



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 1 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| REPORT SETUP INFORMATION | | | |
|--------------------------|------------------------------------|------------------|-----------------------|
| Projection System | NAD27 / UTM Zone 17 North, US feet | Software System | WellArchitect® 6.0 |
| North Reference | Grid | User | Edsaryar |
| Scale | 0.999603 | Report Generated | 29/Nov/2021 at 14:25 |
| Convergence at slot | 0.11° 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 | 129.36 | 145.40 | 1688616.09 | 14350445.46 | 39°31'3.4208"N | 80°49'44.7296"W |
| Facility Reference Pt | | | 1688470.75 | 14350316.15 | 39°31'2.1450"N | 80°49'46.5880"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 | 1066.50ft |
| Horizontal Reference Pt | Slot | H&P 317 (RKB) to Mean Sea Level | 1066.50ft |
| Vertical Reference Pt | H&P 317 (RKB) | H&P 317 (RKB) to Ground Level at Slot (Slot #09) | 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 | 160.95° |

RECEIVED
 Office of Oil and Gas
 MAR 03 2023
 WV Department of
 Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 2 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| WELLPATH DATA (235 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 | 13.020 | 0.00 | 0.00 | 0.00 | 0.00 | 1688616.09 | 14350445.46 | 39°31'3.4208"N | 80°49'44.7296"W | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | |
| 25.50 | 0.000 | 13.020 | 25.50 | 0.00 | 0.00 | 0.00 | 1688616.09 | 14350445.46 | 39°31'3.4208"N | 80°49'44.7296"W | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | |
| 100.00 | 0.230 | 13.020 | 100.00 | -0.13 | 0.15 | 0.03 | 1688616.12 | 14350445.61 | 39°31'3.4223"N | 80°49'44.7292"W | 0.15 | 13.020 | 0.31 | 0.31 | 0.00 | Gyrodata MS Gyro <17-1/2"> (100'-436') |
| 200.00 | 0.100 | 324.700 | 200.00 | -0.38 | 0.41 | 0.03 | 1688616.12 | 14350445.87 | 39°31'3.4249"N | 80°49'44.7293"W | 0.41 | 3.950 | 0.18 | -0.13 | -48.32 | |
| 300.00 | 0.060 | 0.650 | 300.00 | -0.51 | 0.54 | -0.02 | 1688616.07 | 14350446.00 | 39°31'3.4261"N | 80°49'44.7299"W | 0.54 | 357.719 | 0.06 | -0.04 | 35.95 | |
| 400.00 | 0.110 | 181.900 | 400.00 | -0.47 | 0.49 | -0.02 | 1688616.07 | 14350445.95 | 39°31'3.4257"N | 80°49'44.7299"W | 0.49 | 357.216 | 0.17 | 0.05 | -178.75 | |
| 436.00 | 0.160 | 192.890 | 436.00 | -0.40 | 0.41 | -0.04 | 1688616.05 | 14350445.87 | 39°31'3.4249"N | 80°49'44.7301"W | 0.41 | 354.927 | 0.16 | 0.14 | 30.53 | |
| 507.00 | 0.150 | 240.130 | 507.00 | -0.30 | 0.27 | -0.14 | 1688615.95 | 14350445.73 | 39°31'3.4235"N | 80°49'44.7314"W | 0.30 | 332.408 | 0.18 | -0.01 | 66.54 | APS EM <12-1/4"> (436')(507'-2583') |
| 597.00 | 0.260 | 241.960 | 597.00 | -0.24 | 0.11 | -0.42 | 1688615.67 | 14350445.57 | 39°31'3.4220"N | 80°49'44.7350"W | 0.44 | 284.799 | 0.12 | 0.12 | 2.03 | |
| 688.00 | 0.290 | 226.790 | 688.00 | -0.12 | -0.14 | -0.77 | 1688615.32 | 14350445.32 | 39°31'3.4194"N | 80°49'44.7395"W | 0.78 | 259.470 | 0.09 | 0.03 | -16.67 | |
| 778.00 | 0.370 | 260.880 | 778.00 | -0.07 | -0.35 | -1.22 | 1688614.87 | 14350445.11 | 39°31'3.4175"N | 80°49'44.7453"W | 1.27 | 254.246 | 0.23 | 0.09 | 37.88 | |
| 868.00 | 0.350 | 264.370 | 867.99 | -0.19 | -0.42 | -1.78 | 1688614.31 | 14350445.04 | 39°31'3.4167"N | 80°49'44.7524"W | 1.83 | 256.806 | 0.03 | -0.02 | 3.88 | |
| 958.00 | 0.240 | 250.250 | 957.99 | -0.25 | -0.51 | -2.24 | 1688613.86 | 14350444.95 | 39°31'3.4159"N | 80°49'44.7582"W | 2.29 | 257.173 | 0.15 | -0.12 | -15.69 | |
| 1048.00 | 0.370 | 263.080 | 1047.99 | -0.31 | -0.61 | -2.70 | 1688613.39 | 14350444.85 | 39°31'3.4149"N | 80°49'44.7641"W | 2.77 | 257.321 | 0.16 | 0.14 | 14.26 | |
| 1142.00 | 0.370 | 283.140 | 1141.99 | -0.53 | -0.58 | -3.30 | 1688612.79 | 14350444.88 | 39°31'3.4152"N | 80°49'44.7718"W | 3.35 | 260.105 | 0.14 | 0.00 | 21.34 | |
| 1237.00 | 0.290 | 274.320 | 1236.99 | -0.79 | -0.49 | -3.84 | 1688612.25 | 14350444.97 | 39°31'3.4161"N | 80°49'44.7786"W | 3.87 | 262.759 | 0.10 | -0.08 | -9.28 | |
| 1331.00 | 0.330 | 251.610 | 1330.99 | -0.89 | -0.56 | -4.33 | 1688611.76 | 14350444.91 | 39°31'3.4154"N | 80°49'44.7849"W | 4.37 | 262.698 | 0.14 | 0.04 | -24.16 | |
| 1426.00 | 0.330 | 243.150 | 1425.99 | -0.86 | -0.76 | -4.83 | 1688611.26 | 14350444.70 | 39°31'3.4134"N | 80°49'44.7914"W | 4.89 | 261.010 | 0.05 | 0.00 | -8.91 | |
| 1521.00 | 0.330 | 236.730 | 1520.98 | -0.75 | -1.04 | -5.31 | 1688610.78 | 14350444.42 | 39°31'3.4107"N | 80°49'44.7974"W | 5.41 | 258.929 | 0.04 | 0.00 | -6.76 | |
| 1615.00 | 0.450 | 231.180 | 1614.98 | -0.56 | -1.42 | -5.82 | 1688610.27 | 14350444.04 | 39°31'3.4069"N | 80°49'44.8040"W | 5.99 | 256.307 | 0.13 | 0.13 | -5.90 | |
| 1710.00 | 0.530 | 234.020 | 1709.98 | -0.31 | -1.91 | -6.47 | 1688609.62 | 14350443.55 | 39°31'3.4021"N | 80°49'44.8122"W | 6.74 | 253.544 | 0.09 | 0.08 | 2.99 | |
| 1804.00 | 0.750 | 266.190 | 1803.97 | -0.34 | -2.21 | -7.43 | 1688608.66 | 14350443.25 | 39°31'3.3992"N | 80°49'44.8246"W | 7.75 | 253.466 | 0.44 | 0.23 | 34.22 | |
| 1899.00 | 0.520 | 231.850 | 1898.97 | -0.36 | -2.51 | -8.39 | 1688607.70 | 14350442.95 | 39°31'3.3961"N | 80°49'44.8368"W | 8.76 | 253.323 | 0.46 | -0.24 | -36.15 | |
| 1993.00 | 0.410 | 222.780 | 1992.96 | -0.06 | -3.02 | -8.96 | 1688607.14 | 14350442.44 | 39°31'3.3911"N | 80°49'44.8440"W | 9.45 | 251.340 | 0.14 | -0.12 | -9.65 | |
| 2087.00 | 0.470 | 235.930 | 2086.96 | 0.19 | -3.49 | -9.50 | 1688606.59 | 14350441.97 | 39°31'3.3866"N | 80°49'44.8510"W | 10.12 | 249.850 | 0.12 | 0.06 | 13.99 | |
| 2181.00 | 0.400 | 230.210 | 2180.96 | 0.41 | -3.91 | -10.08 | 1688606.02 | 14350441.55 | 39°31'3.3824"N | 80°49'44.8583"W | 10.81 | 248.774 | 0.09 | -0.07 | -6.09 | |
| 2276.00 | 0.970 | 229.810 | 2275.95 | 0.82 | -4.64 | -10.95 | 1688605.15 | 14350440.82 | 39°31'3.3751"N | 80°49'44.8694"W | 11.89 | 247.006 | 0.60 | 0.60 | -0.42 | |
| 2371.00 | 0.570 | 224.480 | 2370.94 | 1.32 | -5.50 | -11.89 | 1688604.20 | 14350439.96 | 39°31'3.3667"N | 80°49'44.8815"W | 13.10 | 245.174 | 0.43 | -0.42 | -5.61 | |
| 2466.00 | 0.420 | 227.370 | 2465.94 | 1.67 | -6.07 | -12.48 | 1688603.62 | 14350439.39 | 39°31'3.3610"N | 80°49'44.8890"W | 13.88 | 244.045 | 0.16 | -0.16 | 3.04 | |
| 2561.00 | 0.480 | 234.880 | 2560.94 | 1.92 | -6.54 | -13.06 | 1688603.04 | 14350438.92 | 39°31'3.3565"N | 80°49'44.8964"W | 14.60 | 243.404 | 0.09 | 0.06 | 7.91 | |

RECEIVED
Office of Oil and Gas
MAR 09 2023
WV Department of
Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 3 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWP |
| Slot | Slot #09 | | |

| WELLPATH DATA (235 stations) | | | | | | | | | | | | | | | | |
|------------------------------|-------------|---------|---------|-----------|--------|--------|------------|-------------|----------------|-----------------|--------------|-------------|-----------|------------|-----------|-------------------------------------|
| 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] | |
| 2583.00 | 0.520 | 245.960 | 2582.93 | 1.95 | -6.63 | -13.23 | 1688602.87 | 14350438.83 | 39°31'3.3555"N | 80°49'44.8986"W | 14.80 | 243.369 | 0.47 | 0.18 | 50.36 | |
| 2652.00 | 0.500 | 233.360 | 2651.93 | 2.07 | -6.94 | -13.75 | 1688602.34 | 14350438.52 | 39°31'3.3525"N | 80°49'44.9053"W | 15.40 | 243.227 | 0.16 | -0.03 | -18.26 | APS EM <8-3/4"> (2583')(2652'-577') |
| 2747.00 | 0.410 | 217.230 | 2746.93 | 2.38 | -7.46 | -14.29 | 1688601.80 | 14350438.01 | 39°31'3.3474"N | 80°49'44.9122"W | 16.12 | 242.445 | 0.16 | -0.09 | -16.98 | |
| 2841.00 | 1.780 | 50.530 | 2840.92 | 2.06 | -6.80 | -13.37 | 1688602.73 | 14350438.67 | 39°31'3.3539"N | 80°49'44.9004"W | 15.00 | 243.049 | 2.32 | 1.46 | -177.34 | |
| 2935.00 | 4.940 | 35.640 | 2934.74 | -0.79 | -2.58 | -9.88 | 1688606.21 | 14350442.88 | 39°31'3.3955"N | 80°49'44.8558"W | 10.21 | 255.375 | 3.46 | 3.36 | -15.84 | |
| 3030.00 | 5.890 | 24.990 | 3029.32 | -6.66 | 5.16 | -5.44 | 1688610.65 | 14350450.62 | 39°31'3.4720"N | 80°49'44.7989"W | 7.50 | 313.514 | 1.45 | 1.00 | -11.21 | |
| 3125.00 | 5.630 | 18.340 | 3123.84 | -13.86 | 14.01 | -1.91 | 1688614.18 | 14350459.46 | 39°31'3.5593"N | 80°49'44.7537"W | 14.14 | 352.220 | 0.75 | -0.27 | -7.00 | |
| 3219.00 | 6.400 | 17.750 | 3217.33 | -21.72 | 23.37 | 1.13 | 1688617.22 | 14350468.82 | 39°31'3.6518"N | 80°49'44.7146"W | 23.40 | 2.779 | 0.82 | 0.82 | -0.63 | |
| 3314.00 | 10.200 | 33.860 | 3311.33 | -31.04 | 35.41 | 7.44 | 1688623.53 | 14350480.85 | 39°31'3.7706"N | 80°49'44.6339"W | 36.18 | 11.865 | 4.65 | 4.00 | 16.96 | |
| 3409.00 | 10.900 | 32.080 | 3404.72 | -41.75 | 50.00 | 16.90 | 1688632.98 | 14350495.44 | 39°31'3.9147"N | 80°49'44.5128"W | 52.78 | 18.670 | 0.81 | 0.74 | -1.87 | |
| 3503.00 | 10.480 | 25.910 | 3497.09 | -53.38 | 65.22 | 25.35 | 1688641.43 | 14350510.66 | 39°31'4.0650"N | 80°49'44.4046"W | 69.98 | 21.241 | 1.30 | -0.45 | -6.56 | |
| 3598.00 | 12.480 | 25.610 | 3590.19 | -66.79 | 82.25 | 33.56 | 1688649.64 | 14350527.68 | 39°31'4.2331"N | 80°49'44.2994"W | 88.84 | 22.199 | 2.11 | 2.11 | -0.32 | |
| 3693.00 | 12.910 | 20.790 | 3682.87 | -82.24 | 101.43 | 41.77 | 1688657.84 | 14350546.85 | 39°31'4.4225"N | 80°49'44.1942"W | 109.69 | 22.382 | 1.20 | 0.45 | -5.07 | |
| 3788.00 | 12.360 | 13.760 | 3775.57 | -98.94 | 121.23 | 47.95 | 1688664.03 | 14350566.64 | 39°31'4.6181"N | 80°49'44.1148"W | 130.37 | 21.582 | 1.72 | -0.58 | -7.40 | |
| 3883.00 | 13.340 | 21.240 | 3868.20 | -115.84 | 141.32 | 54.34 | 1688670.41 | 14350586.72 | 39°31'4.8165"N | 80°49'44.0328"W | 151.41 | 21.034 | 2.03 | 1.03 | 7.87 | |
| 3977.00 | 13.330 | 21.060 | 3959.66 | -132.40 | 161.54 | 62.17 | 1688678.23 | 14350606.94 | 39°31'5.0162"N | 80°49'43.9325"W | 173.09 | 21.048 | 0.05 | -0.01 | -0.19 | |
| 4072.00 | 12.450 | 16.080 | 4052.27 | -149.16 | 181.60 | 68.94 | 1688685.00 | 14350626.99 | 39°31'5.2144"N | 80°49'43.8456"W | 194.25 | 20.787 | 1.49 | -0.93 | -5.24 | |
| 4167.00 | 11.120 | 13.020 | 4145.27 | -165.29 | 200.37 | 73.84 | 1688689.90 | 14350645.75 | 39°31'5.3999"N | 80°49'43.7826"W | 213.54 | 20.230 | 1.55 | -1.40 | -3.22 | |
| 4262.00 | 10.420 | 26.580 | 4238.61 | -179.07 | 216.98 | 79.75 | 1688695.81 | 14350662.33 | 39°31'5.5638"N | 80°49'43.7068"W | 231.17 | 20.180 | 2.76 | -0.74 | 14.27 | |
| 4357.00 | 13.020 | 40.850 | 4331.64 | -190.45 | 232.76 | 90.60 | 1688706.65 | 14350678.13 | 39°31'5.7196"N | 80°49'43.5680"W | 249.77 | 21.267 | 4.08 | 2.74 | 15.02 | |
| 4451.00 | 13.070 | 37.670 | 4423.21 | -201.59 | 249.19 | 104.02 | 1688720.07 | 14350694.55 | 39°31'5.8817"N | 80°49'43.3963"W | 270.02 | 22.657 | 0.77 | 0.05 | -3.38 | |
| 4546.00 | 12.210 | 32.390 | 4515.91 | -213.75 | 266.17 | 115.96 | 1688732.01 | 14350711.53 | 39°31'6.0493"N | 80°49'43.2435"W | 290.34 | 23.541 | 1.52 | -0.91 | -5.56 | |
| 4641.00 | 13.790 | 30.540 | 4608.48 | -227.35 | 284.41 | 127.10 | 1688743.14 | 14350729.76 | 39°31'6.2294"N | 80°49'43.1010"W | 311.52 | 24.079 | 1.72 | 1.66 | -1.95 | |
| 4735.00 | 13.270 | 22.790 | 4699.87 | -242.65 | 304.01 | 136.97 | 1688753.01 | 14350749.34 | 39°31'6.4229"N | 80°49'42.9745"W | 333.44 | 24.254 | 2.00 | -0.55 | -8.24 | |
| 4830.00 | 13.530 | 27.440 | 4792.29 | -258.42 | 323.92 | 146.32 | 1688762.35 | 14350769.25 | 39°31'6.6195"N | 80°49'42.8548"W | 355.43 | 24.309 | 1.17 | 0.27 | 4.89 | |
| 4925.00 | 13.270 | 24.830 | 4884.71 | -273.93 | 343.68 | 156.02 | 1688772.04 | 14350789.00 | 39°31'6.8146"N | 80°49'42.7305"W | 377.43 | 24.416 | 0.69 | -0.27 | -2.75 | |
| 5020.00 | 12.550 | 17.890 | 4977.31 | -290.04 | 363.40 | 163.77 | 1688779.79 | 14350808.71 | 39°31'7.0093"N | 80°49'42.6312"W | 398.59 | 24.259 | 1.80 | -0.76 | -7.31 | |
| 5114.00 | 12.490 | 27.960 | 5069.08 | -305.14 | 382.10 | 171.67 | 1688787.69 | 14350827.40 | 39°31'7.1940"N | 80°49'42.5299"W | 418.89 | 24.194 | 2.32 | -0.06 | 10.71 | |
| 5209.00 | 14.900 | 36.170 | 5161.39 | -319.11 | 401.04 | 183.70 | 1688799.71 | 14350846.33 | 39°31'7.3809"N | 80°49'42.3759"W | 441.11 | 24.611 | 3.25 | 2.54 | 8.64 | |
| 5304.00 | 14.710 | 28.520 | 5253.24 | -334.22 | 421.49 | 196.67 | 1688812.68 | 14350866.79 | 39°31'7.5829"N | 80°49'42.2100"W | 465.12 | 25.013 | 2.07 | -0.20 | -8.05 | |

RECEIVED
Office of Oil and Gas
MAR 03 2023
WV Department of
Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 4 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| WELLPATH DATA (235 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] | |
| 5398.00 | 14.250 | 18.880 | 5344.27 | -351.40 | 442.93 | 206.11 | 1688822.12 | 14350888.21 | 39°31'7.7946"N | 80°49'42.0889"W | 488.54 | 24.954 | 2.61 | -0.49 | -10.26 | |
| 5493.00 | 13.650 | 21.520 | 5436.47 | -369.14 | 464.42 | 214.00 | 1688830.01 | 14350909.70 | 39°31'8.0069"N | 80°49'41.9877"W | 511.36 | 24.740 | 0.92 | -0.63 | 2.78 | |
| 5588.00 | 13.490 | 14.400 | 5528.82 | -386.90 | 485.58 | 220.87 | 1688836.87 | 14350930.85 | 39°31'8.2159"N | 80°49'41.8995"W | 533.46 | 24.459 | 1.77 | -0.17 | -7.49 | |
| 5682.00 | 11.850 | 17.800 | 5620.53 | -403.77 | 505.40 | 226.55 | 1688842.55 | 14350950.65 | 39°31'8.4116"N | 80°49'41.8266"W | 553.85 | 24.145 | 1.92 | -1.74 | 3.62 | |
| 5777.00 | 12.630 | 18.550 | 5713.37 | -419.81 | 524.53 | 232.84 | 1688848.83 | 14350969.78 | 39°31'8.6006"N | 80°49'41.7459"W | 573.89 | 23.936 | 0.84 | 0.82 | 0.79 | |
| 5888.00 | 8.510 | 28.770 | 5822.47 | -434.94 | 543.24 | 240.65 | 1688856.65 | 14350988.49 | 39°31'8.7854"N | 80°49'41.6457"W | 594.16 | 23.893 | 4.06 | -3.71 | 9.21 | BH AT Curve <8-1/2"> (5777')(5888'-21256') |
| 5983.00 | 9.100 | 83.530 | 5916.51 | -438.03 | 550.26 | 251.52 | 1688867.51 | 14350995.50 | 39°31'8.8545"N | 80°49'41.5069"W | 605.02 | 24.565 | 8.52 | 0.62 | 57.64 | |
| 6077.00 | 13.040 | 114.410 | 6008.82 | -429.11 | 546.71 | 268.58 | 1688884.57 | 14350991.96 | 39°31'8.8191"N | 80°49'41.2892"W | 609.12 | 26.163 | 7.43 | 4.19 | 32.85 | |
| 6172.00 | 17.390 | 136.790 | 6100.54 | -408.76 | 531.92 | 288.09 | 1688904.06 | 14350977.17 | 39°31'8.6725"N | 80°49'41.0407"W | 604.92 | 28.440 | 7.61 | 4.58 | 23.56 | |
| 6266.00 | 24.790 | 144.770 | 6188.20 | -376.96 | 505.54 | 309.11 | 1688925.07 | 14350950.80 | 39°31'8.4114"N | 80°49'40.7731"W | 592.55 | 31.443 | 8.43 | 7.87 | 8.49 | |
| 6361.00 | 28.780 | 152.350 | 6273.02 | -335.19 | 468.99 | 331.23 | 1688947.18 | 14350914.26 | 39°31'8.0498"N | 80°49'40.4918"W | 574.16 | 35.232 | 5.52 | 4.20 | 7.98 | |
| 6424.00† | 32.610 | 156.012 | 6327.19 | -303.27 | 440.03 | 345.17 | 1688961.12 | 14350885.32 | 39°31'7.7633"N | 80°49'40.3145"W | 559.26 | 38.111 | 6.76 | 6.08 | 5.81 | Sycamore: 6424' MD |
| 6456.00 | 34.590 | 157.590 | 6353.84 | -285.61 | 423.75 | 352.14 | 1688968.09 | 14350869.05 | 39°31'7.6023"N | 80°49'40.2260"W | 550.97 | 39.727 | 6.76 | 6.19 | 4.93 | |
| 6550.00 | 40.180 | 163.000 | 6428.52 | -228.61 | 370.03 | 371.20 | 1688987.14 | 14350815.34 | 39°31'7.0710"N | 80°49'39.9841"W | 524.13 | 45.090 | 6.89 | 5.95 | 5.76 | |
| 6552.00† | 40.407 | 162.991 | 6430.05 | -227.32 | 368.80 | 371.58 | 1688987.52 | 14350814.11 | 39°31'7.0588"N | 80°49'39.9793"W | 523.53 | 45.215 | 11.34 | 11.34 | -0.44 | Middlesex: 6552' MD |
| 6645.00 | 50.950 | 162.650 | 6494.93 | -160.91 | 305.32 | 391.22 | 1689007.15 | 14350750.66 | 39°31'6.4311"N | 80°49'39.7303"W | 496.26 | 52.030 | 11.34 | 11.34 | -0.37 | |
| 6706.00† | 57.293 | 161.942 | 6530.67 | -111.52 | 258.27 | 406.25 | 1689022.18 | 14350703.62 | 39°31'5.9657"N | 80°49'39.5396"W | 481.40 | 57.555 | 10.44 | 10.40 | -1.16 | Burkett: 6706' MD |
| 6740.00 | 60.830 | 161.590 | 6548.14 | -82.37 | 230.57 | 415.38 | 1689031.30 | 14350675.94 | 39°31'5.6918"N | 80°49'39.4238"W | 475.08 | 60.966 | 10.44 | 10.40 | -1.03 | |
| 6756.00† | 62.441 | 161.329 | 6555.74 | -68.29 | 217.23 | 419.85 | 1689035.78 | 14350662.60 | 39°31'5.5598"N | 80°49'39.3670"W | 472.72 | 62.644 | 10.17 | 10.07 | -1.63 | Fully: 6756' MD |
| 6835.00 | 70.400 | 160.140 | 6587.32 | 4.05 | 148.94 | 443.75 | 1689059.66 | 14350594.34 | 39°31'4.8845"N | 80°49'39.0638"W | 468.07 | 71.446 | 10.17 | 10.07 | -1.51 | |
| 6882.00 | 75.840 | 160.870 | 6600.96 | 49.01 | 106.56 | 458.74 | 1689074.65 | 14350551.98 | 39°31'4.4654"N | 80°49'38.8735"W | 470.96 | 76.923 | 11.67 | 11.57 | 1.55 | |
| 6929.00 | 77.540 | 159.360 | 6611.78 | 94.74 | 63.55 | 474.30 | 1689090.20 | 14350508.99 | 39°31'4.0400"N | 80°49'38.6760"W | 478.54 | 82.368 | 4.78 | 3.62 | -3.21 | |
| 6947.00† | 78.415 | 159.512 | 6615.53 | 112.34 | 47.07 | 480.49 | 1689096.38 | 14350492.51 | 39°31'3.8770"N | 80°49'38.5975"W | 482.79 | 84.405 | 4.93 | 4.86 | 0.84 | Marcellus POE: 6947' MD |
| 7024.00 | 82.160 | 160.150 | 6628.52 | 188.20 | -24.16 | 506.65 | 1689122.54 | 14350421.31 | 39°31'3.1725"N | 80°49'38.2654"W | 507.22 | 92.730 | 4.93 | 4.86 | 0.83 | |
| 7119.00 | 87.380 | 161.420 | 6637.18 | 282.77 | -113.46 | 537.77 | 1689153.64 | 14350332.04 | 39°31'2.2893"N | 80°49'37.8705"W | 549.61 | 101.914 | 5.65 | 5.49 | 1.34 | |
| 7214.00 | 89.600 | 159.550 | 6639.68 | 377.73 | -202.97 | 569.49 | 1689185.35 | 14350242.58 | 39°31'1.4041"N | 80°49'37.4680"W | 604.58 | 109.616 | 3.05 | 2.34 | -1.97 | |
| 7308.00 | 89.600 | 160.140 | 6640.34 | 471.71 | -291.21 | 601.88 | 1689217.73 | 14350154.37 | 39°31'0.5314"N | 80°49'37.0569"W | 668.62 | 115.819 | 0.63 | 0.00 | 0.63 | |
| 7403.00 | 88.890 | 159.810 | 6641.59 | 566.68 | -380.46 | 634.41 | 1689250.24 | 14350065.16 | 39°30'59.6487"N | 80°49'36.6440"W | 739.74 | 120.951 | 0.82 | -0.75 | -0.35 | |
| 7498.00 | 89.230 | 159.690 | 6643.15 | 661.65 | -469.57 | 667.28 | 1689283.11 | 14349976.08 | 39°30'58.7673"N | 80°49'36.2267"W | 815.94 | 125.134 | 0.38 | 0.36 | -0.13 | |
| 7594.00 | 88.980 | 159.070 | 6644.65 | 757.60 | -559.41 | 701.09 | 1689316.90 | 14349886.27 | 39°30'57.8788"N | 80°49'35.7976"W | 896.92 | 128.587 | 0.70 | -0.26 | -0.65 | |

RECEIVED
Office of Oil and Gas
MAR 03 2023
Wy Department of
Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 5 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| WELLPATH DATA (235 stations) | | | | | | | | | | | | | | | | |
|------------------------------|-------------|---------|---------|-----------|----------|---------|------------|-------------|-----------------|-----------------|--------------|-------------|-----------|------------|-----------|----------|
| 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] | |
| 7687.00 | 89.450 | 158.960 | 6645.92 | 850.54 | -646.23 | 734.39 | 1689350.18 | 14349799.49 | 39°30'57.0200"N | 80°49'35.3748"W | 978.23 | 131.347 | 0.52 | 0.51 | -0.12 | |
| 7782.00 | 89.720 | 159.020 | 6646.61 | 945.48 | -734.91 | 768.45 | 1689384.23 | 14349710.84 | 39°30'56.1429"N | 80°49'34.9424"W | 1063.30 | 133.722 | 0.29 | 0.28 | 0.06 | |
| 7877.00 | 89.170 | 159.430 | 6647.53 | 1040.43 | -823.73 | 802.14 | 1689417.91 | 14349622.06 | 39°30'55.2645"N | 80°49'34.5146"W | 1149.77 | 135.761 | 0.72 | -0.58 | 0.43 | |
| 7971.00 | 88.920 | 160.790 | 6649.10 | 1134.41 | -912.11 | 834.12 | 1689449.87 | 14349533.71 | 39°30'54.3904"N | 80°49'34.1088"W | 1236.00 | 137.557 | 1.47 | -0.27 | 1.45 | |
| 8065.00 | 89.050 | 160.850 | 6650.76 | 1228.39 | -1000.88 | 864.99 | 1689480.74 | 14349444.98 | 39°30'53.5125"N | 80°49'33.7170"W | 1322.87 | 139.165 | 0.15 | 0.14 | 0.06 | |
| 8160.00 | 88.800 | 160.800 | 6652.54 | 1323.38 | -1090.59 | 896.19 | 1689511.92 | 14349355.30 | 39°30'52.6252"N | 80°49'33.3212"W | 1411.58 | 140.588 | 0.27 | -0.26 | -0.05 | |
| 8255.00 | 90.520 | 159.990 | 6653.11 | 1418.37 | -1180.08 | 928.07 | 1689543.79 | 14349265.85 | 39°30'51.7402"N | 80°49'32.9167"W | 1501.30 | 141.817 | 2.00 | 1.81 | -0.85 | |
| 8349.00 | 89.170 | 160.580 | 6653.36 | 1512.36 | -1268.57 | 959.78 | 1689575.48 | 14349177.40 | 39°30'50.8650"N | 80°49'32.5143"W | 1590.73 | 142.889 | 1.57 | -1.44 | 0.63 | |
| 8444.00 | 89.080 | 160.880 | 6654.81 | 1607.35 | -1358.23 | 991.12 | 1689606.82 | 14349087.77 | 39°30'49.9782"N | 80°49'32.1165"W | 1681.41 | 143.881 | 0.33 | -0.09 | 0.32 | |
| 8538.00 | 88.920 | 161.050 | 6656.45 | 1701.33 | -1447.08 | 1021.78 | 1689637.46 | 14348998.96 | 39°30'49.0995"N | 80°49'31.7276"W | 1771.46 | 144.774 | 0.25 | -0.17 | 0.18 | |
| 8633.00 | 89.600 | 160.710 | 6657.68 | 1796.32 | -1536.83 | 1052.89 | 1689668.56 | 14348909.24 | 39°30'48.2119"N | 80°49'31.3328"W | 1862.91 | 145.585 | 0.80 | 0.72 | -0.36 | |
| 8728.00 | 89.380 | 160.620 | 6658.53 | 1891.32 | -1626.47 | 1084.34 | 1689700.00 | 14348819.64 | 39°30'47.3254"N | 80°49'30.9338"W | 1954.79 | 146.309 | 0.25 | -0.23 | -0.09 | |
| 8823.00 | 89.510 | 160.850 | 6659.45 | 1986.31 | -1716.15 | 1115.69 | 1689731.33 | 14348730.00 | 39°30'46.4385"N | 80°49'30.5361"W | 2046.93 | 146.972 | 0.28 | 0.14 | 0.24 | |
| 8918.00 | 89.170 | 160.860 | 6660.54 | 2081.31 | -1805.89 | 1146.84 | 1689762.47 | 14348640.30 | 39°30'45.5509"N | 80°49'30.1408"W | 2139.27 | 147.582 | 0.36 | -0.36 | 0.01 | |
| 9012.00 | 89.940 | 160.770 | 6661.27 | 2175.30 | -1894.66 | 1177.73 | 1689793.35 | 14348551.55 | 39°30'44.6729"N | 80°49'29.7489"W | 2230.87 | 148.135 | 0.82 | 0.82 | -0.10 | |
| 9107.00 | 89.690 | 160.740 | 6661.58 | 2270.30 | -1984.35 | 1209.04 | 1689824.65 | 14348461.90 | 39°30'43.7859"N | 80°49'29.3516"W | 2323.67 | 148.647 | 0.27 | -0.26 | -0.03 | |
| 9202.00 | 90.220 | 159.510 | 6661.65 | 2365.29 | -2073.69 | 1241.34 | 1689856.93 | 14348372.60 | 39°30'42.9023"N | 80°49'28.9418"W | 2416.84 | 149.095 | 1.41 | 0.56 | -1.29 | |
| 9297.00 | 90.370 | 158.850 | 6661.16 | 2460.24 | -2162.49 | 1275.10 | 1689890.68 | 14348283.84 | 39°30'42.0241"N | 80°49'28.5131"W | 2510.43 | 149.474 | 0.71 | 0.16 | -0.69 | |
| 9391.00 | 88.890 | 159.920 | 6661.77 | 2554.20 | -2250.46 | 1308.20 | 1689923.77 | 14348195.90 | 39°30'41.1539"N | 80°49'28.0931"W | 2603.07 | 149.830 | 1.94 | -1.57 | 1.14 | |
| 9486.00 | 90.950 | 161.530 | 6661.90 | 2649.19 | -2340.13 | 1339.55 | 1689955.11 | 14348106.27 | 39°30'40.2671"N | 80°49'27.6952"W | 2696.41 | 150.212 | 2.75 | 2.17 | 1.69 | |
| 9581.00 | 89.230 | 160.820 | 6661.75 | 2744.19 | -2430.04 | 1370.21 | 1689985.75 | 14348016.39 | 39°30'39.3779"N | 80°49'27.3064"W | 2789.73 | 150.583 | 1.96 | -1.81 | -0.75 | |
| 9675.00 | 89.570 | 160.480 | 6662.74 | 2838.18 | -2518.73 | 1401.35 | 1690016.88 | 14347927.74 | 39°30'38.5008"N | 80°49'26.9112"W | 2882.32 | 150.910 | 0.51 | 0.36 | -0.36 | |
| 9770.00 | 89.320 | 159.990 | 6663.66 | 2933.17 | -2608.13 | 1433.48 | 1690048.99 | 14347838.37 | 39°30'37.6166"N | 80°49'26.5036"W | 2976.10 | 151.206 | 0.58 | -0.26 | -0.52 | |
| 9864.00 | 89.720 | 160.190 | 6664.45 | 3027.15 | -2696.51 | 1465.49 | 1690080.99 | 14347750.03 | 39°30'36.7425"N | 80°49'26.0974"W | 3069.00 | 151.477 | 0.48 | 0.43 | 0.21 | |
| 9959.00 | 89.750 | 160.600 | 6664.88 | 3122.15 | -2786.00 | 1497.36 | 1690112.85 | 14347660.58 | 39°30'35.8574"N | 80°49'25.6930"W | 3162.89 | 151.744 | 0.43 | 0.03 | 0.43 | |
| 10053.00 | 89.170 | 160.510 | 6665.77 | 3216.14 | -2874.63 | 1528.65 | 1690144.13 | 14347571.98 | 39°30'34.9808"N | 80°49'25.2959"W | 3255.81 | 151.997 | 0.62 | -0.62 | -0.10 | |
| 10148.00 | 89.780 | 160.050 | 6666.64 | 3311.13 | -2964.05 | 1560.71 | 1690176.17 | 14347482.59 | 39°30'34.0964"N | 80°49'24.8892"W | 3349.84 | 152.231 | 0.80 | 0.64 | -0.48 | |
| 10242.00 | 88.950 | 160.250 | 6667.68 | 3405.11 | -3052.46 | 1592.62 | 1690208.08 | 14347394.22 | 39°30'33.2220"N | 80°49'24.4842"W | 3442.96 | 152.447 | 0.91 | -0.88 | 0.21 | |
| 10337.00 | 89.230 | 160.180 | 6669.19 | 3500.09 | -3141.84 | 1624.77 | 1690240.22 | 14347304.87 | 39°30'32.3380"N | 80°49'24.0763"W | 3537.10 | 152.655 | 0.30 | 0.29 | -0.07 | |
| 10431.00 | 90.280 | 160.100 | 6669.59 | 3594.08 | -3230.25 | 1656.71 | 1690272.14 | 14347216.50 | 39°30'31.4636"N | 80°49'23.6711"W | 3630.32 | 152.848 | 1.12 | 1.12 | -0.09 | |

RECEIVED
Office of Oil and Gas
MAR 03 2023
WV Department of
Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 6 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| WELLPATH DATA (235 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 |
| 10526.00 | 89.290 | 160.480 | 6669.95 | 3689.07 | -3319.68 | 1688.75 | 1690304.16 | 14347127.10 | 39°30'30.5791"N | 80°49'23.2645"W | 3724.54 | 153.037 | 1.12 | -1.04 | 0.40 | |
| 10715.00 | 89.260 | 159.700 | 6672.34 | 3878.04 | -3497.37 | 1753.10 | 1690368.49 | 14346949.49 | 39°30'28.8217"N | 80°49'22.4479"W | 3912.16 | 153.377 | 0.41 | -0.02 | -0.41 | |
| 10810.00 | 90.220 | 160.290 | 6672.77 | 3973.02 | -3586.64 | 1785.60 | 1690400.98 | 14346860.26 | 39°30'27.9389"N | 80°49'22.0355"W | 4006.54 | 153.534 | 1.19 | 1.01 | 0.62 | |
| 10904.00 | 89.850 | 160.360 | 6672.72 | 4067.01 | -3675.15 | 1817.25 | 1690432.62 | 14346771.78 | 39°30'27.0634"N | 80°49'21.6340"W | 4099.89 | 153.689 | 0.40 | -0.39 | 0.07 | |
| 10999.00 | 89.850 | 160.380 | 6672.96 | 4162.01 | -3764.63 | 1849.17 | 1690464.52 | 14346682.34 | 39°30'26.1785"N | 80°49'21.2290"W | 4194.26 | 153.840 | 0.02 | 0.00 | 0.02 | |
| 11094.00 | 89.970 | 161.640 | 6673.11 | 4257.01 | -3854.46 | 1880.08 | 1690495.42 | 14346592.54 | 39°30'25.2901"N | 80°49'20.8369"W | 4288.53 | 153.998 | 1.33 | 0.13 | 1.33 | |
| 11188.00 | 89.630 | 161.040 | 6673.44 | 4351.00 | -3943.51 | 1910.15 | 1690525.48 | 14346503.52 | 39°30'24.4093"N | 80°49'20.4555"W | 4381.78 | 154.155 | 0.73 | -0.36 | -0.64 | |
| 11283.00 | 89.200 | 161.240 | 6674.41 | 4446.00 | -4033.41 | 1940.86 | 1690556.18 | 14346413.66 | 39°30'23.5202"N | 80°49'20.0660"W | 4476.08 | 154.303 | 0.50 | -0.45 | 0.21 | |
| 11378.00 | 89.140 | 160.690 | 6675.79 | 4540.99 | -4123.20 | 1971.84 | 1690587.14 | 14346323.90 | 39°30'22.6322"N | 80°49'19.6730"W | 4570.44 | 154.441 | 0.58 | -0.06 | -0.58 | |
| 11473.00 | 89.140 | 161.210 | 6677.21 | 4635.98 | -4212.99 | 2002.85 | 1690618.14 | 14346234.15 | 39°30'21.7442"N | 80°49'19.2797"W | 4664.83 | 154.574 | 0.55 | 0.00 | 0.55 | |
| 11567.00 | 90.120 | 160.760 | 6677.82 | 4729.97 | -4301.86 | 2033.47 | 1690648.75 | 14346145.32 | 39°30'20.8653"N | 80°49'18.8912"W | 4758.25 | 154.700 | 1.15 | 1.04 | -0.48 | |
| 11662.00 | 89.880 | 161.060 | 6677.82 | 4824.97 | -4391.63 | 2064.54 | 1690679.81 | 14346055.58 | 39°30'19.9774"N | 80°49'18.4971"W | 4852.71 | 154.821 | 0.40 | -0.25 | 0.32 | |
| 11756.00 | 90.090 | 160.970 | 6677.84 | 4918.97 | -4480.52 | 2095.12 | 1690710.37 | 14345966.73 | 39°30'19.0983"N | 80°49'18.1092"W | 4946.17 | 154.939 | 0.24 | 0.22 | -0.10 | |
| 11850.00 | 89.780 | 160.810 | 6677.95 | 5012.97 | -4569.34 | 2125.89 | 1690741.14 | 14345877.95 | 39°30'18.2198"N | 80°49'17.7189"W | 5039.67 | 155.050 | 0.37 | -0.33 | -0.17 | |
| 11945.00 | 89.570 | 161.340 | 6678.49 | 5107.97 | -4659.20 | 2156.71 | 1690771.93 | 14345788.12 | 39°30'17.3311"N | 80°49'17.3281"W | 5134.15 | 155.161 | 0.80 | -0.22 | 0.56 | |
| 12039.00 | 90.090 | 161.690 | 6678.77 | 5201.97 | -4748.35 | 2186.51 | 1690801.73 | 14345699.00 | 39°30'16.4494"N | 80°49'16.9501"W | 5227.59 | 155.275 | 0.67 | 0.55 | 0.37 | |
| 12133.00 | 89.970 | 160.740 | 6678.72 | 5295.96 | -4837.34 | 2216.78 | 1690831.98 | 14345610.05 | 39°30'15.5693"N | 80°49'16.5662"W | 5321.09 | 155.380 | 1.02 | -0.13 | -1.01 | |
| 12228.00 | 90.180 | 160.850 | 6678.60 | 5390.96 | -4927.06 | 2248.03 | 1690863.22 | 14345520.37 | 39°30'14.6820"N | 80°49'16.1698"W | 5415.67 | 155.475 | 0.25 | 0.22 | 0.12 | |
| 12322.00 | 89.880 | 161.220 | 6678.55 | 5484.96 | -5015.95 | 2278.58 | 1690893.76 | 14345431.51 | 39°30'13.8028"N | 80°49'15.7823"W | 5509.24 | 155.569 | 0.51 | -0.32 | 0.39 | |
| 12416.00 | 90.150 | 160.580 | 6678.52 | 5578.96 | -5104.78 | 2309.34 | 1690924.50 | 14345342.72 | 39°30'12.9243"N | 80°49'15.3922"W | 5602.84 | 155.659 | 0.74 | 0.29 | -0.68 | |
| 12511.00 | 89.720 | 160.650 | 6678.63 | 5673.96 | -5194.39 | 2340.87 | 1690956.02 | 14345253.14 | 39°30'12.0380"N | 80°49'14.9922"W | 5697.49 | 155.741 | 0.46 | -0.45 | 0.07 | |
| 12605.00 | 89.820 | 161.170 | 6679.01 | 5767.96 | -5283.22 | 2371.61 | 1690986.75 | 14345164.35 | 39°30'11.1595"N | 80°49'14.6022"W | 5791.11 | 155.825 | 0.56 | 0.11 | 0.55 | |
| 12700.00 | 90.250 | 160.980 | 6678.95 | 5862.96 | -5373.09 | 2402.42 | 1691017.55 | 14345074.52 | 39°30'10.2707"N | 80°49'14.2115"W | 5885.72 | 155.910 | 0.49 | 0.45 | -0.20 | |
| 12794.00 | 90.000 | 161.460 | 6678.74 | 5956.96 | -5462.08 | 2432.68 | 1691047.80 | 14344985.56 | 39°30'9.3906"N | 80°49'13.8277"W | 5979.32 | 155.993 | 0.58 | -0.27 | 0.51 | |
| 12889.00 | 90.580 | 160.810 | 6678.26 | 6051.95 | -5551.98 | 2463.40 | 1691078.51 | 14344895.70 | 39°30'8.5015"N | 80°49'13.4381"W | 6073.94 | 156.073 | 0.92 | 0.61 | -0.68 | |
| 12983.00 | 90.550 | 161.820 | 6677.34 | 6145.95 | -5641.02 | 2493.51 | 1691108.61 | 14344806.70 | 39°30'7.6209"N | 80°49'13.0562"W | 6167.55 | 156.153 | 1.07 | -0.03 | 1.07 | |
| 13078.00 | 90.550 | 160.870 | 6676.42 | 6240.94 | -5731.02 | 2523.90 | 1691138.98 | 14344716.73 | 39°30'6.7307"N | 80°49'12.6709"W | 6262.16 | 156.232 | 1.00 | 0.00 | -1.00 | |
| 13172.00 | 90.520 | 161.370 | 6675.55 | 6334.93 | -5819.96 | 2554.31 | 1691169.38 | 14344627.83 | 39°30'5.8511"N | 80°49'12.2851"W | 6355.82 | 156.304 | 0.53 | -0.03 | 0.53 | |
| 13267.00 | 90.550 | 161.320 | 6674.66 | 6429.93 | -5909.96 | 2584.70 | 1691199.76 | 14344537.86 | 39°30'4.9610"N | 80°49'11.8998"W | 6450.45 | 156.378 | 0.06 | 0.03 | -0.05 | |
| 13361.00 | 90.150 | 160.890 | 6674.09 | 6523.92 | -5998.90 | 2615.14 | 1691230.18 | 14344448.96 | 39°30'4.0814"N | 80°49'11.5137"W | 6544.14 | 156.446 | 0.62 | -0.43 | -0.46 | |

RECEIVED
Office of Oil and Gas
MAR 03 2023
WV Department of
Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 7 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | | |
|-----------------------------------|------------------------------|--|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | | Well | National Unit 1H |
| Field | Tyler | | API | 47-095-02744-0000 |
| Facility | Margery Pad | | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | | |

| WELLPATH DATA (235 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 |
| 13456.00 | 90.370 | 161.170 | 6673.65 | 6618.92 | -6088.74 | 2646.02 | 1691261.05 | 14344359.16 | 39°30'3.1929"N | 80°49'11.1221"W | 6638.83 | 156.511 | 0.37 | 0.23 | 0.29 | |
| 13550.00 | 90.150 | 160.770 | 6673.23 | 6712.92 | -6177.60 | 2676.67 | 1691291.69 | 14344270.33 | 39°30'2.3141"N | 80°49'10.7333"W | 6732.55 | 156.574 | 0.49 | -0.23 | -0.43 | |
| 13645.00 | 90.150 | 161.070 | 6672.98 | 6807.92 | -6267.38 | 2707.72 | 1691322.73 | 14344180.59 | 39°30'1.4261"N | 80°49'10.3395"W | 6827.28 | 156.634 | 0.32 | 0.00 | 0.32 | |
| 13739.00 | 90.250 | 160.860 | 6672.65 | 6901.92 | -6356.24 | 2738.38 | 1691353.38 | 14344091.76 | 39°30'0.5473"N | 80°49'9.9507"W | 6921.02 | 156.693 | 0.25 | 0.11 | -0.22 | |
| 13834.00 | 90.120 | 161.210 | 6672.34 | 6996.92 | -6446.08 | 2769.26 | 1691384.24 | 14344001.95 | 39°29'59.6587"N | 80°49'9.5591"W | 7015.75 | 156.751 | 0.39 | -0.14 | 0.37 | |
| 13928.00 | 90.180 | 161.390 | 6672.10 | 7090.92 | -6535.12 | 2799.39 | 1691414.37 | 14343912.95 | 39°29'58.7781"N | 80°49'9.1769"W | 7109.46 | 156.812 | 0.20 | 0.06 | 0.19 | |
| 14022.00 | 90.400 | 161.170 | 6671.62 | 7184.92 | -6624.14 | 2829.56 | 1691444.52 | 14343823.96 | 39°29'57.8977"N | 80°49'8.7944"W | 7203.17 | 156.870 | 0.33 | 0.23 | -0.23 | |
| 14117.00 | 90.180 | 161.490 | 6671.14 | 7279.91 | -6714.14 | 2859.97 | 1691474.92 | 14343734.00 | 39°29'57.0076"N | 80°49'8.4087"W | 7297.89 | 156.928 | 0.41 | -0.23 | 0.34 | |
| 14211.00 | 90.120 | 160.950 | 6670.89 | 7373.91 | -6803.14 | 2890.23 | 1691505.17 | 14343645.04 | 39°29'56.1274"N | 80°49'8.0250"W | 7391.63 | 156.982 | 0.58 | -0.06 | -0.57 | |
| 14306.00 | 90.370 | 161.590 | 6670.49 | 7468.91 | -6893.11 | 2920.74 | 1691535.66 | 14343555.11 | 39°29'55.2376"N | 80°49'7.6382"W | 7486.36 | 157.037 | 0.72 | 0.26 | 0.67 | |
| 14400.00 | 90.550 | 161.210 | 6669.73 | 7562.90 | -6982.19 | 2950.72 | 1691565.63 | 14343466.06 | 39°29'54.3565"N | 80°49'7.2580"W | 7580.09 | 157.091 | 0.45 | 0.19 | -0.40 | |
| 14495.00 | 90.370 | 161.200 | 6668.97 | 7657.90 | -7072.12 | 2981.33 | 1691596.23 | 14343376.16 | 39°29'53.4671"N | 80°49'6.8699"W | 7674.84 | 157.142 | 0.19 | -0.19 | -0.01 | |
| 14589.00 | 90.280 | 161.450 | 6668.44 | 7751.89 | -7161.17 | 3011.42 | 1691626.31 | 14343287.15 | 39°29'52.5864"N | 80°49'6.4882"W | 7768.60 | 157.192 | 0.28 | -0.10 | 0.27 | |
| 14684.00 | 90.060 | 161.370 | 6668.16 | 7846.89 | -7251.22 | 3041.71 | 1691656.59 | 14343197.14 | 39°29'51.6959"N | 80°49'6.1042"W | 7863.34 | 157.243 | 0.25 | -0.23 | -0.08 | |
| 14778.00 | 89.850 | 161.040 | 6668.23 | 7940.89 | -7340.20 | 3072.00 | 1691686.86 | 14343108.19 | 39°29'50.8158"N | 80°49'5.7202"W | 7957.12 | 157.290 | 0.42 | -0.22 | -0.35 | |
| 14873.00 | 89.850 | 161.220 | 6668.48 | 8035.89 | -7430.10 | 3102.72 | 1691717.57 | 14343018.33 | 39°29'49.9267"N | 80°49'5.3306"W | 8051.91 | 157.335 | 0.19 | 0.00 | 0.19 | |
| 14967.00 | 89.880 | 161.180 | 6668.70 | 8129.89 | -7519.08 | 3133.01 | 1691747.85 | 14342929.38 | 39°29'49.0466"N | 80°49'4.9464"W | 8145.70 | 157.380 | 0.05 | 0.03 | -0.04 | |
| 15062.00 | 89.750 | 160.560 | 6669.01 | 8224.89 | -7608.83 | 3164.15 | 1691778.97 | 14342839.66 | 39°29'48.1590"N | 80°49'4.5516"W | 8240.52 | 157.420 | 0.67 | -0.14 | -0.65 | |
| 15156.00 | 90.150 | 161.450 | 6669.09 | 8318.88 | -7697.72 | 3194.74 | 1691809.55 | 14342750.82 | 39°29'47.2799"N | 80°49'4.1636"W | 8334.34 | 157.460 | 1.04 | 0.43 | 0.95 | |
| 15251.00 | 90.120 | 161.360 | 6668.87 | 8413.88 | -7787.76 | 3225.03 | 1691839.84 | 14342660.81 | 39°29'46.3894"N | 80°49'3.7795"W | 8429.12 | 157.505 | 0.10 | -0.03 | -0.09 | |
| 15345.00 | 90.180 | 161.540 | 6668.62 | 8507.88 | -7876.87 | 3254.94 | 1691869.73 | 14342571.73 | 39°29'45.5080"N | 80°49'3.4004"W | 8522.89 | 157.548 | 0.20 | 0.06 | 0.19 | |
| 15440.00 | 90.220 | 161.410 | 6668.29 | 8602.87 | -7966.95 | 3285.12 | 1691899.90 | 14342481.69 | 39°29'44.6172"N | 80°49'3.0177"W | 8617.67 | 157.592 | 0.14 | 0.04 | -0.14 | |
| 15534.00 | 90.090 | 161.460 | 6668.03 | 8696.87 | -8056.06 | 3315.05 | 1691929.82 | 14342392.62 | 39°29'43.7359"N | 80°49'2.6382"W | 8711.46 | 157.633 | 0.15 | -0.14 | 0.05 | |
| 15628.00 | 90.250 | 161.110 | 6667.75 | 8790.87 | -8145.09 | 3345.21 | 1691959.96 | 14342303.63 | 39°29'42.8554"N | 80°49'2.2558"W | 8805.27 | 157.672 | 0.41 | 0.17 | -0.37 | |
| 15723.00 | 90.150 | 161.250 | 6667.42 | 8885.87 | -8235.01 | 3375.86 | 1691990.60 | 14342213.74 | 39°29'41.9660"N | 80°49'1.8672"W | 8900.10 | 157.709 | 0.18 | -0.11 | 0.15 | |
| 15818.00 | 90.180 | 161.500 | 6667.15 | 8980.86 | -8325.03 | 3406.20 | 1692020.93 | 14342123.75 | 39°29'41.0757"N | 80°49'1.4825"W | 8994.90 | 157.748 | 0.27 | 0.03 | 0.26 | |
| 15912.00 | 90.220 | 161.230 | 6666.82 | 9074.86 | -8414.10 | 3436.23 | 1692050.95 | 14342034.72 | 39°29'40.1948"N | 80°49'1.1017"W | 9088.72 | 157.785 | 0.29 | 0.04 | -0.29 | |
| 16007.00 | 90.090 | 161.360 | 6666.56 | 9169.86 | -8504.08 | 3466.70 | 1692081.40 | 14341944.77 | 39°29'39.3048"N | 80°49'0.7154"W | 9183.54 | 157.822 | 0.19 | -0.14 | 0.14 | |
| 16102.00 | 90.370 | 161.670 | 6666.18 | 9264.85 | -8594.18 | 3496.82 | 1692111.51 | 14341854.71 | 39°29'38.4138"N | 80°49'0.3336"W | 9278.35 | 157.859 | 0.44 | 0.29 | 0.33 | |
| 16196.00 | 90.340 | 161.410 | 6665.60 | 9358.84 | -8683.34 | 3526.58 | 1692141.26 | 14341765.58 | 39°29'37.5320"N | 80°48'59.9562"W | 9372.15 | 157.896 | 0.28 | -0.03 | -0.28 | |

RECEIVED
 Office of Oil and Gas
 MAR 03 2023
 Environmental Protection
 Wyoming Department of



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 8 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWP |
| Slot | Slot #09 | | |

| WELLPATH DATA (235 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 |
| 16291.00 | 90.250 | 161.580 | 6665.11 | 9453.84 | -8773.43 | 3556.73 | 1692171.40 | 14341675.53 | 39°29'36.6410"N | 80°48'59.5740"W | 9466.97 | 157.932 | 0.20 | -0.09 | 0.18 | |
| 16385.00 | 90.310 | 161.430 | 6664.65 | 9547.83 | -8862.57 | 3586.55 | 1692201.21 | 14341586.43 | 39°29'35.7593"N | 80°48'59.1959"W | 9560.78 | 157.968 | 0.17 | 0.06 | -0.16 | |
| 16480.00 | 90.250 | 161.700 | 6664.19 | 9642.83 | -8952.70 | 3616.59 | 1692231.24 | 14341496.34 | 39°29'34.8680"N | 80°48'58.8151"W | 9655.60 | 158.003 | 0.29 | -0.06 | 0.28 | |
| 16574.00 | 90.220 | 161.570 | 6663.80 | 9736.82 | -9041.91 | 3646.21 | 1692260.84 | 14341407.16 | 39°29'33.9857"N | 80°48'58.4396"W | 9749.41 | 158.038 | 0.14 | -0.03 | -0.14 | |
| 16669.00 | 90.400 | 161.300 | 6663.29 | 9831.81 | -9131.96 | 3676.46 | 1692291.08 | 14341317.14 | 39°29'33.0951"N | 80°48'58.0562"W | 9844.24 | 158.071 | 0.34 | 0.19 | -0.28 | |
| 16764.00 | 90.220 | 161.780 | 6662.77 | 9926.81 | -9222.07 | 3706.54 | 1692321.15 | 14341227.07 | 39°29'32.2039"N | 80°48'57.6748"W | 9939.07 | 158.104 | 0.54 | -0.19 | 0.51 | |
| 16858.00 | 90.220 | 161.670 | 6662.41 | 10020.80 | -9311.33 | 3736.01 | 1692350.61 | 14341137.85 | 39°29'31.3211"N | 80°48'57.3012"W | 10032.88 | 158.138 | 0.12 | 0.00 | -0.12 | |
| 16953.00 | 90.120 | 161.460 | 6662.13 | 10115.79 | -9401.46 | 3766.05 | 1692380.64 | 14341047.76 | 39°29'30.4298"N | 80°48'56.9203"W | 10127.71 | 158.170 | 0.24 | -0.11 | -0.22 | |
| 17048.00 | 90.520 | 161.760 | 6661.60 | 10210.78 | -9491.60 | 3796.02 | 1692410.60 | 14340957.65 | 39°29'29.5382"N | 80°48'56.5404"W | 10222.54 | 158.202 | 0.53 | 0.42 | 0.32 | |
| 17142.00 | 90.310 | 161.370 | 6660.92 | 10304.78 | -9580.78 | 3825.75 | 1692440.31 | 14340868.51 | 39°29'28.6563"N | 80°48'56.1636"W | 10316.38 | 158.232 | 0.47 | -0.22 | -0.41 | |
| 17237.00 | 90.250 | 161.950 | 6660.46 | 10399.77 | -9670.95 | 3855.64 | 1692470.19 | 14340778.37 | 39°29'27.7644"N | 80°48'55.7847"W | 10411.21 | 158.264 | 0.61 | -0.06 | 0.61 | |
| 17331.00 | 90.120 | 161.620 | 6660.15 | 10493.76 | -9760.24 | 3885.02 | 1692499.56 | 14340689.12 | 39°29'26.8814"N | 80°48'55.4122"W | 10505.03 | 158.295 | 0.38 | -0.14 | -0.35 | |
| 17425.00 | 90.150 | 161.530 | 6659.93 | 10587.75 | -9849.42 | 3914.73 | 1692529.26 | 14340599.97 | 39°29'25.9994"N | 80°48'55.0356"W | 10598.88 | 158.324 | 0.10 | 0.03 | -0.10 | |
| 17520.00 | 90.090 | 161.240 | 6659.73 | 10682.75 | -9939.45 | 3945.06 | 1692559.57 | 14340509.98 | 39°29'25.1090"N | 80°48'54.6512"W | 10693.74 | 158.351 | 0.31 | -0.06 | -0.31 | |
| 17614.00 | 90.120 | 161.220 | 6659.56 | 10776.75 | -10028.45 | 3975.30 | 1692589.81 | 14340421.01 | 39°29'24.2287"N | 80°48'54.2677"W | 10787.63 | 158.376 | 0.04 | 0.03 | -0.02 | |
| 17709.00 | 90.000 | 161.190 | 6659.46 | 10871.75 | -10118.39 | 4005.91 | 1692620.40 | 14340331.11 | 39°29'23.3392"N | 80°48'53.8797"W | 10882.51 | 158.401 | 0.13 | -0.13 | -0.03 | |
| 17803.00 | 89.970 | 161.470 | 6659.48 | 10965.74 | -10207.44 | 4036.00 | 1692650.48 | 14340242.10 | 39°29'22.4585"N | 80°48'53.4982"W | 10976.39 | 158.426 | 0.30 | -0.03 | 0.30 | |
| 17897.00 | 89.940 | 161.360 | 6659.56 | 11059.74 | -10296.54 | 4065.96 | 1692680.43 | 14340153.03 | 39°29'21.5773"N | 80°48'53.1184"W | 11070.26 | 158.452 | 0.12 | -0.03 | -0.12 | |
| 17992.00 | 89.850 | 161.140 | 6659.73 | 11154.74 | -10386.50 | 4096.50 | 1692710.95 | 14340063.11 | 39°29'20.6876"N | 80°48'52.7313"W | 11165.15 | 158.475 | 0.25 | -0.09 | -0.23 | |
| 18087.00 | 89.780 | 159.720 | 6660.04 | 11249.73 | -10476.00 | 4128.32 | 1692742.76 | 14339973.64 | 39°29'19.8023"N | 80°48'52.3278"W | 11260.09 | 158.492 | 1.50 | -0.07 | -1.49 | |
| 18181.00 | 89.780 | 159.740 | 6660.40 | 11343.71 | -10564.18 | 4160.88 | 1692775.31 | 14339885.50 | 39°29'18.9301"N | 80°48'51.9148"W | 11354.07 | 158.502 | 0.02 | 0.00 | 0.02 | |
| 18276.00 | 89.540 | 159.560 | 6660.96 | 11438.68 | -10653.25 | 4193.92 | 1692808.33 | 14339796.46 | 39°29'18.0491"N | 80°48'51.4957"W | 11449.05 | 158.512 | 0.32 | -0.25 | -0.19 | |
| 18370.00 | 90.030 | 160.180 | 6661.32 | 11532.67 | -10741.51 | 4226.27 | 1692840.67 | 14339708.24 | 39°29'17.1762"N | 80°48'51.0855"W | 11543.02 | 158.523 | 0.84 | 0.52 | 0.66 | |
| 18465.00 | 90.370 | 159.800 | 6660.98 | 11627.65 | -10830.77 | 4258.78 | 1692873.17 | 14339619.01 | 39°29'16.2933"N | 80°48'50.6732"W | 11637.99 | 158.535 | 0.54 | 0.36 | -0.40 | |
| 18559.00 | 90.280 | 160.150 | 6660.45 | 11721.64 | -10919.09 | 4290.96 | 1692905.34 | 14339530.73 | 39°29'15.4198"N | 80°48'50.2650"W | 11731.96 | 158.546 | 0.38 | -0.10 | 0.37 | |
| 18653.00 | 89.970 | 160.060 | 6660.25 | 11815.63 | -11007.48 | 4322.95 | 1692937.32 | 14339442.38 | 39°29'14.5456"N | 80°48'49.8593"W | 11825.92 | 158.559 | 0.34 | -0.33 | -0.10 | |
| 18747.00 | 90.060 | 160.240 | 6660.22 | 11909.62 | -11095.89 | 4354.87 | 1692969.22 | 14339354.00 | 39°29'13.6711"N | 80°48'49.4545"W | 11919.89 | 158.571 | 0.21 | 0.10 | 0.19 | |
| 18842.00 | 90.030 | 159.910 | 6660.15 | 12004.60 | -11185.21 | 4387.25 | 1693001.58 | 14339264.72 | 39°29'12.7877"N | 80°48'49.0440"W | 12014.86 | 158.583 | 0.35 | -0.03 | -0.35 | |
| 18936.00 | 90.280 | 160.090 | 6659.89 | 12098.59 | -11273.54 | 4419.40 | 1693033.72 | 14339176.43 | 39°29'11.9140"N | 80°48'48.6363"W | 12108.83 | 158.594 | 0.33 | 0.27 | 0.19 | |
| 19031.00 | 91.260 | 160.370 | 6658.62 | 12193.57 | -11362.93 | 4451.53 | 1693065.84 | 14339087.07 | 39°29'11.0299"N | 80°48'48.2288"W | 12203.78 | 158.607 | 1.07 | 1.03 | 0.29 | |

RECEIVED
Office of Oil and Gas
MAR 03 2023
WV Department of Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 9 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | | |
|-----------------------------------|------------------------------|--|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | | Well | National Unit 1H |
| Field | Tyler | | API | 47-095-02744-0000 |
| Facility | Margery Pad | | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | | |

| WELLPATH DATA (235 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 |
| 19125.00 | 90.460 | 160.010 | 6657.21 | 12287.55 | -11451.35 | 4483.38 | 1693097.68 | 14338998.68 | 39°29'10.1553"N | 80°48'47.8249"W | 12297.73 | 158.619 | 0.93 | -0.65 | -0.38 | |
| 19219.00 | 90.550 | 160.410 | 6656.38 | 12381.54 | -11539.80 | 4515.20 | 1693129.49 | 14338910.27 | 39°29'9.2805"N | 80°48'47.4214"W | 12391.69 | 158.631 | 0.44 | 0.10 | 0.43 | |
| 19314.00 | 90.030 | 160.040 | 6655.90 | 12476.53 | -11629.19 | 4547.34 | 1693161.62 | 14338820.91 | 39°29'8.3963"N | 80°48'47.0138"W | 12486.65 | 158.643 | 0.67 | -0.55 | -0.39 | |
| 19409.00 | 90.490 | 160.120 | 6655.47 | 12571.52 | -11718.51 | 4579.71 | 1693193.97 | 14338731.63 | 39°29'7.5129"N | 80°48'46.6033"W | 12581.62 | 158.654 | 0.49 | 0.48 | 0.08 | |
| 19503.00 | 90.550 | 160.160 | 6654.61 | 12665.51 | -11806.92 | 4611.64 | 1693225.89 | 14338643.26 | 39°29'6.6385"N | 80°48'46.1984"W | 12675.59 | 158.665 | 0.08 | 0.06 | 0.04 | |
| 19598.00 | 90.370 | 159.930 | 6653.85 | 12760.49 | -11896.21 | 4644.06 | 1693258.30 | 14338554.00 | 39°29'5.7553"N | 80°48'45.7873"W | 12770.56 | 158.675 | 0.31 | -0.19 | -0.24 | |
| 19693.00 | 90.520 | 160.420 | 6653.11 | 12855.48 | -11985.58 | 4676.28 | 1693290.50 | 14338464.67 | 39°29'4.8714"N | 80°48'45.3788"W | 12865.52 | 158.686 | 0.54 | 0.16 | 0.52 | |
| 19787.00 | 90.250 | 160.370 | 6652.48 | 12949.47 | -12074.12 | 4707.82 | 1693322.03 | 14338376.16 | 39°29'3.9956"N | 80°48'44.9789"W | 12959.48 | 158.699 | 0.29 | -0.29 | -0.05 | |
| 19882.00 | 90.520 | 159.930 | 6651.84 | 13044.46 | -12163.48 | 4740.08 | 1693354.28 | 14338286.84 | 39°29'3.1119"N | 80°48'44.5698"W | 13054.44 | 158.709 | 0.54 | 0.28 | -0.46 | |
| 19977.00 | 90.400 | 160.190 | 6651.08 | 13139.45 | -12252.78 | 4772.48 | 1693386.66 | 14338197.57 | 39°29'2.2286"N | 80°48'44.1690"W | 13149.42 | 158.719 | 0.30 | -0.13 | 0.27 | |
| 20072.00 | 89.820 | 160.550 | 6650.90 | 13234.44 | -12342.26 | 4804.39 | 1693418.56 | 14338108.13 | 39°29'1.3436"N | 80°48'43.7544"W | 13244.38 | 158.731 | 0.72 | -0.61 | 0.38 | |
| 20166.00 | 89.880 | 160.200 | 6651.14 | 13328.44 | -12430.80 | 4835.96 | 1693450.12 | 14338019.63 | 39°29'0.4679"N | 80°48'43.3541"W | 13338.34 | 158.742 | 0.38 | 0.06 | -0.37 | |
| 20261.00 | 89.850 | 160.400 | 6651.37 | 13423.43 | -12520.24 | 4867.98 | 1693482.13 | 14337930.22 | 39°28'59.5833"N | 80°48'42.9480"W | 13433.30 | 158.753 | 0.21 | -0.03 | 0.21 | |
| 20355.00 | 89.780 | 160.530 | 6651.67 | 13517.43 | -12608.82 | 4899.42 | 1693513.55 | 14337841.67 | 39°28'58.7071"N | 80°48'42.5495"W | 13527.26 | 158.765 | 0.16 | -0.07 | 0.14 | |
| 20450.00 | 89.630 | 160.190 | 6652.16 | 13612.42 | -12698.30 | 4931.35 | 1693545.47 | 14337752.23 | 39°28'57.8221"N | 80°48'42.1447"W | 13622.22 | 158.776 | 0.39 | -0.16 | -0.36 | |
| 20544.00 | 89.690 | 161.690 | 6652.72 | 13706.42 | -12787.14 | 4962.04 | 1693576.15 | 14337663.43 | 39°28'56.9434"N | 80°48'41.7556"W | 13716.15 | 158.791 | 1.60 | 0.06 | 1.60 | |
| 20639.00 | 89.850 | 162.320 | 6653.10 | 13801.40 | -12877.49 | 4991.39 | 1693605.49 | 14337573.11 | 39°28'56.0498"N | 80°48'41.3837"W | 13811.00 | 158.813 | 0.68 | 0.17 | 0.66 | |
| 20733.00 | 89.780 | 162.370 | 6653.40 | 13895.37 | -12967.06 | 5019.90 | 1693633.98 | 14337483.58 | 39°28'55.1640"N | 80°48'41.0225"W | 13904.82 | 158.837 | 0.09 | -0.07 | 0.05 | |
| 20828.00 | 89.910 | 162.020 | 6653.66 | 13990.35 | -13057.51 | 5048.95 | 1693663.02 | 14337393.16 | 39°28'54.2694"N | 80°48'40.6544"W | 13999.66 | 158.860 | 0.39 | 0.14 | -0.37 | |
| 20923.00 | 89.820 | 162.410 | 6653.88 | 14085.32 | -13147.97 | 5077.96 | 1693692.03 | 14337302.74 | 39°28'53.3748"N | 80°48'40.2868"W | 14094.50 | 158.883 | 0.42 | -0.09 | 0.41 | |
| 21018.00 | 89.780 | 162.420 | 6654.21 | 14180.29 | -13238.53 | 5106.67 | 1693720.72 | 14337212.22 | 39°28'52.4791"N | 80°48'39.9232"W | 14189.32 | 158.906 | 0.04 | -0.04 | 0.01 | |
| 21112.00 | 89.910 | 162.080 | 6654.47 | 14274.27 | -13328.06 | 5135.32 | 1693749.36 | 14337122.73 | 39°28'51.5937"N | 80°48'39.5601"W | 14283.16 | 158.928 | 0.39 | 0.14 | -0.36 | |
| 21207.00 | 89.910 | 162.580 | 6654.62 | 14369.24 | -13418.57 | 5164.16 | 1693778.19 | 14337032.24 | 39°28'50.6985"N | 80°48'39.1948"W | 14377.99 | 158.951 | 0.53 | 0.00 | 0.53 | |
| 21256.00 | 89.850 | 162.220 | 6654.72 | 14418.22 | -13465.28 | 5178.97 | 1693793.00 | 14336985.56 | 39°28'50.2366"N | 80°48'39.0071"W | 14426.90 | 158.962 | 0.74 | -0.12 | -0.73 | |
| 21279.00† | 89.850 | 162.220 | 6654.78 | 14441.22 | -13487.18 | 5186.00 | 1693800.02 | 14336963.66 | 39°28'50.0200"N | 80°48'38.9181"W | 14449.87 | 158.968 | 0.00 | 0.00 | 0.00 | Projected MD at TD: 21279' |

RECEIVED
Office of Oil and Gas
MAR 03 2023
WV Department of Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 10 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| HOLE & CASING SECTIONS - Ref Wellbore: National Unit 1H AWB Ref Wellpath: National Unit 1H AWP Proj: 21279' | | | | | | | | | | |
|---|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|--|
| 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 | 0.24 | 0.05 | |
| 17.5in Open Hole | 126.00 | 416.00 | 290.00 | 126.00 | 416.00 | 0.24 | 0.05 | 0.46 | -0.03 | |
| 13.375in Casing Surface | 25.50 | 414.00 | 388.50 | 25.50 | 414.00 | 0.00 | 0.00 | 0.46 | -0.03 | |
| 12.25in Open Hole | 416.00 | 2653.00 | 2237.00 | 416.00 | 2652.93 | 0.46 | -0.03 | -6.94 | -13.76 | |
| 9.625in Casing Intermediate | 25.50 | 2633.00 | 2607.50 | 25.50 | 2632.93 | 0.00 | 0.00 | -6.84 | -13.62 | |
| 8.75in Open Hole | 2653.00 | 5841.00 | 3188.00 | 2652.93 | 5776.10 | -6.94 | -13.76 | 536.37 | 237.32 | |
| 8.5in Open Hole | 5841.00 | 21279.00 | 15438.00 | 5776.10 | 6654.78 | 536.37 | 237.32 | -13487.18 | 5186.00 | |
| 5.5in Casing Production | 25.50 | 21279.00 | 21253.50 | 25.50 | 6654.78 | 0.00 | 0.00 | -13487.18 | 5186.00 | |

| TARGETS | | | | | | | | |
|------------------------------------|----------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-----------|
| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
| National Unit 1H POE Rev-2 | 6624.00 | 77.61 | 501.08 | 1689116.97 | 14350523.04 | 39°31'4.1784"N | 80°49'38.3340"W | point |
| National Unit 1H BHL Rev-2 | 6649.00 | -13401.52 | 5156.41 | 1693770.44 | 14337049.29 | 39°28'50.8672"N | 80°48'39.2931"W | point |
| National Unit 1H LP Rev-2 | 6649.00 | -99.69 | 562.31 | 1689178.18 | 14350345.81 | 39°31'2.4250"N | 80°49'37.5570"W | point |
| National Unit 1H 50' L/R Hard Line | 7000.00 | -6661.96 | 2828.75 | 1691443.71 | 14343786.16 | 39°29'57.5240"N | 80°49'8.8058"W | rectangle |
| 2D Rectangle 14260.4 x 100. | | | | | | | | |

RECEIVED
Office of Oil and Gas
MAR 03 2023
WV Department of
Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 11 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| WELLPATH COMPOSITION - Ref Wellbore: National Unit 1H AWB Ref Wellpath: National Unit 1H AWP Proj: 21279' | | | | | |
|--|-------------|--|---|----------------------|-------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | Survey Date |
| 25.50 | 436.00 | Gyrodata 2015 - GC+WIR+DPIPE | 01_Gyrodata MS Gyro <17-1/2"> (100'-436') | National Unit 1H AWB | 19/Sep/2021 |
| 436.00 | 2583.00 | BH NaviTrak (2019) (Axial Corr+HRGM) | 02_APS EM <12-1/4"> (436')(507'-2583') | National Unit 1H AWB | 19/Sep/2021 |
| 2583.00 | 5777.00 | BH NaviTrak (2019) (Axial Corr+HRGM) | 03_APS EM <8-3/4"> (2583')(2652'-5777') | National Unit 1H AWB | 28/Oct/2021 |
| 5777.00 | 21279.00 | BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing) | 04_BH AT Curve <8-1/2"> (5777')(5888'-21256') | National Unit 1H AWB | 28/Oct/2021 |

RECEIVED
 Office of Oil and Gas
MAR 03 2023
 WV Department of Environmental Protection



Actual Wellpath Report

National Unit 1H AWP Proj: 21279'
Page 12 of 12



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|------------------------------|----------|----------------------|
| Operator | ANTERO RESOURCES CORPORATION | Well | National Unit 1H |
| Field | Tyler | API | 47-095-02744-0000 |
| Facility | Margery Pad | Wellbore | National Unit 1H AWB |
| Slot | Slot #09 | | |

| COMMENTS |
|---|
| <p>Wellpath general comments API: 47-095-02744-0000 BH Job #: 111046843 Rig: H&P 317 Duration: 10/29/2021-11/2/2021 Gyrodata MS Gyro <17-1/2"> (100'-436') APS EM <12-1/4"> (436')(507'-2583') APS EM <8-3/4"> (2583')(2652'-5777') BH AT Curve <8-1/2"> (5777')(5888'-21256') Sycamore: 6424' MD Middlesex: 6552' MD Burkett: 6706' MD Tully: 6756' MD Marcellus POE: 6947' MD Projected MD at TD: 21279'</p> |

RECEIVED
Office of the
MAR 03
WV Dept of
Environment