | 74.760 | 599.98 | 0.48 | 1.78 | 3.71 | 1698773.91 | 14354202.97 | 39°31'40.3615"N | 80°47'34.9545"W | 4.12 | 64.344 | 0.10 | 0.01 | 15.13 | |
| 643.00 | 0.440 | 105.390 | 642.98 | 0.38 | 1.78 | 4.01 | 1698774.21 | 14354202.97 | 39°31'40.3615"N | 80°47'34.9507"W | 4.39 | 66.097 | 0.52 | 0.14 | 71.23 | |
| 682.00 | 0.240 | 185.730 | 681.98 | 0.22 | 1.66 | 4.15 | 1698774.35 | 14354202.85 | 39°31'40.3603"N | 80°47'34.9490"W | 4.47 | 68.225 | 1.19 | -0.51 | 206.00 | APS EM <12-1/4"> (643')(682'-2538') |
| 772.00 | 1.850 | 113.990 | 771.97 | -0.94 | 0.88 | 5.46 | 1698775.65 | 14354202.07 | 39°31'40.3525"N | 80°47'34.9323"W | 5.53 | 80.852 | 1.99 | 1.79 | -79.71 | |
| 862.00 | 2.990 | 111.050 | 861.88 | -3.44 | -0.56 | 8.97 | 1698779.17 | 14354200.64 | 39°31'40.3383"N | 80°47'34.8875"W | 8.99 | 93.540 | 1.27 | 1.27 | -3.27 | |
| 951.00 | 3.000 | 109.940 | 950.76 | -6.40 | -2.18 | 13.33 | 1698783.52 | 14354199.01 | 39°31'40.3221"N | 80°47'34.8319"W | 13.51 | 99.301 | 0.07 | 0.01 | -1.25 | |
| 1042.00 | 4.300 | 109.760 | 1041.58 | -10.03 | -4.15 | 18.78 | 1698788.97 | 14354197.04 | 39°31'40.3026"N | 80°47'34.7624"W | 19.23 | 102.458 | 1.43 | 1.43 | -0.20 | |
| 1136.00 | 6.790 | 107.510 | 1135.13 | -15.54 | -7.01 | 27.40 | 1698797.59 | 14354194.18 | 39°31'40.2741"N | 80°47'34.6525"W | 28.28 | 104.357 | 2.66 | 2.65 | -2.39 | |
| 1231.00 | 7.420 | 106.320 | 1229.40 | -22.43 | -10.43 | 38.64 | 1698808.82 | 14354190.77 | 39°31'40.2401"N | 80°47'34.5092"W | 40.02 | 105.100 | 0.68 | 0.66 | -1.25 | |
| 1326.00 | 7.220 | 103.510 | 1323.63 | -29.18 | -13.54 | 50.33 | 1698820.51 | 14354187.65 | 39°31'40.2090"N | 80°47'34.3600"W | 52.12 | 105.062 | 0.43 | -0.21 | -2.96 | |
| 1420.00 | 6.880 | 101.650 | 1416.91 | -35.22 | -16.06 | 61.59 | 1698831.76 | 14354185.14 | 39°31'40.1838"N | 80°47'34.2165"W | 63.65 | 104.616 | 0.44 | -0.36 | -1.98 | |
| 1515.00 | 6.460 | 98.040 | 1511.27 | -40.55 | -17.96 | 72.45 | 1698842.62 | 14354183.24 | 39°31'40.1649"N | 80°47'34.0779"W | 74.65 | 103.920 | 0.62 | -0.44 | -3.80 | |
| 1610.00 | 6.700 | 101.790 | 1605.65 | -45.81 | -19.84 | 83.17 | 1698853.34 | 14354181.36 | 39°31'40.1460"N | 80°47'33.9411"W | 85.50 | 103.415 | 0.52 | 0.25 | 3.95 | |
| 1704.00 | 7.110 | 116.090 | 1698.97 | -52.73 | -23.52 | 93.76 | 1698863.93 | 14354177.68 | 39°31'40.1094"N | 80°47'33.8061"W | 96.67 | 104.080 | 1.87 | 0.44 | 15.21 | |
| 1798.00 | 5.660 | 127.450 | 1792.39 | -60.72 | -28.89 | 102.67 | 1698872.83 | 14354172.31 | 39°31'40.0561"N | 80°47'33.6926"W | 106.66 | 105.718 | 2.04 | -1.54 | 12.09 | |
| 1893.00 | 3.780 | 130.120 | 1887.06 | -67.31 | -33.76 | 108.78 | 1698878.94 | 14354167.44 | 39°31'40.0078"N | 80°47'33.6147"W | 113.90 | 107.242 | 1.99 | -1.98 | 2.81 | |
| 1987.00 | 3.150 | 128.580 | 1980.89 | -72.14 | -37.37 | 113.17 | 1698883.33 | 14354163.84 | 39°31'39.9721"N | 80°47'33.5588"W | 119.18 | 108.273 | 0.68 | -0.67 | -1.64 | |
| 2082.00 | 3.210 | 122.770 | 2075.74 | -76.44 | -40.44 | 117.45 | 1698887.60 | 14354160.77 | 39°31'39.9417"N | 80°47'33.5043"W | 124.21 | 108.998 | 0.34 | 0.06 | -6.12 | |
| 2176.00 | 1.760 | 107.870 | 2169.65 | -79.37 | -42.30 | 121.04 | 1698891.19 | 14354158.90 | 39°31'39.9231"N | 80°47'33.4586"W | 128.22 | 109.265 | 1.68 | -1.54 | -15.85 | |
| 2271.00 | 0.880 | 72.690 | 2264.63 | -80.26 | -42.53 | 123.12 | 1698893.27 | 14354158.67 | 39°31'39.9208"N | 80°47'33.4320"W | 130.26 | 109.058 | 1.22 | -0.93 | -37.03 | |
| 2365.00 | 0.870 | 83.750 | 2358.62 | -80.44 | -42.24 | 124.52 | 1698894.67 | 14354158.97 | 39°31'39.9237"N | 80°47'33.4141"W | 131.49 | 108.739 | 0.18 | -0.01 | 11.77 | |
| 2460.00 | 1.000 | 74.220 | 2453.61 | -80.65 | -41.94 | 126.03 | 1698896.18 | 14354159.27 | 39°31'39.9266"N | 80°47'33.3948"W | 132.83 | 108.405 | 0.21 | 0.14 | -10.03 | |
| 2538.00 | 0.910 | 77.710 | 2531.60 | -80.76 | -41.62 | 127.29 | 1698897.44 | 14354159.59 | 39°31'39.9297"N | 80°47'33.3787"W | 133.93 | 108.106 | 0.14 | -0.12 | 4.47 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | | |
|-----------------------------------|------------------------------|--|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | | Well | Purple Unit 1H |
| Field | Tyler | | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | | |

| WELLPATH DATA (254 stations) | | | | | | | | | | | | | | | | |
|------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|--------------------------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
| 2608.00 | 0.850 | 73.560 | 2601.59 | -80.85 | -41.36 | 128.34 | 1698898.48 | 14354159.85 | 39°31'39.9323"N | 80°47'33.3654"W | 134.83 | 107.861 | 0.12 | -0.09 | -5.93 | APS EM <8-3/4"> (2538')(2608'-6026') |
| 2706.00 | 0.880 | 68.300 | 2699.58 | -80.84 | -40.87 | 129.73 | 1698899.88 | 14354160.34 | 39°31'39.9371"N | 80°47'33.3476"W | 136.02 | 107.487 | 0.09 | 0.03 | -5.37 | |
| 2804.00 | 3.360 | 99.960 | 2797.50 | -82.20 | -41.09 | 133.26 | 1698903.41 | 14354160.12 | 39°31'39.9348"N | 80°47'33.3025"W | 139.45 | 107.137 | 2.71 | 2.53 | 32.31 | |
| 2902.00 | 6.840 | 106.350 | 2895.10 | -86.96 | -43.23 | 141.69 | 1698911.83 | 14354157.98 | 39°31'39.9135"N | 80°47'33.1950"W | 148.14 | 106.967 | 3.59 | 3.55 | 6.52 | |
| 3001.00 | 7.690 | 96.270 | 2993.31 | -93.20 | -45.61 | 153.93 | 1698924.07 | 14354155.60 | 39°31'39.8897"N | 80°47'33.0388"W | 160.55 | 106.506 | 1.54 | 0.86 | -10.18 | |
| 3099.00 | 7.650 | 86.900 | 3090.44 | -97.78 | -45.98 | 166.96 | 1698937.10 | 14354155.23 | 39°31'39.8858"N | 80°47'32.8726"W | 173.18 | 105.396 | 1.28 | -0.04 | -9.56 | |
| 3198.00 | 9.080 | 96.480 | 3188.39 | -102.94 | -46.50 | 181.31 | 1698951.44 | 14354154.71 | 39°31'39.8803"N | 80°47'32.6895"W | 187.18 | 104.385 | 2.01 | 1.44 | 9.68 | |
| 3295.00 | 9.400 | 89.240 | 3284.13 | -108.71 | -47.26 | 196.83 | 1698966.96 | 14354153.95 | 39°31'39.8724"N | 80°47'32.4914"W | 202.43 | 103.501 | 1.24 | 0.33 | -7.46 | |
| 3392.00 | 10.390 | 96.640 | 3379.69 | -114.97 | -48.17 | 213.44 | 1698983.56 | 14354153.04 | 39°31'39.8631"N | 80°47'32.2795"W | 218.81 | 102.717 | 1.66 | 1.02 | 7.63 | |
| 3489.00 | 10.160 | 98.960 | 3475.14 | -122.76 | -50.51 | 230.58 | 1699000.69 | 14354150.70 | 39°31'39.8395"N | 80°47'32.0608"W | 236.05 | 102.356 | 0.49 | -0.24 | 2.39 | |
| 3585.00 | 10.400 | 109.630 | 3569.60 | -132.13 | -54.74 | 247.11 | 1699017.21 | 14354146.47 | 39°31'39.7973"N | 80°47'31.8500"W | 253.10 | 102.491 | 2.00 | 0.25 | 11.11 | |
| 3682.00 | 10.720 | 119.610 | 3664.97 | -144.36 | -62.14 | 263.20 | 1699033.30 | 14354139.07 | 39°31'39.7238"N | 80°47'31.6449"W | 270.44 | 103.284 | 1.91 | 0.33 | 10.29 | |
| 3780.00 | 11.090 | 117.240 | 3761.20 | -158.01 | -70.96 | 279.50 | 1699049.59 | 14354130.26 | 39°31'39.6363"N | 80°47'31.4371"W | 288.37 | 104.245 | 0.59 | 0.38 | -2.42 | |
| 3877.00 | 10.770 | 111.660 | 3856.44 | -170.64 | -78.57 | 296.22 | 1699066.30 | 14354122.65 | 39°31'39.5607"N | 80°47'31.2239"W | 306.47 | 104.856 | 1.14 | -0.33 | -5.75 | |
| 3974.00 | 10.350 | 107.170 | 3951.80 | -181.69 | -84.49 | 312.97 | 1699083.05 | 14354118.73 | 39°31'39.5018"N | 80°47'31.0104"W | 324.18 | 105.108 | 0.95 | -0.43 | -4.63 | |
| 4071.00 | 9.130 | 101.080 | 4047.40 | -190.68 | -88.54 | 328.85 | 1699098.92 | 14354112.68 | 39°31'39.4614"N | 80°47'30.8079"W | 340.56 | 105.069 | 1.64 | -1.26 | -6.28 | |
| 4167.00 | 8.260 | 93.850 | 4142.30 | -197.17 | -90.47 | 343.21 | 1699113.27 | 14354110.76 | 39°31'39.4420"N | 80°47'30.6247"W | 354.93 | 104.767 | 1.45 | -0.91 | -7.53 | |
| 4263.00 | 8.460 | 101.800 | 4237.28 | -203.46 | -92.38 | 357.00 | 1699127.06 | 14354108.85 | 39°31'39.4229"N | 80°47'30.4487"W | 368.76 | 104.508 | 1.22 | 0.21 | 8.28 | |
| 4362.00 | 10.380 | 105.030 | 4334.95 | -212.18 | -96.18 | 372.74 | 1699142.79 | 14354105.05 | 39°31'39.3849"N | 80°47'30.2479"W | 384.95 | 104.468 | 2.01 | 1.94 | 3.26 | |
| 4459.00 | 9.700 | 99.300 | 4430.46 | -220.94 | -99.77 | 389.25 | 1699159.29 | 14354101.46 | 39°31'39.3491"N | 80°47'30.0374"W | 401.83 | 104.376 | 1.24 | -0.70 | -5.91 | |
| 4556.00 | 10.080 | 102.120 | 4526.02 | -229.20 | -102.87 | 405.61 | 1699175.65 | 14354098.36 | 39°31'39.3181"N | 80°47'29.8287"W | 418.45 | 104.231 | 0.63 | 0.39 | 2.91 | |
| 4655.00 | 8.520 | 109.100 | 4623.72 | -238.19 | -107.09 | 421.01 | 1699191.05 | 14354094.15 | 39°31'39.2780"N | 80°47'29.6322"W | 434.42 | 104.271 | 1.94 | -1.58 | 7.05 | |
| 4753.00 | 7.510 | 107.310 | 4720.76 | -246.46 | -111.37 | 433.99 | 1699204.01 | 14354089.87 | 39°31'39.2334"N | 80°47'29.4668"W | 448.05 | 104.393 | 1.06 | -1.03 | -1.83 | |
| 4850.00 | 5.870 | 113.820 | 4817.10 | -253.59 | -115.26 | 444.58 | 1699214.60 | 14354085.98 | 39°31'39.1947"N | 80°47'29.3318"W | 459.28 | 104.534 | 1.86 | -1.69 | 6.71 | |
| 4949.00 | 7.190 | 117.430 | 4915.45 | -261.51 | -120.16 | 454.71 | 1699224.73 | 14354081.08 | 39°31'39.1461"N | 80°47'29.2026"W | 470.32 | 104.802 | 1.40 | 1.33 | 3.65 | |
| 5047.00 | 5.900 | 111.800 | 5012.81 | -269.25 | -124.85 | 464.83 | 1699234.84 | 14354076.39 | 39°31'39.0994"N | 80°47'29.0736"W | 481.30 | 105.035 | 1.47 | -1.32 | -5.74 | |
| 5143.00 | 7.130 | 111.560 | 5108.19 | -276.34 | -128.87 | 474.95 | 1699244.96 | 14354072.37 | 39°31'39.0594"N | 80°47'28.9445"W | 492.13 | 105.181 | 1.28 | 1.28 | -0.25 | |
| 5239.00 | 7.950 | 111.550 | 5203.36 | -284.53 | -133.50 | 486.67 | 1699256.67 | 14354067.74 | 39°31'39.0134"N | 80°47'28.7952"W | 504.65 | 105.340 | 0.85 | 0.85 | -0.01 | |
| 5341.00 | 9.140 | 108.740 | 5304.23 | -294.07 | -138.70 | 500.90 | 1699270.90 | 14354062.55 | 39°31'38.9618"N | 80°47'28.6137"W | 519.75 | 105.477 | 1.24 | 1.17 | -2.75 | |
| 5438.00 | 9.670 | 109.830 | 5399.92 | -303.89 | -143.94 | 515.86 | 1699285.85 | 14354057.31 | 39°31'38.9097"N | 80°47'28.4229"W | 535.56 | 105.590 | 0.58 | 0.55 | 1.12 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

| WELLPATH DATA (254 stations) † = interpolated, ‡ = extrapolated station | | | | | | | | | | | | | | | | |
|---|-------------|---------|---------|-----------|---------|--------|------------|-------------|-----------------|-----------------|--------------|-------------|-----------|------------|-----------|--|
| MD | Inclination | Azimuth | TVD | Vert Sect | North | East | Grid East | Grid North | Latitude | Longitude | Closure Dist | Closure Dir | DLS | Build Rate | Turn Rate | Comments |
| [ft] | [°] | [°] | [ft] | [ft] | [ft] | [ft] | [US ft] | [US ft] | | | [ft] | [°] | ["/100ft] | ["/100ft] | ["/100ft] | |
| 5633.00 | 9.360 | 114.420 | 5592.24 | -325.05 | -156.05 | 545.70 | 1699315.69 | 14354045.21 | 39°31'38.7893"N | 80°47'28.0424"W | 567.58 | 105.958 | 0.42 | -0.16 | 2.35 | |
| 5830.00 | 7.530 | 107.110 | 5787.11 | -343.66 | -166.47 | 572.63 | 1699342.60 | 14354034.79 | 39°31'38.6856"N | 80°47'27.6991"W | 596.34 | 106.210 | 1.08 | -0.93 | -3.71 | |
| 6026.00 | 7.110 | 115.050 | 5981.51 | -359.66 | -175.38 | 595.89 | 1699365.86 | 14354025.88 | 39°31'38.5970"N | 80°47'27.4025"W | 621.17 | 106.400 | 0.56 | -0.21 | 4.05 | |
| 6062.00 | 5.900 | 118.620 | 6017.28 | -362.57 | -177.21 | 599.54 | 1699369.50 | 14354024.05 | 39°31'38.5788"N | 80°47'27.3560"W | 625.18 | 106.467 | 3.54 | -3.36 | 9.92 | BH AT Curve <8-1/2"> (6026')(6062'-23741') |
| 6159.00 | 10.160 | 104.720 | 6113.32 | -371.00 | -181.78 | 612.20 | 1699382.15 | 14354019.48 | 39°31'38.5334"N | 80°47'27.1946"W | 638.61 | 106.538 | 4.80 | 4.39 | -14.33 | |
| 6257.00 | 10.750 | 81.110 | 6209.73 | -377.40 | -182.56 | 629.59 | 1699399.54 | 14354018.70 | 39°31'38.5253"N | 80°47'26.9726"W | 655.53 | 106.170 | 4.38 | 0.60 | -24.09 | |
| 6355.00 | 15.380 | 40.410 | 6305.36 | -372.37 | -171.23 | 647.09 | 1699417.03 | 14354030.03 | 39°31'38.6369"N | 80°47'26.7490"W | 669.36 | 104.821 | 10.22 | 4.72 | -41.53 | |
| 6452.00 | 20.860 | 5.730 | 6397.78 | -350.06 | -144.15 | 657.19 | 1699427.13 | 14354057.10 | 39°31'38.9043"N | 80°47'26.6193"W | 672.81 | 102.371 | 12.23 | 5.65 | -35.75 | |
| 6548.00 | 29.750 | 359.690 | 6484.49 | -311.88 | -103.24 | 658.77 | 1699428.71 | 14354097.99 | 39°31'39.3086"N | 80°47'26.5979"W | 666.81 | 98.906 | 9.63 | 9.26 | -6.29 | |
| 6615.00† | 34.626 | 356.891 | 6541.18 | -277.80 | -67.58 | 657.65 | 1699427.59 | 14354133.63 | 39°31'39.6610"N | 80°47'26.6112"W | 661.11 | 95.867 | 7.61 | 7.28 | -4.18 | Sycamore: 6615' MD |
| 6646.00 | 36.900 | 355.820 | 6566.33 | -260.33 | -49.50 | 656.49 | 1699426.43 | 14354151.71 | 39°31'39.8397"N | 80°47'26.6254"W | 658.36 | 94.312 | 7.61 | 7.34 | -3.45 | |
| 6745.00 | 44.660 | 351.090 | 6641.26 | -197.23 | 14.62 | 648.92 | 1699418.87 | 14354215.81 | 39°31'40.4737"N | 80°47'26.7201"W | 649.09 | 88.709 | 8.43 | 7.84 | -4.78 | |
| 6773.00† | 47.023 | 349.832 | 6660.76 | -177.41 | 34.43 | 645.59 | 1699415.53 | 14354235.61 | 39°31'40.6695"N | 80°47'26.7620"W | 646.51 | 86.947 | 9.03 | 8.44 | -4.49 | Middlesex: 6773' MD |
| 6841.00 | 52.810 | 347.140 | 6704.54 | -125.85 | 85.37 | 635.16 | 1699405.11 | 14354286.53 | 39°31'41.1732"N | 80°47'26.8936"W | 640.87 | 82.345 | 9.03 | 8.51 | -3.96 | |
| 6938.00 | 60.180 | 345.120 | 6758.05 | -45.35 | 163.82 | 615.73 | 1699385.68 | 14354364.94 | 39°31'41.9490"N | 80°47'27.1393"W | 637.15 | 75.101 | 7.79 | 7.60 | -2.08 | |
| 6941.00† | 60.349 | 345.080 | 6759.54 | -42.75 | 166.34 | 615.06 | 1699385.01 | 14354367.46 | 39°31'41.9739"N | 80°47'27.1478"W | 637.15 | 74.867 | 5.75 | 5.64 | -1.33 | Burkett: 6941' MD |
| 6985.00 | 62.830 | 344.510 | 6780.47 | -4.13 | 203.68 | 604.91 | 1699374.87 | 14354404.79 | 39°31'42.3432"N | 80°47'27.2762"W | 638.28 | 71.391 | 5.75 | 5.64 | -1.30 | |
| 7007.00† | 64.044 | 344.372 | 6790.31 | 15.51 | 222.64 | 599.63 | 1699369.59 | 14354423.74 | 39°31'42.5307"N | 80°47'27.3430"W | 639.63 | 69.631 | 5.55 | 5.52 | -0.63 | Tully: 7007' MD |
| 7035.00 | 65.590 | 344.200 | 6802.22 | 40.81 | 247.03 | 592.77 | 1699362.73 | 14354448.12 | 39°31'42.7719"N | 80°47'27.4299"W | 642.18 | 67.377 | 5.55 | 5.52 | -0.61 | |
| 7133.00 | 73.620 | 343.500 | 6836.34 | 132.48 | 335.18 | 567.22 | 1699337.20 | 14354536.24 | 39°31'43.6437"N | 80°47'27.7532"W | 658.85 | 59.420 | 8.22 | 8.19 | -0.71 | |
| 7203.00† | 77.556 | 343.248 | 6853.76 | 200.20 | 400.13 | 547.83 | 1699317.81 | 14354601.16 | 39°31'44.2861"N | 80°47'27.9988"W | 678.40 | 53.856 | 5.63 | 5.62 | -0.36 | Marcellus POE: 7203' MD |
| 7231.00 | 79.130 | 343.150 | 6859.42 | 227.60 | 426.38 | 539.90 | 1699309.89 | 14354627.40 | 39°31'44.5457"N | 80°47'28.0992"W | 687.96 | 51.700 | 5.63 | 5.62 | -0.35 | |
| 7280.00 | 82.590 | 343.710 | 6867.20 | 275.93 | 472.74 | 526.11 | 1699296.10 | 14354673.75 | 39°31'45.0042"N | 80°47'28.2739"W | 707.30 | 48.058 | 7.15 | 7.06 | 1.14 | |
| 7328.00 | 85.010 | 342.860 | 6872.39 | 323.61 | 518.44 | 512.38 | 1699282.38 | 14354719.43 | 39°31'45.4562"N | 80°47'28.4477"W | 728.92 | 44.663 | 5.34 | 5.04 | -1.77 | |
| 7427.00 | 90.310 | 341.870 | 6876.43 | 422.46 | 612.68 | 482.43 | 1699252.43 | 14354813.62 | 39°31'46.3882"N | 80°47'28.8272"W | 779.81 | 38.217 | 5.45 | 5.35 | -1.00 | |
| 7525.00 | 90.090 | 341.520 | 6876.09 | 520.46 | 705.72 | 451.65 | 1699221.67 | 14354906.63 | 39°31'47.3085"N | 80°47'29.2173"W | 837.87 | 32.619 | 0.42 | -0.22 | -0.36 | |
| 7624.00 | 89.600 | 341.640 | 6876.35 | 619.45 | 799.64 | 420.37 | 1699190.40 | 14355000.52 | 39°31'48.2375"N | 80°47'29.6137"W | 903.40 | 27.730 | 0.51 | -0.49 | 0.12 | |
| 7721.00 | 89.690 | 341.110 | 6876.96 | 716.45 | 891.56 | 389.39 | 1699159.43 | 14355092.40 | 39°31'49.1467"N | 80°47'30.0064"W | 972.88 | 23.593 | 0.55 | 0.09 | -0.55 | |
| 7817.00 | 90.460 | 341.810 | 6876.83 | 812.44 | 982.58 | 358.86 | 1699128.92 | 14355183.38 | 39°31'50.0469"N | 80°47'30.3932"W | 1046.06 | 20.063 | 1.08 | 0.80 | 0.73 | |
| 7912.00 | 90.150 | 341.900 | 6876.32 | 907.43 | 1072.85 | 329.28 | 1699099.35 | 14355273.62 | 39°31'50.9398"N | 80°47'30.7681"W | 1122.25 | 17.062 | 0.34 | -0.33 | 0.09 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWP |
| Slot | Slot E | | |

| WELLPATH DATA (254 stations) | | | | | | | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|----------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS ["/100ft] | Build Rate ["/100ft] | Turn Rate ["/100ft] | Comments |
| 8010.00 | 89.970 | 341.640 | 6876.22 | 1005.42 | 1165.93 | 298.62 | 1699068.70 | 14355366.66 | 39°31'51.8604"N | 80°47'31.1567"W | 1203.57 | 14.366 | 0.32 | -0.18 | -0.27 | |
| 8109.00 | 90.340 | 341.960 | 6875.95 | 1104.41 | 1259.98 | 267.70 | 1699037.79 | 14355460.67 | 39°31'52.7906"N | 80°47'31.5485"W | 1288.10 | 11.995 | 0.49 | 0.37 | 0.32 | |
| 8206.00 | 90.250 | 342.100 | 6875.45 | 1201.40 | 1352.25 | 237.77 | 1699007.88 | 14355552.90 | 39°31'53.7032"N | 80°47'31.9277"W | 1372.99 | 9.973 | 0.17 | -0.09 | 0.14 | |
| 8303.00 | 90.180 | 341.970 | 6875.09 | 1298.38 | 1444.52 | 207.86 | 1698977.97 | 14355645.13 | 39°31'54.6158"N | 80°47'32.3068"W | 1459.40 | 8.188 | 0.15 | -0.07 | -0.13 | |
| 8401.00 | 90.250 | 340.860 | 6874.72 | 1396.37 | 1537.43 | 176.70 | 1698946.83 | 14355738.01 | 39°31'55.5348"N | 80°47'32.7017"W | 1547.55 | 6.556 | 1.03 | 0.07 | -1.03 | |
| 8500.00 | 90.400 | 341.030 | 6874.16 | 1495.37 | 1631.03 | 144.46 | 1698914.61 | 14355831.57 | 39°31'56.4607"N | 80°47'33.1104"W | 1637.42 | 5.062 | 0.17 | 0.15 | 0.07 | |
| 8597.00 | 90.220 | 340.990 | 6873.64 | 1592.37 | 1722.75 | 112.90 | 1698883.06 | 14355923.26 | 39°31'57.3679"N | 80°47'33.5105"W | 1726.45 | 3.750 | 0.19 | -0.19 | -0.04 | |
| 8694.00 | 89.940 | 341.450 | 6873.50 | 1689.37 | 1814.59 | 81.67 | 1698851.84 | 14356015.06 | 39°31'58.2762"N | 80°47'33.9064"W | 1816.43 | 2.577 | 0.56 | -0.29 | 0.47 | |
| 8793.00 | 90.250 | 341.430 | 6873.34 | 1788.37 | 1908.44 | 50.16 | 1698820.34 | 14356108.87 | 39°31'59.2045"N | 80°47'34.3058"W | 1909.10 | 1.506 | 0.31 | 0.31 | -0.02 | |
| 8890.00 | 90.180 | 341.250 | 6872.97 | 1885.37 | 2000.34 | 19.13 | 1698789.32 | 14356200.73 | 39°32'0.1135"N | 80°47'34.6992"W | 2000.43 | 0.548 | 0.20 | -0.07 | -0.19 | |
| 8987.00 | 90.120 | 341.280 | 6872.72 | 1982.36 | 2092.20 | -12.03 | 1698758.18 | 14356292.56 | 39°32'1.0221"N | 80°47'35.0941"W | 2092.23 | 359.671 | 0.07 | -0.06 | 0.03 | |
| 9083.00 | 90.400 | 341.390 | 6872.28 | 2078.36 | 2183.15 | -42.75 | 1698727.47 | 14356383.47 | 39°32'1.9216"N | 80°47'35.4835"W | 2183.57 | 358.878 | 0.31 | 0.29 | 0.11 | |
| 9181.00 | 90.280 | 341.370 | 6871.70 | 2176.36 | 2276.02 | -74.04 | 1698696.19 | 14356476.30 | 39°32'2.8402"N | 80°47'35.8802"W | 2277.22 | 358.137 | 0.12 | -0.12 | -0.02 | |
| 9279.00 | 89.940 | 340.790 | 6871.51 | 2274.36 | 2368.72 | -105.82 | 1698664.42 | 14356568.97 | 39°32'3.7571"N | 80°47'36.2830"W | 2371.09 | 357.442 | 0.69 | -0.35 | -0.59 | |
| 9376.00 | 90.550 | 341.640 | 6871.10 | 2371.35 | 2460.55 | -137.05 | 1698633.20 | 14356660.77 | 39°32'4.6654"N | 80°47'36.6790"W | 2464.37 | 356.812 | 1.08 | 0.63 | 0.88 | |
| 9475.00 | 90.000 | 341.400 | 6870.62 | 2470.35 | 2554.45 | -168.43 | 1698601.83 | 14356754.62 | 39°32'5.5941"N | 80°47'37.0767"W | 2560.00 | 356.228 | 0.61 | -0.56 | -0.24 | |
| 9571.00 | 91.450 | 341.320 | 6869.41 | 2566.34 | 2645.40 | -199.11 | 1698571.17 | 14356845.54 | 39°32'6.4938"N | 80°47'37.4657"W | 2652.89 | 355.696 | 1.51 | 1.51 | -0.08 | |
| 9669.00 | 90.310 | 341.720 | 6867.90 | 2664.32 | 2738.34 | -230.17 | 1698540.12 | 14356938.44 | 39°32'7.4130"N | 80°47'37.8593"W | 2747.99 | 355.195 | 1.23 | -1.16 | 0.41 | |
| 9766.00 | 90.310 | 341.830 | 6867.38 | 2761.31 | 2830.47 | -260.51 | 1698509.80 | 14357030.53 | 39°32'8.3242"N | 80°47'38.2438"W | 2842.43 | 354.741 | 0.11 | 0.00 | 0.11 | |
| 9864.00 | 90.550 | 341.940 | 6866.64 | 2859.30 | 2923.61 | -290.98 | 1698479.34 | 14357123.64 | 39°32'9.2454"N | 80°47'38.6300"W | 2938.05 | 354.316 | 0.27 | 0.24 | 0.11 | |
| 9961.00 | 90.220 | 341.570 | 6865.99 | 2956.29 | 3015.73 | -321.35 | 1698448.98 | 14357215.72 | 39°32'10.1566"N | 80°47'39.0149"W | 3032.80 | 353.918 | 0.51 | -0.34 | -0.38 | |
| 10059.00 | 89.780 | 341.270 | 6865.99 | 3054.28 | 3108.62 | -352.57 | 1698417.77 | 14357308.57 | 39°32'11.0754"N | 80°47'39.4108"W | 3128.55 | 353.529 | 0.54 | -0.45 | -0.31 | |
| 10157.00 | 89.970 | 341.320 | 6866.21 | 3152.28 | 3201.45 | -384.00 | 1698386.35 | 14357401.36 | 39°32'11.9935"N | 80°47'39.8092"W | 3224.39 | 353.160 | 0.20 | 0.19 | 0.05 | |
| 10256.00 | 89.450 | 341.100 | 6866.71 | 3251.28 | 3295.17 | -415.89 | 1698354.48 | 14357495.05 | 39°32'12.9205"N | 80°47'40.2134"W | 3321.31 | 352.807 | 0.57 | -0.53 | -0.22 | |
| 10354.00 | 90.220 | 341.640 | 6866.99 | 3349.28 | 3388.03 | -447.19 | 1698323.18 | 14357587.87 | 39°32'13.8390"N | 80°47'40.6103"W | 3417.42 | 352.481 | 0.96 | 0.79 | 0.55 | |
| 10450.00 | 90.120 | 341.410 | 6866.70 | 3445.27 | 3479.08 | -477.61 | 1698292.78 | 14357678.89 | 39°32'14.7395"N | 80°47'40.9959"W | 3511.71 | 352.183 | 0.26 | -0.10 | -0.24 | |
| 10547.00 | 90.580 | 341.020 | 6866.11 | 3542.27 | 3570.91 | -508.85 | 1698261.55 | 14357770.68 | 39°32'15.6478"N | 80°47'41.3919"W | 3606.99 | 351.890 | 0.62 | 0.47 | -0.40 | |
| 10644.00 | 90.620 | 340.590 | 6865.10 | 3639.26 | 3662.52 | -540.74 | 1698229.68 | 14357862.25 | 39°32'16.5539"N | 80°47'41.7963"W | 3702.22 | 351.801 | 0.45 | 0.04 | -0.44 | |
| 10742.00 | 90.370 | 339.880 | 6864.25 | 3737.25 | 3754.74 | -573.88 | 1698196.55 | 14357954.43 | 39°32'17.4661"N | 80°47'42.2166"W | 3798.34 | 351.310 | 0.77 | -0.26 | -0.72 | |
| 10839.00 | 90.550 | 340.340 | 6863.47 | 3834.23 | 3845.95 | -606.88 | 1698163.56 | 14358045.61 | 39°32'18.3683"N | 80°47'42.6351"W | 3893.54 | 351.033 | 0.51 | 0.19 | 0.47 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | | |
|-----------------------------------|------------------------------|--|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | | Well | Purple Unit 1H |
| Field | Tyler | | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | | |

| WELLPATH DATA (254 stations) | | | | | | | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|----------|
| MD (ft) | Inclination (°) | Azimuth (°) | TVD (ft) | Vert Sect (ft) | North (ft) | East (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude | Closure Dist (ft) | Closure Dir (°) | DLS (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Comments |
| 10937.00 | 90.460 | 340.120 | 6862.61 | 3932.22 | 3938.17 | -640.02 | 1698130.43 | 14358137.79 | 39°32'19.2805"N | 80°47'43.0555"W | 3989.84 | 350.769 | 0.24 | -0.09 | -0.22 | |
| 11036.00 | 90.520 | 340.670 | 6861.76 | 4031.21 | 4031.43 | -673.24 | 1698097.23 | 14358231.01 | 39°32'20.2029"N | 80°47'43.4768"W | 4087.26 | 350.519 | 0.56 | 0.06 | 0.56 | |
| 11134.00 | 90.430 | 339.390 | 6860.95 | 4129.19 | 4123.53 | -706.71 | 1698063.77 | 14358323.08 | 39°32'21.1139"N | 80°47'43.9013"W | 4183.65 | 350.275 | 1.31 | -0.09 | -1.31 | |
| 11230.00 | 90.280 | 340.370 | 6860.35 | 4225.17 | 4213.67 | -739.73 | 1698030.76 | 14358413.18 | 39°32'22.0055"N | 80°47'44.3202"W | 4278.11 | 350.043 | 1.03 | -0.16 | 1.02 | |
| 11327.00 | 90.000 | 340.080 | 6860.12 | 4322.16 | 4304.95 | -772.55 | 1697997.96 | 14358504.42 | 39°32'22.9084"N | 80°47'44.7364"W | 4373.72 | 349.826 | 0.42 | -0.29 | -0.30 | |
| 11424.00 | 90.030 | 340.410 | 6860.09 | 4419.15 | 4396.24 | -805.33 | 1697965.19 | 14358595.68 | 39°32'23.8114"N | 80°47'45.1523"W | 4469.39 | 349.619 | 0.34 | 0.03 | 0.34 | |
| 11521.00 | 90.250 | 340.760 | 6859.85 | 4516.15 | 4487.72 | -837.58 | 1697932.96 | 14358687.13 | 39°32'24.7163"N | 80°47'45.5612"W | 4565.21 | 349.428 | 0.43 | 0.23 | 0.36 | |
| 11620.00 | 89.450 | 339.410 | 6860.11 | 4615.13 | 4580.80 | -871.30 | 1697899.25 | 14358780.16 | 39°32'25.6369"N | 80°47'45.9889"W | 4662.93 | 349.231 | 1.59 | -0.81 | -1.36 | |
| 11718.00 | 90.150 | 340.890 | 6860.45 | 4713.11 | 4672.97 | -904.57 | 1697865.99 | 14358872.30 | 39°32'26.5487"N | 80°47'46.4110"W | 4759.72 | 349.044 | 1.67 | 0.71 | 1.51 | |
| 11815.00 | 89.690 | 339.820 | 6860.59 | 4810.11 | 4764.32 | -937.18 | 1697833.39 | 14358963.62 | 39°32'27.4522"N | 80°47'46.8246"W | 4855.63 | 348.872 | 1.20 | -0.47 | -1.10 | |
| 11913.00 | 90.740 | 340.580 | 6860.22 | 4908.09 | 4856.53 | -970.38 | 1697800.21 | 14359055.78 | 39°32'28.3643"N | 80°47'47.2456"W | 4952.52 | 348.701 | 1.32 | 1.07 | 0.78 | |
| 12011.00 | 91.140 | 341.300 | 6858.61 | 5006.08 | 4949.14 | -1002.38 | 1697768.22 | 14359148.36 | 39°32'29.2803"N | 80°47'47.6514"W | 5049.63 | 348.550 | 0.84 | 0.41 | 0.73 | |
| 12108.00 | 90.310 | 340.160 | 6857.39 | 5103.07 | 5040.70 | -1034.39 | 1697736.23 | 14359239.88 | 39°32'30.1859"N | 80°47'48.0573"W | 5145.73 | 348.403 | 1.45 | -0.86 | -1.18 | |
| 12205.00 | 90.180 | 340.320 | 6856.97 | 5200.06 | 5131.99 | -1067.18 | 1697703.45 | 14359331.13 | 39°32'31.0888"N | 80°47'48.4733"W | 5241.77 | 348.253 | 0.21 | -0.13 | 0.16 | |
| 12303.00 | 90.460 | 340.480 | 6856.42 | 5298.05 | 5224.31 | -1100.05 | 1697670.59 | 14359423.42 | 39°32'32.0020"N | 80°47'48.8901"W | 5338.87 | 348.109 | 0.33 | 0.29 | 0.17 | |
| 12401.00 | 90.150 | 340.030 | 6855.90 | 5396.04 | 5316.55 | -1133.14 | 1697637.51 | 14359515.62 | 39°32'32.9144"N | 80°47'49.3100"W | 5435.96 | 347.968 | 0.57 | -0.32 | -0.47 | |
| 12498.00 | 90.310 | 340.150 | 6855.51 | 5493.03 | 5407.75 | -1166.18 | 1697604.49 | 14359606.79 | 39°32'33.8165"N | 80°47'49.7290"W | 5532.06 | 347.831 | 0.21 | 0.16 | 0.12 | |
| 12595.00 | 90.490 | 340.480 | 6854.84 | 5590.02 | 5499.08 | -1198.85 | 1697571.83 | 14359698.08 | 39°32'34.7198"N | 80°47'50.1434"W | 5628.24 | 347.701 | 0.39 | 0.19 | 0.34 | |
| 12692.00 | 90.220 | 340.200 | 6854.24 | 5687.01 | 5590.42 | -1231.48 | 1697539.21 | 14359789.39 | 39°32'35.6233"N | 80°47'50.5573"W | 5724.45 | 347.577 | 0.40 | -0.28 | -0.29 | |
| 12791.00 | 90.250 | 340.160 | 6853.83 | 5786.00 | 5683.56 | -1265.05 | 1697505.65 | 14359882.48 | 39°32'36.5446"N | 80°47'50.9831"W | 5822.64 | 347.452 | 0.05 | 0.03 | -0.04 | |
| 12889.00 | 90.340 | 340.310 | 6853.32 | 5883.99 | 5775.78 | -1298.19 | 1697472.53 | 14359974.67 | 39°32'37.4568"N | 80°47'51.4035"W | 5919.88 | 347.332 | 0.18 | 0.09 | 0.15 | |
| 12987.00 | 90.220 | 340.030 | 6852.85 | 5981.97 | 5867.97 | -1331.44 | 1697439.29 | 14360066.82 | 39°32'38.3686"N | 80°47'51.8252"W | 6017.12 | 347.216 | 0.31 | -0.12 | -0.29 | |
| 13086.00 | 90.400 | 340.700 | 6852.31 | 6080.96 | 5961.21 | -1364.70 | 1697406.04 | 14360160.03 | 39°32'39.2909"N | 80°47'52.2472"W | 6115.43 | 347.105 | 0.70 | 0.18 | 0.68 | |
| 13184.00 | 90.090 | 340.340 | 6851.89 | 6178.96 | 6053.60 | -1397.38 | 1697373.37 | 14360252.38 | 39°32'40.2047"N | 80°47'52.6617"W | 6212.79 | 347.002 | 0.48 | -0.32 | -0.37 | |
| 13283.00 | 90.250 | 340.260 | 6851.60 | 6277.95 | 6146.80 | -1430.75 | 1697340.02 | 14360345.55 | 39°32'41.1267"N | 80°47'53.0850"W | 6311.12 | 346.897 | 0.18 | 0.16 | -0.08 | |
| 13382.00 | 90.370 | 340.360 | 6851.06 | 6376.94 | 6240.01 | -1464.11 | 1697306.67 | 14360438.72 | 39°32'42.0486"N | 80°47'53.5081"W | 6409.48 | 346.795 | 0.16 | 0.12 | 0.10 | |
| 13480.00 | 90.120 | 339.860 | 6850.64 | 6474.93 | 6332.17 | -1497.45 | 1697273.35 | 14360530.84 | 39°32'42.9601"N | 80°47'53.9311"W | 6506.82 | 346.695 | 0.57 | -0.26 | -0.51 | |
| 13577.00 | 90.370 | 340.180 | 6850.23 | 6571.91 | 6423.33 | -1530.59 | 1697240.22 | 14360621.96 | 39°32'43.8618"N | 80°47'54.3515"W | 6603.17 | 346.597 | 0.42 | 0.26 | 0.33 | |
| 13676.00 | 90.490 | 341.760 | 6849.48 | 6670.91 | 6516.91 | -1562.87 | 1697207.95 | 14360715.51 | 39°32'44.7874"N | 80°47'54.7609"W | 6701.69 | 346.514 | 1.60 | 0.12 | 1.60 | |
| 13774.00 | 90.310 | 341.260 | 6848.80 | 6768.90 | 6609.85 | -1593.95 | 1697176.88 | 14360808.41 | 39°32'45.7067"N | 80°47'55.1550"W | 6799.32 | 346.442 | 0.54 | -0.18 | -0.51 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

WELLPATH DATA (254 stations)

| MD (ft) | Inclination (°) | Azimuth (°) | TVD (ft) | Vert Sect (ft) | North (ft) | East (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude | Closure Dist (ft) | Closure Dir (°) | DLS (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Comments |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|----------|
| 13872.00 | 90.370 | 341.380 | 6848.22 | 6866.90 | 6702.69 | -1625.34 | 1697145.51 | 14360901.21 | 39°32'46.6249"N | 80°47'55.5530"W | 6896.94 | 346.369 | 0.14 | 0.06 | 0.12 | |
| 13970.00 | 90.220 | 341.700 | 6847.71 | 6964.89 | 6795.64 | -1656.37 | 1697114.49 | 14360994.13 | 39°32'47.5443"N | 80°47'55.9464"W | 6994.59 | 346.302 | 0.36 | -0.15 | 0.33 | |
| 14068.00 | 90.430 | 341.970 | 6847.16 | 7062.88 | 6888.76 | -1686.92 | 1697083.95 | 14361087.20 | 39°32'48.4652"N | 80°47'56.3338"W | 7092.30 | 346.240 | 0.35 | 0.21 | 0.28 | |
| 14164.00 | 89.780 | 340.400 | 6846.98 | 7158.88 | 6979.62 | -1717.88 | 1697053.00 | 14361178.03 | 39°32'49.3640"N | 80°47'56.7264"W | 7187.92 | 346.173 | 1.77 | -0.68 | -1.64 | |
| 14262.00 | 90.150 | 341.140 | 6847.04 | 7256.87 | 7072.15 | -1750.16 | 1697020.74 | 14361270.53 | 39°32'50.2792"N | 80°47'57.1358"W | 7285.49 | 346.100 | 0.84 | 0.38 | 0.76 | |
| 14361.00 | 90.620 | 341.650 | 6846.38 | 7355.87 | 7165.95 | -1781.82 | 1696989.09 | 14361364.29 | 39°32'51.2069"N | 80°47'57.5374"W | 7384.16 | 346.037 | 0.63 | 0.47 | 0.41 | |
| 14458.00 | 90.000 | 341.190 | 6845.85 | 7452.87 | 7257.87 | -1812.81 | 1696958.11 | 14361456.17 | 39°32'52.1160"N | 80°47'57.9303"W | 7480.84 | 345.976 | 0.74 | -0.64 | -0.37 | |
| 14556.00 | 90.680 | 341.640 | 6845.27 | 7550.86 | 7350.75 | -1844.04 | 1696926.89 | 14361549.02 | 39°32'53.0347"N | 80°47'58.3264"W | 7578.53 | 345.917 | 0.83 | 0.69 | 0.46 | |
| 14653.00 | 90.490 | 341.930 | 6844.28 | 7647.85 | 7442.89 | -1874.36 | 1696896.58 | 14361641.11 | 39°32'53.9460"N | 80°47'58.7108"W | 7675.27 | 345.865 | 0.36 | -0.20 | 0.30 | |
| 14750.00 | 90.220 | 341.290 | 6843.68 | 7744.84 | 7534.93 | -1904.96 | 1696866.00 | 14361733.12 | 39°32'54.8563"N | 80°47'59.0988"W | 7772.01 | 345.812 | 0.72 | -0.28 | -0.66 | |
| 14848.00 | 90.520 | 341.380 | 6843.05 | 7842.84 | 7627.78 | -1936.33 | 1696834.65 | 14361825.93 | 39°32'55.7746"N | 80°47'59.4965"W | 7869.71 | 345.756 | 0.32 | 0.31 | 0.09 | |
| 14946.00 | 89.940 | 341.900 | 6842.65 | 7940.83 | 7720.79 | -1967.19 | 1696803.79 | 14361918.90 | 39°32'56.6945"N | 80°47'59.8880"W | 7967.46 | 345.706 | 0.79 | -0.59 | 0.53 | |
| 15044.00 | 89.880 | 340.710 | 6842.81 | 8038.83 | 7813.61 | -1998.61 | 1696772.39 | 14362011.69 | 39°32'57.6127"N | 80°48'0.2863"W | 8065.17 | 345.652 | 1.22 | -0.06 | -1.21 | |
| 15140.00 | 90.280 | 341.000 | 6842.67 | 8134.83 | 7904.30 | -2030.09 | 1696740.92 | 14362102.35 | 39°32'58.5097"N | 80°48'0.6857"W | 8160.84 | 345.596 | 0.51 | 0.42 | 0.30 | |
| 15236.00 | 90.400 | 341.560 | 6842.10 | 8230.82 | 7995.22 | -2060.90 | 1696710.12 | 14362193.23 | 39°32'59.4089"N | 80°48'1.0764"W | 8256.57 | 345.546 | 0.60 | 0.12 | 0.58 | |
| 15333.00 | 89.850 | 341.190 | 6841.89 | 8327.82 | 8087.14 | -2091.88 | 1696679.15 | 14362285.11 | 39°33'0.3181"N | 80°48'1.4693"W | 8353.31 | 345.497 | 0.68 | -0.57 | -0.38 | |
| 15429.00 | 89.940 | 341.380 | 6842.07 | 8423.82 | 8178.07 | -2122.68 | 1696648.36 | 14362376.00 | 39°33'1.2174"N | 80°48'1.8599"W | 8449.05 | 345.450 | 0.22 | 0.09 | 0.20 | |
| 15525.00 | 90.400 | 340.990 | 6841.78 | 8519.82 | 8268.94 | -2153.64 | 1696617.42 | 14362466.83 | 39°33'2.1161"N | 80°48'2.2526"W | 8544.79 | 345.402 | 0.63 | 0.48 | -0.41 | |
| 15623.00 | 90.250 | 341.000 | 6841.23 | 8617.82 | 8361.59 | -2185.55 | 1696585.52 | 14362559.45 | 39°33'3.0326"N | 80°48'2.6574"W | 8642.50 | 345.352 | 0.15 | -0.15 | 0.01 | |
| 15720.00 | 90.370 | 341.130 | 6840.70 | 8714.81 | 8453.34 | -2217.03 | 1696554.05 | 14362651.17 | 39°33'3.9401"N | 80°48'3.0566"W | 8739.23 | 345.304 | 0.18 | 0.12 | 0.13 | |
| 15817.00 | 90.060 | 340.870 | 6840.34 | 8811.81 | 8545.06 | -2248.61 | 1696522.48 | 14362742.84 | 39°33'4.8472"N | 80°48'3.4572"W | 8835.96 | 345.257 | 0.42 | -0.32 | -0.27 | |
| 15916.00 | 90.710 | 341.430 | 6839.67 | 8910.81 | 8638.74 | -2280.60 | 1696490.51 | 14362836.49 | 39°33'5.7738"N | 80°48'3.8628"W | 8934.71 | 345.212 | 0.87 | 0.66 | 0.57 | |
| 16013.00 | 90.310 | 341.110 | 6838.81 | 9007.80 | 8730.60 | -2311.74 | 1696459.38 | 14362928.32 | 39°33'6.6824"N | 80°48'4.2579"W | 9031.48 | 345.169 | 0.53 | -0.41 | -0.33 | |
| 16109.00 | 90.680 | 341.320 | 6837.98 | 9103.80 | 8821.49 | -2342.65 | 1696428.48 | 14363019.16 | 39°33'7.5813"N | 80°48'4.6499"W | 9127.25 | 345.128 | 0.44 | 0.39 | 0.22 | |
| 16206.00 | 90.740 | 341.590 | 6836.78 | 9200.79 | 8913.44 | -2373.50 | 1696397.64 | 14363111.08 | 39°33'8.4908"N | 80°48'5.0412"W | 9224.04 | 345.089 | 0.29 | 0.06 | 0.28 | |
| 16303.00 | 89.720 | 340.710 | 6836.39 | 9297.79 | 9005.24 | -2404.84 | 1696366.32 | 14363202.84 | 39°33'9.3987"N | 80°48'5.4387"W | 9320.81 | 345.048 | 1.39 | -1.05 | -0.91 | |
| 16402.00 | 90.280 | 342.560 | 6836.39 | 9396.78 | 9099.19 | -2436.03 | 1696335.14 | 14363296.76 | 39°33'10.3279"N | 80°48'5.8342"W | 9419.63 | 345.012 | 1.95 | 0.57 | 1.87 | |
| 16500.00 | 91.200 | 341.170 | 6835.12 | 9494.75 | 9192.31 | -2466.53 | 1696304.65 | 14363389.84 | 39°33'11.2489"N | 80°48'6.2210"W | 9517.48 | 344.980 | 1.70 | 0.94 | -1.42 | |
| 16597.00 | 89.320 | 340.600 | 6834.68 | 9591.75 | 9283.96 | -2498.29 | 1696272.90 | 14363481.45 | 39°33'12.1554"N | 80°48'6.6239"W | 9614.22 | 344.939 | 2.03 | -1.94 | -0.59 | |
| 16696.00 | 89.910 | 341.320 | 6835.35 | 9690.74 | 9377.54 | -2530.59 | 1696240.62 | 14363574.99 | 39°33'13.0810"N | 80°48'7.0335"W | 9712.99 | 344.898 | 0.94 | 0.60 | 0.73 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWP |
| Slot | Slot E | | |

| WELLPATH DATA (254 stations) | | | | | | | | | | | | | | | | |
|------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
| 16794.00 | 89.750 | 340.940 | 6835.64 | 9788.74 | 9470.27 | -2562.28 | 1696208.94 | 14363667.69 | 39°33'13.9981"N | 80°48'7.4356"W | 9810.77 | 344.860 | 0.42 | -0.16 | -0.39 | |
| 16891.00 | 90.180 | 341.730 | 6835.70 | 9885.74 | 9562.17 | -2593.33 | 1696177.91 | 14363759.55 | 39°33'14.9071"N | 80°48'7.8293"W | 9907.59 | 344.826 | 0.93 | 0.44 | 0.81 | |
| 16989.00 | 89.570 | 340.680 | 6835.91 | 9983.74 | 9654.94 | -2624.90 | 1696146.34 | 14363852.29 | 39°33'15.8246"N | 80°48'8.2298"W | 10005.40 | 344.791 | 1.24 | -0.62 | -1.07 | |
| 17086.00 | 89.820 | 341.080 | 6836.43 | 10080.74 | 9746.59 | -2656.67 | 1696114.59 | 14363943.90 | 39°33'16.7311"N | 80°48'8.6328"W | 10102.17 | 344.753 | 0.49 | 0.26 | 0.41 | |
| 17184.00 | 89.850 | 341.460 | 6836.71 | 10178.74 | 9839.40 | -2688.14 | 1696083.13 | 14364036.67 | 39°33'17.6491"N | 80°48'9.0320"W | 10199.99 | 344.720 | 0.39 | 0.03 | 0.39 | |
| 17281.00 | 89.660 | 340.580 | 6837.13 | 10275.73 | 9931.12 | -2719.69 | 1696051.59 | 14364128.36 | 39°33'18.5563"N | 80°48'9.4322"W | 10296.79 | 344.685 | 0.93 | -0.20 | -0.91 | |
| 17379.00 | 90.550 | 341.150 | 6836.95 | 10373.73 | 10023.70 | -2751.81 | 1696019.48 | 14364220.90 | 39°33'19.4720"N | 80°48'9.8397"W | 10394.57 | 344.649 | 1.08 | 0.91 | 0.58 | |
| 17475.00 | 90.310 | 340.150 | 6836.23 | 10469.73 | 10114.28 | -2783.62 | 1695987.69 | 14364311.44 | 39°33'20.3678"N | 80°48'10.2432"W | 10490.34 | 344.612 | 1.07 | -0.25 | -1.04 | |
| 17572.00 | 90.340 | 341.500 | 6835.68 | 10566.72 | 10205.89 | -2815.48 | 1695955.84 | 14364403.02 | 39°33'21.2740"N | 80°48'10.6474"W | 10587.12 | 344.578 | 1.39 | 0.03 | 1.39 | |
| 17670.00 | 90.250 | 340.700 | 6835.17 | 10664.72 | 10298.61 | -2847.22 | 1695924.11 | 14364495.70 | 39°33'22.1910"N | 80°48'11.0501"W | 10684.94 | 344.546 | 0.82 | -0.09 | -0.82 | |
| 17767.00 | 89.940 | 340.370 | 6835.01 | 10761.72 | 10390.06 | -2879.54 | 1695891.80 | 14364587.12 | 39°33'23.0956"N | 80°48'11.4602"W | 10781.71 | 344.510 | 0.47 | -0.32 | -0.34 | |
| 17865.00 | 90.620 | 340.890 | 6834.53 | 10859.71 | 10482.51 | -2912.05 | 1695859.31 | 14364679.53 | 39°33'24.0100"N | 80°48'11.8726"W | 10879.48 | 344.475 | 0.87 | 0.69 | 0.53 | |
| 17962.00 | 90.490 | 340.770 | 6833.59 | 10956.71 | 10574.13 | -2943.90 | 1695827.47 | 14364771.11 | 39°33'24.9161"N | 80°48'12.2767"W | 10976.28 | 344.442 | 0.18 | -0.13 | -0.12 | |
| 18060.00 | 90.580 | 340.830 | 6832.68 | 11054.70 | 10666.68 | -2976.12 | 1695795.26 | 14364863.62 | 39°33'25.8315"N | 80°48'12.6855"W | 11074.08 | 344.410 | 0.11 | 0.09 | 0.06 | |
| 18158.00 | 90.340 | 341.180 | 6831.89 | 11152.70 | 10759.34 | -3008.02 | 1695763.38 | 14364956.24 | 39°33'26.7480"N | 80°48'13.0902"W | 11171.91 | 344.380 | 0.43 | -0.24 | 0.36 | |
| 18254.00 | 90.090 | 340.770 | 6831.53 | 11248.70 | 10850.09 | -3039.32 | 1695732.09 | 14365046.96 | 39°33'27.6456"N | 80°48'13.4872"W | 11267.74 | 344.351 | 0.50 | -0.26 | -0.43 | |
| 18351.00 | 90.180 | 340.980 | 6831.30 | 11345.70 | 10941.74 | -3071.10 | 1695700.33 | 14365138.57 | 39°33'28.5520"N | 80°48'13.8904"W | 11364.56 | 344.322 | 0.24 | 0.09 | 0.22 | |
| 18448.00 | 90.150 | 341.050 | 6831.02 | 11442.70 | 11033.46 | -3102.65 | 1695668.78 | 14365230.26 | 39°33'29.4592"N | 80°48'14.2907"W | 11461.40 | 344.294 | 0.08 | -0.03 | 0.07 | |
| 18545.00 | 90.090 | 340.370 | 6830.82 | 11539.69 | 11125.01 | -3134.69 | 1695636.75 | 14365321.77 | 39°33'30.3648"N | 80°48'14.6973"W | 11558.21 | 344.264 | 0.70 | -0.06 | -0.70 | |
| 18644.00 | 90.310 | 341.360 | 6830.47 | 11638.69 | 11218.54 | -3167.15 | 1695604.32 | 14365415.27 | 39°33'31.2898"N | 80°48'15.1090"W | 11657.04 | 344.235 | 1.02 | 0.22 | 1.00 | |
| 18741.00 | 90.430 | 341.540 | 6829.85 | 11735.69 | 11310.50 | -3198.00 | 1695573.47 | 14365507.19 | 39°33'32.1993"N | 80°48'15.5004"W | 11753.92 | 344.212 | 0.22 | 0.12 | 0.19 | |
| 18840.00 | 90.520 | 342.340 | 6829.03 | 11834.67 | 11404.62 | -3228.69 | 1695542.79 | 14365601.27 | 39°33'33.1302"N | 80°48'15.8897"W | 11852.84 | 344.193 | 0.81 | 0.09 | 0.81 | |
| 18937.00 | 90.090 | 341.650 | 6828.51 | 11931.65 | 11496.87 | -3258.68 | 1695512.82 | 14365693.48 | 39°33'34.0425"N | 80°48'16.2699"W | 11949.77 | 344.175 | 0.84 | -0.44 | -0.71 | |
| 19032.00 | 90.220 | 341.640 | 6828.25 | 12026.65 | 11587.03 | -3288.59 | 1695482.92 | 14365783.61 | 39°33'34.9343"N | 80°48'16.6494"W | 12044.67 | 344.155 | 0.14 | 0.14 | -0.01 | |
| 19131.00 | 90.400 | 341.220 | 6827.72 | 12125.64 | 11680.88 | -3320.12 | 1695451.40 | 14365877.42 | 39°33'35.8625"N | 80°48'17.0493"W | 12143.56 | 344.133 | 0.46 | 0.18 | -0.42 | |
| 19229.00 | 91.020 | 342.840 | 6826.50 | 12223.62 | 11774.09 | -3350.35 | 1695421.18 | 14365970.59 | 39°33'36.7843"N | 80°48'17.4327"W | 12241.48 | 344.116 | 1.77 | 0.63 | 1.65 | |
| 19328.00 | 90.490 | 341.760 | 6825.20 | 12322.58 | 11868.39 | -3380.45 | 1695391.10 | 14366064.85 | 39°33'37.7170"N | 80°48'17.8143"W | 12340.42 | 344.102 | 1.22 | -0.54 | -1.09 | |
| 19426.00 | 90.800 | 342.040 | 6824.09 | 12420.56 | 11961.53 | -3410.89 | 1695360.67 | 14366157.96 | 39°33'38.6382"N | 80°48'18.2005"W | 12438.35 | 344.084 | 0.43 | 0.32 | 0.29 | |
| 19524.00 | 90.310 | 341.830 | 6823.14 | 12518.55 | 12054.70 | -3441.28 | 1695330.29 | 14366251.09 | 39°33'39.5596"N | 80°48'18.5859"W | 12536.27 | 344.067 | 0.54 | -0.50 | -0.21 | |
| 19622.00 | 90.520 | 341.640 | 6822.44 | 12616.54 | 12147.76 | -3471.99 | 1695299.59 | 14366344.11 | 39°33'40.4800"N | 80°48'18.9755"W | 12634.19 | 344.049 | 0.29 | 0.21 | -0.19 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

| WELLPATH DATA (254 stations) | | | | | | | | | | | | | | | | |
|------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------|
| MD (ft) | Inclination [°] | Azimuth [°] | TVD (ft) | Vert Sect (ft) | North (ft) | East (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude | Closure Dist (ft) | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
| 19720.00 | 90.400 | 341.800 | 6821.65 | 12714.52 | 12240.81 | -3502.73 | 1695268.86 | 14366437.13 | 39°33'41.4003"N | 80°48'19.3653"W | 12732.11 | 344.031 | 0.20 | -0.12 | 0.16 | |
| 19817.00 | 90.520 | 341.660 | 6820.87 | 12811.51 | 12332.92 | -3533.14 | 1695238.47 | 14366529.20 | 39°33'42.3113"N | 80°48'19.7510"W | 12829.03 | 344.014 | 0.19 | 0.12 | -0.14 | |
| 19916.00 | 90.520 | 340.640 | 6819.97 | 12910.51 | 12426.60 | -3565.12 | 1695206.50 | 14366622.85 | 39°33'43.2379"N | 80°48'20.1568"W | 12927.90 | 343.992 | 1.03 | 0.00 | -1.03 | |
| 20012.00 | 90.250 | 340.030 | 6819.33 | 13006.50 | 12517.00 | -3597.43 | 1695174.20 | 14366713.21 | 39°33'44.1320"N | 80°48'20.5668"W | 13023.70 | 343.965 | 0.69 | -0.28 | -0.64 | |
| 20109.00 | 90.620 | 340.330 | 6818.59 | 13103.49 | 12608.25 | -3630.32 | 1695141.33 | 14366804.42 | 39°33'45.0346"N | 80°48'20.9842"W | 13120.49 | 343.937 | 0.49 | 0.38 | 0.31 | |
| 20206.00 | 90.740 | 340.220 | 6817.44 | 13200.47 | 12699.55 | -3663.05 | 1695108.61 | 14366895.69 | 39°33'45.9376"N | 80°48'21.3997"W | 13217.28 | 343.910 | 0.17 | 0.12 | -0.11 | |
| 20304.00 | 90.920 | 341.860 | 6816.02 | 13298.46 | 12792.22 | -3694.89 | 1695076.78 | 14366988.32 | 39°33'46.8542"N | 80°48'21.8036"W | 13315.15 | 343.889 | 1.68 | 0.18 | 1.67 | |
| 20402.00 | 90.890 | 340.780 | 6814.47 | 13396.44 | 12885.05 | -3726.27 | 1695045.41 | 14367081.11 | 39°33'47.7723"N | 80°48'22.2018"W | 13413.04 | 343.870 | 1.10 | -0.03 | -1.10 | |
| 20499.00 | 90.860 | 340.780 | 6812.99 | 13493.43 | 12976.63 | -3758.20 | 1695013.50 | 14367172.65 | 39°33'48.6781"N | 80°48'22.6069"W | 13509.89 | 343.848 | 0.03 | -0.03 | 0.00 | |
| 20597.00 | 91.080 | 341.110 | 6811.33 | 13591.42 | 13069.25 | -3790.19 | 1694981.52 | 14367265.23 | 39°33'49.5941"N | 80°48'23.0129"W | 13607.75 | 343.827 | 0.40 | 0.22 | 0.34 | |
| 20695.00 | 91.170 | 341.030 | 6809.41 | 13689.40 | 13161.93 | -3821.98 | 1694949.75 | 14367357.88 | 39°33'50.5108"N | 80°48'23.4162"W | 13705.62 | 343.808 | 0.12 | 0.09 | -0.08 | |
| 20794.00 | 90.890 | 340.730 | 6807.63 | 13788.38 | 13255.45 | -3854.40 | 1694917.34 | 14367451.37 | 39°33'51.4358"N | 80°48'23.8276"W | 13804.47 | 343.787 | 0.41 | -0.28 | -0.30 | |
| 20892.00 | 91.230 | 341.060 | 6805.81 | 13886.36 | 13348.04 | -3886.47 | 1694885.28 | 14367543.92 | 39°33'52.3515"N | 80°48'24.2345"W | 13902.33 | 343.766 | 0.48 | 0.35 | 0.34 | |
| 20991.00 | 90.400 | 341.040 | 6804.41 | 13985.35 | 13441.66 | -3918.61 | 1694853.15 | 14367637.50 | 39°33'53.2775"N | 80°48'24.6424"W | 14001.21 | 343.747 | 0.84 | -0.84 | -0.02 | |
| 21088.00 | 90.580 | 341.090 | 6803.58 | 14082.35 | 13533.41 | -3950.09 | 1694821.68 | 14367729.21 | 39°33'54.1849"N | 80°48'25.0418"W | 14098.10 | 343.729 | 0.19 | 0.19 | 0.05 | |
| 21186.00 | 90.430 | 340.970 | 6802.71 | 14180.34 | 13626.08 | -3981.94 | 1694789.84 | 14367821.85 | 39°33'55.1015"N | 80°48'25.4460"W | 14195.99 | 343.710 | 0.20 | -0.15 | -0.12 | |
| 21284.00 | 90.650 | 341.000 | 6801.79 | 14278.34 | 13718.73 | -4013.87 | 1694757.92 | 14367914.46 | 39°33'56.0179"N | 80°48'25.8512"W | 14293.87 | 343.691 | 0.23 | 0.22 | 0.03 | |
| 21382.00 | 90.460 | 340.950 | 6800.84 | 14376.33 | 13811.38 | -4045.82 | 1694725.99 | 14368007.07 | 39°33'56.9342"N | 80°48'26.2565"W | 14391.76 | 343.673 | 0.20 | -0.19 | -0.05 | |
| 21480.00 | 89.820 | 341.220 | 6800.60 | 14474.33 | 13904.08 | -4077.59 | 1694694.24 | 14368099.74 | 39°33'57.8511"N | 80°48'26.6596"W | 14489.66 | 343.655 | 0.71 | -0.65 | 0.28 | |
| 21576.00 | 89.690 | 340.810 | 6801.01 | 14570.33 | 13994.86 | -4108.82 | 1694663.02 | 14368190.48 | 39°33'58.7489"N | 80°48'27.0559"W | 14585.56 | 343.638 | 0.45 | -0.14 | -0.43 | |
| 21675.00 | 89.720 | 340.920 | 6801.52 | 14669.33 | 14088.39 | -4141.27 | 1694630.58 | 14368283.97 | 39°33'59.6740"N | 80°48'27.4677"W | 14684.44 | 343.619 | 0.12 | 0.03 | 0.11 | |
| 21771.00 | 89.630 | 340.680 | 6802.06 | 14765.33 | 14179.05 | -4172.84 | 1694599.02 | 14368374.59 | 39°34'0.5706"N | 80°48'27.8684"W | 14780.32 | 343.601 | 0.27 | -0.09 | -0.25 | |
| 21868.00 | 89.970 | 341.250 | 6802.40 | 14862.33 | 14270.74 | -4204.47 | 1694567.40 | 14368466.25 | 39°34'1.4775"N | 80°48'28.2698"W | 14877.22 | 343.584 | 0.68 | 0.35 | 0.59 | |
| 21965.00 | 90.650 | 341.310 | 6801.88 | 14959.32 | 14362.61 | -4235.60 | 1694536.28 | 14368558.08 | 39°34'2.3861"N | 80°48'28.6648"W | 14974.14 | 343.569 | 0.70 | 0.70 | 0.06 | |
| 22062.00 | 90.120 | 340.690 | 6801.23 | 15056.32 | 14454.32 | -4267.18 | 1694504.71 | 14368649.76 | 39°34'3.2932"N | 80°48'29.0656"W | 15071.04 | 343.552 | 0.84 | -0.55 | -0.64 | |
| 22159.00 | 89.690 | 340.930 | 6801.39 | 15153.32 | 14545.93 | -4299.07 | 1694472.84 | 14368741.33 | 39°34'4.1993"N | 80°48'29.4702"W | 15167.93 | 343.535 | 0.51 | -0.44 | 0.25 | |
| 22258.00 | 89.510 | 340.850 | 6802.08 | 15252.32 | 14639.47 | -4331.48 | 1694440.45 | 14368834.83 | 39°34'5.1245"N | 80°48'29.8815"W | 15266.82 | 343.518 | 0.20 | -0.18 | -0.08 | |
| 22356.00 | 89.630 | 340.620 | 6802.81 | 15350.31 | 14731.98 | -4363.81 | 1694408.13 | 14368927.31 | 39°34'6.0394"N | 80°48'30.2919"W | 15364.70 | 343.500 | 0.26 | 0.12 | -0.23 | |
| 22453.00 | 88.460 | 340.030 | 6804.43 | 15447.29 | 14823.30 | -4396.46 | 1694375.49 | 14369018.59 | 39°34'6.9427"N | 80°48'30.7063"W | 15461.54 | 343.480 | 1.35 | -1.21 | -0.61 | |
| 22552.00 | 89.420 | 340.480 | 6806.26 | 15546.26 | 14916.47 | -4429.90 | 1694342.06 | 14369111.72 | 39°34'7.8641"N | 80°48'31.1308"W | 15560.37 | 343.460 | 1.07 | 0.97 | 0.45 | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

WELLPATH DATA (254 stations) † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS ["/100ft] | Build Rate ["/100ft] | Turn Rate ["/100ft] | Comments |
|-----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|----------------------------|
| 22650.00 | 90.000 | 341.670 | 6806.76 | 15644.26 | 15009.17 | -4461.69 | 1694310.29 | 14369204.38 | 39°34'8.7810"N | 80°48'31.5341"W | 15658.28 | 343.445 | 1.35 | 0.59 | 1.21 | |
| 22748.00 | 89.450 | 340.810 | 6807.23 | 15742.26 | 15101.96 | -4493.20 | 1694278.79 | 14369297.14 | 39°34'9.6987"N | 80°48'31.9341"W | 15756.20 | 343.431 | 1.04 | -0.56 | -0.88 | |
| 22846.00 | 90.030 | 341.380 | 6807.67 | 15840.26 | 15194.67 | -4524.95 | 1694247.05 | 14369389.81 | 39°34'10.6157"N | 80°48'32.3370"W | 15854.12 | 343.417 | 0.83 | 0.59 | 0.58 | |
| 22943.00 | 89.510 | 341.140 | 6808.06 | 15937.25 | 15286.53 | -4556.12 | 1694215.90 | 14369481.63 | 39°34'11.5242"N | 80°48'32.7324"W | 15951.05 | 343.403 | 0.59 | -0.54 | -0.25 | |
| 23042.00 | 89.880 | 340.920 | 6808.59 | 16036.25 | 15380.15 | -4588.30 | 1694183.73 | 14369575.21 | 39°34'12.4501"N | 80°48'33.1409"W | 16049.97 | 343.389 | 0.43 | 0.37 | -0.22 | |
| 23139.00 | 89.630 | 340.790 | 6809.00 | 16133.25 | 15471.78 | -4620.11 | 1694151.93 | 14369666.81 | 39°34'13.3564"N | 80°48'33.5446"W | 16146.87 | 343.374 | 0.29 | -0.26 | -0.13 | |
| 23236.00 | 89.880 | 340.860 | 6809.42 | 16230.25 | 15563.40 | -4651.97 | 1694120.08 | 14369758.39 | 39°34'14.2626"N | 80°48'33.9490"W | 16243.77 | 343.358 | 0.27 | 0.26 | 0.07 | |
| 23335.00 | 89.780 | 340.940 | 6809.71 | 16329.25 | 15656.95 | -4684.37 | 1694087.70 | 14369851.91 | 39°34'15.1878"N | 80°48'34.3601"W | 16342.68 | 343.343 | 0.13 | -0.10 | 0.08 | |
| 23432.00 | 89.940 | 341.050 | 6809.95 | 16426.25 | 15748.66 | -4715.95 | 1694056.12 | 14369943.58 | 39°34'16.0949"N | 80°48'34.7610"W | 16439.60 | 343.330 | 0.20 | 0.16 | 0.11 | |
| 23530.00 | 89.600 | 340.920 | 6810.34 | 16524.25 | 15841.31 | -4747.88 | 1694024.21 | 14370036.20 | 39°34'17.0113"N | 80°48'35.1662"W | 16537.52 | 343.316 | 0.37 | -0.35 | -0.13 | |
| 23628.00 | 90.310 | 341.080 | 6810.42 | 16622.25 | 15933.97 | -4779.79 | 1693992.31 | 14370128.82 | 39°34'17.9277"N | 80°48'35.5711"W | 16635.44 | 343.302 | 0.74 | 0.72 | 0.16 | |
| 23726.00 | 90.150 | 341.320 | 6810.03 | 16720.24 | 16026.74 | -4811.37 | 1693960.75 | 14370221.55 | 39°34'18.8452"N | 80°48'35.9719"W | 16733.37 | 343.290 | 0.29 | -0.16 | 0.24 | |
| 23741.00 | 90.280 | 341.190 | 6809.97 | 16735.24 | 16040.95 | -4816.19 | 1693955.93 | 14370235.75 | 39°34'18.9857"N | 80°48'36.0331"W | 16748.36 | 343.288 | 1.23 | 0.87 | -0.87 | |
| 23766.00‡ | 90.280 | 341.190 | 6809.85 | 16760.24 | 16064.61 | -4824.25 | 1693947.87 | 14370259.41 | 39°34'19.2198"N | 80°48'36.1354"W | 16773.35 | 343.285 | 0.00 | 0.00 | 0.00 | Projected MD at TD: 23766' |

HOLE & CASING SECTIONS - Ref Wellbore: Purple Unit 1H AWB Ref Wellpath: Purple Unit 1H AWP Proj: 23766'

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|-----------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 20in Conductor | 25.50 | 126.00 | 100.50 | 25.50 | 126.00 | 0.00 | 0.00 | 0.20 | 0.51 |
| 17.5in Open Hole | 126.00 | 485.00 | 359.00 | 126.00 | 484.99 | 0.20 | 0.51 | 1.48 | 3.03 |
| 13.375in Casing Surface | 25.50 | 465.00 | 439.50 | 25.50 | 464.99 | 0.00 | 0.00 | 1.41 | 2.92 |
| 12.25in Open Hole | 485.00 | 2611.00 | 2126.00 | 484.99 | 2604.59 | 1.48 | 3.03 | -41.34 | 128.38 |
| 9.625in Casing Intermediate | 25.50 | 2591.00 | 2565.50 | 25.50 | 2584.59 | 0.00 | 0.00 | -41.42 | 128.09 |
| 8.75in Open Hole | 2611.00 | 6087.00 | 3476.00 | 2604.59 | 6042.12 | -41.34 | 128.38 | -178.43 | 602.05 |
| 8.5in Open Hole | 6087.00 | 23766.00 | 17679.00 | 6042.12 | 6809.85 | -178.43 | 602.05 | 16064.61 | -4824.25 |
| 5.5in Casing Production | 25.50 | 23746.00 | 23720.50 | 25.50 | 6809.95 | 0.00 | 0.00 | 16045.68 | -4817.80 |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

| WELLPATH DATA (254 stations) † = interpolated, ‡ = extrapolated station | | | | | | | | | | | | | | | | |
|---|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
| 22650.00 | 90.000 | 341.670 | 6806.76 | 15644.26 | 15009.17 | -4461.69 | 1694310.29 | 14369204.38 | 39°34'8.7810"N | 80°48'31.5341"W | 15658.28 | 343.445 | 1.35 | 0.59 | 1.21 | |
| 22748.00 | 89.450 | 340.810 | 6807.23 | 15742.26 | 15101.96 | -4493.20 | 1694278.79 | 14369297.14 | 39°34'9.6987"N | 80°48'31.9341"W | 15756.20 | 343.431 | 1.04 | -0.56 | -0.88 | |
| 22846.00 | 90.030 | 341.380 | 6807.67 | 15840.26 | 15194.67 | -4524.95 | 1694247.05 | 14369389.81 | 39°34'10.6157"N | 80°48'32.3370"W | 15854.12 | 343.417 | 0.83 | 0.59 | 0.58 | |
| 22943.00 | 89.510 | 341.140 | 6808.06 | 15937.25 | 15286.53 | -4556.12 | 1694215.90 | 14369481.63 | 39°34'11.5242"N | 80°48'32.7324"W | 15951.05 | 343.403 | 0.59 | -0.54 | -0.25 | |
| 23042.00 | 89.880 | 340.920 | 6808.59 | 16036.25 | 15380.15 | -4588.30 | 1694183.73 | 14369575.21 | 39°34'12.4501"N | 80°48'33.1409"W | 16049.97 | 343.389 | 0.43 | 0.37 | -0.22 | |
| 23139.00 | 89.630 | 340.790 | 6809.00 | 16133.25 | 15471.78 | -4620.11 | 1694151.93 | 14369666.81 | 39°34'13.3564"N | 80°48'33.5446"W | 16146.87 | 343.374 | 0.29 | -0.26 | -0.13 | |
| 23236.00 | 89.880 | 340.860 | 6809.42 | 16230.25 | 15563.40 | -4651.97 | 1694120.08 | 14369758.39 | 39°34'14.2626"N | 80°48'33.9490"W | 16243.77 | 343.358 | 0.27 | 0.26 | 0.07 | |
| 23335.00 | 89.780 | 340.940 | 6809.71 | 16329.25 | 15656.95 | -4684.37 | 1694087.70 | 14369851.91 | 39°34'15.1878"N | 80°48'34.3601"W | 16342.68 | 343.343 | 0.13 | -0.10 | 0.08 | |
| 23432.00 | 89.940 | 341.050 | 6809.95 | 16426.25 | 15748.66 | -4715.95 | 1694056.12 | 14369943.58 | 39°34'16.0949"N | 80°48'34.7610"W | 16439.60 | 343.330 | 0.20 | 0.16 | 0.11 | |
| 23530.00 | 89.600 | 340.920 | 6810.34 | 16524.25 | 15841.31 | -4747.88 | 1694024.21 | 14370036.20 | 39°34'17.0113"N | 80°48'35.1662"W | 16537.52 | 343.316 | 0.37 | -0.35 | -0.13 | |
| 23628.00 | 90.310 | 341.080 | 6810.42 | 16622.25 | 15933.97 | -4779.79 | 1693992.31 | 14370128.82 | 39°34'17.9277"N | 80°48'35.5711"W | 16635.44 | 343.302 | 0.74 | 0.72 | 0.16 | |
| 23726.00 | 90.150 | 341.320 | 6810.03 | 16720.24 | 16026.74 | -4811.37 | 1693960.75 | 14370221.55 | 39°34'18.8452"N | 80°48'35.9719"W | 16733.37 | 343.290 | 0.29 | -0.16 | 0.24 | |
| 23741.00 | 90.280 | 341.190 | 6809.97 | 16735.24 | 16040.95 | -4816.19 | 1693955.93 | 14370235.75 | 39°34'18.9857"N | 80°48'36.0331"W | 16748.36 | 343.288 | 1.23 | 0.87 | -0.87 | |
| 23766.00‡ | 90.280 | 341.190 | 6809.85 | 16760.24 | 16064.61 | -4824.25 | 1693947.87 | 14370259.41 | 39°34'19.2198"N | 80°48'36.1354"W | 16773.35 | 343.285 | 0.00 | 0.00 | 0.00 | Projected MD at TD: 23766' |

| HOLE & CASING SECTIONS - Ref Wellbore: Purple Unit 1H AWB Ref Wellpath: Purple Unit 1H AWP Proj: 23766' | | | | | | | | | |
|---|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
| 20in Conductor | 25.50 | 126.00 | 100.50 | 25.50 | 126.00 | 0.00 | 0.00 | 0.20 | 0.51 |
| 17.5in Open Hole | 126.00 | 485.00 | 359.00 | 126.00 | 484.99 | 0.20 | 0.51 | 1.48 | 3.03 |
| 13.375in Casing Surface | 25.50 | 465.00 | 439.50 | 25.50 | 464.99 | 0.00 | 0.00 | 1.41 | 2.92 |
| 12.25in Open Hole | 485.00 | 2611.00 | 2126.00 | 484.99 | 2604.59 | 1.48 | 3.03 | -41.34 | 128.38 |
| 9.625in Casing Intermediate | 25.50 | 2591.00 | 2565.50 | 25.50 | 2584.59 | 0.00 | 0.00 | -41.42 | 128.09 |
| 8.75in Open Hole | 2611.00 | 6087.00 | 3476.00 | 2604.59 | 6042.12 | -41.34 | 128.38 | -178.43 | 602.05 |
| 8.5in Open Hole | 6087.00 | 23766.00 | 17679.00 | 6042.12 | 6809.85 | -178.43 | 602.05 | 16064.61 | -4824.25 |
| 5.5in Casing Production | 25.50 | 23746.00 | 23720.50 | 25.50 | 6809.95 | 0.00 | 0.00 | 16045.68 | -4817.80 |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'
Page 11 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

| TARGETS | | | | | | | | |
|----------------------------------|----------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-----------|
| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
| Purple Unit 1H POE Rev-4 | 6849.00 | 363.69 | 562.92 | 1699332.90 | 14354564.74 | 39°31'43.9256"N | 80°47'27.8073"W | point |
| Purple Unit 1H BHL Rev-4 | 6875.00 | 16056.09 | -4835.17 | 1693936.95 | 14370250.89 | 39°34'19.1358"N | 80°48'36.2751"W | point |
| Purple Unit 1H LP Rev-4 | 6875.00 | 544.52 | 500.72 | 1699270.72 | 14354745.49 | 39°31'45.7142"N | 80°47'28.5957"W | point |
| Purple Unit 1H 50' L/R Hard Line | 7000.00 | 8209.89 | -2136.13 | 1696634.92 | 14362407.82 | 39°33'1.5322"N | 80°48'2.0306"W | rectangle |
| 2D Rectangle 16594.9 x 100. | | | | | | | | |

| WELLPATH COMPOSITION - Ref Wellbore: Purple Unit 1H AWB Ref Wellpath: Purple Unit 1H AWP Proj: 23766' | | | | | | | | |
|---|-------------|--|---|--------------------|-------------|--|--|--|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | Survey Date | | | |
| 25.50 | 400.00 | Gyrodata 2015 - GC+WIR+DPIPE | 01 Gyrodata MS Gyro <17-1/2"> (100'-400') | Purple Unit 1H AWB | 07/Dec/2021 | | | |
| 400.00 | 643.00 | Gyrodata 2015 - GC+WIR+DPIPE | 02 Gyrodata MS Gyro <12-1/4"> (400')(500'-643') | Purple Unit 1H AWB | 10/Dec/2021 | | | |
| 643.00 | 2538.00 | BH NaviTrak (2019) (Axial Corr+HRGM) | 03 APS EM <12-1/4"> (643')(682'-2538') | Purple Unit 1H AWB | 07/Dec/2021 | | | |
| 2538.00 | 6026.00 | BH NaviTrak (2019) (Axial Corr+HRGM) | 04 APS EM <8-3/4"> (2538')(2608'-6026') | Purple Unit 1H AWB | 03/Feb/2022 | | | |
| 6026.00 | 23766.00 | BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing) | 05 BH AT Curve <8-1/2"> (6026')(6062'-23741') | Purple Unit 1H AWB | 03/Feb/2022 | | | |



Actual Wellpath Report

Purple Unit 1H AWP Proj: 23766'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------------|----------|--------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | Purple Unit 1H |
| Field | Tyler | API | 47-095-02758-0000 |
| Facility | Thin Air Pad | Wellbore | Purple Unit 1H AWB |
| Slot | Slot E | | |

COMMENTS

Wellpath general comments

API: 47-095-02758-0000

BH Job #: 111128217

Rig: H&P 317

Duration: 2/6/2022-2/11/2022

Gyrodata MS Gyro <17-1/2"> (100'-400')

Gyrodata MS Gyro <12-1/4"> (400')(500'-643')

APS EM <12-1/4"> (643')(682'-2538')

APS EM <8-3/4"> (2538')(2608'-6026')

BH AT Curve <8-1/2"> (6026')(6062'-23741')

Sycamore: 6615' MD

Middlesex: 6773' MD

Burkett: 6941' MD

Tully: 7007' MD

Marcellus POE: 7203' MD

Projected MD at TD: 23766'