



ANTERO RESOURCES CORPORATION



Location: Tyler County, WV
 Slot: Tyler #05
 Well: Tapeats Unit 3H
 Field: Tyler
 Wellbore: Tapeats Unit 3H PWB

Projected MD at TD: 24049' : 6849.06ft TVD, 16466.49ft N, 1990.88ft W
 Scale 1 inch = 500'

Grid System: NAD83 / UTM Zone 17 North, US Feet
 North Reference: Grid North
 Scale: True distance
 Coordinates are in feet referenced to SMI
 Mean Sea Level to Ground level (At Slot Slot #05) : 1268.5ft
 Mean Sea Level to Ground level (At Slot Slot #05) : 1268.5ft
 Chord wellpath MDs are referenced to well path's initial MD station

Created by: antero on 2021-04-05; Database: WVA_MPT_EASTERNUS_04in

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Grid East (US ft)	1693813.970	14346849.540	39°10'25.7868"N	80°48'38.4804"W
Local E (ft)	27.50	14346856.120	39°10'25.5607"N	80°48'38.1510"W

H&P 317 (R&D) to Ground level (At Slot Slot #05) : 1268.5ft
 H&P 317 (R&D) to Mean Sea Level : 1268.5ft

Well Profile Data

Design Comment	MD (ft)	Az (°)	Inc (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (7100ft)	VS (ft)
Tile On	6721.00	80.080	5926.33	684.08	2688.88	0.32	-290.02	
Proj. to Bottom	6787.00	80.080	5984.59	689.43	2699.44	0.00	-294.84	
Curve KOP	7053.00	80.080	6219.36	710.98	3022.81	0.00	-304.28	
End of 3D Arc	7284.07	52.720	6414.56	763.28	3132.85	7.50	-290.41	
POE	8073.22	75.125	341.140	8884.00	1339.48	8.50	227.26	
Landing Pl.	8259.15	90.000	341.140	8906.00	1510.46	8.00	411.11	
BHL	24103.37	90.000	341.140	8906.00	-1971.58	0.00	10255.33	

Well Data

Slot	Well	Wellbore	Wellpath
Slot #05	Tapeats Unit 3H	Tapeats Unit 3H AWB	Tapeats Unit 3H AWB Proj: 24049'
Slot #05	Tapeats Unit 3H	Tapeats Unit 3H PWB	Tapeats Unit 3H PWB Rev-C.0

Use specified (HDCM) Dip: 66.51°; Field: 51841, NT
 Magnetic North is 7.44 degrees East of True North
 Grid North is 0.12 degrees East of True North
 To correct azimuth from True to Grid subtract 0.12 degrees
 To correct azimuth from Magnetic to Grid subtract 7.56 degrees

API: 47-095-02715-0000
 BH Job #: 110784730
 Rig: H&P 317
 Duration: 3/17/2021-3/26/2021

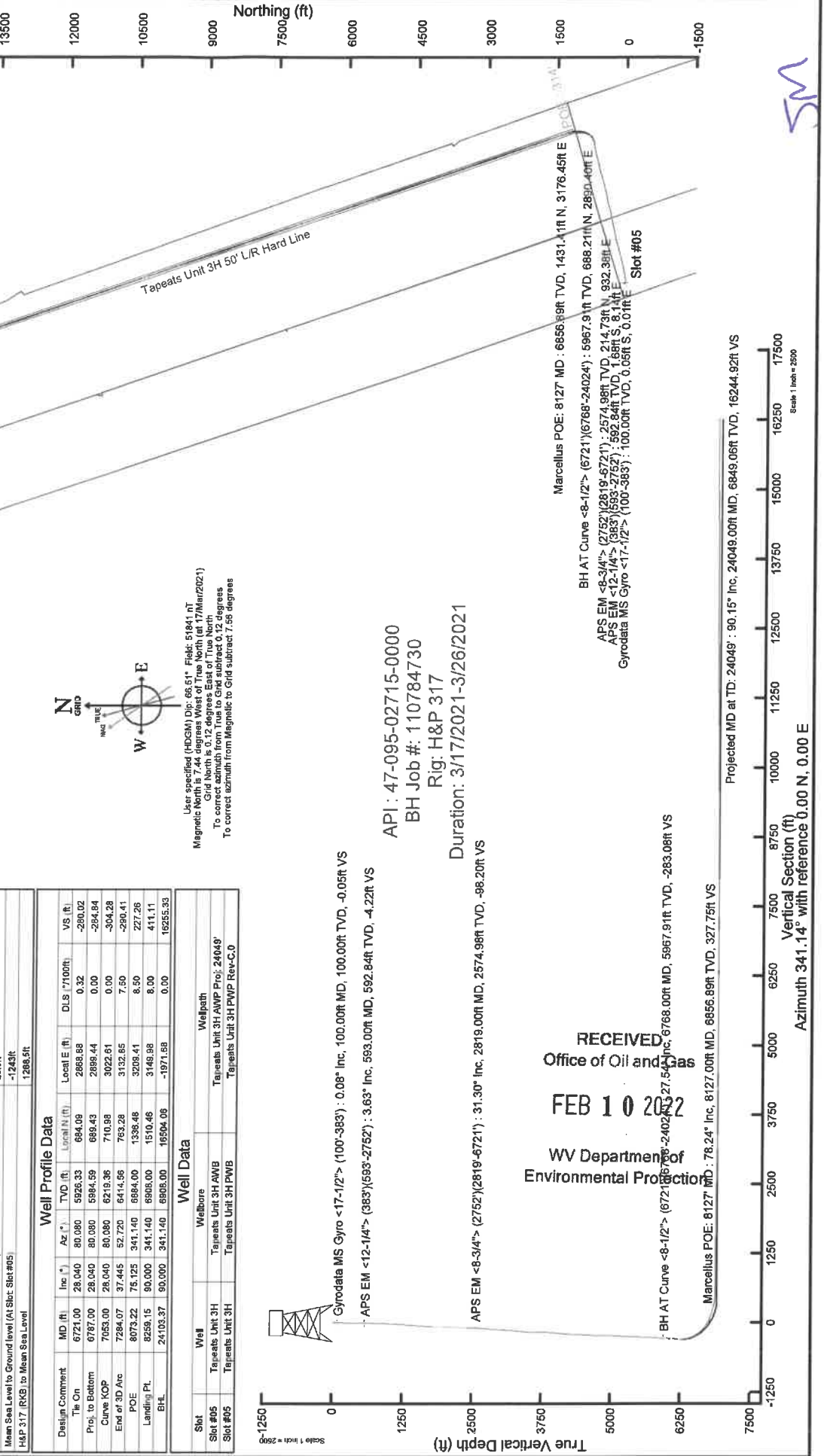
Gyrodata MS Gyro <17-1/2" > : 0.08° Inc, 100.00ft MD, 100.00ft TVD, -0.05ft VS
 APS EM <12-1/4" > (383)(593-2752) : 3.63° Inc, 593.00ft MD, 592.84ft TVD, -4.22ft VS
 APS EM <8-3/4" > (2752)(2819-6721) : 31.30° Inc, 2819.00ft MD, 2574.98ft TVD, -86.20ft VS

Marcellus POE: 8127' MD : 6856.89ft TVD, 1431.41ft N, 3176.45ft E
 BH AT Curve <8-1/2" > (6721)(2819-6721) : 5967.9ft TVD, 688.21ft N, 2850.40ft E
 AFS EM <6-3/4" > (2752)(2819-6721) : 2574.98ft TVD, 214.73ft N, 932.38ft E
 APS EM <12-1/4" > (383)(593-2752) : 592.84ft TVD, 1.68ft S, 8.14ft E
 Gyrodata MS Gyro <17-1/2" > (100-363) : 100.00ft TVD, 0.05ft S, 0.01ft E

Projected MD at TD: 24049' : 90.15° Inc, 24049.00ft MD, 6849.06ft TVD, 16244.92ft VS
 Marcellus POE: 8127' MD : 6856.89ft TVD, 327.75ft VS
 BH AT Curve <8-1/2" > (6721)(2819-6721) : 6721.00ft MD, 6768.00ft MD, 5967.91ft TVD, -283.08ft VS

Vertical Section (ft)
 Azimuth 341.14° with reference 0.00 N, 0.00 E

Scale 1 inch = 250'



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Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 3H
Field	Tyler	API	47-095-02715-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 3H AWB
Slot	Slot #05		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WeIArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999603	Report Generated	05/Apr/2021 at 22:04
Convergence at slot	0.12° 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	-53.44	27.50	1693841.46	14346596.12	39°30'25.2580"N	80°48'38.1310"W
Facility Reference Pt			1693813.97	14346649.54	39°30'25.7868"N	80°48'38.4804"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	1268.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1268.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot #05)	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	341.14°



Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 3H
Field	Tyler	API	47-095-02715-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 3H AWB
Slot	Slot #05		

WELLPATH DATA (278 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 (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
0.00	0.00	168.020	0.00	0.00	0.00	0.00	1693841.46	14346596.12	39°30'25.2580"N	80°48'38.1310"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.00	168.020	25.50	0.00	0.00	0.00	1693841.46	14346596.12	39°30'25.2580"N	80°48'38.1310"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.08	168.020	100.00	-0.05	-0.05	0.01	1693841.47	14346596.07	39°30'25.2575"N	80°48'38.1308"W	0.05	168.020	0.11	0.11	0.11	0.00 Gyrodala MS Gyro <17-1/2"> (100'-363')
200.00	0.23	145.760	200.00	-0.31	-0.29	0.14	1693841.60	14346595.84	39°30'25.2552"N	80°48'38.1292"W	0.32	154.135	0.16	0.15	-22.26	
300.00	0.26	156.120	300.00	-0.73	-0.66	0.34	1693841.80	14346595.46	39°30'25.2515"N	80°48'38.1266"W	0.74	152.485	0.05	0.03	10.36	
383.00	0.49	120.610	383.00	-1.19	-1.01	0.72	1693842.18	14346595.11	39°30'25.2480"N	80°48'38.1217"W	1.24	144.378	0.38	0.28	-42.78	
593.00	3.63	91.820	592.84	-4.22	-1.68	8.14	1693849.60	14346594.44	39°30'25.2413"N	80°48'38.0271"W	8.32	101.656	1.53	1.50	-13.71	APS EM <12-1/4"> (363')(593'-2752')
684.00	5.75	89.830	683.53	-6.70	-1.76	15.58	1693857.04	14346594.36	39°30'25.2403"N	80°48'37.9322"W	15.68	96.436	2.34	2.33	-2.19	
775.00	8.20	83.930	773.85	-9.59	-1.05	26.60	1693868.04	14346597.26	39°30'25.2368"N	80°48'37.6049"W	26.62	92.254	2.81	2.69	-6.59	
866.00	10.53	79.700	863.63	-12.25	1.14	41.23	1693882.67	14346600.74	39°30'25.3025"N	80°48'37.3756"W	41.25	88.419	2.66	2.56	-4.54	
956.00	12.94	78.470	951.74	-14.76	4.62	59.20	1693900.63	14346606.12	39°30'25.3453"N	80°48'37.0898"W	59.38	85.535	2.69	2.68	-1.37	
1046.00	16.44	79.320	1038.79	-17.86	9.00	81.59	1693923.02	14346605.12	39°30'25.3453"N	80°48'37.0898"W	82.09	83.706	3.90	3.89	0.94	
1140.00	20.10	81.070	1128.03	-22.54	13.97	110.63	1693952.05	14346610.09	39°30'25.3938"N	80°48'36.7192"W	111.51	82.602	3.94	3.89	1.86	
1235.00	22.79	81.070	1216.45	-28.51	19.38	144.94	1693986.34	14346615.50	39°30'25.4466"N	80°48'36.2813"W	146.23	82.383	2.83	2.83	-0.06	
1330.00	25.30	80.390	1303.20	-34.93	25.65	183.13	1694024.52	14346621.76	39°30'25.5077"N	80°48'35.7939"W	184.92	82.027	2.66	2.64	-0.65	
1425.00	27.62	79.110	1388.24	-41.24	33.20	224.78	1694066.15	14346629.30	39°30'25.5815"N	80°48'35.2624"W	227.21	81.599	2.51	2.44	-1.35	
1520.00	29.91	78.560	1471.51	-47.36	42.06	269.62	1694110.97	14346638.16	39°30'25.6681"N	80°48'34.6900"W	272.88	81.134	2.43	2.41	-0.58	
1614.00	30.90	78.250	1552.59	-53.37	51.62	316.22	1694157.56	14346647.72	39°30'25.7616"N	80°48'34.0952"W	320.41	80.729	1.07	1.05	-0.33	
1709.00	30.50	77.090	1634.27	-58.89	61.97	363.60	1694204.92	14346658.07	39°30'25.8630"N	80°48'33.4904"W	368.85	80.327	0.75	-0.42	-1.22	
1804.00	30.23	75.850	1716.24	-63.35	73.21	410.29	1694251.59	14346669.30	39°30'25.9730"N	80°48'32.8945"W	416.77	79.883	0.72	-0.28	-1.31	
1899.00	30.96	74.530	1798.02	-66.76	85.57	457.03	1694298.31	14346681.66	39°30'26.0942"N	80°48'32.2978"W	464.98	79.395	1.04	0.77	-1.39	
1993.00	32.32	75.040	1878.04	-69.90	98.51	504.62	1694345.88	14346694.59	39°30'26.2211"N	80°48'31.6904"W	514.14	78.954	1.47	1.45	0.54	
2088.00	33.04	75.260	1958.00	-73.49	111.65	554.20	1694395.44	14346707.73	39°30'26.3500"N	80°48'31.0575"W	565.33	78.609	0.77	0.76	0.23	
2183.00	32.11	74.070	2038.06	-76.64	125.17	603.52	1694444.74	14346721.24	39°30'26.4826"N	80°48'30.4278"W	616.37	78.283	1.19	-0.98	-1.25	
2278.00	32.250	73.610	2118.46	-79.02	139.26	652.12	1694493.32	14346735.32	39°30'26.6207"N	80°48'29.8074"W	666.82	77.946	0.30	0.15	-0.48	
2373.00	33.000	74.960	2198.48	-81.84	153.12	701.42	1694542.60	14346749.18	39°30'26.7567"N	80°48'29.1781"W	717.94	77.685	1.10	0.79	1.42	
2468.00	32.920	75.480	2278.19	-85.52	166.31	751.40	1694592.56	14346762.36	39°30'26.8860"N	80°48'28.5401"W	769.58	77.520	0.31	-0.08	0.55	
2562.00	32.810	74.640	2357.14	-89.00	179.46	800.68	1694641.82	14346775.51	39°30'27.0149"N	80°48'27.9110"W	820.55	77.367	0.50	-0.12	-0.89	
2657.00	32.250	75.750	2437.24	-92.61	192.51	850.07	1694691.19	14346788.56	39°30'27.1429"N	80°48'27.2806"W	871.59	77.240	0.86	-0.59	-1.17	
2752.00	31.660	74.700	2517.84	-96.20	205.33	898.68	1694739.79	14346801.37	39°30'27.2686"N	80°48'26.6600"W	921.84	77.130	0.85	-0.62	-1.11	

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Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #05
Well	Tapeats Unit 3H
API	47-095-02715-0000
Wellbore	Tapeats Unit 3H AWB

WELLPATH DATA (278 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
2819.00	31.300	74.130	2574.98	-98.20	1214.73	932.38	1694773.47	14346810.77	39°30'27.360"N	80°48'26.229"W	956.79	77.031	0.70	-0.54	-0.85	APS EIM <8-3/4'> (2752')(2819'-6'21')
2907.00	32.520	75.680	2649.68	-101.26	1226.83	977.29	1694618.36	14346822.86	39°30'27.479"N	80°48'25.656"W	1003.27	76.933	1.67	1.39	1.78	
2996.00	33.480	79.040	2724.33	-106.53	1237.42	1024.58	1694666.63	14346833.44	39°30'27.583"N	80°48'25.052"W	1051.73	76.954	2.32	1.08	3.78	
3085.00	35.070	77.860	2797.87	-112.90	1247.46	1073.68	1694914.71	14346843.48	39°30'27.681"N	80°48'24.426"W	1101.83	77.021	1.94	1.79	-1.33	
3173.00	34.540	77.820	2870.13	-118.67	1258.13	1122.76	1694963.78	14346854.15	39°30'27.785"N	80°48'23.799"W	1152.05	77.052	0.62	-0.60	-0.27	
3262.00	32.970	75.120	2944.13	-123.20	1269.76	1170.82	1695011.81	14346865.77	39°30'27.895"N	80°48'23.186"W	1201.49	77.025	2.36	-1.76	-2.81	
3350.00	32.800	76.490	3018.03	-127.08	1281.48	1217.14	1695058.11	14346877.48	39°30'28.014"N	80°48'22.595"W	1249.36	76.979	0.87	-0.19	1.56	
3443.00	30.980	77.820	3096.99	-132.22	1292.41	1265.03	1695105.98	14346888.41	39°30'28.121"N	80°48'21.983"W	1298.38	76.985	2.10	-1.96	1.43	
3532.00	28.560	79.170	3174.24	-137.85	1301.24	1308.32	1695149.26	14346899.24	39°30'28.207"N	80°48'21.431"W	1342.55	77.034	2.82	-2.72	1.52	
3620.00	28.550	81.220	3251.53	-144.47	1308.41	1349.77	1695190.69	14346904.40	39°30'28.277"N	80°48'20.902"W	1384.55	77.130	1.11	-0.01	2.33	
3708.00	30.760	80.390	3328.00	-151.77	1315.37	1392.74	1695233.65	14346911.37	39°30'28.345"N	80°48'20.353"W	1428.00	77.241	2.55	2.51	-0.94	
3797.00	31.480	79.660	3404.19	-158.87	1323.34	1438.04	1695278.93	14346919.33	39°30'28.423"N	80°48'19.775"W	1473.95	77.328	0.91	0.81	-0.82	
3885.00	32.210	77.770	3478.95	-164.99	1332.44	1483.57	1695324.44	14346928.42	39°30'28.512"N	80°48'19.194"W	1520.36	77.370	1.40	0.83	-2.15	
3974.00	32.570	75.420	3554.11	-169.51	1343.49	1529.94	1695370.79	14346939.47	39°30'28.620"N	80°48'18.602"W	1568.02	77.346	1.47	0.40	-2.64	
4062.00	32.960	73.210	3628.11	-172.15	1356.37	1575.78	1695416.61	14346952.35	39°30'28.746"N	80°48'18.017"W	1615.67	77.257	1.43	0.44	-2.51	
4151.00	30.530	71.830	3703.79	-173.29	1370.41	1620.44	1695461.26	14346966.39	39°30'28.884"N	80°48'17.447"W	1662.24	77.124	2.85	-2.73	-1.55	
4239.00	29.800	70.580	3779.87	-173.35	1384.56	1662.30	1695503.10	14346980.62	39°30'29.024"N	80°48'16.912"W	1706.23	76.971	1.09	-0.83	-1.42	
4328.00	27.810	72.730	3857.86	-173.71	1398.17	1702.99	1695543.77	14346994.13	39°30'29.157"N	80°48'16.393"W	1748.92	76.840	2.52	-2.24	2.42	
4416.00	27.610	79.150	3935.78	-177.12	1408.11	1742.63	1695583.40	14347004.07	39°30'29.254"N	80°48'15.887"W	1789.78	76.819	3.40	-0.23	7.30	
4504.00	30.200	83.330	4012.82	-184.64	1414.52	1784.65	1695625.40	14347010.47	39°30'29.317"N	80°48'15.350"N	1832.16	76.924	3.73	2.94	4.75	
4593.00	30.120	81.370	4089.78	-193.33	1420.47	1828.96	1695669.70	14347016.42	39°30'29.375"N	80°48'14.785"W	1876.67	77.053	1.11	-0.09	-2.20	
4681.00	30.400	79.090	4165.79	-200.33	1428.00	1872.66	1695713.37	14347023.95	39°30'29.448"N	80°48'14.227"W	1920.95	77.126	1.34	0.32	-2.59	
4770.00	31.540	77.270	4242.10	-205.93	1437.39	1917.48	1695758.17	14347033.34	39°30'29.540"N	80°48'13.656"W	1966.73	77.150	1.66	1.28	-2.04	
4858.00	31.890	73.810	4316.97	-209.47	1448.94	1962.26	1695802.93	14347044.89	39°30'29.653"N	80°48'13.084"W	2012.96	77.113	2.10	0.40	-3.93	
4947.00	30.020	74.460	4393.29	-211.86	1461.46	2006.29	1695846.95	14347057.40	39°30'29.776"N	80°48'12.521"W	2058.67	77.047	2.13	-2.10	0.73	
5039.00	30.140	76.500	4472.90	-215.35	1473.02	2050.92	1695891.56	14347068.95	39°30'29.886"N	80°48'11.952"W	2104.76	77.012	1.12	0.13	2.22	
5128.00	31.000	75.520	4549.53	-219.18	1483.97	2094.84	1695935.46	14347079.90	39°30'29.996"N	80°48'11.391"W	2150.02	76.991	1.12	0.97	-1.10	
5217.00	31.630	74.930	4625.56	-222.48	1495.77	2139.56	1695980.17	14347091.69	39°30'30.112"N	80°48'10.820"W	2196.25	76.954	0.79	0.71	-0.66	
5305.00	32.480	76.050	4700.15	-226.03	1507.46	2184.78	1696025.37	14347103.38	39°30'30.227"N	80°48'10.243"W	2242.94	76.924	1.18	0.97	1.27	
5394.00	32.160	75.250	4775.36	-229.77	1519.26	2230.88	1696071.45	14347115.17	39°30'30.342"N	80°48'9.654"W	2290.51	76.897	0.60	-0.36	-0.90	

Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION		Well	Tapeats Unit 3H
Operator	ANTERO RESOURCES CORPORATION	API	47-095-02715-0000
Field	Tyler	Wellbore	Tapeats Unit 3H AWB
Facility	Grand Pad		
Slot	Slot #05		

WELLPATH DATA (278 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 (1/100ft)	Built Rate (1/100ft)	Turn Rate (1/100ft)	Comments
5482.00	31.030	69.080	4850.33	-230.63	533.32	2274.72	1696115.28	14347129.23	39°30'30.480"N	80°48'9.095"W	2336.41	76.805	3.89	-1.28	-7.01	
5571.00	30.240	70.310	4926.91	-229.48	549.06	2317.25	1696157.79	14347144.97	39°30'30.635"N	80°48'8.552"W	2381.41	76.670	1.13	-0.89	1.38	
5659.00	30.470	74.780	5002.86	-230.58	562.39	2359.65	1696200.17	14347158.29	39°30'30.766"N	80°48'8.010"W	2425.74	76.594	2.58	0.26	5.08	
5748.00	31.090	75.350	5079.32	-233.70	574.13	2403.66	1696244.16	14347170.02	39°30'30.881"N	80°48'7.449"W	2471.27	76.566	0.77	0.70	0.64	
5836.00	31.410	77.130	5154.95	-237.76	584.98	2448.00	1696288.48	14347180.87	39°30'30.987"N	80°48'6.883"W	2516.92	76.560	1.11	0.36	2.02	
5925.00	30.100	79.160	5231.04	-243.29	594.34	2492.53	1696332.99	14347190.23	39°30'31.079"N	80°48'6.314"W	2562.41	76.588	1.88	-1.47	2.28	
6013.00	30.120	80.150	5307.16	-249.83	602.27	2535.95	1696376.40	14347198.15	39°30'31.156"N	80°48'5.760"N	2606.49	76.640	0.56	0.02	1.13	
6101.00	29.050	76.440	5383.70	-255.26	611.06	2578.48	1696418.92	14347206.93	39°30'31.242"N	80°48'5.217"W	2649.90	76.668	2.41	-1.22	-4.22	
6190.00	28.170	72.130	5461.84	-257.62	622.57	2619.49	1696459.90	14347216.44	39°30'31.355"N	80°48'4.694"W	2692.46	76.631	2.52	-0.99	-4.84	
6278.00	28.790	71.740	5539.33	-258.20	635.59	2659.38	1696499.78	14347224.17	39°30'31.483"N	80°48'4.184"W	2734.28	76.559	0.74	0.70	-0.44	
6367.00	29.380	74.040	5616.87	-259.53	648.30	2700.73	1696541.11	14347234.45	39°30'31.607"N	80°48'3.656"W	2777.45	76.502	1.42	0.66	2.58	
6455.00	30.270	76.930	5693.31	-262.86	659.26	2743.09	1696583.45	14347245.11	39°30'31.715"N	80°48'3.116"W	2821.20	76.486	1.92	1.01	3.28	
6544.00	29.060	77.650	5770.65	-267.57	668.95	2786.06	1696626.40	14347254.81	39°30'31.810"N	80°48'2.567"W	2865.24	76.498	1.42	-1.36	0.81	
6632.00	28.270	80.440	5847.86	-273.37	676.98	2827.49	1696667.82	14347272.84	39°30'31.886"N	80°48'2.038"W	2907.40	76.535	1.77	-0.90	3.17	
6721.00	28.040	80.080	5926.33	-280.02	684.09	2868.88	1696709.19	14347279.94	39°30'31.957"N	80°48'1.510"W	2949.31	76.588	0.32	-0.26	-0.40	
6768.00	27.540	78.240	5967.91	-283.08	688.21	2890.40	1696730.70	14347284.05	39°30'31.998"N	80°48'1.235"W	2971.20	76.607	2.11	-1.06	-3.91	BH AT Curve <-8-1/2"> (6721)-(6768)-24024'
6797.00	27.010	76.540	5993.69	-284.53	691.11	2903.36	1696743.67	14347286.95	39°30'32.026"N	80°48'1.070"W	2984.48	76.611	3.25	-1.83	-5.86	
6885.00	28.190	78.990	6071.88	-289.25	699.73	2943.20	1696783.49	14347295.57	39°30'32.110"N	80°48'0.561"W	3025.24	76.627	1.86	1.34	2.78	
6973.00	28.210	79.740	6149.23	-295.20	707.40	2984.07	1696824.34	14347303.24	39°30'32.185"N	80°48'0.040"W	3066.77	76.664	0.40	0.02	0.85	
7062.00	29.650	75.440	6227.13	-300.00	716.68	3026.08	1696866.34	14347312.52	39°30'32.276"N	80°47'59.503"W	3109.80	76.676	2.84	1.62	-4.83	
7150.00	32.880	60.840	6302.45	-297.35	733.82	3068.08	1696908.32	14347329.65	39°30'32.445"N	80°47'58.967"W	3154.52	76.549	9.34	3.67	-16.59	
7239.00	34.990	52.910	6376.32	-285.04	761.00	3109.56	1696949.78	14347336.82	39°30'32.712"N	80°47'58.437"W	3201.33	76.248	5.51	2.37	-8.91	
7327.00	36.420	46.010	6447.81	-266.05	794.38	3148.50	1696988.70	14347339.18	39°30'33.041"N	80°47'57.939"W	3247.17	75.840	4.85	1.62	-7.84	
7411.00	39.160	30.380	6514.34	-238.07	834.68	3179.93	1697020.12	14347340.46	39°30'33.439"N	80°47'57.537"W	3287.65	75.293	11.83	3.26	-18.61	
7460.00†	42.073	23.598	6551.55	-215.84	863.09	3194.94	1697034.52	14347345.86	39°30'33.719"N	80°47'57.353"W	3308.88	74.880	10.79	5.95	-13.84	(S)camore: 7460' MD
7499.00	44.650	18.750	6579.91	-195.34	888.05	3203.98	1697044.16	14347348.82	39°30'33.966"N	80°47'57.229"W	3324.77	74.508	10.79	6.61	-12.43	
7588.00	48.380	9.670	6641.21	-141.26	950.55	3219.64	1697059.82	14347346.29	39°30'34.583"N	80°47'57.027"W	3357.03	73.552	8.50	4.19	-10.20	
7624.00†	51.076	6.951	6664.48	-116.82	977.72	3223.60	1697063.77	14347353.45	39°30'34.852"N	80°47'56.976"W	3368.61	73.127	9.45	7.49	-7.55	Middlesex: 7624' MD
7676.00	55.070	3.370	6695.73	-78.86	1019.11	3227.30	1697067.47	14347361.82	39°30'35.261"N	80°47'56.928"W	3384.38	72.475	9.45	7.68	-6.89	
7765.00	62.030	359.570	6742.15	-7.69	1094.94	3229.15	1697069.33	14347369.62	39°30'36.010"N	80°47'56.902"N	3409.74	71.269	8.62	7.82	-4.27	

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Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #05
Well	Tapeats Unit 3H
API	47-095-02715-0000
Wellbore	Tapeats Unit 3H AWB

WELLPATH DATA (278 stations) † = interpolated, ‡ = extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)	Comments
7825.00†	66.564	358.267	6768.12	43.80	1149.00	3228.12	1697068.29	14347744.56	39°30'36.5448"N	80°47'56.9139"W	3426.51	70.408	7.97	7.72	-2.17	Burkett: 7825' MD
7853.00	68.830	357.690	6778.72	68.60	1174.90	3227.21	1697067.38	14347770.55	39°30'36.8008"N	80°47'56.9243"W	3434.42	69.995	7.97	7.74	-2.06	
7916.00†	71.630	353.634	6800.03	125.98	1233.99	3222.70	1697062.88	14347829.62	39°30'37.3850"N	80°47'56.9806"W	3450.88	69.048	7.51	4.44	-6.44	Jully: 7916' MD
7942.00	72.810	352.000	6807.97	150.22	1258.55	3219.61	1697059.78	14347854.17	39°30'37.6278"N	80°47'57.0194"W	3456.85	68.649	7.51	4.54	-6.29	
8030.00	73.750	344.120	6833.33	233.81	1340.93	3202.17	1697042.36	14347936.51	39°30'38.4423"N	80°47'57.2395"W	3471.60	67.278	8.64	1.07	-8.95	
8119.00	77.750	344.150	6855.23	319.94	1423.89	3178.60	1697018.79	14348019.44	39°30'39.2627"N	80°47'57.5379"W	3482.95	65.869	4.49	4.49	0.03	
8127.00†	78.241	344.024	6856.89	327.75	1431.41	3176.45	1697016.65	14348026.96	39°30'39.3372"N	80°47'57.5651"W	3484.08	65.742	6.33	6.13	-1.58	Marcellus POE: 8127' MD
8207.00	83.150	342.780	6869.83	406.61	1507.04	3153.90	1696994.10	14348102.56	39°30'40.0852"N	80°47'57.8507"W	3495.47	64.460	6.33	6.14	-1.55	
8295.00	88.210	342.960	6876.45	494.29	1590.88	3128.06	1696988.28	14348186.36	39°30'40.9142"N	80°47'58.1779"W	3509.37	63.043	5.75	5.75	0.20	
8384.00	90.220	343.030	6877.67	583.24	1675.97	3102.04	1696942.26	14348271.42	39°30'41.7558"N	80°47'58.5076"W	3525.84	61.619	2.26	2.26	0.08	
8472.00	89.540	342.500	6877.86	671.20	1760.02	3075.97	1696916.20	14348355.44	39°30'42.5871"N	80°47'58.8378"W	3543.90	60.222	0.98	-0.77	-0.60	
8561.00	88.920	341.590	6879.05	760.18	1844.68	3048.53	1696886.78	14348440.06	39°30'43.4244"N	80°47'59.1855"W	3563.20	58.822	1.24	-0.70	-1.02	
8649.00	88.980	340.920	6880.66	848.16	1927.99	3020.26	1696860.51	14348523.34	39°30'44.2485"N	80°47'59.5439"W	3583.17	57.448	0.76	0.07	-0.76	
8738.00	89.940	341.780	6881.50	937.16	2012.31	2991.80	1696832.07	14348607.63	39°30'45.0825"N	80°47'59.9046"W	3605.59	56.075	1.45	1.08	0.97	
8826.00	89.970	341.810	6881.57	1025.15	2095.91	2964.31	1696804.58	14348691.19	39°30'45.9093"N	80°48'0.2530"W	3630.42	54.738	1.05	0.03	0.03	
8915.00	89.600	340.240	6881.91	1114.15	2180.07	2935.37	1696775.66	14348775.32	39°30'46.7417"N	80°48'0.6198"W	3656.38	53.399	1.81	-0.42	-1.76	
9003.00	90.250	343.120	6882.02	1202.13	2263.60	2907.71	1696748.01	14348858.82	39°30'47.5678"N	80°48'0.9703"W	3684.93	52.100	3.36	0.74	3.27	
9092.00	90.180	342.070	6881.69	1291.10	2348.52	2881.09	1696721.40	14348943.71	39°30'48.4077"N	80°48'1.3078"W	3717.02	50.815	1.18	-0.08	-1.18	
9180.00	89.260	340.380	6882.12	1379.10	2431.94	2852.77	1696693.09	14349026.99	39°30'49.2318"N	80°48'1.6666"W	3748.62	49.554	2.19	-1.05	-1.92	
9269.00	90.150	343.040	6882.58	1468.08	2516.33	2824.84	1696665.18	14349111.45	39°30'50.0675"N	80°48'2.0205"W	3783.07	48.306	3.15	1.00	2.99	
9357.00	88.990	341.180	6883.31	1556.06	2600.07	2797.81	1696638.16	14349195.15	39°30'50.8956"N	80°48'2.3631"W	3819.44	47.098	2.55	-1.43	-2.11	
9446.00	90.580	344.220	6883.73	1645.01	2685.03	2771.35	1696611.70	14349280.08	39°30'51.7359"N	80°48'2.6983"W	3856.72	45.906	3.91	1.90	3.42	
9534.00	88.660	339.450	6884.29	1732.98	2768.61	2743.93	1696584.29	14349363.63	39°30'52.5626"N	80°48'3.0459"W	3897.99	44.743	5.83	-2.16	-5.42	
9623.00	89.850	342.690	6885.44	1821.96	2852.78	2715.06	1696555.44	14349447.76	39°30'53.3951"N	80°48'3.4118"W	3938.26	43.583	3.87	1.31	3.64	
9711.00	89.510	342.080	6885.93	1908.93	2936.65	2688.43	1696528.82	14349531.60	39°30'54.2246"N	80°48'3.7492"W	3981.40	42.473	0.79	-0.39	-0.69	
9800.00	90.370	341.490	6886.02	1998.93	3021.19	2660.61	1696501.01	14349616.11	39°30'55.0607"N	80°48'4.1018"W	4025.72	41.369	1.17	0.97	-0.66	
9888.00	90.710	340.680	6885.19	2086.92	3104.43	2632.09	1696472.50	14349699.32	39°30'55.8841"N	80°48'4.4634"W	4070.06	40.293	1.00	0.39	-0.92	
9977.00	89.540	337.480	6885.00	2175.85	3187.55	2600.31	1696440.73	14349782.40	39°30'56.7063"N	80°48'4.8665"W	4113.65	39.207	3.83	-1.31	-3.60	
10065.00	88.580	337.950	6886.44	2263.68	3268.97	2566.95	1696407.38	14349863.79	39°30'57.5117"N	80°48'5.2893"W	4156.36	38.141	1.21	-1.09	0.53	
10154.00	87.840	339.960	6889.22	2352.57	3351.99	2535.00	1696375.45	14349946.77	39°30'58.3328"N	80°48'5.6952"W	4202.63	37.099	2.41	-0.83	2.26	



Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #05
Well	Tapeats Unit 3H
API	47-095-02715-0000
Wellbore	Tapeats Unit 3H AWB

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
10242.00	89.720	342.330	6891.09	2440.54	3435.24	2506.57	1696347.03	14350029.99	39°30'59.1632"N	80°48'6.0556"W	4252.50	36.117	3.44	2.14	2.69	
10331.00	89.600	341.620	6891.62	2529.52	3519.87	2479.03	1696319.51	14350114.58	39°30'59.9333"N	80°48'6.4046"W	4305.24	35.157	0.81	-0.13	-0.80	
10419.00	89.230	340.750	6892.52	2617.52	3603.16	2450.66	1696291.14	14350197.84	39°31'0.8171"N	80°48'6.7644"W	4357.58	34.221	0.07	-0.42	-0.99	
10508.00	89.170	340.770	6893.76	2706.51	3687.18	2421.33	1696261.83	14350281.83	39°31'1.6481"N	80°48'7.1362"W	4411.14	33.292	1.07	-0.07	0.02	
10596.00	89.230	341.630	6894.99	2794.50	3770.53	2393.12	1696233.63	14350365.14	39°31'2.4725"N	80°48'7.4938"W	4465.86	32.403	1.21	0.07	1.20	
10685.00	88.580	341.060	6896.69	2883.48	3854.88	2364.80	1696205.32	14350449.47	39°31'3.3068"N	80°48'7.8528"W	4522.44	31.527	1.13	-0.73	-0.87	
10773.00	88.520	341.210	6898.92	2971.45	3938.13	2336.36	1696176.89	14350532.68	39°31'4.1302"N	80°48'8.2134"W	4579.02	30.679	0.18	-0.07	0.17	
10861.00	90.520	343.550	6899.66	3059.42	4021.98	2309.73	1696150.27	14350616.50	39°31'4.9596"N	80°48'8.5509"W	4638.02	29.868	3.50	2.27	2.66	
10950.00	88.490	338.900	6900.43	3148.38	4106.22	2281.09	1696121.64	14350700.70	39°31'5.7927"N	80°48'8.9139"W	4697.28	29.053	5.70	-2.28	-5.22	
11038.00	89.720	342.180	6901.78	3236.36	4189.17	2251.78	1696092.35	14350783.62	39°31'6.6131"N	80°48'9.2855"W	4756.02	28.259	3.99	1.43	3.73	
11127.00	91.020	343.510	6901.18	3325.31	4274.21	2225.53	1696066.11	14350866.92	39°31'7.4541"N	80°48'9.6181"W	4818.90	27.506	2.07	1.43	1.49	
11215.00	91.380	341.770	6899.34	3413.26	4358.18	2199.28	1696039.87	14350952.66	39°31'8.2846"N	80°48'9.9507"W	4881.65	26.777	2.02	0.41	-1.98	
11304.00	90.650	341.720	6897.76	3502.24	4442.68	2171.41	1696012.00	14351037.03	39°31'9.1204"N	80°48'9.3040"W	4944.94	26.048	0.82	-0.82	-0.06	
11392.00	90.220	341.910	6897.09	3590.23	4526.29	2143.95	1695984.55	14351120.60	39°31'9.9473"N	80°48'10.6521"W	5008.37	25.345	0.53	-0.49	0.22	
11481.00	91.140	342.000	6896.04	3679.21	4610.90	2116.38	1695957.00	14351206.18	39°31'10.7841"N	80°48'11.0015"W	5073.41	24.655	1.04	1.03	0.10	
11569.00	89.720	342.840	6895.38	3767.19	4694.79	2089.80	1695930.43	14351289.03	39°31'11.6138"N	80°48'11.3383"W	5138.90	23.995	1.87	-1.61	0.95	
11658.00	89.510	341.750	6895.97	3856.16	4779.57	2062.74	1695903.37	14351373.78	39°31'12.4523"N	80°48'11.6813"W	5205.68	23.344	1.25	-0.24	-1.22	
11746.00	89.920	342.330	6897.18	3944.14	4863.27	2035.60	1695876.25	14351457.45	39°31'13.2801"N	80°48'12.0252"W	5272.10	22.713	0.94	-0.67	0.66	
11835.00	89.290	341.600	6898.57	4033.12	4947.89	2008.05	1695848.71	14351542.03	39°31'14.1170"N	80°48'12.3744"W	5339.84	22.089	0.92	0.42	-0.82	
11923.00	89.540	339.820	6899.47	4121.11	5030.94	1978.99	1695819.66	14351626.05	39°31'14.9385"N	80°48'12.7430"W	5406.17	21.473	2.04	0.28	-2.02	
12012.00	89.750	339.900	6900.02	4210.09	5114.49	1948.34	1695789.03	14351708.58	39°31'15.7649"N	80°48'13.1317"W	5473.03	20.854	0.25	0.24	0.09	
12100.00	91.020	339.650	6899.43	4298.06	5197.06	1917.92	1695758.62	14351791.11	39°31'16.5817"N	80°48'13.5176"W	5539.67	20.256	1.47	1.44	-0.28	
12189.00	89.940	338.340	6898.68	4386.99	5280.14	1886.02	1695726.73	14351874.16	39°31'17.4035"N	80°48'13.9224"W	5606.87	19.656	1.91	-1.21	-1.47	
12277.00	88.770	337.430	6899.67	4474.84	5361.66	1852.90	1695693.62	14351955.65	39°31'18.2098"N	80°48'14.3428"W	5672.80	19.084	1.68	-1.33	-1.03	
12366.00	88.740	338.970	6901.61	4563.70	5444.28	1819.85	1695660.59	14352038.23	39°31'19.0270"N	80°48'14.7622"W	5740.38	18.483	1.73	-0.03	1.73	
12454.00	90.580	342.140	6902.13	4651.68	5527.24	1790.56	1695631.31	14352121.16	39°31'19.8476"N	80°48'15.1336"W	5810.04	17.950	4.16	2.09	3.60	
12543.00	89.540	338.890	6902.04	4740.66	5611.13	1760.88	1695601.64	14352205.01	39°31'20.6774"N	80°48'15.5101"W	5880.94	17.423	3.83	-1.17	-3.65	
12631.00	89.850	342.430	6902.51	4828.64	5694.15	1731.74	1695572.51	14352288.00	39°31'21.4985"N	80°48'15.8796"W	5951.66	16.916	4.04	0.35	4.02	
12720.00	90.430	342.860	6902.29	4917.61	5779.10	1705.20	1695545.98	14352372.91	39°31'22.3387"N	80°48'16.2160"W	6025.42	16.439	0.81	0.65	0.48	
12808.00	91.320	341.180	6900.94	5005.59	5862.79	1678.04	1695518.93	14352456.57	39°31'23.1664"N	80°48'16.5603"W	6098.20	15.972	2.16	1.01	-1.91	

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Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'

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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Well	Tapeats Unit 3H
API	47-095-02715-0000
Wellbore	Tapeats Unit 3H AWB
Facility	Grand Pad
Slot	Slot #05

WELLPATH DATA (278 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 (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (°/100ft)	Comments
12897.00	87.690	339.120	6901.71	5094.55	5946.48	1647.82	1695488.63	14352540.23	39°31'23.9941"N	80°48'16.9435"W	6170.57	15.489	4.69	-4.08	-2.31	
12985.00	90.120	340.900	6903.39	5182.51	6029.15	1617.75	1695458.56	14352622.87	39°31'24.8119"N	80°48'17.3250"W	6242.42	15.020	3.42	2.76	2.02	
13073.00	89.170	340.160	6903.94	5270.50	6112.12	1588.42	1695429.25	14352705.80	39°31'26.6328"N	80°48'17.6970"W	6315.14	14.968	1.37	-1.08	-0.84	
13162.00	88.950	339.540	6905.40	5359.46	6195.66	1557.76	1695398.60	14352789.31	39°31'28.4588"N	80°48'18.0859"W	6388.49	14.113	0.74	-0.25	-0.70	
13250.00	89.860	340.620	6906.47	5447.44	6278.39	1527.78	1695368.64	14352872.00	39°31'27.2770"N	80°48'18.4661"W	6461.60	13.677	1.47	0.81	1.23	
13337.00	89.850	340.270	6906.85	5536.43	6362.25	1498.00	1695338.86	14352955.83	39°31'28.1066"N	80°48'18.8440"W	6536.22	13.249	0.45	0.21	-0.39	
13427.00	90.770	341.680	6906.37	5624.43	6445.44	1469.32	1695310.89	14353032.99	39°31'28.9294"N	80°48'19.2076"W	6610.80	12.842	1.92	1.05	1.61	
13516.00	91.880	339.830	6904.31	5713.40	6529.44	1440.00	1695280.89	14353112.96	39°31'29.7602"N	80°48'19.5794"W	6686.35	12.437	2.43	1.25	-2.09	
13604.00	90.370	340.070	6902.59	5801.36	6612.09	1409.84	1695250.74	14353205.58	39°31'30.5777"N	80°48'19.9621"W	6760.72	12.036	1.74	-1.72	0.27	
13693.00	90.220	340.390	6902.13	5890.35	6695.84	1379.73	1695220.64	14353289.30	39°31'31.4061"N	80°48'20.3439"W	6836.52	11.643	0.40	-0.17	0.36	
13781.00	90.550	341.530	6901.54	5978.34	6779.03	1351.03	1695191.95	14353372.44	39°31'32.2288"N	80°48'20.7080"W	6912.34	11.271	1.35	0.37	1.30	
13870.00	90.030	340.370	6901.09	6067.34	6863.15	1321.98	1695162.91	14353456.53	39°31'33.0608"N	80°48'21.0764"W	6989.31	10.903	1.43	-0.58	-1.30	
13958.00	89.780	340.020	6901.23	6155.33	6945.94	1292.16	1695133.11	14353539.30	39°31'33.8798"N	80°48'21.4546"W	7065.11	10.538	0.49	-0.28	-0.40	
14047.00	91.200	340.990	6900.47	6244.31	7029.84	1262.46	1695103.42	14353623.15	39°31'34.7095"N	80°48'21.8313"W	7142.30	10.181	1.93	1.60	1.09	
14135.00	89.690	339.780	6899.79	6332.30	7112.72	1232.92	1695073.89	14353706.01	39°31'35.5293"N	80°48'22.2060"W	7218.79	9.834	2.20	-1.72	-1.37	
14223.00	89.820	340.130	6900.16	6420.28	7195.39	1202.76	1695043.74	14353788.64	39°31'36.3470"N	80°48'22.5886"W	7295.22	9.490	0.42	0.15	0.40	
14312.00	90.400	339.340	6899.99	6509.25	7278.88	1171.94	1695012.93	14353872.10	39°31'37.1728"N	80°48'22.9797"W	7372.62	9.146	1.10	0.65	-0.89	
14400.00	88.860	340.180	6900.56	6597.22	7361.44	1141.49	1694982.50	14353954.63	39°31'37.9895"N	80°48'23.3660"W	7449.42	8.814	1.99	-1.75	0.95	
14489.00	89.140	340.850	6902.11	6686.20	7445.33	1111.81	1694952.83	14354038.48	39°31'38.8192"N	80°48'23.7424"W	7527.89	8.493	0.82	0.31	0.75	
14577.00	89.050	340.570	6903.50	6774.19	7528.38	1082.74	1694923.77	14354121.50	39°31'39.6406"N	80°48'24.1111"W	7605.84	8.184	0.33	-0.10	-0.32	
14665.00	88.770	339.960	6905.18	6862.16	7611.20	1053.04	1694894.08	14354204.28	39°31'40.4597"N	80°48'24.4880"W	7683.70	7.877	0.76	-0.32	-0.69	
14754.00	88.800	338.650	6907.07	6951.09	7694.43	1021.59	1694862.64	14354287.49	39°31'41.2830"N	80°48'24.8870"W	7761.96	7.563	1.47	0.03	-1.47	
14842.00	89.880	340.340	6908.08	7039.05	7776.85	990.77	1694831.83	14354369.87	39°31'42.0982"N	80°48'25.2781"W	7839.71	7.260	2.28	1.23	1.92	
14931.00	89.420	341.100	6908.62	7128.04	7860.85	961.38	1694802.46	14354453.84	39°31'42.9291"N	80°48'25.6608"W	7919.43	6.973	1.00	-0.52	0.85	
15020.00	89.230	341.310	6909.67	7217.04	7945.10	932.71	1694773.80	14354538.05	39°31'43.7624"N	80°48'26.0144"W	7999.66	6.696	0.32	-0.21	0.24	
15108.00	91.940	345.220	6908.77	7304.94	8029.35	907.38	1694748.48	14354622.27	39°31'44.5955"N	80°48'26.3354"W	8080.45	6.448	5.41	3.08	4.44	
15197.00	92.370	340.120	6905.42	7393.82	8114.22	880.90	1694722.01	14354707.10	39°31'45.4349"N	80°48'26.6711"W	8161.89	6.196	5.75	0.48	-5.73	
15285.00	91.110	342.410	6902.75	7481.77	8197.51	852.65	1694693.77	14354790.36	39°31'46.2587"N	80°48'27.0293"W	8241.73	5.938	2.97	-1.43	2.60	
15373.00	90.090	337.200	6901.83	7569.71	8280.07	822.28	1694663.41	14354872.88	39°31'47.0752"N	80°48'27.4146"W	8320.80	5.671	6.03	-1.16	-5.92	
15462.00	89.940	341.280	6901.81	7658.64	8363.27	790.74	1694631.89	14354956.06	39°31'47.8962"N	80°48'27.8148"W	8400.57	5.401	4.59	-0.17	4.58	



Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION		
Field	Taylor	Well	Tapeats Unit 3H
Facility	Grand Pad	API	47-095-02715-0000
Slot	Slot #05	Wellbore	Tapeats Unit 3H AWB

WELLPATH DATA (278 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
15550.00	89.940	340.840	6901.90	7746.64	8446.31	762.18	1694603.34	14355039.26	39°31'48.7215"N	80°48'28.1771"W	8480.82	5.156	0.50	0.00	-0.50	
15639.00	90.820	340.030	6901.46	7835.63	8530.36	732.38	1694573.54	14355123.08	39°31'49.5509"N	80°48'28.5552"W	8561.75	4.907	1.19	0.76	-0.91	
15727.00	90.490	340.010	6900.61	7923.61	8613.06	702.31	1694543.49	14355205.75	39°31'50.3689"N	80°48'28.9366"W	8641.65	4.662	0.15	-0.15	-0.02	
15815.00	90.740	340.560	6899.67	8011.60	8695.90	672.62	1694513.82	14355288.55	39°31'51.1682"N	80°48'29.3132"W	8721.88	4.423	0.69	0.28	0.63	
15904.00	90.400	341.430	6898.78	8100.59	8780.04	643.64	1694484.85	14355372.66	39°31'52.0204"N	80°48'29.6808"W	8803.60	4.193	1.05	-0.38	0.98	
15992.00	90.620	342.760	6898.00	8188.57	8863.78	616.59	1694457.80	14355456.36	39°31'52.8486"N	80°48'30.0238"W	8885.20	3.979	1.53	0.25	1.51	
16081.00	89.890	342.220	6897.78	8277.55	8948.65	589.81	1694431.04	14355541.20	39°31'53.6880"N	80°48'30.3632"W	8968.07	3.771	1.21	-1.04	-0.61	
16169.00	90.060	341.950	6897.95	8365.54	9032.38	562.74	1694403.98	14355624.90	39°31'54.5161"N	80°48'30.7084"W	9048.90	3.565	0.52	0.42	-0.31	
16258.00	90.000	341.030	6897.90	8454.53	9116.78	534.49	1694375.74	14355709.26	39°31'55.3508"N	80°48'31.0647"W	9132.43	3.355	1.04	-0.07	-1.03	
16346.00	90.030	341.500	6897.88	8542.53	9200.12	506.22	1694347.48	14355792.57	39°31'56.1750"N	80°48'31.4232"W	9214.03	3.149	0.54	0.03	0.53	
16434.00	90.120	342.250	6897.78	8630.53	9283.75	478.85	1694320.12	14355876.17	39°31'57.0022"N	80°48'31.7703"W	9296.09	2.953	0.86	0.10	0.85	
16523.00	90.340	342.510	6897.58	8719.52	9368.31	451.09	1694292.37	14355960.69	39°31'57.8385"N	80°48'32.1223"W	9379.16	2.757	0.96	0.00	-0.96	
16611.00	90.800	342.510	6897.22	8807.51	9451.98	423.83	1694265.12	14356044.33	39°31'58.6660"N	80°48'32.4680"W	9461.47	2.567	1.29	0.25	1.26	
16700.00	89.970	342.040	6896.98	8896.49	9536.75	396.73	1694238.04	14356129.07	39°31'59.5044"N	80°48'32.8115"W	9545.00	2.382	0.67	-0.42	-0.53	
16788.00	90.250	342.510	6896.81	8984.47	9620.57	369.94	1694211.25	14356212.86	39°32'0.3334"N	80°48'33.1512"W	9627.68	2.202	0.62	0.32	0.53	
16877.00	89.880	340.650	6896.71	9073.46	9705.01	341.82	1694183.15	14356297.26	39°32'1.1685"N	80°48'33.5078"W	9711.03	2.017	2.13	-0.42	-2.09	
16965.00	90.830	341.790	6896.17	9161.46	9788.32	313.49	1694154.83	14356380.54	39°32'1.9924"N	80°48'33.8671"W	9793.34	1.834	1.69	1.08	1.30	
17054.00	90.580	341.500	6895.07	9250.45	9872.79	285.47	1694126.81	14356464.97	39°32'2.8278"N	80°48'34.2225"W	9876.91	1.656	0.43	-0.28	-0.33	
17142.00	90.890	341.750	6893.94	9338.44	9956.29	257.73	1694099.09	14356548.44	39°32'3.6537"N	80°48'34.5742"W	9959.63	1.483	0.45	0.35	0.28	
17230.00	90.800	342.350	6892.85	9428.42	10040.00	230.61	1694071.98	14356632.12	39°32'4.4815"N	80°48'34.9181"W	10042.65	1.316	0.59	-0.10	0.68	
17319.00	90.250	342.560	6891.93	9515.39	10124.86	203.78	1694045.16	14356716.94	39°32'5.3208"N	80°48'35.2582"W	10126.91	1.153	0.66	-0.62	0.24	
17407.00	90.220	341.180	6891.47	9603.38	10208.48	176.40	1694017.79	14356800.53	39°32'6.1479"N	80°48'35.6054"W	10210.01	0.990	1.57	-0.03	-1.57	
17496.00	90.620	340.710	6890.82	9692.38	10292.60	147.35	1693998.75	14356884.62	39°32'6.9799"N	80°48'35.9740"W	10293.66	0.820	0.69	0.45	-0.53	
17584.00	90.370	339.890	6890.06	9780.36	10375.45	117.68	1693969.10	14356967.43	39°32'7.7993"N	80°48'36.3504"W	10376.12	0.650	0.97	-0.28	-0.93	
17673.00	90.920	341.030	6889.06	9869.35	10459.32	87.92	1693939.34	14357051.27	39°32'8.6288"N	80°48'36.7280"W	10459.69	0.482	1.42	0.62	1.28	
17761.00	90.400	341.190	6888.04	9957.34	10542.57	59.43	1693900.87	14357134.49	39°32'9.4522"N	80°48'37.0894"W	10542.74	0.323	0.62	-0.59	0.18	
17850.00	90.220	341.210	6887.56	10046.34	10626.82	30.75	1693872.20	14357218.71	39°32'10.2855"N	80°48'37.4532"W	10626.87	0.166	0.20	-0.20	0.02	
17938.00	89.850	340.160	6887.51	10134.34	10709.87	1.66	1693843.12	14357301.72	39°32'11.1069"N	80°48'37.8222"W	10709.87	0.009	1.24	-0.42	-1.17	
18027.00	90.800	341.050	6887.00	10223.33	10793.82	-27.88	1693813.59	14357385.64	39°32'11.9372"N	80°48'38.1970"W	10793.86	359.852	1.45	1.07	0.98	
18115.00	90.090	341.160	6886.32	10311.33	10877.08	-56.38	1693785.10	14357468.86	39°32'12.7607"N	80°48'38.5585"W	10877.23	359.703	0.82	-0.81	0.12	

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Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'

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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Well	Tapeats Unit 3H
API	47-095-02715-0000
Facility	Grand Pad
Wellbore	Tapeats Unit 3H AWB
Slot	Slot #05

WELLPATH DATA (278 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
18203.00	89.850	339.900	6886.36	10399.32	10960.05	-85.71	1693755.78	14357551.80	39°32'13.5812"N	80°48'38.9306"W	10960.38	359.552	1.46	-0.27	-1.43	
18292.00	90.180	340.180	6886.34	10488.30	11043.70	-116.09	1693725.42	14357635.42	39°32'14.4087"N	80°48'39.3162"W	11044.31	359.398	0.49	0.37	0.31	
18381.00	90.770	340.470	6885.60	10577.29	11127.48	-146.10	1693695.42	14357719.17	39°32'15.2373"N	80°48'39.6969"W	11128.44	359.248	0.71	0.66	0.26	
18469.00	90.680	340.950	6884.49	10665.28	11210.52	-175.21	1693666.32	14357802.17	39°32'16.0686"N	80°48'40.0663"W	11211.89	359.105	0.62	-0.10	0.61	
18557.00	90.950	341.910	6883.24	10753.27	11293.93	-203.23	1693638.31	14357885.55	39°32'16.8636"N	80°48'40.4217"W	11295.76	358.969	1.13	0.31	1.09	
18646.00	90.680	341.090	6881.97	10842.26	11378.32	-231.47	1693610.08	14357969.91	39°32'17.7182"N	80°48'40.7798"W	11380.68	358.835	0.97	-0.30	-0.92	
18734.00	90.710	341.040	6880.90	10930.25	11461.55	-260.02	1693581.54	14358053.10	39°32'18.5414"N	80°48'41.1421"W	11464.50	358.700	0.07	0.03	-0.06	
18823.00	90.890	341.210	6879.66	11019.24	11545.76	-288.81	1693552.76	14358137.28	39°32'19.3742"N	80°48'41.5073"W	11549.37	358.567	0.28	0.20	0.19	
18912.00	91.020	341.070	6878.18	11108.23	11629.97	-317.58	1693524.01	14358221.45	39°32'20.2071"N	80°48'41.8722"W	11634.30	358.436	0.21	0.15	-0.16	
19000.00	90.830	341.760	6876.76	11196.22	11713.37	-345.62	1693495.98	14358304.82	39°32'21.0319"N	80°48'42.2278"W	11718.47	358.310	0.81	-0.22	0.78	
19089.00	90.580	340.290	6875.66	11285.21	11797.52	-374.56	1693467.05	14358388.94	39°32'21.8643"N	80°48'42.5960"W	11803.47	358.182	1.68	-0.28	-1.65	
19177.00	90.650	340.370	6874.72	11373.19	11880.38	-404.18	1693437.45	14358471.77	39°32'22.6838"N	80°48'42.9708"W	11887.26	358.052	0.12	0.08	0.09	
19265.00	91.050	340.640	6873.41	11461.18	11963.33	-433.54	1693408.09	14358554.68	39°32'23.5042"N	80°48'43.3434"W	11971.18	357.925	0.55	0.45	0.31	
19354.00	90.490	340.640	6872.22	11550.17	12047.29	-463.04	1693378.60	14358638.61	39°32'24.3346"N	80°48'43.7177"W	12056.18	357.799	0.63	-0.63	0.00	
19443.00	90.250	340.500	6871.64	11639.16	12131.22	-492.65	1693349.01	14358722.50	39°32'25.1647"N	80°48'44.0934"W	12141.22	357.675	0.31	-0.27	-0.16	
19531.00	90.180	340.670	6871.31	11727.16	12214.21	-521.90	1693319.77	14358805.46	39°32'25.9856"N	80°48'44.4646"W	12225.36	357.553	0.21	-0.08	0.19	
19620.00	90.220	341.080	6871.00	11816.15	12298.30	-551.06	1693290.62	14358889.52	39°32'26.8172"N	80°48'44.8345"W	12310.64	357.434	0.46	0.04	0.46	
19708.00	90.830	340.760	6870.19	11904.15	12381.46	-579.82	1693261.87	14358972.65	39°32'27.6397"N	80°48'45.1994"W	12395.03	357.319	0.78	0.69	-0.36	
19796.00	90.770	341.280	6868.97	11992.14	12464.87	-608.44	1693233.26	14359055.82	39°32'28.4627"N	80°48'45.5625"W	12479.51	357.205	0.59	-0.07	0.59	
19885.00	90.580	341.490	6867.92	12081.13	12549.01	-636.85	1693204.87	14359140.12	39°32'29.2968"N	80°48'45.9229"W	12565.16	357.095	0.32	-0.21	0.24	
19973.00	90.650	340.800	6866.97	12169.13	12632.28	-665.28	1693176.44	14359223.36	39°32'30.1204"N	80°48'46.2837"W	12649.79	356.985	0.79	0.08	-0.78	
20062.00	90.180	340.870	6866.33	12258.12	12716.35	-694.50	1693147.24	14359307.40	39°32'30.9518"N	80°48'46.6544"W	12735.30	356.874	0.53	-0.53	0.08	
20150.00	90.060	340.580	6866.14	12346.12	12799.42	-723.54	1693118.21	14359390.43	39°32'31.7734"N	80°48'47.0229"W	12819.85	356.765	0.35	-0.14	-0.32	
20239.00	90.030	340.930	6866.07	12435.12	12883.44	-752.87	1693088.89	14359474.43	39°32'32.6045"N	80°48'47.3950"W	12905.42	356.656	0.38	-0.03	0.38	
20327.00	89.970	340.530	6866.07	12523.12	12966.51	-781.91	1693059.86	14359557.46	39°32'33.4261"N	80°48'47.7635"W	12990.07	356.549	0.46	-0.07	-0.45	
20416.00	90.150	341.240	6865.98	12612.12	13050.81	-811.06	1693030.73	14359641.52	39°32'34.2578"N	80°48'48.1333"W	13075.78	356.444	0.82	0.20	0.80	
20504.00	91.020	341.470	6865.08	12700.11	13133.88	-839.19	1693002.61	14359724.87	39°32'35.0824"N	80°48'48.4902"W	13160.76	356.344	1.02	0.99	0.26	
20593.00	90.430	341.340	6863.96	12789.10	13216.33	-867.57	1692974.24	14359809.18	39°32'35.9166"N	80°48'48.8502"W	13246.77	356.245	0.68	-0.86	-0.15	
20681.00	90.000	340.930	6863.63	12877.10	13301.60	-896.02	1692945.80	14359892.42	39°32'36.7402"N	80°48'49.2112"W	13331.75	356.146	0.68	-0.49	-0.47	
20770.00	90.430	341.300	6863.29	12966.10	13385.81	-924.83	1692917.00	14359976.59	39°32'37.5730"N	80°48'49.5766"W	13417.72	356.048	0.64	0.48	0.42	



Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #05
Well	Tapeats Unit 3H
API	47-095-02715-0000
Wellbore	Tapeats Unit 3H AWB

WELLPATH DATA (278 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 (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
20858.00	90.400	340.670	6862.65	13054.10	13469.00	-953.50	1692888.34	14360059.75	39°32'38.3958"N	80°48'49.9404"W	13502.71	355.951	0.72	-0.03	-0.72	
20947.00	90.120	340.500	6862.25	13143.09	13552.94	-983.08	1692858.77	14360143.66	39°32'39.2260"N	80°48'50.3158"W	13588.55	355.851	0.37	-0.31	-0.19	
21035.00	90.370	341.180	6861.87	13231.09	13636.07	-1011.96	1692829.90	14360226.75	39°32'40.0482"N	80°48'50.6823"W	13673.57	355.756	0.82	0.28	0.77	
21124.00	90.370	341.190	6861.30	13320.09	13720.31	-1040.67	1692801.21	14360310.96	39°32'40.8813"N	80°48'51.0465"W	13759.72	355.663	0.01	0.90	0.01	
21212.00	90.090	340.920	6860.95	13408.08	13803.54	-1069.24	1692772.65	14360394.16	39°32'41.7045"N	80°48'51.4090"W	13844.89	355.571	0.44	-0.32	-0.31	
21300.00	89.540	341.310	6861.23	13496.08	13886.80	-1097.72	1692744.18	14360477.39	39°32'42.5280"N	80°48'51.7704"W	13930.12	355.480	0.77	-0.63	0.44	
21389.00	89.660	340.930	6861.85	13585.08	13971.01	-1126.52	1692715.39	14360561.56	39°32'43.3609"N	80°48'52.1358"W	14016.36	355.390	0.45	0.13	-0.43	
21477.00	89.910	341.270	6862.18	13673.08	14054.27	-1155.02	1692686.90	14360644.78	39°32'44.1843"N	80°48'52.4974"W	14101.66	355.302	0.48	0.28	0.39	
21566.00	90.310	341.660	6862.01	13762.08	14138.65	-1183.31	1692658.62	14360729.13	39°32'45.0188"N	80°48'52.8564"W	14188.08	355.216	0.63	0.45	0.44	
21654.00	89.510	341.460	6862.15	13850.08	14222.13	-1211.15	1692630.79	14360812.58	39°32'45.8445"N	80°48'53.2095"W	14273.61	355.132	0.94	-0.91	-0.23	
21742.00	89.350	340.760	6863.03	13938.07	14305.39	-1239.64	1692602.32	14360895.80	39°32'46.6679"N	80°48'53.5710"W	14359.00	355.047	0.82	-0.18	-0.80	
21831.00	89.780	340.780	6863.70	14027.07	14389.42	-1268.95	1692573.02	14360979.80	39°32'47.4990"N	80°48'53.9429"W	14445.26	354.960	0.48	0.48	0.02	
21919.00	90.830	341.310	6863.23	14115.06	14472.64	-1297.53	1692544.44	14361062.99	39°32'48.3221"N	80°48'54.3056"W	14530.69	354.877	1.34	1.19	0.60	
22008.00	91.260	341.470	6861.61	14204.05	14556.98	-1325.93	1692516.06	14361147.29	39°32'49.1561"N	80°48'54.6659"W	14617.24	354.796	0.52	0.48	0.18	
22096.00	90.250	340.840	6860.45	14292.04	14640.25	-1354.35	1692487.65	14361230.53	39°32'49.9797"N	80°48'55.0266"W	14702.76	354.715	1.35	-1.15	-0.72	
22185.00	91.320	341.000	6859.23	14381.03	14724.35	-1383.44	1692458.57	14361314.60	39°32'50.8115"N	80°48'55.3957"W	14789.20	354.632	1.22	1.29	0.18	
22273.00	91.260	341.170	6857.25	14469.01	14807.58	-1411.96	1692430.06	14361397.79	39°32'51.6347"N	80°48'55.7576"W	14874.74	354.553	0.20	-0.07	0.19	
22362.00	91.290	340.860	6855.27	14557.98	14891.72	-1440.91	1692401.13	14361481.90	39°32'52.4668"N	80°48'56.1249"W	14961.26	354.473	0.35	0.03	-0.35	
22450.00	91.050	340.910	6853.47	14645.96	14974.85	-1469.72	1692372.33	14361565.00	39°32'53.2890"N	80°48'56.4905"W	15046.80	354.395	0.28	-0.27	0.06	
22539.00	90.490	340.950	6852.28	14734.95	15068.96	-1498.79	1692343.26	14361649.07	39°32'54.1208"N	80°48'56.8595"W	15133.36	354.316	0.63	-0.63	0.04	
22627.00	90.550	340.930	6851.48	14822.95	15142.13	-1527.53	1692314.54	14361732.21	39°32'54.9434"N	80°48'57.2241"W	15218.98	354.240	0.07	0.07	-0.02	
22715.00	90.580	341.010	6850.61	14910.95	15225.31	-1556.22	1692285.86	14361815.36	39°32'55.7662"N	80°48'57.5882"W	15304.64	354.164	0.10	0.03	0.09	
22804.00	90.460	341.050	6849.80	14999.94	15309.48	-1585.15	1692256.94	14361899.49	39°32'56.5886"N	80°48'57.9553"W	15391.32	354.089	0.14	-0.13	0.04	
22892.00	90.120	341.400	6849.36	15087.94	15392.79	-1613.48	1692228.63	14361982.78	39°32'57.4228"N	80°48'58.3147"W	15477.12	354.016	0.55	-0.39	0.40	
22981.00	89.780	340.880	6849.43	15176.94	15477.01	-1642.24	1692199.87	14362066.96	39°32'58.2555"N	80°48'58.6798"W	15563.90	353.943	0.70	-0.38	-0.58	
23069.00	89.970	341.060	6849.63	15264.94	15560.20	-1670.94	1692171.19	14362150.12	39°32'59.0783"N	80°48'59.0439"W	15649.66	353.871	0.30	0.22	0.20	
23158.00	89.910	340.870	6849.72	15353.94	15644.26	-1700.19	1692141.95	14362234.14	39°32'59.9096"N	80°48'59.4151"W	15736.38	353.798	0.55	-0.07	-0.55	
23246.00	90.090	341.030	6849.72	15441.94	15727.37	-1729.13	1692113.02	14362317.22	39°33'00.7316"N	80°48'59.7824"W	15822.13	353.726	0.56	0.20	0.52	
23335.00	90.090	341.220	6849.58	15530.94	15811.58	-1757.92	1692084.24	14362401.40	39°33'01.5645"N	80°49'00.1478"W	15909.00	353.656	0.21	0.00	0.21	
23423.00	90.120	341.090	6849.42	15618.94	15894.86	-1786.34	1692055.83	14362484.65	39°33'02.3881"N	80°49'00.5085"W	15994.93	353.588	0.15	0.03	-0.15	

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Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #05
Well	Tapeats Unit 3H
API	47-095-02715-0000
Wellbore	Tapeats Unit 3H AWB

WELLPATH DATA (278 stations) † = interpolated, ‡ = extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
23512.00	90.180	341.120	6849.19	15707.93	15979.07	-1815.16	1692027.02	14362568.62	39°33'3.2209"N	80°49'0.8742"W	16061.83	353.519	0.08	0.07	0.03	
23600.00	90.090	341.200	6848.98	15795.93	16062.35	-1843.58	1691998.61	14362652.07	39°33'4.0446"N	80°49'1.2348"W	16167.81	353.452	0.14	-0.10	0.09	
23689.00	90.030	341.200	6848.88	15984.93	16146.50	-1872.26	1691999.94	14362736.29	39°33'4.8779"N	80°49'1.5988"W	16254.79	353.386	0.07	-0.07	0.00	
23777.00	90.060	340.920	6848.82	15972.93	16229.84	-1900.83	1691941.39	14362819.49	39°33'5.7011"N	80°49'1.9613"W	16340.77	353.320	0.32	0.03	-0.32	
23865.00	89.910	339.940	6848.84	16060.93	16312.75	-1930.30	1691911.93	14362902.37	39°33'6.5212"N	80°49'2.3354"W	16426.56	353.252	1.13	-0.17	-1.11	
23954.00	89.780	340.890	6849.08	16149.92	16396.60	-1960.13	1691882.11	14362986.19	39°33'7.3505"N	80°49'2.7141"W	16513.35	353.183	1.08	-0.15	1.07	
24024.00	90.150	341.250	6849.12	16219.92	16462.82	-1982.84	1691859.41	14363052.37	39°33'8.0053"N	80°49'3.0023"W	16581.80	353.132	0.74	0.53	0.51	
24049.00	90.150	341.250	6849.06	16244.92	16486.49	-1990.88	1691851.38	14363076.04	39°33'8.2394"N	80°49'3.1043"W	16606.26	353.114	0.00	0.00	0.00	Projected MD at TD: 24049'

HOLE & CASING SECTIONS - Ref Wellbore: Tapeats Unit 3H AWB Ref Wellpath: Tapeats Unit 3H AWP Proj: 24049'											
String/Diameter	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start N/S (ft)	End N/S (ft)	Start E/W (ft)	End E/W (ft)	End N/S (ft)	End E/W (ft)
20in Conductor	25.50	105.50	80.00	25.50	105.50	0.00	0.00	0.00	0.00	-0.06	0.01
17.5in Open Hole	105.50	410.00	304.50	105.50	410.00	-0.06	-1.12	0.01	0.01	-1.12	1.02
13.375in Casing Surface	25.50	385.30	359.80	25.50	385.30	0.00	-1.02	0.00	0.00	-1.02	0.74
12.25in Open Hole	410.00	2830.00	2420.00	410.00	2584.37	-1.12	216.29	1.02	1.02	216.29	937.90
9.625in Casing Intermediate	25.50	2810.70	2785.20	25.50	2567.89	0.00	0.00	0.00	0.00	213.55	928.23
8.75in Open Hole	2830.00	6787.00	3957.00	2584.37	5984.79	216.29	690.07	937.90	937.90	690.07	2898.93
8.5in Open Hole	6787.00	24049.00	17262.00	5984.79	6849.06	690.07	16486.49	2898.93	2898.93	16486.49	-1990.88
5.5in Casing Production	25.50	24049.00	24023.50	25.50	6849.06	0.00	16486.49	0.00	0.00	16486.49	-1990.88



WELLSERVICES

Actual Wellpath Report

Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 3H
Field	Tyler	API	47-095-02715-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 3H AWB
Slot	Slot #05		

Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
Tapeats Unit 3H POE Rev-3	6884.00	1336.48	3209.41	1697049.59	14347932.07	39°30'38.3982"N	80°47'57.1473"W	point
Tapeats Unit 3H BHL Rev-2	6908.00	16504.06	-1971.66	1691870.57	14363093.60	39°33'8.4127"N	80°49'2.8586"W	point
Tapeats Unit 3H LP Rev-2	6908.00	1510.46	3149.98	1696990.18	14348105.98	39°30'40.1190"N	80°47'57.9006"W	point
Tapeats Unit 3H 50' L/R Hard Line	7000.00	8843.82	644.98	1694486.18	14355436.42	39°31'52.6508"N	80°48'29.8620"W	rectangle
2D Rectangle 16189.6 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Tapeats Unit 3H AWB									
Start MD (ft)	End MD (ft)	Positional Uncertainty Model		Ref Wellpath: Tapeats Unit 3H AWP Proj: 24049'		Log Name/Comment		Wellbore	Survey Date
25.50	383.00	Gyrodatta 2015 - GC+WLR+DPIPE		01 Gyrodatta MS Gyro <17-1/2"> (100'-383')				Tapeats Unit 3H AWB	16/Mar/2021
383.00	2752.00	BH NavITrak (2019) (Axial Corr+HRGM)		02 APS EM <12-1/4"> (383' (593'-2752')				Tapeats Unit 3H AWB	16/Mar/2021
2752.00	6721.00	BH NavITrak (2019) (Axial Corr+HRGM)		03 APS EM <8-3/4"> (2752' (2819'-6721')				Tapeats Unit 3H AWB	16/Mar/2021
6721.00	24049.00	BH AutoTrak Curve/Exp/Press (2019) (HRGM, Short spacing)		04 BH AT Curve <8-1/2"> (6721' (6768'-24024')				Tapeats Unit 3H AWB	16/Mar/2021

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Actual Wellpath Report
 Tapeats Unit 3H AWP Proj: 24049'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 3H
Field	Tyler	API	47-095-02715-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 3H AWB
Slot	Slot #05		

COMMENTS

Wellpath general comments
 API: 47-095-02715-0000
 BH Job #: 110784730
 Rig: H&P 317
 Duration: 3/17/2021-3/26/2021
 Gyrodata MS Gyro <17-1/2"> (100'-383')
 APS EM <12-1/4"> (383')(593'-2752')
 APS EM <8-3/4"> (2752')(2819'-6721')
 BH AT Curve <8-1/2"> (6721')(6768'-24024')
 Sycamore: 7460' MD
 Middlesex: 7624' MD
 Burkett: 7825' MD
 Tully: 7916' MD
 Marcellus POE: 8127' MD
 Projected MD at TD: 24049'