



ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
 Field: Tyler
 Facility: Dawson Pad
 Slot: Slot #05
 Well: Bounty Unit 1H
 Wellbore: Bounty Unit 1H PWB



Plot reference wellpath is Bounty Unit 1H PWP Rev-A.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to Patterson 342 (RKB)	North Reference: Grid north
Measured depths are referenced to Patterson 342 (RKB)	Scale: True distance
Patterson 342 (RKB) to Mean Sea Level: 1035 feet	Depths are in feet
Mean Sea Level to Ground level (At Slot #05) : -1010 feet	Created by: mcroberts on 2018-05-08
Coordinates are in feet referenced to Slot	Database: WA_MPL_EASTERNUS_Defn

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Dawson Pad	1676049.728	14300592.517	80°52'26.030"W
Slot	Local E (ft)	Grid North (US ft)	Longitude
Slot #05	-7.07	1676056.800	80°52'25.940"W
Comment	Bounty Unit 1H		
Patterson 342 (RKB) to Ground level (At Slot #05)	25ft		
Mean Sea Level to Ground level (At Slot #05)	-1010ft		
Patterson 342 (RKB) to Mean Sea Level	1035ft		

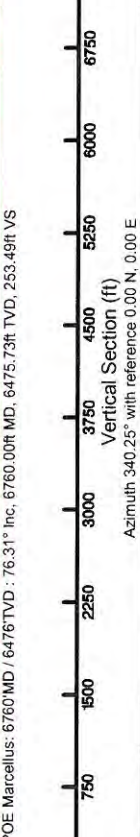
Well Profile Data			
Design Comment	MD (ft)	Inc. (")	Az (°)
Tie On	6196.00	36.830	338.410
Prof. To Bottom	6276.00	45.000	337.000
Back on Line	6335.14	45.000	339.509
End of Tangent	6449.68	45.000	339.509
POE	6730.17	74.438	340.248
Landing Pt.	6878.34	90.000	340.248
BHL	15782.48	90.000	340.248
Directional ONE MWD <8-3/4">(2520)/(2657-6198) : 6.56" Inc, 2657.00ft MD, 2637.83ft TVD, -244.87ft VS			
Gyrodata MS Gyro <17-1/2">(100-549) : 0.08" Inc, 100.00ft MD, 100.00ft TVD, -0.03ft VS			
Gyrodata MS Gyro <12-1/4">(549)/(627-807) : 0.11" Inc, 627.00ft MD, 627.00ft TVD, -1.06ft VS			
Directional ONE MWD <12-1/4">(807)/(871-2520) : 2.19" Inc, 871.00ft MD, 870.97ft TVD, -3.96ft VS			

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #05	Bounty Unit 1H	Bounty Unit 1H AWB	Bounty Unit 1H AWP Proj: 15792
Slot #05	Bounty Unit 1H	Bounty Unit 1H PWB	Bounty Unit 1H PWP Rev-A.0

Vertical Section (ft)			
Vertical Section (ft)	Vertical Section (ft)	Vertical Section (ft)	Vertical Section (ft)
0	750	1500	2250
3000	3750	4500	5250
6000	6750	7500	8250
9000	9750	10500	11250



API: 47-095-02411-0000
 BH Job #: 8937258
 Rig: Patterson 342
 Duration: 01/03/18 - 01/04/18



Scale 1 inch = 1500



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Tyler County, WV	Well	Bounty Unit 1H
Field	Tyler	Wellbore	Bounty Unit 1H AWB
Facility	Dawson Pad		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Mccrerib
Scale	0.999601	Report Generated	5/8/2018 at 4:04:13 PM
Convergence at slot	0.08° East	Database/Source file	WA_MPL_EASTERNUS_Defn/Bounty_Unit_1H_AWP_Proj_15792_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-7.07	7.08	1676056.80	14300585.45	39°22'50.640"N	80°52'25.940"W
Facility Reference Pt			1676049.73	14300592.52	39°22'50.710"N	80°52'26.030"W
Field Reference Pt			0.00	0.00	0°00'00.000"	86°29'19.301"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 342 (RKB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Patterson 342 (RKB) to Mean Sea Level	1035.00ft
Vertical Reference Pt	Patterson 342 (RKB)	Patterson 342 (RKB) to Ground Level at Slot (Slot #05)	25.00ft
MD Reference Pt	Patterson 342 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	340.25°



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Tyler County, WV	Well	Bounty Unit 1H
Field	Tyler	Wellbore	Bounty Unit 1H AWB
Facility	Dawson Pad		

WELLPATH DATA (186 stations) i = 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	0.00	110.050	0.00	0.00	0.00	0.00	1676056.80	14300585.45	39°22'50.640"N	80°52'25.940"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.00	110.050	25.00	0.00	0.00	0.00	1676056.85	14300585.45	39°22'50.640"N	80°52'25.940"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.080	110.050	100.00	-0.03	-0.02	0.05	1676056.85	14300585.43	39°22'50.640"N	80°52'25.939"W	0.05	110.050	0.11	0.11	146.73	Gyrodata MS Gyro <17-1/2">(100'-549')
200.00	0.170	192.140	200.00	-0.20	-0.19	0.08	1676056.88	14300585.26	39°22'50.638"N	80°52'25.939"W	0.20	155.911	0.18	0.09	82.09	
300.00	0.120	126.840	300.00	-0.42	-0.39	0.14	1676056.94	14300585.06	39°22'50.636"N	80°52'25.938"W	0.42	160.966	0.16	-0.05	-65.30	
400.00	0.090	140.450	400.00	-0.58	-0.52	0.27	1676057.07	14300584.93	39°22'50.635"N	80°52'25.937"W	0.58	152.474	0.04	-0.03	13.61	
500.00	0.190	118.990	500.00	-0.78	-0.66	0.47	1676057.26	14300584.79	39°22'50.634"N	80°52'25.934"W	0.81	144.791	0.11	0.10	-21.46	
549.00	0.190	115.950	549.00	-0.90	-0.73	0.61	1676057.41	14300584.72	39°22'50.633"N	80°52'25.932"W	0.95	140.308	0.02	0.00	-6.20	
627.00	0.110	176.950	627.00	-1.06	-0.87	0.73	1676057.53	14300584.59	39°22'50.631"N	80°52'25.931"W	1.13	139.870	0.21	-0.10	78.21	Gyrodata MS Gyro <12-1/4">(549')(627'-807')
721.00	0.270	195.290	721.00	-1.33	-1.17	0.68	1676057.48	14300584.28	39°22'50.628"N	80°52'25.931"W	1.35	149.968	0.18	0.17	19.51	
807.00	1.010	179.140	806.99	-2.21	-2.12	0.63	1676057.43	14300583.33	39°22'50.619"N	80°52'25.932"W	2.21	163.374	0.88	0.86	-18.78	
871.00	2.190	153.770	870.97	-3.96	-3.78	1.18	1676057.98	14300581.67	39°22'50.603"N	80°52'25.925"W	3.96	162.640	2.11	1.84	-39.64	Directional ONE MWD <12-1/4">(807')(871'-2520')
962.00	4.950	161.990	961.78	-9.61	-9.08	3.17	1676059.96	14300576.38	39°22'50.550"N	80°52'25.900"W	9.61	160.776	3.08	3.03	9.03	
1052.00	7.270	160.670	1051.26	-19.19	-18.15	6.25	1676063.05	14300567.31	39°22'50.461"N	80°52'25.861"W	19.19	160.990	2.58	2.58	-1.47	
1147.00	7.590	157.830	1145.47	-31.47	-29.63	10.61	1676067.40	14300555.83	39°22'50.347"N	80°52'25.805"W	31.47	160.299	0.51	0.34	-2.99	
1241.00	7.270	156.510	1238.68	-43.61	-40.83	15.32	1676072.12	14300544.64	39°22'50.236"N	80°52'25.746"W	43.61	159.432	0.39	-0.34	-1.40	
1335.00	7.750	156.540	1331.87	-55.87	-52.10	20.22	1676077.01	14300533.37	39°22'50.125"N	80°52'25.684"W	55.88	158.793	0.51	0.51	0.03	
1429.00	8.860	150.520	1424.89	-69.33	-64.22	26.30	1676083.09	14300521.26	39°22'50.005"N	80°52'25.606"W	69.39	157.727	1.50	1.18	-6.40	
1524.00	9.060	144.230	1518.73	-83.73	-76.65	34.27	1676091.06	14300508.83	39°22'49.882"N	80°52'25.505"W	83.97	155.909	1.05	0.21	-6.62	
1618.00	8.850	137.170	1611.59	-97.49	-87.96	43.52	1676100.30	14300497.52	39°22'49.770"N	80°52'25.387"W	98.14	153.678	1.19	-0.22	-7.51	
1713.00	8.450	131.240	1705.51	-110.32	-97.92	53.73	1676110.51	14300487.57	39°22'49.671"N	80°52'25.257"W	111.70	151.245	1.03	-0.42	-6.24	
1807.00	8.090	128.370	1798.53	-121.98	-106.58	64.11	1676120.89	14300478.91	39°22'49.586"N	80°52'25.125"W	124.38	148.972	0.58	-0.38	-3.05	
1901.00	9.820	137.160	1891.38	-134.97	-116.57	74.75	1676131.52	14300468.93	39°22'49.487"N	80°52'24.990"W	138.48	147.329	2.34	1.84	9.35	
1995.00	12.000	145.130	1983.69	-151.78	-130.46	85.79	1676142.55	14300455.04	39°22'49.349"N	80°52'24.860"W	156.14	146.672	2.82	2.32	8.48	
2090.00	11.970	141.450	2076.62	-170.64	-146.27	97.57	1676154.34	14300439.24	39°22'49.193"N	80°52'24.700"W	175.83	146.294	0.80	-0.03	-3.87	
2183.00	9.770	136.630	2167.94	-187.00	-159.55	109.01	1676165.76	14300425.96	39°22'49.062"N	80°52'24.565"W	193.23	145.659	2.56	-2.37	-5.18	
2278.00	7.690	131.280	2261.84	-199.95	-169.61	119.32	1676176.07	14300415.91	39°22'48.962"N	80°52'24.424"W	207.37	144.873	2.35	-2.19	-5.63	
2372.00	7.420	138.510	2355.03	-211.09	-178.30	128.07	1676184.81	14300407.22	39°22'48.876"N	80°52'24.312"W	219.53	144.312	1.05	-0.29	7.69	
2466.00	7.490	144.440	2448.23	-222.62	-187.83	135.65	1676192.40	14300397.69	39°22'48.782"N	80°52'24.216"W	231.69	144.164	0.82	0.07	6.31	
2520.00	7.080	145.600	2501.80	-229.23	-193.44	139.58	1676196.32	14300392.09	39°22'48.726"N	80°52'24.166"W	238.54	144.188	0.81	-0.76	2.15	



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #05
ANTERO RESOURCES CORPORATION	Well	Bounty Unit 1H
Tyler County, WV	Wellbore	Bounty Unit 1H AWB
Tyler		
Dawson Pad		

WELLPATH DATA (186 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)	Turn Rate Comments
2657.00	6.560	143.010	2637.83	-244.87	-206.66	149.06	1676205.80	14300378.87	39°22'48.595"N	80°52'24.045"W	254.81	144.198	0.44	-0.38	-1.89	Directional ONE MWD <8-3/4">(2520)(2657-6198)
2757.00	7.780	156.020	2737.05	-257.08	-217.41	155.24	1676211.98	14300368.13	39°22'48.489"N	80°52'23.967"W	267.15	144.470	2.02	1.22	13.01	
2851.00	6.760	147.090	2830.30	-268.81	-227.87	160.84	1676217.57	14300357.68	39°22'48.386"N	80°52'23.896"W	278.91	144.784	1.62	-1.09	-9.50	
2944.00	6.080	136.070	2922.72	-278.63	-236.01	167.23	1676223.96	14300349.54	39°22'48.305"N	80°52'23.815"W	289.25	144.680	1.51	-0.73	-11.85	
3039.00	5.590	127.060	3017.22	-287.10	-242.42	174.41	1676229.14	14300343.13	39°22'48.242"N	80°52'23.723"W	298.64	144.267	1.09	-0.52	-9.48	
3133.00	4.620	122.770	3110.85	-293.93	-247.23	181.25	1676237.97	14300338.32	39°22'48.194"N	80°52'23.636"W	306.55	143.754	1.11	-1.03	-4.56	
3228.00	1.990	122.360	3205.68	-298.27	-250.18	185.86	1676242.58	14300335.37	39°22'48.165"N	80°52'23.578"W	311.66	143.392	2.77	-2.77	-0.43	
3322.00	2.060	121.470	3299.63	-300.88	-251.94	188.68	1676245.40	14300333.61	39°22'48.147"N	80°52'23.542"W	314.76	143.170	0.08	0.07	-0.95	
3417.00	1.210	79.900	3394.59	-302.37	-252.65	191.12	1676247.85	14300332.90	39°22'48.140"N	80°52'23.511"W	316.80	142.894	1.48	-0.89	-43.76	
3512.00	1.290	12.210	3489.57	-301.64	-251.43	192.34	1676249.06	14300334.12	39°22'48.132"N	80°52'23.495"W	316.56	142.586	1.47	0.08	-71.25	
3606.00	1.060	8.900	3583.55	-299.97	-249.54	192.69	1676249.42	14300336.01	39°22'48.171"N	80°52'23.481"W	315.28	142.325	0.26	-0.24	-3.52	
3794.00	0.660	312.950	3771.52	-296.91	-246.36	192.48	1676249.20	14300339.19	39°22'48.202"N	80°52'23.493"W	312.64	141.999	0.96	-0.56	-51.61	
3889.00	1.480	250.840	3866.51	-296.41	-246.39	190.92	1676247.65	14300339.16	39°22'48.202"N	80°52'23.513"W	311.70	142.229	1.38	0.86	-65.38	
3983.00	1.300	235.900	3960.48	-296.66	-247.39	188.89	1676245.62	14300338.16	39°22'48.182"N	80°52'23.539"W	311.26	142.636	0.43	-0.19	-15.89	
4077.00	1.230	241.580	4054.46	-297.08	-248.46	187.12	1676242.21	14300337.09	39°22'48.182"N	80°52'23.561"W	311.05	143.016	0.15	-0.07	6.04	
4172.00	1.190	228.810	4149.44	-297.59	-249.60	185.48	1676242.21	14300335.95	39°22'48.171"N	80°52'23.582"W	310.97	143.383	0.29	-0.04	-13.44	
4266.00	1.290	211.880	4243.41	-298.61	-251.14	184.19	1676240.92	14300334.41	39°22'48.155"N	80°52'23.599"W	311.44	143.743	0.40	0.11	-18.01	
4361.00	0.710	197.640	4332.38	-301.29	-254.47	182.85	1676240.05	14300332.56	39°22'48.137"N	80°52'23.610"W	312.43	144.071	0.34	-0.11	-14.95	
4455.00	0.540	89.200	4432.38	-300.06	-252.99	183.33	1676240.58	14300331.08	39°22'48.122"N	80°52'23.616"W	313.36	144.301	0.51	-0.51	-0.04	
4549.00	0.440	75.450	4526.38	-301.90	-255.02	183.12	1676240.65	14300330.53	39°22'48.117"N	80°52'23.613"W	313.96	144.320	1.08	-0.18	-115.36	
4644.00	0.230	52.940	4621.37	-302.08	-254.92	183.92	1676240.85	14300330.63	39°22'48.118"N	80°52'23.602"W	314.35	144.191	0.16	-0.11	-14.47	
4738.00	0.230	52.940	4715.37	-302.05	-254.72	184.42	1676241.15	14300330.83	39°22'48.120"N	80°52'23.596"W	314.47	144.095	0.26	-0.22	-23.95	
4832.00	0.640	46.220	4809.37	-301.78	-254.24	184.95	1676241.68	14300331.31	39°22'48.125"N	80°52'23.589"W	314.40	143.866	0.44	0.44	-7.15	
4927.00	0.440	46.930	4908.36	-301.42	-253.63	185.60	1676242.32	14300331.92	39°22'48.131"N	80°52'23.581"W	314.28	143.804	0.21	-0.21	0.75	
5021.00	0.470	16.080	4998.36	-300.97	-253.01	185.97	1676242.89	14300332.54	39°22'48.137"N	80°52'23.576"W	314.00	143.683	0.26	0.03	-32.82	
5115.00	0.540	358.740	5092.36	-300.24	-252.20	186.07	1676242.79	14300333.35	39°22'48.145"N	80°52'23.575"W	313.41	143.581	0.18	0.07	-18.45	
5209.00	0.980	332.760	5186.35	-299.02	-251.04	185.69	1676242.41	14300334.51	39°22'48.156"N	80°52'23.580"W	312.25	143.510	0.58	0.47	-27.64	
5303.00	0.810	328.160	5280.34	-297.57	-249.76	184.97	1676241.70	14300335.79	39°22'48.169"N	80°52'23.589"W	310.80	143.477	0.20	-0.18	-4.89	
5397.00	1.220	305.550	5374.32	-296.10	-248.61	183.81	1676240.53	14300336.94	39°22'48.180"N	80°52'23.604"W	309.18	143.524	0.60	0.44	-24.05	



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'



REFERENCE WELLPATH IDENTIFICATION									
Operator	ANTERO RESOURCES CORPORATION								
Area	Tyler County, WV								
Field	Tyler								
Facility	Dawson Pad								
	Slot	Slot #05							
	Well	Bounty Unit 1H							
	Wellbore	Bounty Unit 1H AWB							

WELLPATH DATA (186 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
5492.00	0.810	165.310	5469.32	-295.94	-248.67	183.15	1676239.88	14300336.87	39°22'48.180"N	80°52'23.612"W	308.84	143.628	2.01	-0.43	-147.62	
5586.00	1.620	172.050	5563.29	-297.90	-250.63	183.51	1676240.23	14300336.92	39°22'48.160"N	80°52'23.608"W	310.63	143.790	0.87	0.86	7.17	
5680.00	1.890	180.390	5657.25	-300.66	-253.50	183.68	1676240.40	14300332.05	39°22'48.132"N	80°52'23.605"W	313.05	144.074	0.39	0.29	8.87	
5774.00	2.010	174.330	5751.20	-303.71	-256.69	183.83	1676240.56	14300328.86	39°22'48.100"N	80°52'23.604"W	315.73	144.391	0.25	0.13	-6.45	
5868.00	3.900	358.610	5845.14	-302.24	-255.15	183.78	1676240.51	14300330.41	39°22'48.116"N	80°52'23.604"W	314.44	144.235	6.31	6.30	11.87	
5915.00	8.010	355.310	5891.88	-297.56	-250.28	183.47	1676240.20	14300335.27	39°22'48.164"N	80°52'23.608"W	310.33	143.756	8.77	8.74	-7.02	
5962.00	12.810	353.700	5938.11	-289.40	-241.92	182.64	1676239.37	14300343.63	39°22'48.247"N	80°52'23.618"W	303.12	142.948	9.81	9.79	-3.43	
6009.00	17.090	349.800	5983.53	-277.60	-230.01	180.86	1676237.58	14300355.53	39°22'48.364"N	80°52'23.641"W	292.60	141.823	9.76	9.53	-8.30	
6057.00	23.080	347.860	6028.59	-261.30	-213.86	177.62	1676234.35	14300371.68	39°22'48.524"N	80°52'23.682"W	278.00	140.288	12.55	12.48	-4.04	
6104.00	27.680	344.200	6071.04	-241.27	-194.34	172.71	1676229.44	14300391.19	39°22'48.717"N	80°52'23.744"W	259.99	138.372	10.34	9.79	-7.79	
6177.00†	34.829	339.592	6133.38	-203.40	-158.36	160.86	1676217.59	14300427.16	39°22'48.939"N	80°52'23.833"W	238.75	136.055	10.46	9.98	-6.32	
6198.00	36.830	338.410	6150.41	-191.11	-146.88	156.45	1676213.19	14300438.63	39°22'49.186"N	80°52'23.894"W	225.72	134.551	10.08	9.46	-6.30	Sycamore: 6177 MD / 6133 TVD
6253.00	42.090	337.160	6192.86	-156.20	-114.54	143.22	1676199.96	14300470.95	39°22'49.506"N	80°52'24.118"W	183.39	128.652	9.67	9.56	-5.63	
6347.00	44.770	338.690	6261.12	-91.64	-54.66	118.96	1676175.71	14300530.81	39°22'50.098"N	80°52'24.426"W	130.91	114.678	3.06	2.85	1.63	
6398.00†	45.413	339.254	6297.12	-55.53	-20.94	106.00	1676162.75	14300564.51	39°22'50.432"N	80°52'24.591"W	108.05	101.177	1.48	1.26	1.11	Middlesex: 6398 MD / 6297 TVD
6442.00	45.970	339.730	6327.86	-24.05	8.55	94.97	1676151.73	14300593.99	39°22'50.723"N	80°52'24.730"W	95.35	84.857	1.48	1.27	1.08	
6489.00	51.270	340.460	6358.91	11.21	41.70	82.97	1676139.74	14300627.13	39°22'51.051"N	80°52'24.883"W	92.86	83.319	11.34	11.28	1.55	
6536.00	56.570	341.380	6386.60	49.16	77.57	70.58	1676127.35	14300662.99	39°22'51.406"N	80°52'25.040"W	104.87	42.296	11.26	11.15	1.96	
6576.00†	60.391	341.620	6407.53	83.23	109.89	59.76	1676116.54	14300695.30	39°22'51.725"N	80°52'25.177"W	125.09	28.539	9.72	9.70	0.60	Burket: 6576 MD / 6408 TVD
6583.00	61.070	341.660	6410.95	89.34	115.69	57.84	1676114.62	14300701.09	39°22'51.783"N	80°52'25.201"W	129.34	26.563	9.72	9.70	0.57	
6630.00	65.140	341.820	6432.21	131.23	155.48	44.71	1676101.49	14300740.87	39°22'52.176"N	80°52'25.368"W	161.79	16.042	8.66	8.66	0.34	
6649.00†	66.535	341.664	6439.99	148.56	171.95	39.28	1676096.06	14300757.33	39°22'52.339"N	80°52'25.437"W	176.38	12.867	7.38	7.34	-0.82	Tully: 6649 MD / 6440 TVD
6677.00	68.590	341.440	6450.67	174.43	196.50	31.09	1676087.88	14300781.87	39°22'52.582"N	80°52'25.541"W	198.94	8.991	7.38	7.34	-0.80	
6724.00	72.890	340.840	6466.17	218.79	238.47	16.75	1676073.54	14300823.83	39°22'52.997"N	80°52'25.723"W	239.06	4.017	9.23	9.15	-1.28	
6760.00†	76.306	340.740	6475.73	253.49	271.24	5.33	1676062.19	14300856.58	39°22'53.321"N	80°52'25.912"W	271.29	1.125	9.49	9.49	-0.28	POE Marcellus: 6760 MD / 6476 TVD
6771.00	77.350	340.710	6478.24	264.20	281.35	1.79	1676058.59	14300866.69	39°22'53.421"N	80°52'25.912"W	281.36	0.365	9.49	9.49	-0.27	
6819.00	82.280	341.550	6486.72	311.42	326.04	-13.48	1676043.33	14300911.36	39°22'53.863"N	80°52'26.106"W	326.32	357.633	10.41	10.27	1.75	
6866.00	87.780	342.870	6490.79	358.20	370.61	-27.78	1676029.03	14300955.91	39°22'54.303"N	80°52'26.287"W	371.65	355.714	12.03	11.70	2.81	



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #05
Operator	ANTERO RESOURCES CORPORATION	Well	Bounty Unit 1H
Area	Tyler County, WV	Wellbore	Bounty Unit 1H AWB
Field	Tyler		
Facility	Dawson Pad		

WELLPATH DATA (186 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
6913.00	89.350	342.810	6491.97	405.13	415.50	-41.64	1676015.18	14301000.79	39°22'54.747"N	80°52'26.463"W	417.58	354.277	3.34	3.34	-0.13	
7008.00	89.820	338.500	6492.66	500.10	505.11	-73.10	1675983.73	14301090.36	39°22'55.633"N	80°52'26.862"W	510.38	351.765	4.56	4.56	0.49	-4.54
7102.00	90.030	336.620	6492.78	594.00	591.99	-108.98	1675947.86	14301177.21	39°22'56.493"N	80°52'27.317"W	601.94	349.569	2.01	2.01	-2.00	
7196.00	89.850	339.360	6492.88	687.91	679.13	-144.21	1675912.65	14301264.31	39°22'57.354"N	80°52'27.764"W	694.28	348.012	2.92	-0.19	2.91	
7290.00	90.710	337.630	6492.42	781.86	776.59	-178.66	1675878.21	14301351.73	39°22'58.219"N	80°52'28.202"W	787.13	346.881	2.06	0.91	-1.84	
7384.00	89.230	336.860	6492.47	875.73	863.27	-215.02	1675841.87	14301438.37	39°22'59.078"N	80°52'28.663"W	879.94	345.856	1.77	-1.57	-0.82	
7478.00	89.850	339.650	6493.22	969.66	940.56	-249.84	1675807.06	14301525.64	39°22'59.940"N	80°52'29.105"W	973.18	345.124	3.04	0.66	2.97	
7573.00	90.090	340.170	6493.27	1064.66	1029.78	-282.47	1675774.44	14301614.82	39°23'00.822"N	80°52'29.519"W	1067.82	344.661	0.60	0.25	0.55	
7667.00	90.430	337.850	6492.85	1158.63	1117.54	-316.14	1675740.79	14301702.54	39°23'01.690"N	80°52'29.946"W	1161.40	344.204	2.49	0.36	-2.47	
7761.00	90.000	336.630	6492.50	1252.50	1204.22	-352.50	1675704.44	14301789.19	39°23'02.547"N	80°52'30.408"W	1254.75	343.684	1.38	-0.46	-1.30	
7855.00	89.780	338.180	6492.68	1346.38	1291.00	-388.62	1675668.34	14301875.93	39°23'03.405"N	80°52'30.866"W	1348.22	343.247	1.67	-0.23	1.65	
7949.00	89.850	338.960	6492.98	1440.34	1378.51	-422.95	1675634.02	14301963.40	39°23'04.270"N	80°52'31.302"W	1441.93	342.943	0.85	0.07	0.85	
8043.00	89.820	340.640	6493.25	1534.33	1466.73	-455.39	1675601.59	14302051.59	39°23'05.143"N	80°52'31.714"W	1535.79	342.751	1.77	-0.03	1.77	
8138.00	90.120	342.860	6493.30	1629.29	1556.94	-485.14	1675571.86	14302141.77	39°23'06.035"N	80°52'32.091"W	1630.78	342.693	2.36	0.32	2.34	
8232.00	90.340	343.570	6492.92	1723.17	1646.94	-512.28	1675544.72	14302231.73	39°23'06.925"N	80°52'32.435"W	1724.77	342.722	0.79	0.23	0.76	
8326.00	90.950	340.690	6491.86	1817.10	1736.39	-541.12	1675515.89	14302321.14	39°23'07.809"N	80°52'32.801"W	1818.75	342.691	3.13	0.65	-3.06	
8420.00	90.180	339.560	6490.94	1911.09	1824.78	-573.08	1675483.95	14302409.50	39°23'08.683"N	80°52'33.206"W	1912.65	342.565	1.45	-0.82	-1.20	
8514.00	90.120	345.500	6490.69	2004.97	1914.40	-601.28	1675455.76	14302499.09	39°23'09.569"N	80°52'33.564"W	2006.61	342.563	6.32	-0.06	6.32	
8608.00	90.460	347.530	6490.21	2098.41	2005.81	-623.20	1675433.85	14302590.45	39°23'10.473"N	80°52'33.841"W	2100.39	342.740	2.19	0.38	2.16	
8702.00	91.510	344.640	6488.60	2191.90	2097.02	-645.80	1675411.26	14302681.63	39°23'11.375"N	80°52'34.128"W	2194.21	342.883	3.27	1.12	-3.07	
8796.00	90.460	340.460	6488.98	2285.78	2186.66	-673.98	1675383.09	14302771.24	39°23'12.261"N	80°52'34.485"W	2288.17	342.870	4.58	-1.12	-4.45	
8891.00	90.250	342.840	6486.39	2380.75	2276.82	-703.88	1675353.20	14302861.36	39°23'13.153"N	80°52'34.864"W	2383.14	342.821	2.51	-0.22	2.51	
8985.00	90.120	340.530	6486.09	2474.71	2366.06	-733.42	1675323.67	14302950.56	39°23'14.035"N	80°52'35.239"W	2477.12	342.778	2.46	-0.14	-2.46	
9079.00	89.320	338.920	6486.55	2568.70	2454.23	-765.99	1675291.11	14303038.69	39°23'14.907"N	80°52'35.652"W	2570.99	342.666	1.91	-0.85	-1.71	
9174.00	89.630	337.640	6487.42	2663.64	2542.48	-801.15	1675255.97	14303126.91	39°23'15.780"N	80°52'36.098"W	2665.71	342.510	1.39	0.33	-1.35	
9268.00	90.710	337.320	6487.14	2757.53	2629.31	-837.15	1675219.89	14303213.70	39°23'16.638"N	80°52'36.555"W	2759.36	342.339	1.20	1.15	-0.34	
9362.00	90.180	336.170	6486.41	2851.35	2715.67	-874.26	1675182.89	14303300.03	39°23'17.492"N	80°52'37.027"W	2852.92	342.155	1.35	-0.56	-1.22	
9456.00	89.140	335.060	6486.97	2945.03	2801.28	-913.07	1675144.10	14303385.60	39°23'18.339"N	80°52'37.519"W	2946.33	341.947	1.62	-1.11	-1.18	
9551.00	89.480	336.290	6488.11	3039.72	2887.83	-952.20	1675104.99	14303472.13	39°23'19.195"N	80°52'38.016"W	3040.77	341.751	1.34	0.36	1.29	
9645.00	89.450	338.750	6488.99	3133.61	2974.68	-988.13	1675069.06	14303558.94	39°23'20.054"N	80°52'38.472"W	3134.61	341.624	2.62	-0.03	2.62	



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION									
Operator	Slot	Slot #05							
ANTERO RESOURCES CORPORATION	Well	Bounty Unit 1H							
Tyler County, WV	Wellbore	Bounty Unit 1H AWB							
Tyler									
Dawson Pad									

WELLPATH DATA (186 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
9740.00	89.820	339.570	6489.60	3228.59	3063.46	-1021.93	1675035.28	14303647.69	39°23'20.932"N	80°52'38.901"W	3229.42	341.552	0.95	0.39	0.86	
9835.00	91.050	342.440	6488.87	3323.56	3153.28	-1052.85	1675004.38	14303737.46	39°23'21.820"N	80°52'39.294"W	3324.40	341.536	3.29	1.28	3.02	
9929.00	90.280	344.320	6487.78	3417.41	3243.34	-1079.73	1674977.50	14303827.49	39°23'22.710"N	80°52'39.634"W	3418.34	341.587	2.16	-0.82	2.00	
10023.00	90.180	346.250	6487.41	3511.04	3334.25	-1103.60	1674953.64	14303918.36	39°23'23.609"N	80°52'39.937"W	3512.15	341.686	2.06	-0.11	2.05	
10118.00	89.970	341.960	6487.28	3605.81	3425.60	-1129.62	1674927.64	14304009.67	39°23'24.512"N	80°52'40.267"W	3607.04	341.750	4.52	-0.22	-4.52	
10212.00	90.090	339.410	6487.23	3689.80	3514.30	-1160.71	1674896.56	14304098.34	39°23'25.390"N	80°52'40.661"W	3701.02	341.723	2.72	0.13	-2.71	
10307.00	89.780	339.570	6487.34	3794.79	3603.28	-1193.99	1674863.29	14304187.28	39°23'26.269"N	80°52'41.084"W	3795.95	341.667	3.00	0.14	3.00	
10400.00	89.910	342.360	6487.59	3887.77	3691.18	-1224.32	1674832.97	14304275.15	39°23'27.139"N	80°52'41.468"W	3888.93	341.650	3.00	0.14	3.00	
10495.00	90.150	341.920	6487.54	3982.72	3781.60	-1253.46	1674803.85	14304365.54	39°23'28.033"N	80°52'41.838"W	3983.93	341.662	0.53	0.25	-0.46	
10589.00	89.940	340.560	6487.47	4076.70	3870.61	-1283.69	1674773.63	14304454.51	39°23'28.913"N	80°52'42.221"W	4077.92	341.652	1.46	-0.22	-1.45	
10684.00	89.940	340.820	6487.57	4171.70	3960.26	-1315.10	1674742.23	14304544.13	39°23'29.799"N	80°52'42.620"W	4172.91	341.630	0.27	0.00	0.27	
10779.00	90.000	342.530	6487.62	4266.67	4050.44	-1344.97	1674712.37	14304634.27	39°23'30.691"N	80°52'42.998"W	4267.91	341.631	1.80	0.06	1.80	
10873.00	90.030	343.240	6487.59	4360.57	4140.28	-1372.63	1674684.72	14304724.07	39°23'31.579"N	80°52'43.350"W	4361.88	341.658	0.76	0.03	0.76	
10967.00	89.820	342.230	6487.72	4454.48	4230.04	-1400.53	1674656.83	14304813.80	39°23'32.467"N	80°52'43.703"W	4455.87	341.681	1.10	-0.22	-1.07	
11062.00	89.940	342.020	6487.91	4549.42	4320.46	-1429.69	1674627.68	14304904.18	39°23'33.361"N	80°52'44.073"W	4550.86	341.690	0.25	0.13	-0.22	
11157.00	90.250	339.100	6487.76	4644.41	4410.03	-1461.30	1674596.08	14304993.71	39°23'34.247"N	80°52'44.474"W	4645.83	341.667	3.09	0.33	-3.07	
11251.00	90.370	337.030	6487.25	4738.34	4497.22	-1496.41	1674560.99	14305080.87	39°23'35.109"N	80°52'44.920"W	4739.64	341.596	2.21	0.13	-2.20	
11346.00	90.400	335.380	6486.61	4833.10	4584.14	-1534.74	1674522.67	14305167.75	39°23'35.968"N	80°52'45.407"W	4834.23	341.490	1.74	0.03	-1.74	
11440.00	90.430	333.520	6485.93	4926.61	4668.94	-1575.28	1674482.15	14305252.52	39°23'36.807"N	80°52'45.922"W	4927.53	341.356	1.98	0.03	-1.98	
11534.00	90.490	336.570	6485.17	5020.21	4754.15	-1614.93	1674442.51	14305337.70	39°23'37.650"N	80°52'46.425"W	5020.95	341.238	3.25	0.06	3.24	
11629.00	90.340	338.950	6484.49	5115.11	4842.08	-1650.89	1674406.58	14305425.59	39°23'38.519"N	80°52'46.882"W	5115.77	341.173	2.51	-0.16	2.51	
11723.00	90.090	343.480	6484.13	5209.07	4931.04	-1681.15	1674376.33	14305514.52	39°23'39.399"N	80°52'47.266"W	5209.75	341.174	4.83	-0.27	4.82	
11818.00	90.280	343.670	6483.83	5303.91	5022.17	-1708.01	1674349.47	14305605.61	39°23'40.300"N	80°52'47.606"W	5304.66	341.217	0.28	0.20	0.20	
11912.00	90.180	338.060	6483.45	5397.86	5110.94	-1738.81	1674318.69	14305694.34	39°23'41.178"N	80°52'47.997"W	5398.62	341.211	5.97	-0.11	-5.97	
12006.00	90.550	339.440	6482.85	5491.83	5198.54	-1772.88	1674284.63	14305781.91	39°23'42.044"N	80°52'48.430"W	5492.53	341.169	1.52	0.38	1.47	
12101.00	90.430	342.020	6482.04	5586.81	5288.21	-1804.23	1674253.30	14305871.54	39°23'42.931"N	80°52'48.828"W	5587.52	341.161	2.72	-0.13	2.72	
12196.00	90.460	344.300	6481.30	5681.68	5379.13	-1831.74	1674225.79	14305962.42	39°23'43.830"N	80°52'49.176"W	5682.45	341.195	2.40	0.03	2.40	
12290.00	90.620	342.680	6480.41	5775.52	5469.24	-1858.46	1674199.09	14306052.50	39°23'44.721"N	80°52'49.515"W	5776.37	341.232	1.73	0.17	-1.72	
12384.00	90.520	341.940	6479.48	5869.46	5558.79	-1887.02	1674170.54	14306142.02	39°23'45.606"N	80°52'49.878"W	5870.35	341.249	0.79	-0.11	-0.78	
12478.00	90.620	342.580	6478.54	5963.40	5648.32	-1915.66	1674141.91	14306231.51	39°23'46.491"N	80°52'50.241"W	5964.33	341.265	0.69	0.11	0.68	



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Tyler County, WV	Well	Bounty Unit 1H
Field	Tyler	Wellbore	Bounty Unit 1H AWB
Facility	Dawson Pad		

WELLPATH DATA (186 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
12572.00	90.430	342.090	6477.68	6057.33	5737.88	-1944.18	1674113.40	14306321.03	39°23'47.377"N	80°52'50.603"W	6058.31	341.282	0.56	-0.20	-0.52	
12667.00	90.370	341.050	6477.02	6152.30	5828.01	-1974.21	1674083.38	14308411.12	39°23'48.268"N	80°52'50.984"W	6153.31	341.286	1.10	-0.06	-1.09	
12761.00	90.370	340.710	6476.41	6246.29	5916.82	-2005.00	1674052.60	14306499.90	39°23'49.146"N	80°52'51.374"W	6247.30	341.280	0.36	0.00	-0.36	
12855.00	90.310	339.510	6475.85	6340.29	6005.21	-2036.98	1674020.63	14306588.25	39°23'50.020"N	80°52'51.780"W	6341.28	341.263	1.28	-0.06	-1.28	
12949.00	90.550	337.750	6475.15	6434.24	6092.74	-2071.23	1673986.40	14306675.75	39°23'50.886"N	80°52'52.215"W	6435.18	341.224	1.89	0.26	-1.87	
13043.00	90.550	337.400	6474.25	6528.14	6179.63	-2107.09	1673950.56	14306762.60	39°23'51.745"N	80°52'52.670"W	6528.98	341.172	0.37	0.00	-0.37	
13138.00	90.400	337.530	6473.46	6623.02	6267.37	-2143.50	1673914.16	14306850.31	39°23'52.613"N	80°52'53.133"W	6623.78	341.119	0.21	-0.16	0.14	
13232.00	90.460	336.430	6472.75	6716.86	6353.88	-2180.25	1673877.42	14306936.79	39°23'53.468"N	80°52'53.599"W	6717.54	341.061	1.17	0.08	-1.17	
13327.00	90.340	335.980	6472.09	6811.63	6440.80	-2218.58	1673839.91	14307023.67	39°23'54.328"N	80°52'54.086"W	6812.20	340.993	0.49	-0.13	-0.47	
13421.00	90.580	335.170	6471.33	6905.31	6526.39	-2257.45	1673800.26	14307109.22	39°23'55.174"N	80°52'54.580"W	6905.78	340.920	0.90	0.28	-0.86	
13515.00	90.490	336.360	6470.46	6999.02	6612.10	-2296.03	1673761.69	14307194.90	39°23'56.022"N	80°52'55.070"W	6999.40	340.851	1.27	-0.10	1.27	
13610.00	91.020	337.560	6469.21	7093.85	6699.51	-2333.21	1673724.53	14307282.28	39°23'56.886"N	80°52'55.542"W	7094.17	340.799	1.38	0.56	1.28	
13704.00	90.490	340.180	6467.97	7187.80	6787.17	-2367.09	1673680.66	14307369.91	39°23'57.753"N	80°52'55.972"W	7188.10	340.773	2.84	-0.56	2.79	
13799.00	90.340	345.210	6467.28	7282.68	6877.84	-2395.34	1673662.42	14307460.54	39°23'58.549"N	80°52'56.330"W	7283.02	340.798	5.30	-0.16	5.29	
13893.00	90.580	346.590	6466.52	7376.22	6969.01	-2418.23	1673617.31	14307543.99	39°23'59.351"N	80°52'56.621"W	7376.65	340.863	1.49	0.26	1.47	
13988.00	90.430	346.340	6465.69	7470.66	7061.36	-2440.47	1673568.27	14307626.02	39°24'00.164"N	80°52'57.022"W	7471.19	340.934	0.31	-0.16	-0.26	
14083.00	90.430	345.170	6464.97	7565.22	7153.44	-2463.84	1673593.94	14307736.02	39°24'01.374"N	80°52'57.199"W	7565.86	340.995	1.23	0.00	-1.23	
14177.00	90.520	342.160	6463.29	7658.99	7243.85	-2489.53	1673540.23	14307816.08	39°24'02.268"N	80°52'57.524"W	7659.71	341.033	2.20	0.13	-2.19	
14271.00	90.550	341.660	6462.48	7747.86	7333.56	-2517.58	1673510.74	14307916.08	39°24'03.155"N	80°52'57.880"W	7753.67	341.053	1.01	-0.03	-1.01	
14366.00	90.460	340.400	6461.70	7841.85	7423.86	-2547.08	1673480.20	14308006.34	39°24'04.048"N	80°52'58.254"W	7848.65	341.063	0.53	-0.06	-0.53	
14460.00	90.490	340.400	6461.00	7941.85	7512.75	-2577.64	1673447.52	14308095.19	39°24'04.927"N	80°52'58.642"W	7942.65	341.063	1.34	0.03	-1.34	
14554.00	90.520	338.900	6460.87	8035.84	7600.88	-2610.32	1673412.86	14308183.29	39°24'05.798"N	80°52'59.057"W	8036.61	341.046	1.60	0.03	-1.60	
14649.00	90.520	338.280	6460.01	8130.79	7689.32	-2645.00	1673376.72	14308271.69	39°24'06.673"N	80°52'59.497"W	8131.52	341.018	0.65	0.00	-0.65	
14743.00	90.400	336.470	6459.25	8224.67	7776.08	-2681.16	1673339.06	14308358.42	39°24'07.531"N	80°52'59.957"W	8225.33	340.976	1.93	-0.13	-1.93	
14838.00	90.310	336.800	6458.14	8319.48	7863.29	-2718.83	1673303.05	14308445.59	39°24'08.393"N	80°53'00.435"W	8320.06	340.927	0.36	-0.06	0.35	
14931.00	90.340	337.630	6457.14	8412.34	7949.03	-2754.85	1673266.46	14308531.29	39°24'09.241"N	80°53'00.892"W	8412.86	340.886	0.89	0.00	0.89	
15027.00	90.340	337.530	6457.57	8508.24	8037.77	-2791.46	1673231.64	14308620.00	39°24'10.119"N	80°53'01.357"W	8508.70	340.848	0.10	0.00	-0.10	
15122.00	90.370	339.450	6456.98	8603.19	8126.15	-2826.29	1673200.16	14308708.34	39°24'10.993"N	80°53'01.800"W	8603.62	340.822	2.02	0.03	2.02	
15216.00	90.280	341.400	6456.45	8697.18	8214.71	-2857.78	1673169.97	14308796.87	39°24'11.868"N	80°53'02.199"W	8697.61	340.818	2.08	-0.10	2.07	
15311.00	90.430	341.530	6455.86	8792.16	8304.78	-2887.98	1673139.97	14308886.90	39°24'12.759"N	80°53'02.583"W	8792.60	340.825	0.21	0.16	0.14	



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Tyler County, WV	Well	Bounty Unit 1H
Field	Tyler	Wellbore	Bounty Unit 1H AWB
Facility	Dawson Pad		

WELLPATH DATA (186 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
15407.00	90.340	342.450	6455.21	8888.11	8396.07	-2917.66	16731140.31	14308978.16	39°24'13.662"N	80°53'02.959"W	8888.58	340.837	0.96	-0.09	0.96	
15501.00	90.370	342.070	6454.63	8982.05	8485.60	-2946.30	16731111.68	14309067.65	39°24'14.547"N	80°53'03.323"W	8982.55	340.852	0.41	0.03	-0.40	
15596.00	90.250	340.950	6454.12	9077.02	8575.70	-2976.43	1673081.56	14309157.71	39°24'15.438"N	80°53'03.705"W	9077.54	340.859	1.19	-0.13	-1.18	
15690.00	90.250	341.500	6453.71	9171.01	8664.69	-3006.69	1673051.32	14309246.67	39°24'16.318"N	80°53'04.089"W	9171.53	340.863	0.59	0.00	0.59	
15767.00	90.340	341.930	6453.31	9247.98	8737.80	-3030.84	1673027.17	14309319.75	39°24'17.041"N	80°53'04.396"W	9248.53	340.870	0.57	0.12	0.56	
15792.00	90.340	341.930	6453.16	9272.97	8761.57	-3038.60	1673019.42	14309343.51	39°24'17.276"N	80°53'04.494"W	9273.52	340.873	0.00	0.00	0.00	Project MD to TD: 15792'MD / 6453'TVD

HOLE & CASING SECTIONS - Ref Wellbore: Bounty Unit 1H AWB Ref Wellpath: Bounty Unit 1H AWP Proj: 15792'

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]
20in Conductor	25.00	105.00	80.00	25.00	105.00	0.00	0.00	0.00	0.00
17.5in Open Hole	105.00	586.70	481.70	105.00	586.70	-0.02	0.06	0.06	0.70
13.375in Casing Surface	25.00	586.70	561.70	25.00	586.70	0.00	0.00	0.00	0.70
12.25in Open Hole	586.70	2573.40	1986.70	586.70	2554.80	-0.79	0.70	0.70	143.29
9.625in Casing Intermediate	25.00	2573.40	2548.40	25.00	2554.80	0.00	0.00	0.00	143.29



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #05
ANTERO RESOURCES CORPORATION	Well	Bounty Unit 1H
Tyler County, WV	Wellbore	Bounty Unit 1H AWB
Tyler		
Dawson Pad		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Bounty Unit 1H POE - Rev-3	6472.00	240.05	11.00	1676067.80	14300825.40	39°22'53.012"N	80°52'25.796"W	point
Bounty Unit 1H BHL - Rev-3	6492.00	8758.06	-3047.56	1673010.46	14309340.00	39°24'17.241"N	80°53'04.608"W	point
Bounty Unit 1H LP - Rev-3	6492.00	377.79	-38.46	1676018.36	14300963.09	39°22'54.375"N	80°52'26.423"W	point

WELLPATH COMPOSITION - Ref Wellbore: Bounty Unit 1H AWB Ref Wellpath: Bounty Unit 1H AWP Proj: 15792'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	549.00	[Gyrodata standard - Drop gyro or Multi-shot	01_Gyrodata MS Gyro <17-1/2">(100'-549')	Bounty Unit 1H AWB
549.00	807.00	[Gyrodata standard - Drop gyro or Multi-shot	02_Gyrodata MS Gyro <12-1/4">(549')(627'-807')	Bounty Unit 1H AWB
807.00	2520.00	[SCWSA MWD, Rev. 4 (Standard)	03_Directional ONE MWD <12-1/4">(807')(871'-2520')	Bounty Unit 1H AWB
2520.00	6198.00	[SCWSA MWD, Rev. 4 (Standard)	04_Directional ONE MWD <8-3/4">(2520')(2667'-6198')	Bounty Unit 1H AWB
6198.00	15767.00	[BHI AutoTrak Curve (Short)	05_BH AT Curve <8-1/2"> (6198')(6253'-15767')	Bounty Unit 1H AWB
15767.00	15792.00	[Blind Drilling (std)	Projection to bit	Bounty Unit 1H AWB



Actual Wellpath Report

Bounty Unit 1H AWP Proj: 15792'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Tyler County, WV	Well	Bounty Unit 1H
Field	Tyler	Wellbore	Bounty Unit 1H AWB
Facility	Dawson Pad		

COMMENTS
<p>Wellpath general comments API: 47-095-02411-0000 BH Job #: 8937258 Rig: Patterson 342 Duration: 01/03/18 - 01/04/18 Gyrodatta MS Gyro <17-1/2">(100'-549') Gyrodatta MS Gyro <12-1/4">(549')(627'-807') Directional ONE MWD <12-1/4">(807')(871'-2520') Directional ONE MWD <8-3/4">(2520')(2657'-6198') BH AT Curve <8-1/2">(6198')(6253'-15767') Comment Middlesex: 6398'MD / 6297'TVD Burket: 6576'MD / 6408'TVD Tully: 6649'MD / 6440'TVD POE Marcellus: 6760'MD / 6476'TVD Project MD to TD: 15792'MD / 6453'TVD</p>