



ANTERO RESOURCES CORPORATION

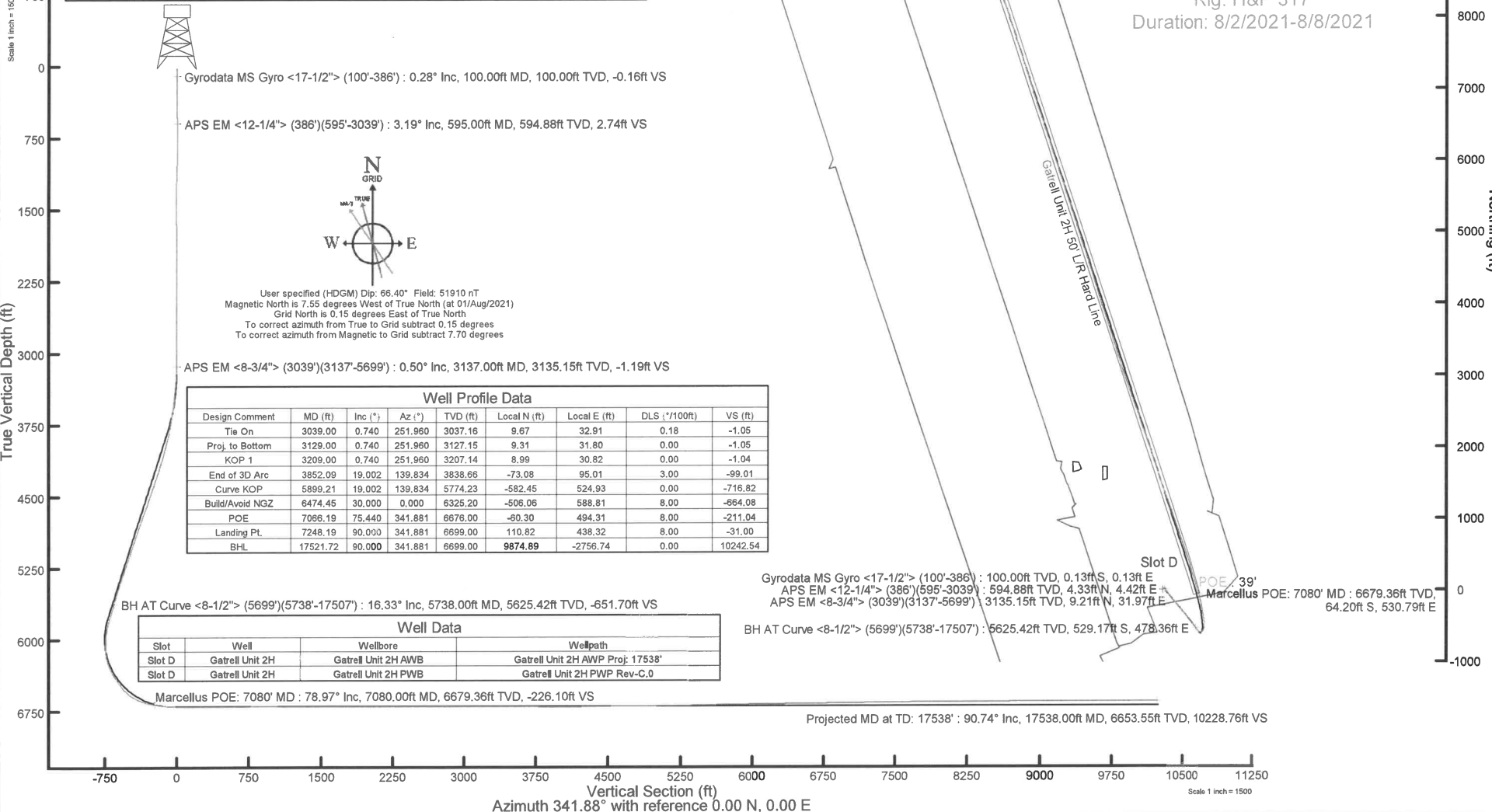
Location: Tyler County, WV
 Field: Tyler
 Facility: Shepherd Pad

Slot: Slot D
 Well: Gatrell Unit 2H
 Wellbore: Gatrell Unit 2H PWB



Plot reference wellpath is Gatrell Unit 2H PWP Rev-C.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 960.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot D): -935 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsaryar on 2021-08-11; Database: WA_MPL_EASTERNUS_Defn

Location Information						
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Shepherd Pad		1707846.620	14305279.260	39°23'36.4150"N	80°45'40.7780"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot D	44.93	1.92	1707848.540	14305324.170	39°23'36.8590"N	80°45'40.7520"W
H&P 317 (RKB) to Ground level (At Slot: Slot D)				25.5ft		
Mean Sea Level to Ground level (At Slot: Slot D)				-935ft		
H&P 317 (RKB) to Mean Sea Level				960.5ft		



Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3039.00	0.740	251.960	3037.16	9.87	32.91	0.18	-1.05
Proj. to Bottom	3129.00	0.740	251.960	3127.15	9.31	31.80	0.00	-1.05
KOP 1	3209.00	0.740	251.960	3207.14	8.99	30.82	0.00	-1.04
End of 3D Arc	3852.09	19.002	139.834	3838.66	-73.08	95.01	3.00	-99.01
Curve KOP	5899.21	19.002	139.834	5774.23	-582.45	524.93	0.00	-716.82
Build/Avoid NGZ	6474.45	30.000	0.000	6325.20	-506.06	588.81	8.00	-664.08
POE	7086.19	75.440	341.881	6676.00	-60.30	494.31	8.00	-211.04
Landing Pt.	7248.19	90.000	341.881	6699.00	110.82	438.32	8.00	-31.00
BHL	17521.72	90.000	341.881	6699.00	9874.89	-2756.74	0.00	10242.54

Well Data			
Slot	Well	Wellbore	Wellpath
Slot D	Gatrell Unit 2H	Gatrell Unit 2H AWP	Gatrell Unit 2H AWP Proj: 17538'
Slot D	Gatrell Unit 2H	Gatrell Unit 2H PWB	Gatrell Unit 2H PWP Rev-C.0

Marcellus POE: 7080' MD : 78.97° Inc, 7080.00ft MD, 6679.36ft TVD, -226.10ft VS



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999605	Report Generated	11/Aug/2021 at 11:45
Convergence at slot	0.15° 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	44.93	1.92	1707848.54	14305324.17	39°23'36.8590"N	80°45'40.7520"W
Facility Reference Pt			1707846.62	14305279.26	39°23'36.4150"N	80°45'40.7780"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	960.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	960.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot D)	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	341.88°



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELLPATH IDENTIFICATION			
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Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

WELLPATH DATA (192 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	135.240	0.00	0.00	0.00	0.00	1707848.54	14305324.17	39°23'36.8590"N	80°45'40.7520"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	135.240	25.50	0.00	0.00	0.00	1707848.54	14305324.17	39°23'36.8590"N	80°45'40.7520"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.280	135.240	100.00	-0.16	-0.13	0.13	1707848.67	14305324.04	39°23'36.8577"N	80°45'40.7504"W	0.18	135.240	0.38	0.38	0.00	Gyrodata MS Gyro <17-1/2"> (100'-386')
200.00	0.260	144.090	200.00	-0.60	-0.49	0.43	1707848.97	14305323.68	39°23'36.8542"N	80°45'40.7465"W	0.65	138.311	0.05	-0.02	8.85	
300.00	0.010	155.520	300.00	-0.82	-0.68	0.57	1707849.11	14305323.49	39°23'36.8523"N	80°45'40.7448"W	0.89	139.956	0.25	-0.25	11.43	
386.00	0.460	337.480	386.00	-0.49	-0.37	0.44	1707848.98	14305323.80	39°23'36.8554"N	80°45'40.7464"W	0.57	129.711	0.55	0.52	-207.02	
595.00	3.190	47.650	594.88	2.74	4.33	4.42	1707852.96	14305328.50	39°23'36.9017"N	80°45'40.6956"W	6.18	45.595	1.47	1.31	33.57	APS EM <12-1/4"> (386')(595'-3039')
685.00	4.240	64.020	684.69	4.22	7.47	9.26	1707857.80	14305331.64	39°23'36.9326"N	80°45'40.6338"W	11.90	51.100	1.65	1.17	18.19	
776.00	5.140	66.470	775.39	5.07	10.57	16.02	1707864.56	14305334.74	39°23'36.9631"N	80°45'40.5476"W	19.20	56.578	1.01	0.99	2.69	
867.00	4.790	81.460	866.05	4.82	12.76	23.52	1707872.05	14305336.93	39°23'36.9845"N	80°45'40.4520"W	26.76	61.507	1.47	-0.38	16.47	
957.00	4.530	85.520	955.75	3.35	13.60	30.78	1707879.30	14305337.76	39°23'36.9926"N	80°45'40.3596"W	33.65	66.159	0.47	-0.29	4.51	
1048.00	3.620	96.950	1046.52	1.29	13.53	37.21	1707885.74	14305337.70	39°23'36.9918"N	80°45'40.2776"W	39.60	70.014	1.34	-1.00	12.56	
1142.00	3.280	104.650	1140.35	-1.42	12.49	42.76	1707891.28	14305336.66	39°23'36.9814"N	80°45'40.2070"W	44.55	73.711	0.61	-0.36	8.19	
1237.00	1.880	100.070	1235.26	-3.63	11.53	46.92	1707895.44	14305335.70	39°23'36.9718"N	80°45'40.1540"W	48.32	76.189	1.49	-1.47	-4.82	
1332.00	0.060	228.640	1330.24	-4.39	11.23	48.42	1707896.94	14305335.39	39°23'36.9687"N	80°45'40.1349"W	49.70	76.943	2.02	-1.92	135.34	
1427.00	0.400	286.920	1425.24	-4.22	11.29	48.06	1707896.59	14305335.46	39°23'36.9694"N	80°45'40.1394"W	49.37	76.778	0.39	0.36	61.35	
1522.00	0.360	278.340	1520.24	-3.89	11.43	47.45	1707895.97	14305335.60	39°23'36.9708"N	80°45'40.1472"W	48.81	76.454	0.07	-0.04	-9.03	
1617.00	0.400	295.670	1615.23	-3.53	11.62	46.86	1707895.38	14305335.78	39°23'36.9726"N	80°45'40.1548"W	48.28	76.073	0.13	0.04	18.24	
1712.00	0.310	275.390	1710.23	-3.20	11.79	46.30	1707894.82	14305335.95	39°23'36.9743"N	80°45'40.1618"W	47.78	75.718	0.16	-0.09	-21.35	
1806.00	0.440	259.290	1804.23	-3.05	11.74	45.70	1707894.22	14305335.91	39°23'36.9739"N	80°45'40.1696"W	47.18	75.587	0.18	0.14	-17.13	
1901.00	0.580	270.330	1899.23	-2.85	11.68	44.86	1707893.38	14305335.84	39°23'36.9733"N	80°45'40.1803"W	46.35	75.406	0.18	0.15	11.62	
1996.00	0.580	271.040	1894.22	-2.54	11.69	43.89	1707892.42	14305335.86	39°23'36.9734"N	80°45'40.1925"W	45.42	75.087	0.01	0.00	0.75	
2091.00	0.480	270.210	2089.22	-2.26	11.70	43.02	1707891.54	14305335.87	39°23'36.9735"N	80°45'40.2037"W	44.58	74.783	0.11	-0.11	-0.87	
2186.00	0.470	265.060	2184.21	-2.04	11.67	42.23	1707890.75	14305335.83	39°23'36.9732"N	80°45'40.2137"W	43.81	74.554	0.05	-0.01	-5.42	
2281.00	0.600	262.960	2279.21	-1.86	11.57	41.35	1707889.87	14305335.74	39°23'36.9723"N	80°45'40.2250"W	42.94	74.362	0.14	0.14	-2.21	
2376.00	0.530	276.290	2374.21	-1.58	11.56	40.42	1707888.94	14305335.73	39°23'36.9722"N	80°45'40.2368"W	42.04	74.037	0.16	-0.07	14.03	
2470.00	0.600	253.230	2468.20	-1.39	11.47	39.51	1707888.04	14305335.63	39°23'36.9713"N	80°45'40.2483"W	41.14	73.817	0.25	0.07	-24.53	
2565.00	0.600	255.710	2563.20	-1.35	11.20	38.56	1707887.08	14305335.37	39°23'36.9687"N	80°45'40.2605"W	40.15	73.801	0.03	0.00	2.61	
2660.00	0.610	256.150	2658.19	-1.28	10.96	37.58	1707886.11	14305335.12	39°23'36.9663"N	80°45'40.2729"W	39.15	73.747	0.01	0.01	0.46	
2755.00	0.690	252.450	2753.18	-1.23	10.66	36.55	1707885.07	14305334.83	39°23'36.9634"N	80°45'40.2862"W	38.07	73.734	0.10	0.08	-3.89	



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

WELLPATH DATA (192 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]	
2850.00	0.730	248.960	2848.18	-1.26	10.27	35.44	1707883.96	14305334.44	39°23'36.9596"N	80°45'40.3003"W	36.90	73.832	0.06	0.04	-3.67	
2945.00	0.850	261.700	2943.17	-1.17	9.95	34.17	1707882.70	14305334.12	39°23'36.9565"N	80°45'40.3164"W	35.59	73.760	0.22	0.13	13.41	
3039.00	0.740	251.960	3037.16	-1.05	9.67	32.91	1707881.43	14305333.83	39°23'36.9537"N	80°45'40.3325"W	34.30	73.631	0.18	-0.12	-10.36	
3137.00	0.500	232.400	3135.15	-1.19	9.21	31.97	1707880.49	14305333.38	39°23'36.9492"N	80°45'40.3445"W	33.27	73.929	0.32	-0.24	-19.96	APS EM <8-3/4"> (3039')(3137'-5699')
3232.00	3.070	155.440	3230.10	-3.86	6.64	32.70	1707881.22	14305330.81	39°23'36.9238"N	80°45'40.3353"W	33.36	78.517	3.15	2.71	-81.01	
3326.00	5.600	139.900	3323.83	-10.61	0.84	36.70	1707885.22	14305325.01	39°23'36.8664"N	80°45'40.2846"W	36.71	88.684	2.94	2.69	-16.53	
3421.00	5.630	138.120	3418.38	-19.18	-6.17	42.79	1707891.32	14305318.00	39°23'36.7969"N	80°45'40.2072"W	43.24	98.207	0.19	0.03	-1.87	
3516.00	7.460	136.350	3512.75	-29.01	-14.10	50.16	1707898.68	14305310.07	39°23'36.7183"N	80°45'40.1136"W	52.11	105.705	1.94	1.93	-1.86	
3611.00	9.970	137.680	3606.65	-42.07	-24.65	59.96	1707908.47	14305299.53	39°23'36.6138"N	80°45'39.9892"W	64.83	112.349	2.65	2.64	1.40	
3706.00	7.930	140.080	3700.49	-55.66	-35.76	69.70	1707918.21	14305288.43	39°23'36.5038"N	80°45'39.8654"W	78.34	117.159	2.18	-2.15	2.53	
3801.00	9.930	147.250	3794.33	-69.67	-47.67	78.34	1707926.85	14305276.52	39°23'36.3858"N	80°45'39.7558"W	91.70	121.323	2.41	2.11	7.55	
3896.00	13.010	147.870	3887.42	-87.98	-63.62	88.46	1707936.96	14305260.57	39°23'36.2279"N	80°45'39.6274"W	108.96	125.725	3.24	3.24	0.65	
3990.00	15.590	144.390	3978.51	-110.30	-82.86	101.44	1707949.94	14305241.35	39°23'36.0374"N	80°45'39.4627"W	130.98	129.241	2.89	2.74	-3.70	
4085.00	17.100	141.450	4069.67	-135.56	-104.16	117.58	1707966.07	14305220.05	39°23'35.8265"N	80°45'39.2579"W	157.08	131.536	1.81	1.59	-3.09	
4180.00	18.270	138.960	4160.18	-162.37	-126.31	136.06	1707984.55	14305197.91	39°23'35.6070"N	80°45'39.0232"W	185.66	132.872	1.47	1.23	-2.62	
4275.00	19.850	137.040	4249.97	-190.72	-149.35	156.83	1708005.31	14305174.88	39°23'35.3788"N	80°45'38.7594"W	216.57	133.600	1.79	1.66	-2.02	
4370.00	20.020	139.890	4339.28	-220.44	-173.59	178.30	1708026.77	14305150.65	39°23'35.1386"N	80°45'38.4868"W	248.85	134.233	1.04	0.18	3.00	
4464.00	19.710	140.250	4427.68	-250.09	-198.09	198.81	1708047.27	14305126.16	39°23'34.8960"N	80°45'38.2265"W	280.64	134.896	0.35	-0.33	0.38	
4559.00	19.780	140.350	4517.10	-279.94	-222.78	219.31	1708067.76	14305101.48	39°23'34.6514"N	80°45'37.9662"W	312.61	135.450	0.08	0.07	0.11	
4656.00	20.770	142.620	4608.09	-311.44	-249.08	240.22	1708088.67	14305075.18	39°23'34.3909"N	80°45'37.7007"W	346.05	136.038	1.30	1.02	2.34	
4751.00	21.380	139.930	4696.73	-343.41	-275.72	261.59	1708110.03	14305048.56	39°23'34.1271"N	80°45'37.4293"W	380.07	136.506	1.20	0.64	-2.83	
4846.00	20.980	135.260	4785.32	-374.67	-301.05	284.71	1708133.14	14305023.23	39°23'33.8761"N	80°45'37.1357"W	414.36	136.598	1.82	-0.42	-4.92	
4941.00	20.260	137.210	4874.24	-404.83	-325.21	307.86	1708156.28	14304999.09	39°23'33.6368"N	80°45'36.8417"W	447.81	136.570	1.05	-0.76	2.05	
5035.00	19.860	138.790	4962.54	-434.30	-349.16	329.44	1708177.84	14304975.15	39°23'33.3994"N	80°45'36.5677"W	480.04	136.665	0.72	-0.43	1.68	
5130.00	19.850	138.200	5051.89	-463.92	-373.33	350.82	1708199.22	14304950.99	39°23'33.1600"N	80°45'36.2962"W	512.29	136.780	0.21	-0.01	-0.62	
5225.00	20.170	137.520	5141.15	-493.61	-397.43	372.63	1708221.02	14304926.90	39°23'32.9212"N	80°45'36.0192"W	544.80	136.845	0.42	0.34	-0.72	
5320.00	20.860	141.660	5230.13	-524.40	-422.78	394.18	1708242.57	14304901.56	39°23'32.6702"N	80°45'35.7455"W	578.03	137.004	1.69	0.73	4.36	
5414.00	19.340	138.760	5318.41	-554.43	-447.61	414.83	1708263.20	14304876.74	39°23'32.4242"N	80°45'35.4834"W	610.28	137.177	1.93	-1.62	-3.09	
5509.00	19.510	142.350	5408.00	-583.84	-472.00	434.89	1708283.26	14304852.36	39°23'32.1826"N	80°45'35.2287"W	641.80	137.343	1.27	0.18	3.78	
5604.00	18.650	143.780	5497.78	-613.23	-496.81	453.55	1708301.91	14304827.55	39°23'31.9368"N	80°45'34.9918"W	672.71	137.606	1.03	-0.91	1.51	



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Slot	Slot D		

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[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
5699.00	17.460	142.100	5588.10	-641.09	-520.32	471.29	1708319.64	14304804.06	39°23'31.7041"N	80°45'34.7668"W	702.02	137.831	1.37	-1.25	-1.77	
5738.00	16.330	140.530	5625.42	-651.70	-529.17	478.36	1708326.71	14304795.21	39°23'31.6164"N	80°45'34.6769"W	713.34	137.886	3.12	-2.90	-4.03	BH AT Curve <8-1/2"> (5699')(5738'-17507')
5803.00	17.480	138.550	5687.61	-669.17	-543.54	490.64	1708338.98	14304780.85	39°23'31.4741"N	80°45'34.5211"W	732.23	137.928	1.98	1.77	-3.05	
5898.00	20.410	138.480	5777.46	-697.48	-566.64	511.07	1708359.40	14304757.76	39°23'31.2452"N	80°45'34.2616"W	763.06	137.952	3.08	3.08	-0.07	
5992.00	15.160	121.380	5866.99	-721.91	-585.34	532.45	1708380.78	14304739.07	39°23'31.0599"N	80°45'33.9899"W	791.28	137.709	7.82	-5.59	-18.19	
6086.00	10.480	104.520	5958.66	-735.88	-593.89	551.24	1708399.56	14304730.52	39°23'30.9748"N	80°45'33.7509"W	810.29	137.133	6.32	-4.98	-17.94	
6180.00	11.340	78.190	6051.01	-741.51	-594.14	568.57	1708416.89	14304730.27	39°23'30.9719"N	80°45'33.5301"W	822.36	136.260	5.33	0.91	-28.01	
6274.00	15.400	50.280	6142.54	-737.92	-584.26	587.25	1708435.55	14304740.14	39°23'31.0691"N	80°45'33.2919"W	828.38	134.854	7.99	4.32	-29.69	
6369.00	21.590	25.950	6232.72	-720.68	-560.42	604.64	1708452.94	14304763.97	39°23'31.3042"N	80°45'33.0696"W	824.42	132.827	10.29	6.52	-25.61	
6431.00†	26.372	12.946	6289.39	-700.66	-536.72	612.73	1708461.02	14304787.67	39°23'31.5383"N	80°45'32.9658"W	814.55	131.217	11.45	7.71	-20.97	Sycamore: 6431' MD
6463.00	29.190	7.910	6317.70	-687.56	-522.06	615.39	1708463.69	14304802.32	39°23'31.6831"N	80°45'32.9313"W	807.00	130.309	11.45	8.81	-15.74	
6557.00	36.190	356.650	6396.84	-640.02	-471.54	616.93	1708465.22	14304852.82	39°23'32.1824"N	80°45'32.9100"W	776.50	127.392	9.84	7.45	-11.98	
6637.00†	35.225	352.649	6461.81	-594.51	-425.07	612.60	1708460.89	14304899.27	39°23'32.6417"N	80°45'32.9636"W	745.63	124.756	3.16	-1.21	-5.00	Middlesex: 6637' MD
6651.00	35.070	351.930	6473.25	-586.59	-417.08	611.51	1708459.81	14304907.25	39°23'32.7207"N	80°45'32.9771"W	740.21	124.296	3.16	-1.11	-5.14	
6746.00	46.300	348.040	6545.19	-525.36	-356.26	600.53	1708448.83	14304968.05	39°23'33.3221"N	80°45'33.1150"W	698.25	120.678	12.11	11.82	-4.09	
6825.00†	57.074	348.031	6594.09	-463.82	-295.71	587.70	1708436.01	14305028.58	39°23'33.9209"N	80°45'33.2764"W	657.90	116.710	13.64	13.64	-0.01	Burkett: 6825' MD
6840.00	59.120	348.030	6602.02	-451.16	-283.25	585.06	1708433.37	14305041.03	39°23'34.0441"N	80°45'33.3096"W	650.02	115.834	13.64	13.64	-0.01	
6885.00†	64.534	348.408	6623.26	-411.75	-244.44	576.96	1708425.28	14305079.83	39°23'34.4280"N	80°45'33.4113"W	626.61	112.960	12.05	12.03	0.84	Tully: 6885' MD
6935.00	70.550	348.790	6642.35	-365.88	-199.16	567.84	1708416.15	14305125.09	39°23'34.8757"N	80°45'33.5260"W	601.75	109.327	12.05	12.03	0.76	
7030.00	76.960	343.070	6668.93	-274.99	-110.80	545.62	1708393.94	14305213.42	39°23'35.7496"N	80°45'33.8061"W	556.75	101.479	8.88	6.75	-6.02	
7080.00†	78.973	341.630	6679.36	-226.10	-64.20	530.79	1708379.12	14305260.00	39°23'36.2106"N	80°45'33.9934"W	534.66	96.897	4.91	4.03	-2.88	Marcellus POE: 7080' MD
7125.00	80.790	340.350	6687.26	-181.80	-22.32	516.36	1708364.69	14305301.86	39°23'36.6249"N	80°45'34.1758"W	516.84	92.475	4.91	4.04	-2.84	
7219.00	86.800	341.600	6697.42	-88.41	65.98	485.91	1708334.26	14305390.13	39°23'37.4984"N	80°45'34.5605"W	490.37	82.267	6.53	6.39	1.33	
7314.00	88.770	341.190	6701.09	6.51	155.95	455.63	1708303.99	14305480.06	39°23'38.3884"N	80°45'34.9432"W	481.58	71.105	2.12	2.07	-0.43	
7408.00	89.850	341.150	6702.22	100.49	244.91	425.29	1708273.66	14305568.98	39°23'39.2684"N	80°45'35.3266"W	490.77	60.064	1.15	1.15	-0.04	
7503.00	89.110	341.780	6703.09	195.49	334.98	395.09	1708243.48	14305659.01	39°23'40.1594"N	80°45'35.7082"W	517.99	49.707	1.02	-0.78	0.66	
7598.00	91.050	340.600	6702.95	290.47	424.90	364.47	1708212.86	14305748.90	39°23'41.0489"N	80°45'36.0953"W	559.80	40.622	2.39	2.04	-1.24	
7692.00	89.910	340.710	6702.16	384.45	513.59	333.33	1708181.74	14305837.55	39°23'41.9263"N	80°45'36.4889"W	612.27	32.985	1.22	-1.21	0.12	
7786.00	89.940	340.810	6702.29	478.43	602.34	302.35	1708150.77	14305926.27	39°23'42.8043"N	80°45'36.8805"W	673.96	26.655	0.11	0.03	0.11	
7881.00	90.370	340.890	6702.03	573.41	692.08	271.19	1708119.62	14306015.97	39°23'43.6921"N	80°45'37.2744"W	743.31	21.398	0.46	0.45	0.08	



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

WELLPATH DATA (192 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
7975.00	89.910	341.230	6701.80	667.40	780.99	240.68	1708089.12	14306104.85	39°23'44.5716"N	80°45'37.6600"W	817.23	17.128	0.61	-0.49	0.36	
8070.00	91.630	339.390	6700.52	762.35	870.42	208.68	1708057.13	14306194.24	39°23'45.4563"N	80°45'38.0646"W	895.08	13.482	2.65	1.81	-1.94	
8164.00	89.600	340.500	6699.52	856.29	958.71	176.45	1708024.92	14306282.50	39°23'46.3298"N	80°45'38.4722"W	974.81	10.428	2.46	-2.16	1.18	
8259.00	89.720	340.690	6700.08	951.26	1048.31	144.88	1707993.37	14306372.06	39°23'47.2162"N	80°45'38.8712"W	1058.27	7.869	0.24	0.13	0.20	
8353.00	89.850	340.080	6700.43	1045.23	1136.85	113.33	1707961.82	14306460.57	39°23'48.0921"N	80°45'39.2702"W	1142.49	5.693	0.66	0.14	-0.65	
8448.00	89.630	340.360	6700.86	1140.19	1226.25	81.18	1707929.69	14306549.93	39°23'48.9765"N	80°45'39.6766"W	1228.93	3.788	0.37	-0.23	0.29	
8542.00	89.450	339.780	6701.62	1234.14	1314.61	49.14	1707897.66	14306638.26	39°23'49.8507"N	80°45'40.0818"W	1315.53	2.141	0.65	-0.19	-0.62	
8636.00	90.980	341.230	6701.27	1328.10	1403.22	17.77	1707866.30	14306726.83	39°23'50.7273"N	80°45'40.4784"W	1403.33	0.726	2.24	1.63	1.54	
8731.00	89.600	339.880	6700.78	1423.07	1492.80	-13.85	1707834.69	14306816.37	39°23'51.6134"N	80°45'40.8782"W	1492.86	359.468	2.03	-1.45	-1.42	
8825.00	89.780	341.170	6701.29	1517.04	1581.41	-45.19	1707803.37	14306904.96	39°23'52.4901"N	80°45'41.2744"W	1582.06	358.363	1.39	0.19	1.37	
8919.00	89.600	341.880	6701.80	1611.04	1670.57	-74.98	1707773.59	14306994.07	39°23'53.3720"N	80°45'41.6508"W	1672.25	357.430	0.78	-0.19	0.76	
9013.00	89.630	341.930	6702.43	1705.04	1759.92	-104.17	1707744.41	14307083.39	39°23'54.2559"N	80°45'42.0197"W	1763.00	356.613	0.06	0.03	0.05	
9108.00	90.400	342.180	6702.41	1800.03	1850.29	-133.44	1707715.15	14307173.73	39°23'55.1499"N	80°45'42.3895"W	1855.10	355.875	0.85	0.81	0.26	
9202.00	90.310	342.220	6701.83	1894.03	1939.79	-162.18	1707686.43	14307263.19	39°23'56.0352"N	80°45'42.7525"W	1946.56	355.221	0.10	-0.10	0.04	
9296.00	89.970	340.750	6701.60	1988.03	2028.92	-192.03	1707656.59	14307352.29	39°23'56.9169"N	80°45'43.1298"W	2037.99	354.593	1.61	-0.36	-1.56	
9391.00	89.420	340.120	6702.10	2082.99	2118.44	-223.84	1707624.79	14307441.77	39°23'57.8024"N	80°45'43.5320"W	2130.23	353.968	0.88	-0.58	-0.66	
9485.00	89.230	340.870	6703.21	2176.96	2207.04	-255.22	1707593.42	14307530.33	39°23'58.6789"N	80°45'43.9288"W	2221.74	353.404	0.82	-0.20	0.80	
9579.00	89.880	342.440	6703.94	2270.95	2296.25	-284.80	1707563.85	14307619.51	39°23'59.5615"N	80°45'44.3026"W	2313.85	352.930	1.81	0.69	1.67	
9674.00	90.180	341.630	6703.89	2365.95	2386.62	-314.11	1707534.56	14307709.84	39°24'0.4554"N	80°45'44.6729"W	2407.20	352.502	0.91	0.32	-0.85	
9768.00	90.030	340.440	6703.72	2459.94	2475.52	-344.65	1707504.02	14307798.70	39°24'1.3348"N	80°45'45.0590"W	2499.39	352.074	1.28	-0.16	-1.27	
9862.00	90.650	339.100	6703.16	2553.87	2563.71	-377.16	1707471.53	14307886.87	39°24'2.2073"N	80°45'45.4701"W	2591.31	351.631	1.57	0.66	-1.43	
9957.00	89.910	339.240	6702.70	2648.76	2652.50	-410.94	1707437.76	14307975.62	39°24'3.0857"N	80°45'45.8975"W	2684.15	351.193	0.79	-0.78	0.15	
10051.00	89.780	340.030	6702.95	2742.69	2740.63	-443.65	1707405.07	14308063.71	39°24'3.9575"N	80°45'46.3112"W	2776.30	350.805	0.85	-0.14	0.84	
10145.00	89.750	340.020	6703.34	2836.64	2828.97	-475.76	1707372.97	14308152.02	39°24'4.8315"N	80°45'46.7173"W	2868.70	350.454	0.03	-0.03	-0.01	
10239.00	89.450	340.860	6703.99	2930.61	2917.54	-507.23	1707341.51	14308240.56	39°24'5.7078"N	80°45'47.1152"W	2961.31	350.137	0.95	-0.32	0.89	
10334.00	89.690	341.670	6704.70	3025.60	3007.51	-537.74	1707311.01	14308330.48	39°24'6.5977"N	80°45'47.5009"W	3055.20	349.863	0.89	0.25	0.85	
10428.00	90.090	342.340	6704.88	3119.60	3096.91	-566.78	1707281.98	14308419.85	39°24'7.4820"N	80°45'47.8679"W	3148.34	349.629	0.83	0.43	0.71	
10522.00	90.950	342.190	6704.03	3213.59	3186.44	-595.41	1707253.36	14308509.34	39°24'8.3676"N	80°45'48.2296"W	3241.59	349.416	0.93	0.91	-0.16	
10617.00	89.910	342.240	6703.32	3308.58	3276.89	-624.43	1707224.36	14308599.76	39°24'9.2624"N	80°45'48.5962"W	3335.86	349.211	1.10	-1.09	0.05	
10711.00	89.940	343.110	6703.44	3402.57	3366.63	-652.42	1707196.38	14308689.46	39°24'10.1500"N	80°45'48.9498"W	3429.26	349.033	0.93	0.03	0.93	



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

WELLPATH DATA (192 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]	
10806.00	90.090	343.230	6703.42	3497.55	3457.56	-679.93	1707168.88	14308780.35	39°24'11.0494"N	80°45'49.2972"W	3523.78	348.875	0.20	0.16	0.13	
10901.00	89.690	341.980	6703.60	3592.54	3548.21	-708.33	1707140.49	14308870.97	39°24'11.9462"N	80°45'49.6559"W	3618.22	348.710	1.38	-0.42	-1.32	
10995.00	89.420	342.320	6704.33	3686.54	3637.68	-737.14	1707111.69	14308960.41	39°24'12.8312"N	80°45'50.0200"W	3711.62	348.545	0.46	-0.29	0.36	
11090.00	89.170	341.430	6705.50	3781.53	3727.96	-766.69	1707082.15	14309050.65	39°24'13.7242"N	80°45'50.3935"W	3805.98	348.379	0.97	-0.26	-0.94	
11184.00	89.660	342.340	6706.46	3875.52	3817.29	-795.92	1707052.94	14309139.95	39°24'14.6079"N	80°45'50.7628"W	3899.39	348.222	1.10	0.52	0.97	
11279.00	89.850	342.070	6706.86	3970.52	3907.75	-824.95	1707023.92	14309230.37	39°24'15.5027"N	80°45'51.1296"W	3993.88	348.080	0.35	0.20	-0.28	
11373.00	90.400	342.270	6706.66	4064.52	3997.23	-853.73	1706995.15	14309319.82	39°24'16.3878"N	80°45'51.4933"W	4087.39	347.944	0.62	0.59	0.21	
11468.00	90.150	341.380	6706.20	4159.51	4087.49	-883.36	1706965.53	14309410.04	39°24'17.2807"N	80°45'51.8678"W	4181.86	347.805	0.97	-0.26	-0.94	
11562.00	91.450	344.460	6704.89	4253.48	4177.32	-910.97	1706937.94	14309499.84	39°24'18.1692"N	80°45'52.2165"W	4275.50	347.698	3.56	1.38	3.28	
11656.00	90.090	342.330	6703.63	4347.43	4267.39	-937.82	1706911.09	14309589.87	39°24'19.0601"N	80°45'52.5556"W	4369.22	347.605	2.69	-1.45	-2.27	
11751.00	91.780	343.950	6702.08	4442.39	4358.29	-965.37	1706883.55	14309680.73	39°24'19.9592"N	80°45'52.9035"W	4463.92	347.510	2.46	1.78	1.71	
11845.00	90.250	341.910	6700.41	4536.35	4448.12	-992.96	1706855.98	14309770.53	39°24'20.8478"N	80°45'53.2520"W	4557.61	347.416	2.71	-1.63	-2.17	
11939.00	90.340	341.930	6699.93	4630.35	4537.48	-1022.13	1706826.81	14309859.85	39°24'21.7317"N	80°45'53.6207"W	4651.18	347.305	0.10	0.10	0.02	
12033.00	90.650	342.920	6699.12	4724.34	4627.09	-1050.51	1706798.44	14309949.42	39°24'22.6181"N	80°45'53.9793"W	4744.84	347.209	1.10	0.33	1.05	
12127.00	91.170	341.360	6697.62	4818.32	4716.54	-1079.34	1706769.63	14310038.84	39°24'23.5030"N	80°45'54.3435"W	4838.47	347.110	1.75	0.55	-1.66	
12222.00	90.280	340.580	6696.42	4913.30	4806.34	-1110.31	1706738.67	14310128.61	39°24'24.3913"N	80°45'54.7351"W	4932.92	346.992	1.25	-0.94	-0.82	
12316.00	90.980	341.840	6695.39	5007.29	4895.33	-1140.59	1706708.41	14310217.55	39°24'25.2715"N	80°45'55.1179"W	5026.45	346.884	1.53	0.74	1.34	
12410.00	90.680	342.400	6694.03	5101.27	4984.78	-1169.44	1706679.56	14310306.97	39°24'26.1563"N	80°45'55.4825"W	5120.12	346.797	0.68	-0.32	0.60	
12505.00	90.830	342.960	6692.77	5196.26	5075.46	-1197.72	1706651.29	14310397.62	39°24'27.0533"N	80°45'55.8398"W	5214.87	346.722	0.61	0.16	0.59	
12599.00	90.650	341.790	6691.56	5290.24	5165.04	-1226.18	1706622.85	14310487.16	39°24'27.9394"N	80°45'56.1994"W	5308.59	346.645	1.26	-0.19	-1.24	
12693.00	91.230	342.420	6690.02	5384.23	5254.48	-1255.06	1706593.98	14310576.56	39°24'28.8241"N	80°45'56.5644"W	5402.29	346.566	0.91	0.62	0.67	
12788.00	90.490	341.870	6688.59	5479.22	5344.89	-1284.18	1706564.86	14310666.94	39°24'29.7185"N	80°45'56.9324"W	5497.00	346.490	0.97	-0.78	-0.58	
12882.00	91.780	342.690	6686.73	5573.19	5434.41	-1312.79	1706536.27	14310756.43	39°24'30.6040"N	80°45'57.2939"W	5590.73	346.419	1.63	1.37	0.87	
12976.00	90.310	341.430	6685.02	5667.17	5523.82	-1341.74	1706507.34	14310845.80	39°24'31.4884"N	80°45'57.6597"W	5684.44	346.347	2.06	-1.56	-1.34	
13071.00	91.290	343.180	6683.69	5762.16	5614.31	-1370.61	1706478.48	14310936.26	39°24'32.3835"N	80°45'58.0246"W	5779.19	346.281	2.11	1.03	1.84	
13165.00	90.770	341.170	6682.00	5856.13	5703.78	-1399.38	1706449.72	14311025.69	39°24'33.2685"N	80°45'58.3881"W	5872.94	346.215	2.21	-0.55	-2.14	
13259.00	90.710	341.750	6680.78	5950.12	5792.90	-1429.26	1706419.84	14311114.77	39°24'34.1500"N	80°45'58.7659"W	5966.61	346.140	0.62	-0.06	0.62	
13354.00	90.860	342.130	6679.48	6045.11	5883.21	-1458.71	1706390.41	14311205.04	39°24'35.0434"N	80°45'59.1381"W	6061.35	346.075	0.43	0.16	0.40	
13448.00	90.520	341.500	6678.35	6139.11	5972.51	-1488.04	1706361.09	14311294.31	39°24'35.9267"N	80°45'59.5089"W	6155.09	346.010	0.76	-0.36	-0.67	
13542.00	90.920	341.900	6677.17	6233.10	6061.74	-1517.56	1706331.58	14311383.51	39°24'36.8094"N	80°45'59.8820"W	6248.82	345.945	0.60	0.43	0.43	



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

WELLPATH DATA (192 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
13636.00	90.860	341.960	6675.71	6327.09	6151.10	-1546.71	1706302.44	14311472.83	39°24'37.6933"N	80°46'0.2505"W	6342.58	345.885	0.09	-0.06	0.06	
13731.00	90.680	342.000	6674.43	6422.08	6241.43	-1576.10	1706273.07	14311563.12	39°24'38.5869"N	80°46'0.6219"W	6437.35	345.828	0.19	-0.19	0.04	
13826.00	90.490	341.250	6673.46	6517.07	6331.58	-1606.04	1706243.14	14311653.24	39°24'39.4786"N	80°46'1.0004"W	6532.10	345.767	0.81	-0.20	-0.79	
13920.00	90.490	341.060	6672.66	6611.06	6420.54	-1636.40	1706212.79	14311742.16	39°24'40.3586"N	80°46'1.3843"W	6625.79	345.701	0.20	0.00	-0.20	
14015.00	90.860	342.640	6671.54	6706.05	6510.80	-1665.99	1706183.21	14311832.39	39°24'41.2515"N	80°46'1.7584"W	6720.57	345.647	1.71	0.39	1.66	
14109.00	90.620	340.160	6670.33	6800.03	6599.88	-1695.97	1706153.24	14311921.43	39°24'42.1326"N	80°46'2.1374"W	6814.30	345.589	2.65	-0.26	-2.64	
14204.00	91.450	342.850	6668.61	6895.00	6689.95	-1726.10	1706123.13	14312011.46	39°24'43.0236"N	80°46'2.5182"W	6909.04	345.532	2.96	0.87	2.83	
14298.00	91.020	342.120	6666.58	6988.98	6779.57	-1754.38	1706094.85	14312101.05	39°24'43.9101"N	80°46'2.8757"W	7002.88	345.492	0.90	-0.46	-0.78	
14392.00	89.630	341.670	6666.05	7082.97	6868.91	-1783.59	1706065.66	14312190.35	39°24'44.7938"N	80°46'3.2449"W	7096.70	345.444	1.55	-1.48	-0.48	
14487.00	91.080	345.070	6665.46	7177.92	6959.92	-1810.78	1706038.48	14312281.33	39°24'45.6940"N	80°46'3.5882"W	7191.62	345.417	3.89	1.53	3.58	
14582.00	90.280	341.820	6664.33	7272.87	7050.96	-1837.84	1706011.43	14312372.33	39°24'46.5945"N	80°46'3.9300"W	7286.54	345.391	3.52	-0.84	-3.42	
14676.00	90.830	342.710	6663.42	7366.86	7140.49	-1866.47	1705982.81	14312461.82	39°24'47.4801"N	80°46'4.2919"W	7380.40	345.351	1.11	0.59	0.95	
14770.00	90.370	342.170	6662.44	7460.85	7230.10	-1894.83	1705954.46	14312551.40	39°24'48.3665"N	80°46'4.6503"W	7474.27	345.314	0.75	-0.49	-0.57	
14865.00	90.580	342.600	6661.65	7555.84	7320.64	-1923.58	1705925.73	14312641.91	39°24'49.2621"N	80°46'5.0136"W	7569.15	345.278	0.50	0.22	0.45	
14959.00	90.580	342.060	6660.70	7649.83	7410.20	-1952.11	1705897.21	14312731.43	39°24'50.1480"N	80°46'5.3742"W	7663.02	345.242	0.57	0.00	-0.57	
15053.00	90.550	342.280	6659.77	7743.83	7499.69	-1980.89	1705868.44	14312820.88	39°24'51.0331"N	80°46'5.7379"W	7756.88	345.204	0.24	-0.03	0.23	
15148.00	90.180	342.080	6659.17	7838.82	7590.13	-2009.96	1705839.38	14312911.28	39°24'51.9277"N	80°46'6.1054"W	7851.75	345.168	0.44	-0.39	-0.21	
15242.00	89.940	341.870	6659.07	7932.82	7679.51	-2039.05	1705810.30	14313000.63	39°24'52.8119"N	80°46'6.4731"W	7945.60	345.130	0.34	-0.26	-0.22	
15337.00	90.220	342.140	6658.94	8027.82	7769.86	-2068.40	1705780.96	14313090.95	39°24'53.7056"N	80°46'6.8440"W	8040.46	345.093	0.41	0.29	0.28	
15431.00	90.150	341.890	6658.63	8121.82	7859.27	-2097.42	1705751.95	14313180.32	39°24'54.5900"N	80°46'7.2109"W	8134.33	345.058	0.28	-0.07	-0.27	
15525.00	90.490	342.300	6658.11	8215.82	7948.72	-2126.32	1705723.06	14313269.73	39°24'55.4748"N	80°46'7.5762"W	8228.20	345.024	0.57	0.36	0.44	
15619.00	90.460	342.340	6657.33	8309.81	8038.27	-2154.87	1705694.53	14313359.25	39°24'56.3607"N	80°46'7.9370"W	8322.10	344.993	0.05	-0.03	0.04	
15714.00	90.220	341.790	6656.77	8404.81	8128.66	-2184.12	1705665.29	14313449.60	39°24'57.2547"N	80°46'8.3068"W	8416.97	344.960	0.63	-0.25	-0.58	
15808.00	90.460	342.840	6656.21	8498.81	8218.21	-2212.67	1705636.74	14313539.12	39°24'58.1405"N	80°46'8.6677"W	8510.87	344.931	1.15	0.26	1.12	
15902.00	90.090	342.090	6655.76	8592.80	8307.84	-2240.99	1705608.43	14313628.71	39°24'59.0271"N	80°46'9.0256"W	8604.78	344.904	0.89	-0.39	-0.80	
15997.00	90.280	342.010	6655.45	8687.80	8398.22	-2270.27	1705579.17	14313719.05	39°24'59.9211"N	80°46'9.3957"W	8699.66	344.873	0.22	0.20	-0.08	
16091.00	90.150	341.610	6655.10	8781.80	8487.52	-2299.62	1705549.84	14313808.32	39°25'0.8044"N	80°46'9.7667"W	8793.53	344.840	0.45	-0.14	-0.43	
16185.00	90.120	341.890	6654.88	8875.80	8576.79	-2329.05	1705520.41	14313897.56	39°25'1.6875"N	80°46'10.1389"W	8887.40	344.808	0.30	-0.03	0.30	
16279.00	90.220	342.180	6654.60	8969.80	8666.21	-2358.05	1705491.43	14313986.94	39°25'2.5719"N	80°46'10.5054"W	8981.29	344.779	0.33	0.11	0.31	
16373.00	90.310	342.310	6654.16	9063.79	8755.73	-2386.71	1705462.78	14314076.42	39°25'3.4574"N	80°46'10.8677"W	9075.19	344.752	0.17	0.10	0.14	



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

WELLPATH DATA (192 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
16468.00	90.060	342.200	6653.85	9158.79	8846.21	-2415.66	1705433.83	14314166.87	39°25'4.3524"N	80°46'11.2337"W	9170.10	344.726	0.29	-0.26	-0.12	
16562.00	89.910	341.460	6653.88	9252.79	8935.52	-2444.98	1705404.53	14314256.14	39°25'5.2359"N	80°46'11.6043"W	9263.98	344.697	0.80	-0.16	-0.79	
16656.00	90.400	342.290	6653.63	9346.79	9024.85	-2474.22	1705375.30	14314345.44	39°25'6.1196"N	80°46'11.9740"W	9357.87	344.669	1.03	0.52	0.88	
16751.00	90.030	341.820	6653.27	9441.79	9115.23	-2503.49	1705346.04	14314435.78	39°25'7.0135"N	80°46'12.3440"W	9452.77	344.642	0.63	-0.39	-0.49	
16845.00	90.000	342.200	6653.24	9535.79	9204.63	-2532.52	1705317.02	14314525.15	39°25'7.8979"N	80°46'12.7110"W	9546.67	344.617	0.41	-0.03	0.40	
17034.00	89.940	341.940	6653.34	9724.78	9384.46	-2590.71	1705258.86	14314704.90	39°25'9.6766"N	80°46'13.4465"W	9735.49	344.567	0.14	-0.03	-0.14	
17128.00	90.120	342.180	6653.29	9818.78	9473.88	-2619.66	1705229.92	14314794.30	39°25'10.5612"N	80°46'13.8126"W	9829.40	344.543	0.32	0.19	0.26	
17223.00	89.290	341.730	6653.78	9913.78	9564.21	-2649.09	1705200.51	14314884.58	39°25'11.4547"N	80°46'14.1846"W	9924.30	344.518	0.99	-0.87	-0.47	
17317.00	90.060	342.530	6654.32	10007.78	9653.67	-2677.93	1705171.67	14314974.01	39°25'12.3396"N	80°46'14.5492"W	10018.22	344.496	1.18	0.82	0.85	
17412.00	89.820	342.190	6654.42	10102.77	9744.20	-2706.72	1705142.90	14315064.51	39°25'13.2351"N	80°46'14.9131"W	10113.15	344.476	0.44	-0.25	-0.36	
17507.00	90.740	342.750	6653.95	10197.77	9834.79	-2735.33	1705114.29	14315155.06	39°25'14.1311"N	80°46'15.2748"W	10208.09	344.457	1.13	0.97	0.59	
17538.00‡	90.740	342.750	6653.55	10228.78	9864.39	-2744.52	1705105.11	14315184.65	39°25'14.4239"N	80°46'15.3910"W	10239.08	344.452	0.00	0.00	0.00	Projected MD at TD: 17538'

HOLE & CASING SECTIONS - Ref Wellbore: Gatrell Unit 2H AWB Ref Wellpath: Gatrell Unit 2H AWP Proj: 17538'									
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	-0.22	0.22
17.5in Open Hole	126.00	405.00	279.00	126.00	405.00	-0.22	0.22	-0.20	0.42
13.375in Casing Surface	25.50	385.00	359.50	25.50	385.00	0.00	0.00	-0.37	0.44
12.25in Open Hole	405.00	3129.00	2724.00	405.00	3127.15	-0.20	0.42	9.25	32.02
9.625in Casing Intermediate	25.50	3109.00	3083.50	25.50	3107.15	0.00	0.00	9.35	32.18
8.75in Open Hole	3129.00	5762.00	2633.00	3127.15	5648.43	9.25	32.02	-534.41	482.74
8.5in Open Hole	5762.00	17538.00	11776.00	5648.43	6653.55	-534.41	482.74	9864.39	-2744.52
5.5in Casing Production	25.50	17538.00	17512.50	25.50	6653.55	0.00	0.00	9864.39	-2744.52



Actual Wellpath Report

Gatrell Unit 2H AWP Proj: 17538'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Gatrell Unit 2H POE Rev-2	6676.00	-60.30	494.31	1708342.65	14305263.89	39°23'36.2501"N	80°45'34.4579"W	point
Gatrell Unit 2H BHL Rev-2	6699.00	9874.89	-2756.74	1705092.89	14315195.14	39°25'14.5280"N	80°46'15.5463"W	point
Gatrell Unit 2H LP Rev-2	6699.00	110.82	438.32	1708286.68	14305434.94	39°23'37.9428"N	80°45'35.1653"W	point
Gatrell Unit 2H 50' L/R Hard Line	7000.00	4907.30	-1131.21	1706717.77	14310229.52	39°24'25.3896"N	80°45'54.9981"W	rectangle
2D Rectangle 10453.6 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Gatrell Unit 2H AWB Ref Wellpath: Gatrell Unit 2H AWP Proj: 17538'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
25.50	386.00	Gyrodatta 2015 - GC+VMR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-386')	Gatrell Unit 2H AWB	01/Aug/2021	
386.00	3039.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (386')(595'-3039')	Gatrell Unit 2H AWB	01/Aug/2021	
3039.00	5699.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3039')(3137'-5699')	Gatrell Unit 2H AWB	01/Aug/2021	
5699.00	17538.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (5699')(5738'-17507')	Gatrell Unit 2H AWB	01/Aug/2021	



Actual Wellpath Report
Gatrell Unit 2H AWP Proj: 17538'
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REFERENCE WELL PATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Gatrell Unit 2H
Field	Tyler	API	47-095-02740-0000
Facility	Shepherd Pad	Wellbore	Gatrell Unit 2H AWB
Slot	Slot D		

COMMENTS
<p>Wellpath general comments API: 47-095-02740-0000 BH Job #: 110974064 Rig: H&P 317 Duration: 8/2/2021-8/8/2021 Gyrodatta MS Gyro <17-1/2"> (100'-386') APS EM <12-1/4"> (386')(595'-3039') APS EM <8-3/4"> (3039')(3137'-5699') BH AT Curve <8-1/2"> (5699')(5738'-17507') Sycamore: 6431' MD Middlesex: 6637' MD Burkett: 6825' MD Tully: 6885' MD Marcellus POE: 7080' MD Projected MD at TD: 17538'</p>