



ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
 Field: Tyler
 Facility: Roma Lou Pad

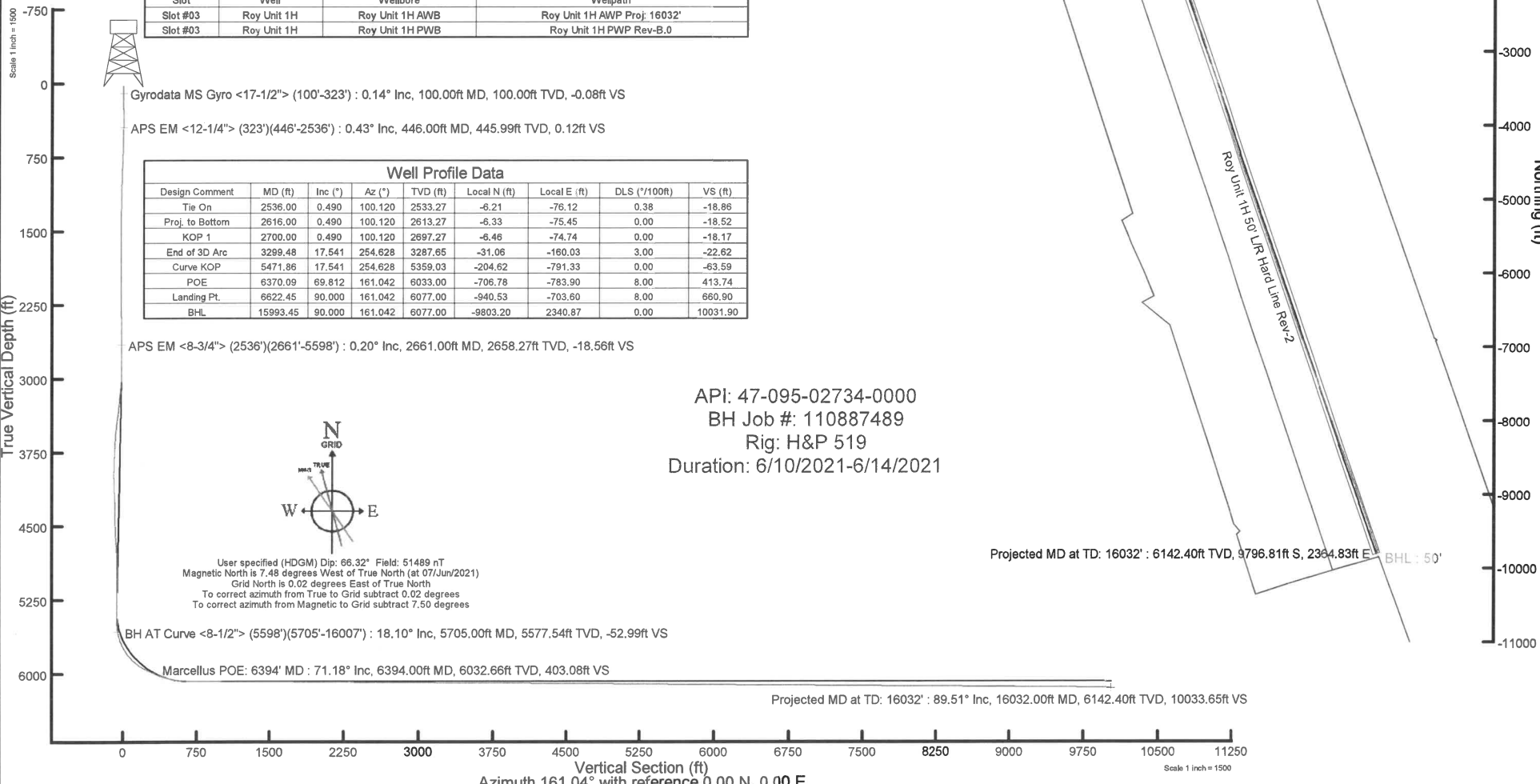
Slot: Slot #03
 Well: Roy Unit 1H
 Wellbore: Roy Unit 1H PWB



Plot reference wellpath is Roy Unit 1H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 913 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot #03): -863 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsaryar on 2021-06-23; Database: WA_MPL_EASTERNUS_Defn

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Roma Lou Pad	1647741.529	14338818.190	39°29'8.9000"N	80°58'26.5400"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #03	29.52	6.19	1647747.720	14338847.700
			39°29'9.1918"N	80°58'26.4609"W
Comment Roy Unit 1H				
H&P 519 (RKB) to Ground level (At Slot: Slot #03)	30ft			
Mean Sea Level to Ground level (At Slot: Slot #03)	-863ft			
H&P 519 (RKB) to Mean Sea Level	913ft			

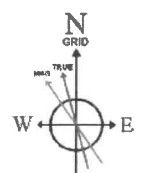
Well Data			
Slot	Well	Wellbore	Wellpath
Slot #03	Roy Unit 1H	Roy Unit 1H AWB	Roy Unit 1H AWP Proj: 16032'
Slot #03	Roy Unit 1H	Roy Unit 1H PWB	Roy Unit 1H PWP Rev-B.0



Gyrodata MS Gyro <17-1/2"> (100'-323') : 0.14° Inc, 100.00ft MD, 100.00ft TVD, -0.08ft VS
 APS EM <12-1/4"> (323')(446'-2536') : 0.43° Inc, 446.00ft MD, 445.99ft TVD, 0.12ft VS

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	2536.00	0.490	100.120	2533.27	-6.21	-76.12	0.38	-18.86
Proj. to Bottom	2616.00	0.490	100.120	2613.27	-6.33	-75.45	0.00	-18.52
KOP 1	2700.00	0.490	100.120	2697.27	-6.46	-74.74	0.00	-18.17
End of 3D Arc	3299.48	17.541	254.628	3287.65	-31.06	-160.03	3.00	-22.62
Curve KOP	5471.86	17.541	254.628	5359.03	-204.62	-791.33	0.00	-63.59
POE	6370.09	69.812	161.042	6033.00	-706.78	-783.90	8.00	413.74
Landing Pt.	6622.45	90.000	161.042	6077.00	-940.53	-703.60	8.00	660.90
BHL	15993.45	90.000	161.042	6077.00	-9803.20	2340.87	0.00	10031.90

APS EM <8-3/4"> (2536')(2661'-5598') : 0.20° Inc, 2661.00ft MD, 2658.27ft TVD, -18.56ft VS



User specified (HDGM) Dip: 66.32° Field: 51489 nT
 Magnetic North is 7.48 degrees West of True North (at 07/Jun/2021)
 Grid North is 0.02 degrees East of True North
 To correct azimuth from True to Grid subtract 0.02 degrees
 To correct azimuth from Magnetic to Grid subtract 7.50 degrees

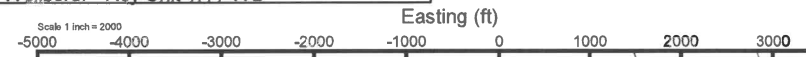
BH AT Curve <8-1/2"> (5598')(5705'-16007') : 18.10° Inc, 5705.00ft MD, 5577.54ft TVD, -52.99ft VS

Marcellus POE: 6394' MD : 71.18° Inc, 6394.00ft MD, 6032.66ft TVD, 403.08ft VS

API: 47-095-02734-0000
 BH Job #: 110887489
 Rig: H&P 519
 Duration: 6/10/2021-6/14/2021

Projected MD at TD: 16032' : 6142.40ft TVD, 9796.81ft S, 2364.83ft E BHL: 50'

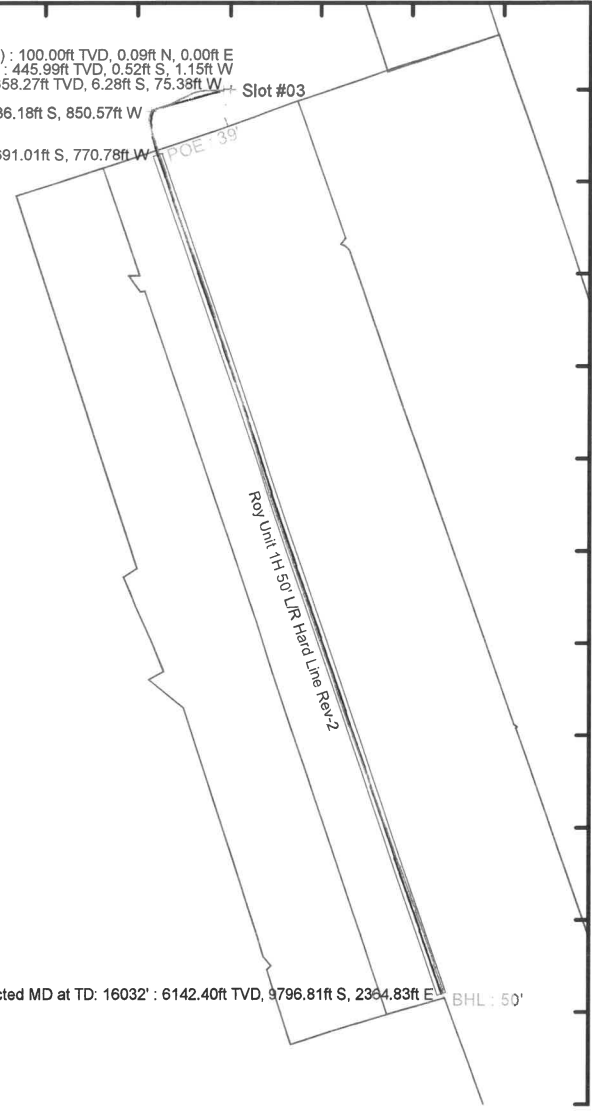
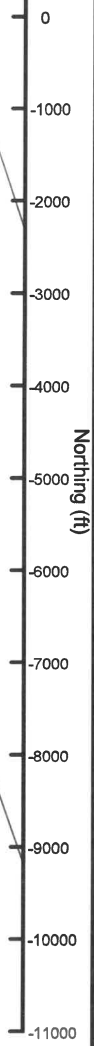
Projected MD at TD: 16032' : 89.51° Inc, 16032.00ft MD, 6142.40ft TVD, 10033.65ft VS



Gyrodata MS Gyro <17-1/2"> (100'-323') : 100.00ft TVD, 0.09ft N, 0.00ft E
 APS EM <12-1/4"> (323')(446'-2536') : 445.99ft TVD, 0.52ft S, 1.15ft W
 APS EM <8-3/4"> (2536')(2661'-5598') : 2658.27ft TVD, 6.28ft S, 75.38ft W

BH AT Curve <8-1/2"> (5598')(5705'-16007') : 5577.54ft TVD, 236.18ft S, 850.57ft W

Marcellus POE: 6394' MD : 6032.66ft TVD, 691.01ft S, 770.78ft W





Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999600	Report Generated	23/Jun/2021 at 16:06
Convergence at slot	0.02° 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	29.52	6.19	1647747.72	14338847.70	39°29'9.1918"N	80°58'26.4609"W
Facility Reference Pt			1647741.53	14338818.19	39°29'8.9000"N	80°58'26.5400"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 519 (RKB) to Facility Vertical Datum	913.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	913.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot #03)	30.00ft
MD Reference Pt	H&P 519 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.04°



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'
Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (178 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	1.320	0.00	0.00	0.00	0.00	1647747.72	14338847.70	39°29'9.1918"N	80°58'26.4609"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	1.320	30.00	0.00	0.00	0.00	1647747.72	14338847.70	39°29'9.1918"N	80°58'26.4609"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.140	1.320	100.00	-0.08	0.09	0.00	1647747.72	14338847.79	39°29'9.1926"N	80°58'26.4609"W	0.09	1.320	0.20	0.20	0.00	Gyrodata MS Gyro <17-1/2"> (100'-323')
200.00	0.140	185.620	200.00	-0.08	0.09	-0.01	1647747.71	14338847.79	39°29'9.1926"N	80°58'26.4610"W	0.09	355.231	0.28	0.00	-175.70	
300.00	0.390	226.740	300.00	0.17	-0.27	-0.27	1647747.45	14338847.43	39°29'9.1891"N	80°58'26.4643"W	0.38	224.810	0.30	0.25	41.12	
323.00	0.720	226.690	323.00	0.26	-0.42	-0.43	1647747.29	14338847.28	39°29'9.1876"N	80°58'26.4664"W	0.60	225.513	1.43	1.43	-0.22	
446.00	0.430	339.550	445.99	0.12	-0.52	-1.15	1647746.57	14338847.18	39°29'9.1866"N	80°58'26.4756"W	1.26	245.754	0.79	-0.24	91.76	APS EM <12-1/4"> (323')(446'-2536')
627.00	3.130	277.700	626.90	-2.78	0.78	-6.29	1647741.43	14338848.48	39°29'9.1995"N	80°58'26.5411"W	6.34	277.067	1.63	1.49	-34.17	
689.00	4.170	271.770	688.77	-4.34	1.08	-10.22	1647737.51	14338848.78	39°29'9.2024"N	80°58'26.5912"W	10.28	276.011	1.78	1.68	-9.56	
779.00	5.630	270.400	778.44	-6.96	1.21	-17.90	1647729.82	14338848.91	39°29'9.2037"N	80°58'26.6893"W	17.95	273.860	1.63	1.62	-1.52	
869.00	5.600	271.830	868.01	-9.98	1.38	-26.71	1647721.02	14338849.08	39°29'9.2055"N	80°58'26.8015"W	26.74	272.956	0.16	-0.03	1.59	
958.00	5.810	271.040	956.57	-13.06	1.60	-35.55	1647712.18	14338849.30	39°29'9.2077"N	80°58'26.9143"W	35.59	272.576	0.25	0.24	-0.89	
1049.00	4.490	267.540	1047.20	-15.65	1.53	-43.72	1647704.02	14338849.23	39°29'9.2070"N	80°58'27.0185"W	43.74	272.005	1.49	-1.45	-3.85	
1144.00	3.820	266.710	1141.95	-17.56	1.19	-50.59	1647697.15	14338848.89	39°29'9.2037"N	80°58'27.1061"W	50.60	271.346	0.71	-0.71	-0.87	
1239.00	4.050	264.880	1236.72	-19.22	0.71	-57.09	1647690.65	14338848.41	39°29'9.1989"N	80°58'27.1891"W	57.10	270.710	0.28	0.24	-1.93	
1333.00	2.580	271.000	1330.56	-20.74	0.45	-62.51	1647685.23	14338848.15	39°29'9.1964"N	80°58'27.2582"W	62.52	270.411	1.61	-1.56	6.51	
1428.00	2.150	278.460	1425.48	-22.29	0.75	-66.41	1647681.33	14338848.45	39°29'9.1993"N	80°58'27.3080"W	66.42	270.645	0.56	-0.45	7.85	
1522.00	2.460	273.970	1519.41	-23.88	1.15	-70.17	1647677.58	14338848.85	39°29'9.2033"N	80°58'27.3559"W	70.18	270.937	0.38	0.33	-4.78	
1617.00	1.160	251.250	1614.36	-24.68	0.98	-73.12	1647674.63	14338848.68	39°29'9.2016"N	80°58'27.3934"W	73.12	270.767	1.54	-1.37	-23.92	
1712.00	0.800	224.060	1709.34	-24.38	0.19	-74.49	1647673.26	14338847.89	39°29'9.1939"N	80°58'27.4109"W	74.49	270.149	0.61	-0.38	-28.62	
1806.00	0.820	230.850	1803.33	-23.85	-0.70	-75.47	1647672.29	14338847.00	39°29'9.1850"N	80°58'27.4234"W	75.47	269.466	0.10	0.02	7.22	
1901.00	0.840	226.250	1898.32	-23.33	-1.61	-76.50	1647671.26	14338846.09	39°29'9.1760"N	80°58'27.4365"W	76.51	268.792	0.07	0.02	-4.84	
1996.00	1.010	220.520	1993.31	-22.61	-2.73	-77.54	1647670.21	14338844.97	39°29'9.1650"N	80°58'27.4499"W	77.59	267.983	0.20	0.18	-6.03	
2090.00	0.950	233.840	2087.30	-21.96	-3.82	-78.71	1647669.04	14338843.88	39°29'9.1542"N	80°58'27.4648"W	78.80	267.221	0.25	-0.06	14.17	
2185.00	0.500	163.600	2182.29	-21.31	-4.68	-79.23	1647668.52	14338843.02	39°29'9.1457"N	80°58'27.4714"W	79.37	266.617	0.96	-0.47	-73.94	
2279.00	0.740	103.430	2276.29	-20.58	-5.22	-78.52	1647669.23	14338842.48	39°29'9.1404"N	80°58'27.4624"W	78.70	266.198	0.70	0.26	-64.01	
2374.00	0.710	111.310	2371.28	-19.87	-5.57	-77.38	1647670.37	14338842.13	39°29'9.1369"N	80°58'27.4478"W	77.58	265.880	0.11	-0.03	8.29	
2469.00	0.400	131.640	2466.28	-19.20	-6.01	-76.58	1647671.17	14338841.69	39°29'9.1326"N	80°58'27.4377"W	76.82	265.514	0.38	-0.33	21.40	
2536.00	0.490	100.120	2533.27	-18.86	-6.21	-76.12	1647671.63	14338841.49	39°29'9.1306"N	80°58'27.4318"W	76.38	265.333	0.38	0.13	-47.04	
2661.00	0.200	81.630	2658.27	-18.56	-6.28	-75.38	1647672.37	14338841.43	39°29'9.1299"N	80°58'27.4224"W	75.64	265.240	0.25	-0.23	-14.79	APS EM <8-3/4"> (2536')(2661'-5598')



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'
Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (178 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]	
2756.00	2.640	226.780	2753.24	-17.63	-7.75	-76.81	1647670.94	14338839.95	39°29'9.1154"N	80°58'27.4406"W	77.20	264.238	2.95	2.57	152.79	
2850.00	6.310	239.620	2846.94	-15.71	-11.85	-82.85	1647664.90	14338835.86	39°29'9.0749"N	80°58'27.5176"W	83.69	261.862	4.02	3.90	13.66	
2945.00	5.880	266.100	2941.42	-15.94	-14.82	-92.21	1647655.55	14338832.89	39°29'9.0456"N	80°58'27.6370"W	93.39	260.870	2.97	-0.45	27.87	
3040.00	8.370	278.570	3035.69	-20.41	-14.12	-103.90	1647643.86	14338833.59	39°29'9.0525"N	80°58'27.7862"W	104.86	262.261	3.07	2.62	13.13	
3134.00	11.710	277.730	3128.23	-27.85	-11.82	-120.13	1647627.64	14338835.89	39°29'9.0753"N	80°58'27.9931"W	120.71	264.382	3.56	3.55	-0.89	
3231.00	15.080	273.160	3222.58	-37.03	-9.80	-142.49	1647605.29	14338837.91	39°29'9.0953"N	80°58'28.2782"W	142.82	266.067	3.64	3.47	-4.71	
3326.00	17.940	270.950	3313.66	-46.67	-8.87	-169.46	1647578.33	14338838.83	39°29'9.1046"N	80°58'28.6223"W	169.69	267.003	3.08	3.01	-2.33	
3421.00	20.290	270.650	3403.41	-57.18	-8.44	-200.56	1647547.24	14338839.26	39°29'9.1089"N	80°58'29.0190"W	200.74	267.590	2.48	2.47	-0.32	
3515.00	20.370	268.830	3491.56	-67.65	-8.59	-233.22	1647514.60	14338839.11	39°29'9.1075"N	80°58'29.4354"W	233.38	267.890	0.68	0.09	-1.94	
3610.00	18.750	265.260	3581.08	-76.45	-10.19	-264.97	1647482.86	14338837.51	39°29'9.0918"N	80°58'29.8404"W	265.16	267.797	2.12	-1.71	-3.76	
3705.00	17.830	262.760	3671.28	-83.16	-13.29	-294.61	1647453.22	14338834.42	39°29'9.0613"N	80°58'30.2185"W	294.91	267.418	1.27	-0.97	-2.63	
3799.00	17.190	259.970	3760.92	-88.24	-17.52	-322.57	1647425.28	14338830.19	39°29'9.0195"N	80°58'30.5751"W	323.04	266.891	1.12	-0.68	-2.97	
3894.00	16.020	259.330	3851.96	-92.31	-22.39	-349.28	1647398.58	14338825.32	39°29'8.9714"N	80°58'30.9157"W	349.99	266.332	1.25	-1.23	-0.67	
3989.00	17.670	253.310	3942.89	-94.77	-28.96	-375.97	1647371.90	14338818.75	39°29'8.9066"N	80°58'31.2562"W	377.09	265.595	2.53	1.74	-6.34	
4083.00	18.760	247.970	4032.18	-94.52	-38.73	-403.65	1647344.23	14338808.99	39°29'8.8101"N	80°58'31.6093"W	405.51	264.520	2.12	1.16	-5.68	
4178.00	18.420	243.840	4122.23	-91.82	-51.08	-431.29	1647316.61	14338796.65	39°29'8.6882"N	80°58'31.9618"W	434.30	263.246	1.43	-0.36	-4.35	
4273.00	17.000	239.730	4212.73	-87.22	-64.69	-456.75	1647291.15	14338783.03	39°29'8.5536"N	80°58'32.2866"W	461.31	261.938	1.99	-1.49	-4.33	
4367.00	16.840	245.770	4302.67	-83.27	-77.21	-481.04	1647266.87	14338770.52	39°29'8.4300"N	80°58'32.5964"W	487.20	260.881	1.88	-0.17	6.43	
4462.00	18.620	249.700	4393.15	-81.65	-88.12	-507.82	1647240.11	14338759.61	39°29'8.3222"N	80°58'32.9380"W	515.40	260.156	2.26	1.87	4.14	
4557.00	17.940	247.400	4483.36	-80.37	-99.01	-535.55	1647212.39	14338748.73	39°29'8.2147"N	80°58'33.2917"W	544.62	259.526	1.04	-0.72	-2.42	
4651.00	16.920	241.840	4573.05	-77.26	-111.03	-560.98	1647186.97	14338736.72	39°29'8.0960"N	80°58'33.6161"W	571.86	258.805	2.08	-1.09	-5.91	
4746.00	16.120	236.230	4664.13	-71.68	-124.88	-584.13	1647163.83	14338722.87	39°29'7.9591"N	80°58'33.9114"W	597.33	257.932	1.88	-0.84	-5.91	
4841.00	16.470	239.050	4755.32	-65.51	-139.14	-606.64	1647141.32	14338708.62	39°29'7.8183"N	80°58'34.1986"W	622.39	257.082	0.91	0.37	2.97	
4935.00	17.750	245.530	4845.16	-61.37	-151.93	-631.11	1647116.86	14338695.83	39°29'7.6919"N	80°58'34.5108"W	649.14	256.465	2.44	1.36	6.89	
5030.00	19.220	250.940	4935.27	-59.95	-163.03	-659.08	1647088.91	14338684.73	39°29'7.5822"N	80°58'34.8674"W	678.94	256.106	2.38	1.55	5.69	
5124.00	19.430	256.600	5023.98	-61.44	-171.71	-688.91	1647059.08	14338676.06	39°29'7.4965"N	80°58'35.2480"W	709.99	256.004	2.00	0.22	6.02	
5219.00	19.050	252.330	5113.68	-63.32	-180.08	-719.06	1647028.95	14338667.69	39°29'7.4139"N	80°58'35.6325"W	741.26	255.940	1.53	-0.40	-4.49	
5314.00	18.570	248.120	5203.61	-62.90	-190.42	-747.87	1647000.15	14338657.35	39°29'7.3118"N	80°58'36.0000"W	771.73	255.715	1.52	-0.51	-4.43	
5409.00	19.130	251.520	5293.51	-62.26	-200.99	-776.67	1646971.36	14338646.79	39°29'7.2073"N	80°58'36.3674"W	802.26	255.491	1.30	0.59	3.58	
5503.00	15.720	252.490	5383.19	-62.71	-209.71	-803.43	1646944.61	14338638.07	39°29'7.1213"N	80°58'36.7087"W	830.35	255.371	3.64	-3.63	1.03	



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'
Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (178 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
5598.00	14.910	247.510	5474.82	-62.28	-218.26	-827.00	1646921.05	14338629.53	39°29'7.0369"N	80°58'37.0093"W	855.31	255.216	1.63	-0.85	-5.24	
5705.00	18.100	220.590	5577.54	-52.99	-236.18	-850.57	1646897.49	14338611.62	39°29'6.8598"N	80°58'37.3100"W	882.75	254.482	7.66	2.98	-25.16	BH AT Curve <8-1/2"> (5598')(5705'-16007')
5800.00	25.050	201.340	5665.94	-30.12	-266.19	-867.53	1646880.53	14338581.62	39°29'6.5632"N	80°58'37.5264"W	907.45	252.942	10.35	7.32	-20.26	
5895.00	31.930	183.200	5749.54	8.60	-310.14	-876.28	1646871.79	14338537.68	39°29'6.1289"N	80°58'37.6382"W	929.55	250.510	11.57	7.24	-19.09	
5990.00	40.040	168.300	5826.50	62.37	-365.34	-871.47	1646876.60	14338482.50	39°29'5.5833"N	80°58'37.5770"W	944.95	247.255	12.51	8.54	-15.68	
5993.00†	40.349	168.170	5828.79	64.30	-367.24	-871.08	1646876.99	14338480.61	39°29'5.5645"N	80°58'37.5719"W	945.32	247.140	10.67	10.29	-4.33	Sycamore: 5993' MD
6084.00	49.770	164.860	5893.01	128.34	-429.75	-855.93	1646892.14	14338418.12	39°29'4.9466"N	80°58'37.3789"W	957.76	243.339	10.67	10.35	-3.64	
6145.00†	56.684	163.900	5929.50	177.09	-476.78	-842.76	1646905.30	14338371.12	39°29'4.4819"N	80°58'37.2112"W	968.28	240.502	11.40	11.33	-1.57	Middlesex: 6145' MD
6179.00	60.540	163.430	5947.21	206.08	-504.62	-834.60	1646913.46	14338343.28	39°29'4.2066"N	80°58'37.1071"W	975.29	238.842	11.40	11.34	-1.38	
6217.00	64.930	163.340	5964.61	239.82	-536.98	-824.94	1646923.11	14338310.93	39°29'3.8868"N	80°58'36.9841"W	984.32	236.939	11.55	11.55	-0.24	
6274.00	66.780	161.700	5987.93	291.81	-586.59	-809.31	1646938.73	14338261.35	39°29'3.3965"N	80°58'36.7849"W	999.54	234.066	4.17	3.25	-2.88	
6319.00	66.910	159.690	6005.62	333.18	-625.63	-795.64	1646952.40	14338222.32	39°29'3.0105"N	80°58'36.6106"W	1012.15	231.821	4.12	0.29	-4.47	
6324.00†	67.158	159.605	6007.58	337.78	-629.95	-794.03	1646954.00	14338218.00	39°29'2.9679"N	80°58'36.5902"W	1013.57	231.573	5.20	4.96	-1.70	Burkett: 6324' MD
6368.00	69.340	158.870	6023.88	378.63	-668.16	-779.55	1646968.49	14338179.81	39°29'2.5902"N	80°58'36.4056"W	1026.71	229.400	5.20	4.96	-1.67	
6394.00†	71.184	159.140	6032.66	403.08	-691.01	-770.78	1646977.25	14338156.97	39°29'2.3644"N	80°58'36.2938"W	1035.18	228.124	7.16	7.09	1.04	Marcellus POE: 6394' MD
6463.00	76.080	159.830	6052.10	469.24	-752.99	-747.59	1647000.43	14338095.01	39°29'1.7516"N	80°58'35.9983"W	1061.08	224.794	7.16	7.10	1.00	
6558.00	83.340	162.200	6069.06	562.65	-841.32	-717.23	1647030.78	14338006.71	39°29'0.8786"N	80°58'35.6113"W	1105.55	220.447	8.03	7.64	2.49	
6653.00	89.290	163.220	6075.16	657.36	-931.80	-689.06	1647058.93	14337916.27	39°28'59.9843"N	80°58'35.2525"W	1158.91	216.483	6.35	6.26	1.07	
6747.00	89.230	163.480	6076.38	751.28	-1021.85	-662.13	1647085.85	14337826.26	39°28'59.0942"N	80°58'34.9093"W	1217.62	212.942	0.28	-0.06	0.28	
6842.00	89.050	163.150	6077.80	846.19	-1112.84	-634.86	1647113.11	14337735.30	39°28'58.1948"N	80°58'34.5618"W	1281.20	209.704	0.40	-0.19	-0.35	
6937.00	89.350	163.390	6079.13	941.11	-1203.81	-607.52	1647140.45	14337644.37	39°28'57.2957"N	80°58'34.2133"W	1348.42	206.778	0.40	0.32	0.25	
7031.00	89.750	163.310	6079.87	1035.03	-1293.87	-580.58	1647167.37	14337554.35	39°28'56.4055"N	80°58'33.8702"W	1418.16	204.167	0.43	0.43	-0.09	
7126.00	89.350	163.360	6080.61	1129.95	-1384.88	-553.34	1647194.60	14337463.38	39°28'55.5060"N	80°58'33.5230"W	1491.33	201.780	0.42	-0.42	0.05	
7221.00	89.170	159.950	6081.84	1224.93	-1475.03	-523.45	1647224.48	14337373.27	39°28'54.6149"N	80°58'33.1421"W	1565.15	199.538	3.59	-0.19	-3.59	
7316.00	90.090	159.480	6082.45	1319.90	-1564.13	-490.51	1647257.40	14337284.20	39°28'53.7342"N	80°58'32.7224"W	1639.24	197.412	1.09	0.97	-0.49	
7410.00	89.850	157.960	6082.50	1413.82	-1651.72	-456.40	1647291.50	14337196.64	39°28'52.8684"N	80°58'32.2876"W	1713.62	195.446	1.64	-0.26	-1.62	
7505.00	89.510	158.060	6083.03	1508.68	-1739.81	-420.83	1647327.06	14337108.59	39°28'51.9977"N	80°58'31.8343"W	1789.98	193.598	0.37	-0.36	0.11	
7599.00	89.660	158.940	6083.72	1602.59	-1827.26	-386.38	1647361.50	14337021.17	39°28'51.1333"N	80°58'31.3952"W	1867.67	191.939	0.95	0.16	0.94	
7694.00	89.570	159.830	6084.35	1697.55	-1916.18	-352.93	1647394.93	14336932.29	39°28'50.2544"N	80°58'30.9690"W	1948.41	190.436	0.94	-0.09	0.94	
7789.00	89.420	160.370	6085.19	1792.53	-2005.50	-320.60	1647427.25	14336843.01	39°28'49.3715"N	80°58'30.5569"W	2030.96	189.082	0.59	-0.16	0.57	



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'
Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (178 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]	
7883.00	89.630	159.540	6085.97	1886.51	-2093.80	-288.38	1647459.46	14336754.74	39°28'48.4987"N	80°58'30.1463"W	2113.57	187.842	0.91	0.22	-0.88	
7978.00	89.170	160.980	6086.96	1981.49	-2183.21	-256.30	1647491.53	14336665.37	39°28'47.6149"N	80°58'29.7375"W	2198.20	186.696	1.59	-0.48	1.52	
8073.00	89.140	160.230	6088.37	2076.48	-2272.81	-224.75	1647523.06	14336575.80	39°28'46.7293"N	80°58'29.3355"W	2283.90	185.647	0.79	-0.03	-0.79	
8167.00	89.820	161.900	6089.22	2170.47	-2361.72	-194.25	1647553.55	14336486.93	39°28'45.8505"N	80°58'28.9469"W	2369.69	184.702	1.92	0.72	1.78	
8262.00	90.000	163.310	6089.37	2265.43	-2452.37	-165.85	1647581.94	14336396.32	39°28'44.9545"N	80°58'28.5850"W	2457.97	183.869	1.50	0.19	1.48	
8357.00	89.510	163.880	6089.77	2360.34	-2543.50	-139.02	1647608.75	14336305.22	39°28'44.0537"N	80°58'28.2432"W	2547.30	183.129	0.79	-0.52	0.60	
8451.00	89.750	162.910	6090.38	2454.25	-2633.58	-112.16	1647635.61	14336215.18	39°28'43.1634"N	80°58'27.9009"W	2635.97	182.439	1.06	0.26	-1.03	
8546.00	89.230	160.680	6091.23	2549.23	-2723.81	-82.48	1647665.27	14336124.98	39°28'42.2715"N	80°58'27.5228"W	2725.06	181.735	2.41	-0.55	-2.35	
8640.00	89.170	160.360	6092.54	2643.22	-2812.42	-51.14	1647696.60	14336036.41	39°28'41.3956"N	80°58'27.1234"W	2812.89	181.042	0.35	-0.06	-0.34	
8735.00	90.710	162.340	6092.64	2738.21	-2902.43	-20.76	1647726.97	14335946.44	39°28'40.5060"N	80°58'26.7363"W	2902.50	180.410	2.64	1.62	2.08	
8829.00	89.450	161.870	6092.51	2832.19	-2991.88	8.12	1647755.84	14335857.02	39°28'39.6218"N	80°58'26.3683"W	2991.89	179.844	1.43	-1.34	-0.50	
8924.00	89.660	162.610	6093.25	2927.17	-3082.35	37.10	1647784.80	14335766.59	39°28'38.7276"N	80°58'25.9991"W	3082.57	179.310	0.81	0.22	0.78	
9018.00	89.880	162.800	6093.62	3021.13	-3172.10	65.04	1647812.74	14335676.88	39°28'37.8405"N	80°58'25.6431"W	3172.76	178.825	0.31	0.23	0.20	
9113.00	89.380	162.410	6094.24	3116.09	-3262.75	93.44	1647841.13	14335586.26	39°28'36.9445"N	80°58'25.2813"W	3264.09	178.360	0.67	-0.53	-0.41	
9208.00	89.230	161.400	6095.39	3211.07	-3353.04	122.95	1647870.62	14335496.00	39°28'36.0520"N	80°58'24.9054"W	3355.30	177.900	1.07	-0.16	-1.06	
9303.00	89.880	162.840	6096.13	3306.05	-3443.45	152.11	1647899.77	14335405.63	39°28'35.1584"N	80°58'24.5338"W	3446.81	177.471	1.66	0.68	1.52	
9397.00	89.450	162.330	6096.68	3400.01	-3533.14	180.24	1647927.89	14335315.98	39°28'34.2718"N	80°58'24.1753"W	3537.73	177.080	0.71	-0.46	-0.54	
9492.00	89.630	162.270	6097.44	3494.99	-3623.64	209.13	1647956.76	14335225.52	39°28'33.3773"N	80°58'23.8074"W	3629.67	176.697	0.20	0.19	-0.06	
9586.00	90.520	163.470	6097.32	3588.94	-3713.47	236.81	1647984.44	14335135.73	39°28'32.4894"N	80°58'23.4546"W	3721.01	176.351	1.59	0.95	1.28	
9681.00	89.940	163.170	6096.93	3683.86	-3804.47	264.08	1648011.69	14335044.76	39°28'31.5899"N	80°58'23.1073"W	3813.62	176.029	0.69	-0.61	-0.32	
9775.00	89.420	162.930	6097.46	3777.80	-3894.38	291.48	1648039.09	14334954.88	39°28'30.7012"N	80°58'22.7582"W	3905.27	175.720	0.61	-0.55	-0.26	
9870.00	89.720	162.560	6098.17	3872.76	-3985.10	319.66	1648067.25	14334864.20	39°28'29.8045"N	80°58'22.3992"W	3997.90	175.414	0.50	0.32	-0.39	
9965.00	89.780	163.090	6098.59	3967.71	-4075.87	347.72	1648095.30	14334773.47	39°28'28.9074"N	80°58'22.0418"W	4090.67	175.124	0.56	0.06	0.56	
10059.00	89.480	162.650	6099.19	4061.66	-4165.69	375.40	1648122.97	14334683.68	39°28'28.0195"N	80°58'21.6891"W	4182.57	174.851	0.57	-0.32	-0.47	
10154.00	89.820	160.550	6099.77	4156.65	-4255.83	405.39	1648152.94	14334593.58	39°28'27.1285"N	80°58'21.3071"W	4275.09	174.559	2.24	0.36	-2.21	
10248.00	89.750	159.390	6100.13	4250.63	-4344.14	437.58	1648185.13	14334505.30	39°28'26.2556"N	80°58'20.8968"W	4366.13	174.248	1.24	-0.07	-1.23	
10343.00	89.540	159.800	6100.72	4345.59	-4433.18	470.70	1648218.23	14334416.30	39°28'25.3755"N	80°58'20.4748"W	4458.10	173.939	0.48	-0.22	0.43	
10438.00	89.380	160.440	6101.61	4440.58	-4522.51	503.01	1648250.52	14334327.00	39°28'24.4925"N	80°58'20.0633"W	4550.40	173.653	0.69	-0.17	0.67	
10532.00	89.600	160.760	6102.45	4534.57	-4611.17	534.23	1648281.73	14334238.38	39°28'23.6161"N	80°58'19.6655"W	4642.02	173.391	0.41	0.23	0.34	
10627.00	89.540	160.920	6103.16	4629.57	-4700.91	565.41	1648312.90	14334148.68	39°28'22.7292"N	80°58'19.2682"W	4734.79	173.142	0.18	-0.06	0.17	



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'
Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (178 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
10722.00	89.910	160.420	6103.62	4724.56	-4790.55	596.85	1648344.33	14334059.07	39°28'21.8431"N	80°58'18.8676"W	4827.59	172.898	0.65	0.39	-0.53	
10816.00	89.690	160.540	6103.95	4818.56	-4879.15	628.26	1648375.73	14333970.51	39°28'20.9673"N	80°58'18.4674"W	4919.43	172.663	0.27	-0.23	0.13	
10911.00	89.780	161.060	6104.38	4913.56	-4968.86	659.50	1648406.96	14333880.84	39°28'20.0806"N	80°58'18.0694"W	5012.44	172.439	0.56	0.09	0.55	
11005.00	89.690	161.050	6104.82	5007.56	-5057.77	690.02	1648437.46	14333791.96	39°28'19.2018"N	80°58'17.6806"W	5104.62	172.231	0.10	-0.10	-0.01	
11099.00	89.020	161.680	6105.88	5101.55	-5146.83	720.05	1648467.48	14333702.93	39°28'18.3214"N	80°58'17.2980"W	5196.96	172.036	0.98	-0.71	0.67	
11194.00	90.310	161.030	6106.43	5196.54	-5236.84	750.42	1648497.84	14333612.96	39°28'17.4317"N	80°58'16.9111"W	5290.34	171.845	1.52	1.36	-0.68	
11289.00	89.880	160.850	6106.28	5291.54	-5326.64	781.45	1648528.85	14333523.20	39°28'16.5442"N	80°58'16.5159"W	5383.65	171.654	0.49	-0.45	-0.19	
11384.00	89.080	160.800	6107.14	5386.54	-5416.36	812.65	1648560.04	14333433.52	39°28'15.6573"N	80°58'16.1184"W	5476.99	171.467	0.84	-0.84	-0.05	
11478.00	88.950	160.730	6108.75	5480.52	-5505.10	843.61	1648590.99	14333344.81	39°28'14.7801"N	80°58'15.7239"W	5569.36	171.288	0.16	-0.14	-0.07	
11573.00	89.020	160.200	6110.44	5575.50	-5594.62	875.37	1648622.74	14333255.33	39°28'13.8953"N	80°58'15.3193"W	5662.69	171.107	0.56	0.07	-0.56	
11667.00	89.600	161.160	6111.57	5669.49	-5683.32	906.47	1648653.83	14333166.67	39°28'13.0185"N	80°58'14.9231"W	5755.15	170.938	1.19	0.62	1.02	
11762.00	89.750	160.920	6112.11	5764.49	-5773.16	937.34	1648684.68	14333076.86	39°28'12.1305"N	80°58'14.5299"W	5848.76	170.778	0.30	0.16	-0.25	
11857.00	90.000	160.830	6112.31	5859.49	-5862.92	968.46	1648715.79	14332987.14	39°28'11.2433"N	80°58'14.1334"W	5942.37	170.620	0.28	0.26	-0.09	
11951.00	89.690	160.920	6112.57	5953.49	-5951.73	999.26	1648746.58	14332898.36	39°28'10.3654"N	80°58'13.7411"W	6035.03	170.469	0.34	-0.33	0.10	
12045.00	89.540	160.840	6113.20	6047.49	-6040.54	1030.05	1648777.35	14332809.59	39°28'9.4875"N	80°58'13.3488"W	6127.73	170.323	0.18	-0.16	-0.09	
12139.00	89.420	161.060	6114.05	6141.48	-6129.39	1060.73	1648808.02	14332720.77	39°28'8.6093"N	80°58'12.9580"W	6220.49	170.182	0.27	-0.13	0.23	
12233.00	89.630	161.060	6114.83	6235.48	-6218.30	1091.24	1648838.52	14332631.90	39°28'7.7305"N	80°58'12.5694"W	6313.32	170.047	0.22	0.22	0.00	
12328.00	89.290	161.240	6115.73	6330.47	-6308.20	1121.93	1648869.20	14332542.04	39°28'6.8419"N	80°58'12.1784"W	6407.19	169.915	0.40	-0.36	0.19	
12423.00	89.230	161.010	6116.95	6425.47	-6398.08	1152.66	1648899.91	14332452.19	39°28'5.9534"N	80°58'11.7869"W	6501.08	169.787	0.25	-0.06	-0.24	
12517.00	91.320	162.560	6116.50	6519.45	-6487.36	1182.04	1648929.28	14332362.95	39°28'5.0709"N	80°58'11.4127"W	6594.17	169.674	2.77	2.22	1.65	
12612.00	89.260	161.000	6116.02	6614.43	-6577.59	1211.74	1648958.97	14332272.75	39°28'4.1791"N	80°58'11.0344"W	6688.27	169.562	2.72	-2.17	-1.64	
12707.00	89.420	160.760	6117.12	6709.42	-6667.34	1242.85	1648990.07	14332183.04	39°28'3.2919"N	80°58'10.6380"W	6782.19	169.441	0.30	0.17	-0.25	
12801.00	89.320	159.580	6118.15	6803.41	-6755.76	1274.74	1649021.95	14332094.65	39°28'2.4179"N	80°58'10.2318"W	6874.98	169.315	1.26	-0.11	-1.26	
12896.00	89.570	159.350	6119.07	6898.37	-6844.72	1308.06	1649055.26	14332005.73	39°28'1.5386"N	80°58'9.8073"W	6968.59	169.181	0.36	0.26	-0.24	
12991.00	89.780	160.040	6119.61	6993.34	-6933.82	1341.03	1649088.21	14331916.67	39°28'0.6579"N	80°58'9.3874"W	7062.31	169.054	0.76	0.22	0.73	
13085.00	89.750	160.030	6120.00	7087.32	-7022.17	1373.12	1649120.29	14331828.36	39°27'59.7846"N	80°58'8.9785"W	7155.16	168.936	0.03	-0.03	-0.01	
13180.00	89.480	159.610	6120.63	7182.30	-7111.33	1405.89	1649153.05	14331739.23	39°27'58.9032"N	80°58'8.5610"W	7248.97	168.817	0.53	-0.28	-0.44	
13275.00	89.350	159.960	6121.60	7277.27	-7200.48	1438.72	1649185.86	14331650.12	39°27'58.0221"N	80°58'8.1429"W	7342.80	168.701	0.39	-0.14	0.37	
13370.00	89.720	159.370	6122.37	7372.24	-7289.55	1471.73	1649218.86	14331561.08	39°27'57.1416"N	80°58'7.7224"W	7436.64	168.586	0.73	0.39	-0.62	
13465.00	89.570	159.990	6122.96	7467.21	-7378.64	1504.72	1649251.84	14331472.03	39°27'56.2610"N	80°58'7.3021"W	7530.50	168.474	0.67	-0.16	0.65	



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'
Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (178 stations) † = interpolated, ‡ = extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
13559.00	89.480	159.890	6123.74	7561.19	-7466.93	1536.96	1649284.06	14331383.77	39°27'55.3882"N	80°58'6.8914"W	7623.47	168.369	0.14	-0.10	-0.11	
13654.00	89.660	160.010	6124.46	7656.17	-7556.17	1569.53	1649316.62	14331294.57	39°27'54.5061"N	80°58'6.4766"W	7717.46	168.266	0.23	0.19	0.13	
13748.00	89.660	159.900	6125.01	7750.15	-7644.48	1601.75	1649348.83	14331206.30	39°27'53.6333"N	80°58'6.0662"W	7810.48	168.166	0.12	0.00	-0.12	
13843.00	89.780	159.910	6125.48	7845.13	-7733.69	1634.39	1649381.45	14331117.12	39°27'52.7514"N	80°58'5.6504"W	7904.51	168.067	0.13	0.13	0.01	
13937.00	89.570	159.990	6126.01	7939.11	-7821.99	1666.62	1649413.67	14331028.85	39°27'51.8786"N	80°58'5.2399"W	7997.57	167.972	0.24	-0.22	0.09	
14032.00	89.510	159.700	6126.77	8034.09	-7911.17	1699.35	1649446.38	14330939.71	39°27'50.9970"N	80°58'4.8230"W	8091.63	167.877	0.31	-0.06	-0.31	
14126.00	89.450	159.520	6127.63	8128.06	-7999.28	1732.10	1649479.12	14330851.64	39°27'50.1261"N	80°58'4.4058"W	8184.66	167.782	0.20	-0.06	-0.19	
14221.00	89.780	159.700	6128.27	8223.02	-8088.32	1765.19	1649512.20	14330762.63	39°27'49.2459"N	80°58'3.9842"W	8278.70	167.689	0.40	0.35	0.19	
14316.00	89.780	160.020	6128.63	8318.00	-8177.52	1797.90	1649544.90	14330673.47	39°27'48.3643"N	80°58'3.5676"W	8372.83	167.600	0.34	0.00	0.34	
14410.00	89.690	159.720	6129.06	8411.98	-8265.77	1830.25	1649577.24	14330585.25	39°27'47.4919"N	80°58'3.1555"W	8465.98	167.515	0.33	-0.10	-0.32	
14505.00	89.600	159.420	6129.65	8506.95	-8354.79	1863.41	1649610.39	14330496.26	39°27'46.6120"N	80°58'2.7331"W	8560.08	167.427	0.33	-0.09	-0.32	
14600.00	89.630	159.140	6130.29	8601.90	-8443.65	1897.02	1649643.98	14330407.45	39°27'45.7337"N	80°58'2.3050"W	8654.13	167.338	0.30	0.03	-0.29	
14694.00	89.750	159.730	6130.80	8695.86	-8531.66	1930.04	1649676.99	14330319.47	39°27'44.8637"N	80°58'1.8844"W	8747.24	167.253	0.64	0.13	0.63	
14789.00	89.320	159.800	6131.57	8790.84	-8620.79	1962.90	1649709.83	14330230.38	39°27'43.9827"N	80°58'1.4659"W	8841.44	167.173	0.46	-0.45	0.07	
14883.00	89.260	159.740	6132.74	8884.81	-8708.98	1995.40	1649742.32	14330142.22	39°27'43.1109"N	80°58'1.0519"W	8934.65	167.095	0.09	-0.06	-0.06	
14978.00	89.380	159.880	6133.86	8979.78	-8798.14	2028.19	1649775.09	14330053.10	39°27'42.2296"N	80°58'0.6343"W	9028.89	167.019	0.19	0.13	0.15	
15073.00	89.350	160.640	6134.92	9074.76	-8887.55	2060.27	1649807.16	14329963.72	39°27'41.3458"N	80°58'0.2257"W	9123.23	166.948	0.80	-0.03	0.80	
15168.00	89.570	161.430	6135.81	9169.76	-8977.39	2091.14	1649838.02	14329873.92	39°27'40.4578"N	80°57'59.8325"W	9217.72	166.888	0.86	0.23	0.83	
15263.00	89.540	160.520	6136.55	9264.75	-9067.20	2122.11	1649868.98	14329784.15	39°27'39.5701"N	80°57'59.4381"W	9312.22	166.827	0.96	-0.03	-0.96	
15357.00	89.480	160.400	6137.35	9358.74	-9155.78	2153.55	1649900.40	14329695.60	39°27'38.6944"N	80°57'59.0377"W	9405.64	166.764	0.14	-0.06	-0.13	
15452.00	89.510	160.890	6138.19	9453.74	-9245.41	2185.03	1649931.87	14329606.01	39°27'37.8085"N	80°57'58.6367"W	9500.10	166.703	0.52	0.03	0.52	
15546.00	89.660	162.190	6138.87	9547.73	-9334.57	2214.80	1649961.63	14329516.89	39°27'36.9272"N	80°57'58.2577"W	9593.72	166.652	1.39	0.16	1.38	
15641.00	89.600	162.070	6139.49	9642.71	-9424.98	2243.95	1649990.76	14329426.51	39°27'36.0335"N	80°57'57.8865"W	9688.42	166.608	0.14	-0.06	-0.13	
15736.00	89.630	162.050	6140.12	9737.69	-9515.36	2273.21	1650020.01	14329336.16	39°27'35.1401"N	80°57'57.5138"W	9783.13	166.564	0.04	0.03	-0.02	
15830.00	89.630	161.950	6140.73	9831.68	-9604.76	2302.25	1650049.05	14329246.80	39°27'34.2564"N	80°57'57.1439"W	9876.83	166.521	0.11	0.00	-0.11	
15925.00	89.480	161.890	6141.47	9926.66	-9695.06	2331.74	1650078.52	14329156.53	39°27'33.3638"N	80°57'56.7685"W	9971.52	166.477	0.17	-0.16	-0.06	
16007.00	89.510	162.040	6142.19	10008.65	-9773.03	2357.12	1650103.90	14329078.60	39°27'32.5931"N	80°57'56.4452"W	10053.27	166.440	0.19	0.04	0.18	
16032.00‡	89.510	162.040	6142.40	10033.65	-9796.81	2364.83	1650111.60	14329054.82	39°27'32.3580"N	80°57'56.3471"W	10078.19	166.429	0.00	0.00	0.00	Projected MD at TD: 16032'



Actual Wellpath Report
 Roy Unit 1H AWP Proj: 16032'
 Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

HOLE & CASING SECTIONS - Ref Wellbore: Roy Unit 1H AWB Ref Wellpath: Roy Unit 1H AWP Proj: 16032'									
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	30.00	130.00	100.00	30.00	130.00	0.00	0.00	0.14	0.00
17.5in Open Hole	130.00	410.00	280.00	130.00	409.99	0.14	0.00	-0.69	-1.02
13.375in Casing Surface	30.00	390.00	360.00	30.00	389.99	0.00	0.00	-0.71	-0.92
12.25in Open Hole	410.00	2616.00	2206.00	409.99	2613.27	-0.69	-1.02	-6.28	-75.58
9.625in Casing Intermediate	30.00	2596.00	2566.00	30.00	2593.27	0.00	0.00	-6.28	-75.69
8.75in Open Hole	2616.00	5711.00	3095.00	2613.27	5583.24	-6.28	-75.58	-237.62	-851.78
8.5in Open Hole	5711.00	16032.00	10321.00	5583.24	6142.40	-237.62	-851.78	-9796.81	2364.83
5.5in Casing Production	30.00	16032.00	16002.00	30.00	6142.40	0.00	0.00	-9796.81	2364.83



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Roy Unit 1H POE Rev-1	6023.00	-1054.47	-664.46	1647083.53	14337793.65	39°28'58.7718"N	80°58'34.9390"W	point
Roy Unit 1H POE Rev-2	6033.00	-706.78	-783.90	1646964.14	14338141.21	39°29'2.2085"N	80°58'36.4612"W	point
Roy Unit 1H BHL Rev-2	6077.00	-9803.20	2340.87	1650087.65	14329048.44	39°27'32.2950"N	80°57'56.6526"W	point
Roy Unit 1H LP Rev-2	6077.00	-940.53	-703.60	1647044.41	14337907.54	39°28'59.8980"N	80°58'35.4378"W	point
Roy Unit 1H 50' L/R Hard Line Rev-2	6500.00	-5254.99	778.49	1648525.90	14333594.82	39°28'17.2523"N	80°58'16.5533"W	rectangle
2D Rectangle 9618.16 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Roy Unit 1H AWB Ref Wellpath: Roy Unit 1H AWP Proj: 16032'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
30.00	323.00	Gyrodata 2015 - GC+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-323')	Roy Unit 1H AWB	07/May/2021	
323.00	2536.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (323')(446'-2536')	Roy Unit 1H AWB	07/May/2021	
2536.00	5598.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (2536')(2661'-5598')	Roy Unit 1H AWB	07/Jun/2021	
5598.00	16032.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04_BH AT Curve <8-1/2"> (5598')(5705'-16007')	Roy Unit 1H AWB	07/Jun/2021	



Actual Wellpath Report

Roy Unit 1H AWP Proj: 16032'

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Roy Unit 1H
Field	Tyler	API	47-095-02734-0000
Facility	Roma Lou Pad	Wellbore	Roy Unit 1H AWB
Slot	Slot #03		

COMMENTS

Wellpath general comments

API: 47-095-02734-0000
BH Job #: 110887489
Rig: H&P 519
Duration: 6/10/2021-6/14/2021
Gyrodatta MS Gyro <17-1/2"> (100'-323')
APS EM <12-1/4"> (323')(446'-2536')
APS EM <8-3/4"> (2536')(2661'-5598')
BH AT Curve <8-1/2"> (5598')(5705'-16007')
Sycamore: 5993' MD
Middlesex: 6145' MD
Burkett: 6324' MD
Marcellus POE: 6394' MD
Projected MD at TD: 16032'