



ANTERO RESOURCES CORPORATION



Location: Ritchie County, WV
 Field: Ritchie
 Facility: Husher Pad

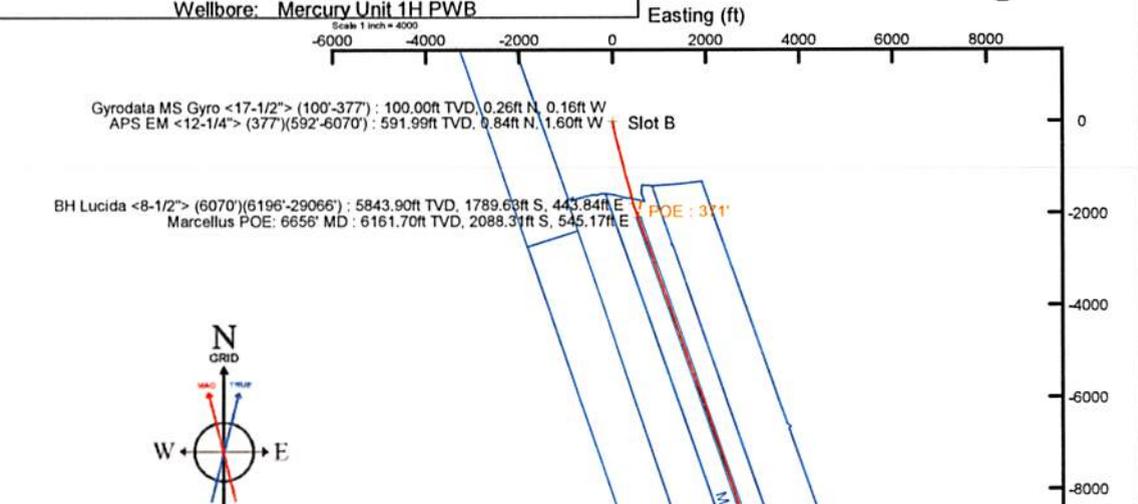
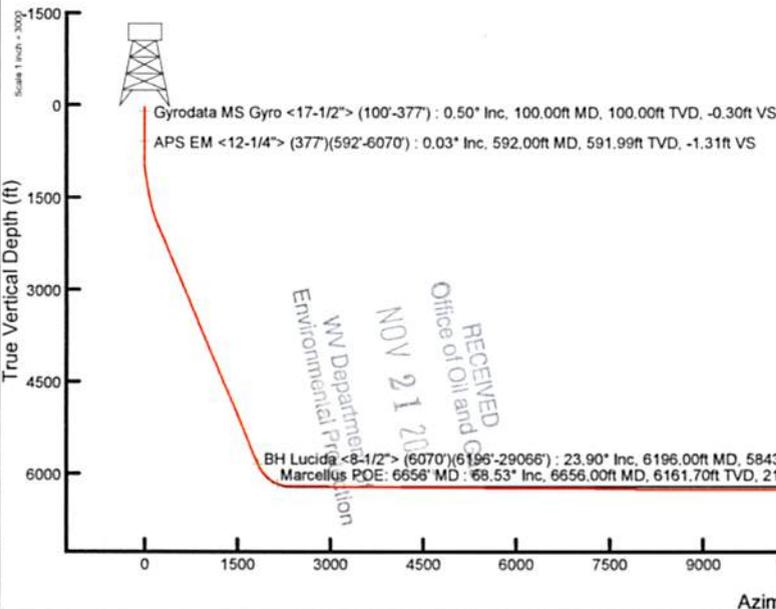
Slot: Slot B
 Well: Mercury Unit 1H
 Wellbore: Mercury Unit 1H PWB

Plot reference wellpath is Mercury Unit 1H PWP Rev-C.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: 1037 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot Slot B): -1007 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edhuayer on 2025-04-06 Database: WA_MPL_EASTERNUS_Data

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Husher Pad	1634418.610	14266440.160	39°17'13.2635"N	81°01'16.3141"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot B	-14.85	-2.11	1634416.500	14266425.320	39°17'13.1167"N
Comment: Mercury Unit 1H					
H&P 519 (RKB) to Ground level (At Slot Slot B)					30ft
Mean Sea Level to Ground level (At Slot Slot B)					-1007ft
H&P 519 (RKB) to Mean Sea Level					1037ft

Well Profile Data							
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	6070.00	23.350	166.460	5728.45	-1741.08	430.09	1786.33
Proj. to Bottom	6145.00	23.350	166.460	5797.31	-1769.98	437.05	1815.92
Curve KOP	6175.00	23.350	166.460	5824.85	-1781.54	439.84	1827.76
Turn	6225.01	23.362	157.396	5870.78	-1800.33	445.97	1847.53
POE	6668.61	67.661	161.028	6174.00	-2090.16	551.81	2156.02
Landing Pt.	6892.00	90.000	161.028	6217.00	-2296.11	622.61	2373.80
BHL	29097.00			6217.00	-23294.87	7841.62	24578.80

Well Data			
Slot	Well	Wellbore	Wellpath
Slot B	Mercury Unit 1H	Mercury Unit 1H AWB	Mercury Unit 1H AWP Proj: 29091'
Slot B	Mercury Unit 1H	Mercury Unit 1H PWB	Mercury Unit 1H PWP Rev-C.0



User specified (HDGM) Dip: 65.71° Field: 50952 nT
 Magnetic North is 7.87 degrees West of True North (at 3/24/2025)
 Grid North is 0.01 degrees West of True North
 To correct azimuth from True to Grid add 0.01 degrees
 To correct azimuth from Magnetic to Grid subtract 7.86 degrees

API: 47-085-10540-0000
 BH Job #: 112579066
 Rig: H&P 519
 Duration: 3/27/2025-3/31/2025

Projected MD at TD: 29091' : 6243.78ft TVD, 23295.18ft S, 7831.05ft E
 BHL : 52'
 Projected MD at TD: 29091' : 90.95° Inc, 29091.00ft MD, 6243.78ft TVD, 24575.65ft VS

Vertical Section (ft)
 Azimuth 161.03° with reference 0.00 N, 0.00 E



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Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

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	4/6/2025 at 5:25:48 PM
Convergence at slot	0.01° West	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	-14.85	-2.11	1634416.50	14266425.32	39°17'13.1167"N	81°01'16.3409"W
Facility Reference Pt			1634418.61	14266440.16	39°17'13.2635"N	81°01'16.3141"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	1037.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	1037.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot B)	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	161.03°

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (312 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	328.220	0.00	0.00	0.00	0.00	1634416.50	14266425.32	39°17'13.1167"N	81°01'16.3409"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	328.220	30.00	0.00	0.00	0.00	1634416.50	14266425.32	39°17'13.1167"N	81°01'16.3409"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.500	328.220	100.00	-0.30	0.26	-0.16	1634416.34	14266425.58	39°17'13.1193"N	81°01'16.3429"W	0.31	328.220	0.71	0.71	0.00	Gyrodata MS Gyro <17-1/2"> (100'-377')
200.00	0.380	336.620	200.00	-1.05	0.93	-0.52	1634415.98	14266426.25	39°17'13.1260"N	81°01'16.3475"W	1.07	330.813	0.14	-0.12	8.40	
300.00	0.130	248.300	300.00	-1.38	1.20	-0.76	1634415.74	14266426.52	39°17'13.1286"N	81°01'16.3506"W	1.42	327.621	0.40	-0.25	-88.32	
377.00	0.320	250.460	376.99	-1.37	1.09	-1.04	1634415.46	14266426.41	39°17'13.1275"N	81°01'16.3542"W	1.51	316.344	0.25	0.25	2.81	
592.00	0.030	170.380	591.99	-1.31	0.84	-1.60	1634414.90	14266426.16	39°17'13.1250"N	81°01'16.3612"W	1.81	297.619	0.15	-0.13	-37.25	APS EM <12-1/4"> (377')(592'-6070')
683.00	0.200	307.240	682.99	-1.42	0.91	-1.72	1634414.78	14266426.23	39°17'13.1257"N	81°01'16.3628"W	1.95	297.842	0.24	0.19	150.40	
773.00	0.400	253.160	772.99	-1.56	0.91	-2.15	1634414.35	14266426.23	39°17'13.1257"N	81°01'16.3682"W	2.33	293.043	0.36	0.22	-60.09	
863.00	1.110	180.600	862.99	-0.75	-0.05	-2.46	1634414.04	14266425.27	39°17'13.1162"N	81°01'16.3722"W	2.46	268.853	1.18	0.79	-80.62	
953.00	3.450	166.660	952.91	2.76	-3.56	-1.84	1634414.66	14266421.77	39°17'13.0816"N	81°01'16.3643"W	4.00	207.378	2.65	2.60	-15.49	
1043.00	6.230	166.250	1042.58	10.32	-10.94	-0.06	1634416.44	14266416.39	39°17'13.0086"N	81°01'16.3416"W	10.94	180.292	3.09	3.09	-0.46	
1141.00	8.020	167.040	1139.82	22.42	-22.76	2.74	1634419.24	14266402.56	39°17'12.8917"N	81°01'16.3060"W	22.93	173.133	1.83	1.83	0.81	
1236.00	9.810	169.140	1233.67	37.02	-37.17	5.75	1634422.25	14266388.16	39°17'12.7493"N	81°01'16.2676"W	37.61	171.203	1.91	1.88	2.21	
1331.00	10.060	170.630	1327.24	53.22	-53.31	8.63	1634425.13	14266372.03	39°17'12.5899"N	81°01'16.2310"W	54.00	170.806	0.38	0.26	1.57	
1426.00	11.140	169.300	1420.62	70.48	-70.51	11.68	1634428.18	14266354.84	39°17'12.4198"N	81°01'16.1921"W	71.47	170.592	1.17	1.14	-1.40	
1521.00	12.400	170.600	1513.62	89.62	-89.59	15.05	1634431.55	14266335.76	39°17'12.2312"N	81°01'16.1492"W	90.85	170.462	1.36	1.33	1.37	
1616.00	13.790	170.200	1606.15	110.86	-110.81	18.65	1634435.14	14266314.55	39°17'12.0215"N	81°01'16.1034"W	112.37	170.448	1.47	1.46	-0.42	
1710.00	15.380	169.040	1697.12	134.26	-134.09	22.92	1634439.41	14266291.28	39°17'11.7914"N	81°01'16.0490"W	136.04	170.299	1.72	1.69	-1.23	
1805.00	17.980	168.890	1788.11	161.27	-160.85	28.15	1634444.63	14266284.53	39°17'11.5269"N	81°01'15.9825"W	163.30	170.075	2.74	2.74	-0.16	
1900.00	20.700	169.790	1877.74	192.39	-191.77	33.95	1634450.43	14266233.63	39°17'11.2214"N	81°01'15.9086"W	194.75	169.961	2.88	2.86	0.95	
1995.00	22.760	169.110	1965.99	227.18	-226.35	40.40	1634456.88	14266199.07	39°17'10.8797"N	81°01'15.8265"W	229.92	169.881	2.18	2.17	-0.72	
2090.00	22.980	167.990	2053.52	263.79	-262.53	47.73	1634464.21	14266162.90	39°17'10.5221"N	81°01'15.7331"W	266.83	169.696	0.51	0.23	-1.18	
2185.00	22.620	166.600	2141.10	300.38	-298.44	55.82	1634472.30	14266127.00	39°17'10.1671"N	81°01'15.6301"W	303.62	169.406	0.68	-0.38	-1.46	
2279.00	22.670	165.460	2227.85	336.43	-333.56	64.56	1634481.03	14266091.89	39°17'9.8200"N	81°01'15.5189"W	339.75	169.046	0.47	0.05	-1.21	
2374.00	22.490	164.510	2315.57	372.82	-368.79	74.01	1634490.48	14266056.68	39°17'9.4719"N	81°01'15.3986"W	376.14	168.653	0.43	-0.19	-1.00	
2469.00	22.510	163.700	2403.34	409.12	-403.76	83.96	1634500.43	14266021.73	39°17'9.1263"N	81°01'15.2719"W	412.39	168.253	0.33	0.02	-0.85	
2564.00	22.310	162.750	2491.16	445.31	-438.43	94.41	1634510.88	14265987.07	39°17'8.7836"N	81°01'15.1389"W	448.48	167.847	0.44	-0.21	-1.00	
2658.00	22.790	166.340	2577.98	481.27	-473.16	104.00	1634520.46	14265952.35	39°17'8.4403"N	81°01'15.0168"W	484.46	167.603	1.55	0.51	3.82	
2753.00	22.820	167.450	2665.55	517.90	-509.02	112.35	1634528.81	14265916.50	39°17'8.0859"N	81°01'14.9105"W	521.28	167.553	0.45	0.03	1.17	

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Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (312 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
2848.00	22.860	166.710	2753.11	554.57	-544.96	120.60	1634537.05	14265880.57	39°17'7.7307"N	81°01'14.8055"W	558.15	167.522	0.31	0.04	-0.78	
2943.00	22.760	166.010	2840.68	591.24	-580.75	129.28	1634545.73	14265844.80	39°17'7.3770"N	81°01'14.6950"W	594.97	167.450	0.30	-0.11	-0.74	
3038.00	22.250	164.710	2928.44	627.50	-615.94	138.47	1634554.91	14265809.63	39°17'7.0293"N	81°01'14.5781"W	631.31	167.330	0.75	-0.54	-1.37	
3133.00	23.060	166.610	3016.11	663.96	-651.39	147.52	1634563.96	14265774.20	39°17'6.6789"N	81°01'14.4628"W	667.88	167.239	1.15	0.85	2.00	
3227.00	22.880	166.640	3102.66	700.47	-687.07	156.01	1634572.44	14265738.52	39°17'6.3262"N	81°01'14.3548"W	704.56	167.207	0.19	-0.19	0.03	
3322.00	22.770	165.240	3190.22	737.19	-722.82	164.96	1634581.39	14265702.79	39°17'5.9729"N	81°01'14.2409"W	741.40	167.145	0.58	-0.12	-1.47	
3417.00	22.500	164.020	3277.90	773.67	-758.07	174.64	1634591.07	14265667.55	39°17'5.6245"N	81°01'14.1176"W	777.93	167.027	0.57	-0.28	-1.28	
3511.00	22.680	166.370	3364.69	809.68	-792.98	183.87	1634600.29	14265632.66	39°17'5.2796"N	81°01'14.0002"W	814.01	166.946	0.98	0.19	2.50	
3606.00	22.110	167.380	3452.53	845.68	-828.22	192.09	1634608.51	14265597.43	39°17'4.9312"N	81°01'13.8955"W	850.21	166.942	0.72	-0.60	1.06	
3701.00	21.820	166.160	3540.63	881.04	-862.81	200.22	1634616.64	14265562.85	39°17'4.5894"N	81°01'13.7920"W	885.74	166.936	0.57	-0.31	-1.28	
3795.00	21.720	165.180	3627.93	915.79	-896.59	208.85	1634625.26	14265529.09	39°17'4.2555"N	81°01'13.6822"W	920.59	166.888	0.40	-0.11	-1.04	
3890.00	22.970	165.700	3715.79	951.79	-931.55	217.92	1634634.33	14265494.15	39°17'3.9101"N	81°01'13.5667"W	956.70	166.833	1.33	1.32	0.55	
3988.00	23.370	167.220	3805.89	990.18	-969.03	226.94	1634643.35	14265456.68	39°17'3.5396"N	81°01'13.4518"W	995.25	166.819	0.73	0.41	1.55	
4083.00	22.420	165.930	3893.41	1026.96	-1004.98	235.52	1634651.92	14265420.74	39°17'3.1843"N	81°01'13.3427"W	1032.21	166.811	1.13	-1.00	-1.36	
4178.00	23.560	167.580	3980.86	1063.87	-1041.10	244.01	1634660.41	14265384.64	39°17'2.8273"N	81°01'13.2347"W	1069.31	166.809	1.38	1.20	1.74	
4272.00	23.320	167.410	4067.10	1101.03	-1077.60	252.10	1634668.50	14265348.15	39°17'2.4666"N	81°01'13.1316"W	1106.70	166.833	0.27	-0.26	-0.18	
4367.00	22.700	166.880	4154.54	1137.95	-1113.81	260.36	1634676.76	14265311.96	39°17'2.1087"N	81°01'13.0265"W	1143.83	166.843	0.69	-0.65	-0.56	
4462.00	22.590	163.970	4242.22	1174.41	-1149.20	269.56	1634685.95	14265276.59	39°17'1.7590"N	81°01'12.9094"W	1180.39	166.799	1.18	-0.12	-3.06	
4556.00	22.380	163.140	4329.08	1210.32	-1183.67	279.74	1634696.12	14265242.12	39°17'1.4182"N	81°01'12.7798"W	1216.28	166.703	0.40	-0.22	-0.88	
4651.00	22.460	161.550	4416.90	1246.54	-1218.20	290.72	1634707.11	14265207.61	39°17'1.0770"N	81°01'12.6400"W	1252.41	166.577	0.64	0.08	-1.67	
4746.00	21.830	162.400	4504.89	1282.35	-1252.25	301.81	1634718.19	14265173.58	39°17'0.7405"N	81°01'12.4989"W	1288.10	166.449	0.74	-0.66	0.89	
4840.00	23.280	165.440	4591.70	1318.34	-1286.89	311.76	1634728.14	14265138.95	39°17'0.3982"N	81°01'12.3722"W	1324.12	166.382	1.98	1.54	3.23	
4935.00	23.800	164.790	4678.79	1356.19	-1323.56	321.51	1634737.88	14265102.30	39°17'0.0358"N	81°01'12.2482"W	1362.05	166.346	0.61	0.55	-0.68	
5030.00	23.350	164.130	4765.86	1394.11	-1360.16	331.69	1634748.06	14265065.70	39°16'59.6740"N	81°01'12.1186"W	1400.02	166.295	0.55	-0.47	-0.69	
5125.00	23.780	163.090	4852.94	1432.05	-1396.60	342.41	1634758.77	14265029.28	39°16'59.3139"N	81°01'11.9822"W	1437.96	166.224	0.63	0.45	-1.09	
5219.00	22.600	165.870	4939.35	1468.99	-1432.25	352.33	1634768.69	14264993.65	39°16'58.9616"N	81°01'11.8559"W	1474.95	166.180	1.71	-1.26	2.96	
5314.00	21.640	165.690	5027.36	1504.64	-1466.92	361.12	1634777.47	14264958.99	39°16'58.6189"N	81°01'11.7441"W	1510.72	166.170	1.01	-1.01	-0.19	
5408.00	21.550	163.500	5114.76	1539.17	-1500.27	370.30	1634786.66	14264925.65	39°16'58.2893"N	81°01'11.6272"W	1545.30	166.135	0.86	-0.10	-2.33	
5503.00	22.390	166.260	5202.86	1574.62	-1534.58	379.56	1634795.91	14264891.36	39°16'57.9502"N	81°01'11.5094"W	1580.82	166.107	1.40	0.88	2.91	
5598.00	22.150	167.070	5290.78	1610.44	-1569.61	387.86	1634804.21	14264856.34	39°16'57.6040"N	81°01'11.4037"W	1616.82	166.120	0.41	-0.25	0.85	

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Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWP
Slot	Slot B		

WELLPATH DATA (312 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]	
5692.00	21.820	166.790	5377.94	1645.45	-1603.89	395.82	1634812.16	14264822.08	39°16'57.2652"N	81°01'11.3024"W	1652.01	166.137	0.37	-0.35	-0.30	
5786.00	21.400	165.360	5465.33	1679.93	-1637.49	404.15	1634820.48	14264788.49	39°16'56.9332"N	81°01'11.1964"W	1686.62	166.136	0.72	-0.45	-1.52	
5881.00	21.000	165.260	5553.90	1714.19	-1670.72	412.86	1634829.19	14264755.27	39°16'56.6047"N	81°01'11.0855"W	1720.97	166.119	0.42	-0.42	-0.11	
5975.00	22.900	166.570	5641.09	1749.19	-1704.80	421.39	1634837.72	14264721.21	39°16'56.2679"N	81°01'10.9769"W	1756.11	166.116	2.09	2.02	1.39	
6070.00	23.350	166.460	5728.45	1786.33	-1741.08	430.09	1634846.42	14264684.94	39°16'55.9093"N	81°01'10.8662"W	1793.42	166.124	0.48	0.47	-0.12	
6196.00	23.900	161.960	5843.90	1836.71	-1789.63	443.84	1634860.17	14264636.41	39°16'55.4295"N	81°01'10.6911"W	1843.85	166.071	1.50	0.44	-3.57	BH Lucida <8-1/2"> (6070')(6196'-29066')
6291.00	30.360	160.640	5928.41	1880.01	-1830.62	457.78	1634874.09	14264595.43	39°16'55.0244"N	81°01'10.5138"W	1886.99	165.960	6.83	6.80	-1.39	
6311.00†	32.441	160.986	5945.48	1890.43	-1840.46	461.20	1634877.52	14264585.60	39°16'54.9271"N	81°01'10.4703"W	1897.37	165.932	10.44	10.40	1.73	Sycamore: 6311' MD
6386.00	40.250	162.000	6005.84	1934.84	-1882.59	475.26	1634891.57	14264543.49	39°16'54.5108"N	81°01'10.2913"W	1941.65	165.832	10.44	10.41	1.35	
6429.00†	44.880	161.881	6037.50	1963.92	-1910.24	484.28	1634900.59	14264515.85	39°16'54.2375"N	81°01'10.1766"W	1970.67	165.774	10.77	10.77	-0.28	Middlesex: 6429' MD
6481.00	50.480	161.760	6072.50	2002.35	-1946.75	496.27	1634912.57	14264479.35	39°16'53.8767"N	81°01'10.0240"W	2009.01	165.699	10.77	10.77	-0.23	
6575.00	59.930	160.750	6126.08	2079.45	-2019.75	521.09	1634937.38	14264406.38	39°16'53.1552"N	81°01'9.7082"W	2085.89	165.533	10.09	10.05	-1.07	
6592.00†	61.478	160.659	6134.39	2094.27	-2033.74	525.99	1634942.28	14264392.39	39°16'53.0169"N	81°01'9.6459"W	2100.66	165.499	9.12	9.11	-0.53	Burkett: 6592' MD
6621.00	64.120	160.510	6147.65	2120.06	-2058.07	534.56	1634950.85	14264368.08	39°16'52.7765"N	81°01'9.5368"W	2126.36	165.440	9.12	9.11	-0.51	
6644.00†	67.016	160.702	6157.16	2141.00	-2077.82	541.51	1634957.79	14264348.34	39°16'52.5813"N	81°01'9.4483"W	2147.22	165.393	12.61	12.59	0.84	Tully: 6644' MD
6656.00†	68.527	160.799	6161.70	2152.11	-2088.31	545.17	1634961.46	14264337.85	39°16'52.4777"N	81°01'9.4017"W	2158.29	165.369	12.61	12.59	0.81	Marcellus POE: 6656' MD
6670.00	70.290	160.910	6166.62	2165.21	-2100.69	549.47	1634965.75	14264325.48	39°16'52.3553"N	81°01'9.3470"W	2171.36	165.342	12.61	12.59	0.79	
6765.00	78.000	160.690	6192.56	2256.53	-2186.92	579.51	1634995.77	14264239.28	39°16'51.5030"N	81°01'8.9648"W	2262.40	165.158	8.12	8.12	-0.23	
6860.00	89.420	159.700	6202.95	2350.79	-2275.61	611.46	1635027.71	14264150.62	39°16'50.6265"N	81°01'8.5583"W	2356.33	164.960	12.07	12.02	-1.04	
6955.00	89.350	159.550	6203.97	2445.76	-2364.66	644.53	1635060.77	14264061.61	39°16'49.7464"N	81°01'8.1375"W	2450.93	164.753	0.17	-0.07	-0.16	
7049.00	89.170	159.750	6205.18	2539.72	-2452.79	677.22	1635093.44	14263973.52	39°16'48.8755"N	81°01'7.7216"W	2544.56	164.565	0.29	-0.19	0.21	
7144.00	89.170	159.220	6206.56	2634.68	-2541.76	710.51	1635126.72	14263884.59	39°16'47.9962"N	81°01'7.2980"W	2639.19	164.383	0.56	0.00	-0.56	
7239.00	89.720	158.930	6207.48	2729.62	-2630.49	744.43	1635160.63	14263795.89	39°16'47.1193"N	81°01'6.8663"W	2733.79	164.198	0.65	0.58	-0.31	
7334.00	89.820	160.830	6207.86	2824.59	-2719.68	777.11	1635193.30	14263706.73	39°16'46.2378"N	81°01'6.4506"W	2828.53	164.053	2.00	0.11	2.00	
7429.00	89.910	162.710	6208.09	2919.58	-2809.91	806.83	1635223.00	14263616.54	39°16'45.3460"N	81°01'6.0724"W	2923.45	163.979	1.98	0.09	1.98	
7523.00	89.320	162.530	6208.72	3013.54	-2899.62	834.90	1635251.07	14263526.87	39°16'44.4595"N	81°01'5.7151"W	3017.42	163.937	0.66	-0.63	-0.19	
7618.00	89.200	162.710	6209.94	3108.50	-2990.27	863.28	1635279.43	14263436.25	39°16'43.5635"N	81°01'5.3541"W	3112.39	163.897	0.23	-0.13	0.19	
7713.00	89.290	162.300	6211.20	3203.46	-3080.87	891.84	1635307.98	14263345.69	39°16'42.6681"N	81°01'4.9907"W	3207.36	163.856	0.44	0.09	-0.43	
7808.00	89.320	162.690	6212.35	3298.42	-3171.46	920.41	1635336.54	14263255.13	39°16'41.7728"N	81°01'4.6271"W	3302.32	163.816	0.41	0.03	0.41	
7903.00	89.110	162.530	6213.65	3393.37	-3262.11	948.80	1635364.92	14263164.52	39°16'40.8769"N	81°01'4.2659"W	3397.29	163.783	0.28	-0.22	-0.17	

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Actual Wellpath Report

Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Mercury Unit 1H
Field	Ritchie		API	47-085-10540-0000
Facility	Husher Pad		Wellbore	Mercury Unit 1H AWB
Slot	Slot B			

WELLPATH DATA (312 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
7998.00	89.260	161.720	6215.00	3488.34	-3352.52	977.96	1635394.06	14263074.15	39°16'39.9834"N	81°01'3.8949"W	3492.24	163.738	0.87	0.16	-0.85	
8092.00	89.750	160.150	6215.81	3582.34	-3441.35	1008.66	1635424.75	14262985.35	39°16'39.1054"N	81°01'3.5042"W	3586.13	163.664	1.75	0.52	-1.67	
8187.00	89.660	159.490	6216.30	3677.32	-3530.52	1041.43	1635457.51	14262896.22	39°16'38.2242"N	81°01'3.0873"W	3680.92	163.565	0.70	-0.09	-0.69	
8282.00	89.540	159.710	6216.97	3772.28	-3619.56	1074.54	1635490.61	14262807.21	39°16'37.3442"N	81°01'2.6660"W	3775.69	163.465	0.26	-0.13	0.23	
8377.00	89.820	159.350	6217.50	3867.25	-3708.56	1107.77	1635523.82	14262718.25	39°16'36.4646"N	81°01'2.2433"W	3870.47	163.369	0.48	0.29	-0.38	
8472.00	89.850	160.160	6217.77	3962.22	-3797.69	1140.64	1635556.68	14262629.16	39°16'35.5837"N	81°01'1.8251"W	3965.29	163.282	0.85	0.03	0.85	
8567.00	89.660	159.450	6218.18	4057.20	-3886.85	1173.43	1635589.46	14262540.03	39°16'34.7026"N	81°01'1.4078"W	4060.12	163.201	0.77	-0.20	-0.75	
8661.00	89.880	159.820	6218.55	4151.17	-3974.97	1206.14	1635622.16	14262451.95	39°16'33.8317"N	81°01'0.9917"W	4153.94	163.120	0.46	0.23	0.39	
8851.00	89.880	161.210	6218.95	4341.16	-4154.09	1269.52	1635685.51	14262372.90	39°16'32.0615"N	81°01'0.1854"W	4343.74	163.006	0.73	0.00	0.73	
8947.00	89.970	161.420	6219.08	4437.16	-4245.03	1300.27	1635716.25	14262182.00	39°16'31.1627"N	81°00'59.7941"W	4439.70	162.970	0.24	0.09	0.22	
9042.00	89.750	161.180	6219.31	4532.16	-4335.01	1330.73	1635746.70	14262092.05	39°16'30.2734"N	81°00'59.4066"W	4534.66	162.935	0.34	-0.23	-0.25	
9136.00	89.420	161.290	6219.99	4626.15	-4424.01	1360.97	1635776.92	14262003.09	39°16'29.3937"N	81°00'59.0219"W	4628.62	162.900	0.37	-0.35	0.12	
9232.00	89.510	161.230	6220.89	4722.15	-4514.92	1391.81	1635807.75	14261912.22	39°16'28.4953"N	81°00'58.6295"W	4724.58	162.867	0.11	0.09	-0.06	
9326.00	89.350	161.540	6221.82	4816.14	-4604.00	1421.82	1635837.74	14261823.17	39°16'27.6149"N	81°00'58.2478"W	4818.54	162.838	0.37	-0.17	0.33	
9421.00	89.230	161.360	6223.00	4911.13	-4694.05	1452.04	1635867.95	14261733.15	39°16'26.7249"N	81°00'57.8633"W	4913.51	162.811	0.23	-0.13	-0.19	
9516.00	89.230	161.160	6224.28	5006.12	-4784.01	1482.55	1635898.46	14261643.23	39°16'25.8358"N	81°00'57.4750"W	5008.46	162.782	0.21	0.00	-0.21	
9706.00	89.630	161.370	6226.17	5196.11	-4963.93	1543.58	1635959.46	14261463.38	39°16'24.0576"N	81°00'56.6987"W	5198.39	162.726	0.24	0.21	0.11	
9801.00	89.630	161.640	6226.78	5291.11	-5054.02	1573.71	1635989.58	14261373.33	39°16'23.1672"N	81°00'56.3153"W	5293.37	162.705	0.28	0.00	0.28	
9896.00	89.540	160.980	6227.47	5386.10	-5144.01	1604.15	1636020.01	14261283.38	39°16'22.2779"N	81°00'55.9280"W	5388.34	162.680	0.70	-0.09	-0.69	
9991.00	89.510	161.560	6228.25	5481.10	-5233.98	1634.66	1636050.50	14261193.45	39°16'21.3887"N	81°00'55.5399"W	5483.30	162.656	0.61	-0.03	0.61	
10085.00	89.570	161.160	6229.01	5575.09	-5323.04	1664.70	1636080.53	14261104.42	39°16'20.5085"N	81°00'55.1577"W	5577.28	162.634	0.43	0.06	-0.43	
10180.00	89.510	161.250	6229.77	5670.09	-5412.97	1695.31	1636111.13	14261014.52	39°16'19.6197"N	81°00'54.7684"W	5672.24	162.610	0.11	-0.06	0.09	
10275.00	89.510	160.310	6230.58	5765.08	-5502.67	1726.58	1636142.39	14260924.86	39°16'18.7331"N	81°00'54.3706"W	5767.19	162.580	0.99	0.00	-0.99	
10370.00	89.600	158.680	6231.32	5860.04	-5591.65	1759.86	1636175.65	14260835.92	39°16'17.8538"N	81°00'53.9473"W	5862.05	162.530	1.72	0.09	-1.72	
10465.00	89.880	160.220	6231.75	5955.00	-5680.60	1793.20	1636208.98	14260747.00	39°16'16.9747"N	81°00'53.5231"W	5956.91	162.481	1.65	0.29	1.62	
10560.00	89.780	153.120	6232.04	6049.67	-5767.78	1830.80	1636246.56	14260659.86	39°16'16.1131"N	81°00'53.0448"W	6051.37	162.390	7.47	-0.11	-7.47	
10655.00	89.850	156.330	6232.34	6144.08	-5853.67	1871.36	1636287.10	14260574.00	39°16'15.2642"N	81°00'52.5290"W	6145.52	162.271	3.38	0.07	3.38	
10750.00	89.910	161.260	6232.54	6238.98	-5942.21	1905.71	1636321.44	14260485.50	39°16'14.3891"N	81°00'52.0920"W	6240.32	162.219	5.19	0.06	5.19	
10846.00	89.780	161.130	6232.80	6334.98	-6033.09	1936.65	1636352.37	14260394.66	39°16'13.4910"N	81°00'51.6984"W	6336.31	162.203	0.19	-0.14	-0.14	
10940.00	89.820	161.360	6233.13	6428.98	-6122.10	1966.87	1636382.58	14260305.69	39°16'12.6113"N	81°00'51.3139"W	6430.29	162.189	0.25	0.04	0.24	

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Actual Wellpath Report

Mercury Unit 1H AWP Proj: 29091'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (312 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
11036.00	89.750	162.550	6233.49	6524.96	-6213.37	1996.61	1636412.31	14260214.45	39°16'11.7092"N	81°00'50.9356"W	6526.29	162.186	1.24	-0.07	1.24	
11131.00	89.750	162.220	6233.90	6619.93	-6303.92	2025.36	1636441.05	14260123.94	39°16'10.8143"N	81°00'50.5699"W	6621.29	162.189	0.35	0.00	-0.35	
11225.00	89.570	162.410	6234.46	6713.91	-6393.47	2053.92	1636469.59	14260034.42	39°16'9.9292"N	81°00'50.2066"W	6715.28	162.190	0.28	-0.19	0.20	
11320.00	89.600	162.170	6235.15	6808.88	-6483.97	2082.81	1636498.48	14259943.96	39°16'9.0348"N	81°00'49.8390"W	6810.28	162.192	0.25	0.03	-0.25	
11415.00	89.630	160.460	6235.79	6903.88	-6573.95	2113.25	1636528.90	14259854.01	39°16'8.1455"N	81°00'49.4519"W	6905.27	162.180	1.80	0.03	-1.80	
11510.00	89.570	162.160	6236.45	6998.87	-6663.94	2143.69	1636559.33	14259764.06	39°16'7.2561"N	81°00'49.0647"W	7000.25	162.168	1.79	-0.06	1.79	
11605.00	89.510	159.570	6237.21	7093.86	-6753.68	2174.82	1636590.45	14259674.35	39°16'6.3692"N	81°00'48.6686"W	7095.21	162.150	2.73	-0.06	-2.73	
11699.00	89.600	161.890	6237.95	7187.85	-6842.40	2205.84	1636621.46	14259585.67	39°16'5.4923"N	81°00'48.2741"W	7189.18	162.132	2.47	0.10	2.47	
11794.00	89.480	161.460	6238.71	7282.84	-6932.58	2235.71	1636651.31	14259495.52	39°16'4.6010"N	81°00'47.8941"W	7284.17	162.126	0.47	-0.13	-0.45	
11889.00	89.570	159.950	6239.50	7377.83	-7022.24	2267.10	1636682.69	14259405.90	39°16'3.7149"N	81°00'47.4949"W	7379.13	162.108	1.59	0.09	-1.59	
11984.00	89.050	161.130	6240.64	7472.82	-7111.81	2298.75	1636714.32	14259316.37	39°16'2.8297"N	81°00'47.0923"W	7474.09	162.088	1.36	-0.55	1.24	
12078.00	89.320	160.810	6241.98	7566.81	-7200.66	2329.39	1636744.96	14259227.55	39°16'1.9516"N	81°00'46.7025"W	7568.06	162.074	0.45	0.29	-0.34	
12173.00	88.830	160.710	6243.51	7661.79	-7290.34	2360.69	1636776.24	14259137.91	39°16'1.0652"N	81°00'46.3044"W	7663.03	162.057	0.53	-0.52	-0.11	
12268.00	88.830	161.140	6245.45	7756.77	-7380.11	2391.73	1636807.27	14259048.18	39°16'0.1781"N	81°00'45.9096"W	7757.99	162.044	0.45	0.00	0.45	
12363.00	88.980	163.250	6247.27	7851.73	-7470.54	2420.77	1636836.30	14258957.79	39°15'59.2843"N	81°00'45.5402"W	7852.96	162.045	2.23	0.16	2.22	
12458.00	88.980	163.470	6248.96	7946.64	-7561.54	2447.97	1636863.49	14258866.82	39°15'58.3849"N	81°00'45.1942"W	7947.92	162.061	0.23	0.00	0.23	
12553.00	89.110	163.490	6250.54	8041.54	-7652.61	2474.98	1636890.49	14258775.79	39°15'57.4848"N	81°00'44.8506"W	8042.88	162.078	0.14	0.14	0.02	
12648.00	89.380	163.520	6251.79	8136.44	-7743.69	2501.96	1636917.45	14258684.74	39°15'56.5846"N	81°00'44.5075"W	8137.85	162.095	0.29	0.28	0.03	
12742.00	89.410	163.620	6252.78	8230.34	-7833.85	2528.54	1636944.02	14258594.62	39°15'55.6936"N	81°00'44.1694"W	8231.81	162.111	0.11	0.03	0.11	
12837.00	89.450	156.310	6253.73	8325.26	-7923.03	2561.06	1636976.53	14258505.47	39°15'54.8121"N	81°00'43.7557"W	8326.67	162.087	7.69	0.04	-7.69	
12932.00	89.660	161.980	6254.47	8420.16	-8011.77	2594.87	1637010.33	14258416.77	39°15'53.9351"N	81°00'43.3258"W	8421.51	162.054	5.97	0.22	5.97	
13027.00	89.940	161.970	6254.80	8515.15	-8102.11	2624.27	1637039.71	14258326.47	39°15'53.0423"N	81°00'42.9519"W	8516.51	162.053	0.29	0.29	-0.01	
13122.00	90.060	162.660	6254.80	8610.13	-8192.62	2653.12	1637068.56	14258236.00	39°15'52.1478"N	81°00'42.5848"W	8611.51	162.056	0.74	0.13	0.73	
13217.00	89.850	160.730	6254.88	8705.12	-8282.81	2682.96	1637098.38	14258145.84	39°15'51.2564"N	81°00'42.2053"W	8706.50	162.052	2.04	-0.22	-2.03	
13312.00	89.910	162.210	6255.07	8800.11	-8372.88	2713.15	1637128.56	14258055.81	39°15'50.3662"N	81°00'41.8213"W	8801.49	162.046	1.56	0.06	1.56	
13407.00	90.060	161.750	6255.10	8895.10	-8463.22	2742.54	1637157.94	14257965.50	39°15'49.4733"N	81°00'41.4476"W	8896.49	162.045	0.51	0.16	-0.48	
13501.00	90.090	162.380	6254.98	8989.08	-8552.65	2771.48	1637186.87	14257876.11	39°15'48.5894"N	81°00'41.0794"W	8990.49	162.045	0.67	0.03	0.67	
13596.00	90.150	161.690	6254.78	9084.06	-8643.02	2800.79	1637216.16	14257785.78	39°15'47.6963"N	81°00'40.7067"W	9085.49	162.045	0.73	0.06	-0.73	
13691.00	90.090	162.320	6254.58	9179.05	-8733.37	2830.13	1637245.50	14257695.46	39°15'46.8033"N	81°00'40.3335"W	9180.49	162.045	0.67	-0.06	0.66	
13786.00	90.030	161.570	6254.48	9274.04	-8823.69	2859.58	1637274.93	14257605.18	39°15'45.9106"N	81°00'39.9590"W	9275.49	162.044	0.79	-0.06	-0.79	

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Actual Wellpath Report

Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Mercury Unit 1H
Field	Ritchie		API	47-085-10540-0000
Facility	Husher Pad		Wellbore	Mercury Unit 1H AWP
Slot	Slot B			

WELLPATH DATA (312 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
13881.00	90.030	162.520	6254.43	9369.02	-8914.06	2888.86	1637304.20	14257514.84	39°15'45.0174"N	81°00'39.5865"W	9370.49	162.044	1.00	0.00	1.00	
13976.00	90.120	162.410	6254.30	9463.99	-9004.65	2917.48	1637332.81	14257424.29	39°15'44.1221"N	81°00'39.2225"W	9465.49	162.048	0.15	0.09	-0.12	
14071.00	89.940	161.390	6254.26	9558.98	-9094.95	2947.00	1637362.31	14257334.03	39°15'43.2297"N	81°00'38.8471"W	9560.48	162.046	1.09	-0.19	-1.07	
14165.00	90.060	162.410	6254.26	9652.97	-9184.29	2976.20	1637391.51	14257244.72	39°15'42.3466"N	81°00'38.4757"W	9654.48	162.045	1.09	0.13	1.09	
14260.00	90.030	161.670	6254.18	9747.95	-9274.66	3005.50	1637420.79	14257154.38	39°15'41.4535"N	81°00'38.1032"W	9749.48	162.045	0.78	-0.03	-0.78	
14355.00	90.060	162.160	6254.11	9842.94	-9364.97	3034.99	1637450.27	14257064.11	39°15'40.5610"N	81°00'37.7281"W	9844.48	162.044	0.52	0.03	0.52	
14450.00	90.090	160.730	6253.98	9937.94	-9455.03	3065.22	1637480.48	14256974.09	39°15'39.6709"N	81°00'37.3437"W	9939.47	162.038	1.51	0.03	-1.51	
14545.00	90.000	160.510	6253.91	10032.93	-9544.65	3096.74	1637511.99	14256884.51	39°15'38.7851"N	81°00'36.9428"W	10034.44	162.024	0.25	-0.09	-0.23	
14639.00	90.060	161.750	6253.86	10126.93	-9633.59	3127.14	1637542.38	14256795.60	39°15'37.9060"N	81°00'36.5561"W	10128.43	162.016	1.32	0.06	1.32	
14734.00	90.000	162.380	6253.81	10221.91	-9723.98	3156.39	1637571.63	14256705.25	39°15'37.0128"N	81°00'36.1841"W	10223.43	162.017	0.67	-0.06	0.66	
14829.00	89.910	162.020	6253.88	10316.89	-9814.43	3185.44	1637600.65	14256614.84	39°15'36.1188"N	81°00'35.8148"W	10318.43	162.018	0.39	-0.09	-0.38	
14924.00	89.660	160.170	6254.24	10411.89	-9904.30	3216.21	1637631.42	14256525.00	39°15'35.2305"N	81°00'35.4234"W	10413.41	162.010	1.97	-0.26	-1.95	
15019.00	89.690	162.240	6254.78	10506.88	-9994.23	3246.82	1637662.01	14256435.11	39°15'34.3418"N	81°00'35.0341"W	10508.40	162.003	2.18	0.03	2.18	
15114.00	89.420	161.840	6255.52	10601.86	-10084.59	3276.11	1637691.29	14256344.78	39°15'33.4486"N	81°00'34.6616"W	10603.39	162.003	0.51	-0.28	-0.42	
15208.00	89.320	161.830	6256.55	10695.85	-10173.90	3305.41	1637720.59	14256255.51	39°15'32.5659"N	81°00'34.2890"W	10697.39	162.001	0.11	-0.11	-0.01	
15303.00	89.350	161.920	6257.65	10790.83	-10264.18	3334.97	1637750.13	14256165.26	39°15'31.6736"N	81°00'33.9132"W	10792.38	162.000	0.10	0.03	0.09	
15398.00	89.480	161.710	6258.62	10885.82	-10354.43	3364.61	1637779.76	14256075.05	39°15'30.7817"N	81°00'33.5361"W	10887.38	161.999	0.26	0.14	-0.22	
15493.00	89.350	161.720	6259.59	10980.81	-10444.63	3394.42	1637809.55	14255984.89	39°15'29.8902"N	81°00'33.1571"W	10982.37	161.996	0.14	-0.14	0.01	
15588.00	89.170	161.050	6260.82	11075.80	-10534.66	3424.74	1637839.86	14255894.90	39°15'29.0005"N	81°00'32.7715"W	11077.36	161.991	0.73	-0.19	-0.71	
15683.00	89.010	160.490	6262.33	11170.78	-10624.34	3456.02	1637871.14	14255805.25	39°15'28.1140"N	81°00'32.3737"W	11172.32	161.981	0.61	-0.17	-0.59	
15778.00	88.950	158.890	6264.02	11265.74	-10713.42	3488.99	1637904.09	14255716.21	39°15'27.2337"N	81°00'31.9545"W	11267.23	161.961	1.69	-0.06	-1.68	
15872.00	89.420	161.260	6265.36	11359.71	-10801.78	3521.02	1637936.11	14255627.88	39°15'26.3604"N	81°00'31.5472"W	11361.16	161.946	2.57	0.50	2.52	
15967.00	89.140	160.520	6266.55	11454.70	-10891.53	3552.12	1637967.19	14255538.16	39°15'25.4733"N	81°00'31.1517"W	11456.14	161.937	0.83	-0.29	-0.78	
16062.00	90.680	160.600	6266.70	11549.70	-10981.12	3583.74	1637998.80	14255448.62	39°15'24.5879"N	81°00'30.7497"W	11551.11	161.926	1.62	1.62	0.08	
16157.00	89.910	158.620	6266.21	11644.66	-11070.16	3616.83	1638031.88	14255359.61	39°15'23.7079"N	81°00'30.3289"W	11646.02	161.907	2.24	-0.81	-2.08	
16252.00	89.970	160.580	6266.31	11739.63	-11159.19	3649.95	1638064.98	14255270.61	39°15'22.8279"N	81°00'29.9078"W	11740.94	161.888	2.06	0.06	2.06	
16346.00	90.890	155.430	6265.60	11833.46	-11246.32	3685.14	1638100.16	14255183.52	39°15'21.9668"N	81°00'29.4603"W	11834.69	161.857	5.57	0.98	-5.48	
16441.00	89.970	152.250	6264.89	11927.70	-11331.57	3727.01	1638142.02	14255098.30	39°15'21.1242"N	81°00'28.9279"W	11928.76	161.794	3.48	-0.97	-3.35	
16536.00	90.060	156.140	6264.87	12022.00	-11417.08	3768.36	1638183.35	14255012.82	39°15'20.2790"N	81°00'28.4022"W	12022.91	161.734	4.10	0.09	4.09	
16631.00	89.880	159.670	6264.92	12116.85	-11505.09	3804.09	1638219.06	14254924.85	39°15'19.4092"N	81°00'27.9479"W	12117.68	161.704	3.72	-0.19	3.72	

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Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (312 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
16726.00	91.200	161.500	6264.02	12211.83	-11594.68	3835.66	1638250.62	14254835.30	39°15'18.5238"N	81°00'27.5464"W	12212.66	161.695	2.38	1.39	1.93	
16821.00	89.910	160.630	6263.10	12306.83	-11684.53	3866.49	1638281.43	14254745.48	39°15'17.6357"N	81°00'27.1545"W	12307.64	161.690	1.64	-1.36	-0.92	
16916.00	89.750	160.710	6263.38	12401.82	-11774.18	3897.93	1638312.87	14254655.87	39°15'16.7497"N	81°00'26.7546"W	12402.63	161.682	0.19	-0.17	0.08	
17010.00	89.850	160.760	6263.71	12495.82	-11862.91	3928.95	1638343.87	14254567.17	39°15'15.8727"N	81°00'26.3603"W	12496.61	161.675	0.12	0.11	0.05	
17105.00	89.970	160.470	6263.86	12590.82	-11952.53	3960.48	1638375.39	14254477.60	39°15'14.9870"N	81°00'25.9593"W	12591.60	161.667	0.33	0.13	-0.31	
17200.00	89.720	161.470	6264.12	12685.82	-12042.33	3991.46	1638406.35	14254387.83	39°15'14.0994"N	81°00'25.5655"W	12686.59	161.662	1.09	-0.26	1.05	
17295.00	90.000	161.280	6264.35	12780.82	-12132.36	4021.80	1638436.68	14254297.84	39°15'13.2096"N	81°00'25.1797"W	12781.59	161.660	0.36	0.29	-0.20	
17390.00	90.030	161.940	6264.32	12875.81	-12222.51	4051.77	1638466.64	14254207.73	39°15'12.3186"N	81°00'24.7986"W	12876.59	161.660	0.70	0.03	0.69	
17485.00	89.630	161.930	6264.60	12970.80	-12312.82	4081.23	1638496.09	14254117.45	39°15'11.4260"N	81°00'24.4241"W	12971.59	161.662	0.42	-0.42	-0.01	
17579.00	89.690	161.880	6265.16	13064.78	-12402.17	4110.42	1638525.27	14254028.13	39°15'10.5429"N	81°00'24.0529"W	13065.58	161.663	0.08	0.06	-0.05	
17674.00	89.720	161.990	6265.65	13159.77	-12492.49	4139.88	1638554.72	14253937.85	39°15'9.6503"N	81°00'23.6783"W	13160.58	161.665	0.12	0.03	0.12	
17769.00	89.690	162.030	6266.14	13254.76	-12582.84	4169.22	1638584.04	14253847.53	39°15'8.7572"N	81°00'23.3052"W	13255.58	161.668	0.05	-0.03	0.04	
17864.00	89.690	161.780	6266.66	13349.74	-12673.14	4198.73	1638613.54	14253757.27	39°15'7.8648"N	81°00'22.9301"W	13350.58	161.670	0.26	0.00	-0.26	
17959.00	89.820	161.810	6267.06	13444.73	-12763.39	4228.41	1638643.21	14253667.06	39°15'6.9728"N	81°00'22.5527"W	13445.57	161.670	0.14	0.14	0.03	
18054.00	89.660	161.840	6267.49	13539.72	-12853.65	4258.04	1638672.83	14253576.84	39°15'6.0807"N	81°00'22.1760"W	13540.57	161.671	0.17	-0.17	0.03	
18149.00	89.820	162.020	6267.92	13634.71	-12943.96	4287.50	1638702.28	14253486.56	39°15'5.1881"N	81°00'21.8013"W	13635.57	161.673	0.25	0.17	0.19	
18244.00	89.750	162.070	6268.28	13729.70	-13034.33	4316.79	1638731.55	14253396.23	39°15'4.2949"N	81°00'21.4290"W	13730.57	161.676	0.09	-0.07	0.05	
18339.00	89.780	161.730	6268.67	13824.68	-13124.63	4346.30	1638761.06	14253305.96	39°15'3.4025"N	81°00'21.0538"W	13825.57	161.677	0.36	0.03	-0.36	
18433.00	90.090	162.590	6268.78	13918.66	-13214.11	4375.10	1638789.84	14253216.52	39°15'2.5181"N	81°00'20.6876"W	13919.56	161.681	0.97	0.33	0.91	
18528.00	89.660	159.660	6268.98	14013.65	-13303.99	4405.83	1638820.56	14253126.68	39°15'1.6297"N	81°00'20.2969"W	14014.55	161.677	3.12	-0.45	-3.08	
18623.00	89.940	160.880	6269.32	14108.64	-13393.41	4437.90	1638852.62	14253037.29	39°15'0.7459"N	81°00'19.8892"W	14109.52	161.667	1.32	0.29	1.28	
18718.00	89.850	160.910	6269.49	14203.64	-13483.18	4468.99	1638883.70	14252947.56	39°14'59.8587"N	81°00'19.4939"W	14204.51	161.662	0.10	-0.09	0.03	
18813.00	89.480	159.340	6270.04	14298.63	-13572.52	4501.29	1638915.98	14252858.26	39°14'58.9757"N	81°00'19.0833"W	14299.47	161.652	1.70	-0.39	-1.65	
18908.00	89.880	160.730	6270.58	14393.61	-13661.80	4533.73	1638948.40	14252769.01	39°14'58.0933"N	81°00'18.6710"W	14394.43	161.641	1.52	0.42	1.46	
19003.00	90.030	160.460	6270.65	14488.60	-13751.41	4565.29	1638979.95	14252679.44	39°14'57.2077"N	81°00'18.2697"W	14489.41	161.635	0.33	0.16	-0.28	
19097.00	89.720	159.450	6270.86	14582.59	-13839.71	4597.51	1639012.16	14252591.17	39°14'56.3349"N	81°00'17.8601"W	14583.37	161.624	1.12	-0.33	-1.07	
19192.00	90.000	161.070	6271.09	14677.57	-13929.12	4629.59	1639044.23	14252501.79	39°14'55.4512"N	81°00'17.4522"W	14678.34	161.615	1.73	0.29	1.71	
19287.00	89.450	160.680	6271.54	14772.57	-14018.88	4660.72	1639075.34	14252412.08	39°14'54.5641"N	81°00'17.0565"W	14773.33	161.610	0.71	-0.58	-0.41	
19382.00	89.630	161.150	6272.31	14867.57	-14108.65	4691.78	1639106.39	14252322.34	39°14'53.6768"N	81°00'16.6616"W	14868.32	161.606	0.53	0.19	0.49	
19477.00	89.660	161.060	6272.89	14962.57	-14198.53	4722.54	1639137.14	14252232.49	39°14'52.7884"N	81°00'16.2705"W	14963.31	161.602	0.10	0.03	-0.09	

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Mercury Unit 1H
Field	Ritchie		API	47-085-10540-0000
Facility	Husher Pad		Wellbore	Mercury Unit 1H AWP
Slot	Slot B			

WELLPATH DATA (312 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
19572.00	89.410	160.020	6273.67	15057.56	-14288.10	4754.19	1639168.78	14252142.96	39°14'51.9032"N	81°00'15.8682"W	15058.29	161.596	1.13	-0.26	-1.09	
19667.00	89.820	161.020	6274.30	15152.55	-14377.66	4785.87	1639200.44	14252053.44	39°14'51.0180"N	81°00'15.4655"W	15153.27	161.589	1.14	0.43	1.05	
19762.00	89.690	160.860	6274.71	15247.55	-14467.45	4816.89	1639231.46	14251963.68	39°14'50.1305"N	81°00'15.0711"W	15248.27	161.585	0.22	-0.14	-0.17	
19857.00	89.780	160.520	6275.15	15342.55	-14557.11	4848.31	1639262.86	14251874.06	39°14'49.2444"N	81°00'14.6717"W	15343.25	161.579	0.37	0.09	-0.36	
19952.00	89.970	160.830	6275.36	15437.55	-14646.75	4879.74	1639294.28	14251784.45	39°14'48.3584"N	81°00'14.2721"W	15438.24	161.574	0.38	0.20	0.33	
20046.00	90.000	160.670	6275.38	15531.54	-14735.50	4910.73	1639325.26	14251695.74	39°14'47.4813"N	81°00'13.8781"W	15532.23	161.569	0.17	0.03	-0.17	
20141.00	89.690	160.600	6275.64	15626.54	-14825.12	4942.23	1639356.75	14251606.16	39°14'46.5954"N	81°00'13.4777"W	15627.22	161.563	0.33	-0.33	-0.07	
20236.00	89.690	160.960	6276.15	15721.54	-14914.83	4973.51	1639388.01	14251516.49	39°14'45.7089"N	81°00'13.0801"W	15722.21	161.558	0.38	0.00	0.38	
20331.00	89.660	160.730	6276.69	15816.54	-15004.57	5004.68	1639419.17	14251426.79	39°14'44.8219"N	81°00'12.6839"W	15817.20	161.554	0.24	-0.03	-0.24	
20426.00	89.630	160.870	6277.28	15911.53	-15094.28	5035.92	1639450.40	14251337.11	39°14'43.9352"N	81°00'12.2867"W	15912.19	161.550	0.15	-0.03	0.15	
20521.00	89.450	160.190	6278.04	16006.53	-15183.84	5067.58	1639482.05	14251247.58	39°14'43.0500"N	81°00'11.8842"W	16007.17	161.544	0.74	-0.19	-0.72	
20616.00	89.600	159.630	6278.83	16101.51	-15273.06	5100.22	1639514.67	14251158.40	39°14'42.1682"N	81°00'11.4694"W	16102.13	161.534	0.61	0.16	-0.59	
20711.00	89.690	157.980	6279.42	16196.43	-15361.63	5134.56	1639549.00	14251069.87	39°14'41.2928"N	81°00'11.0329"W	16197.02	161.518	1.74	0.09	-1.74	
20806.00	89.780	160.490	6279.86	16291.37	-15450.45	5168.24	1639582.66	14250981.08	39°14'40.4149"N	81°00'10.6048"W	16291.93	161.505	2.64	0.09	2.64	
20901.00	89.690	161.880	6280.30	16386.37	-15540.37	5198.88	1639613.29	14250891.20	39°14'39.5262"N	81°00'10.2153"W	16386.93	161.503	1.47	-0.09	1.46	
20996.00	90.000	162.380	6280.55	16481.35	-15630.79	5228.03	1639642.43	14250800.82	39°14'38.6325"N	81°00'9.8448"W	16481.92	161.506	0.62	0.33	0.53	
21091.00	91.540	162.990	6279.28	16576.30	-15721.47	5256.30	1639670.68	14250710.17	39°14'37.7363"N	81°00'9.4854"W	16576.89	161.513	1.74	1.62	0.64	
21186.00	90.000	161.880	6278.00	16671.26	-15812.03	5284.96	1639699.34	14250619.65	39°14'36.8412"N	81°00'9.1210"W	16671.86	161.518	2.00	-1.62	-1.17	
21280.00	89.880	161.540	6278.10	16765.25	-15901.28	5314.46	1639728.83	14250530.43	39°14'35.9591"N	81°00'8.7460"W	16765.86	161.520	0.38	-0.13	-0.36	
21375.00	89.750	162.060	6278.41	16860.24	-15991.53	5344.13	1639758.49	14250440.22	39°14'35.0671"N	81°00'8.3689"W	16860.86	161.521	0.56	-0.14	0.55	
21470.00	90.120	162.110	6278.51	16955.23	-16081.92	5373.36	1639787.70	14250349.87	39°14'34.1737"N	81°00'7.9974"W	16955.86	161.524	0.39	0.39	0.05	
21565.00	90.030	161.690	6278.39	17050.21	-16172.22	5402.87	1639817.20	14250259.60	39°14'33.2812"N	81°00'7.6223"W	17050.85	161.526	0.45	-0.09	-0.44	
21660.00	90.030	161.610	6278.34	17145.21	-16262.39	5432.78	1639847.10	14250169.47	39°14'32.3900"N	81°00'7.2421"W	17145.85	161.527	0.08	0.00	-0.08	
21755.00	90.120	161.680	6278.22	17240.20	-16352.55	5462.70	1639877.00	14250079.34	39°14'31.4988"N	81°00'6.8619"W	17240.85	161.528	0.12	0.09	0.07	
21850.00	90.150	162.220	6277.99	17335.19	-16442.88	5492.13	1639906.42	14249989.05	39°14'30.6061"N	81°00'6.4877"W	17335.85	161.530	0.57	0.03	0.57	
21945.00	89.750	162.200	6278.07	17430.17	-16533.33	5521.16	1639935.44	14249898.63	39°14'29.7120"N	81°00'6.1188"W	17430.84	161.534	0.42	-0.42	-0.02	
22040.00	89.480	161.150	6278.71	17525.16	-16623.51	5551.02	1639965.29	14249808.49	39°14'28.8207"N	81°00'5.7392"W	17525.84	161.534	1.14	-0.28	-1.11	
22135.00	90.150	162.780	6279.02	17620.14	-16713.84	5580.43	1639994.69	14249718.20	39°14'27.9279"N	81°00'5.3654"W	17620.83	161.537	1.86	0.71	1.72	
22230.00	90.090	161.850	6278.82	17715.12	-16804.35	5609.29	1640023.54	14249627.72	39°14'27.0333"N	81°00'4.9985"W	17715.82	161.541	0.98	-0.06	-0.98	
22325.00	90.090	161.720	6278.67	17810.11	-16894.59	5638.99	1640053.22	14249537.52	39°14'26.1414"N	81°00'4.6211"W	17810.82	161.542	0.14	0.00	-0.14	

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Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (312 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
22419.00	90.180	161.810	6278.45	17904.10	-16983.87	5668.40	1640082.62	14249448.28	39°14'25.2590"N	81°00'4.2473"W	17904.82	161.543	0.14	0.10	0.10	
22514.00	90.400	162.220	6277.97	17999.09	-17074.23	5697.73	1640111.94	14249357.96	39°14'24.3660"N	81°00'3.8744"W	17999.82	161.546	0.49	0.23	0.43	
22609.00	90.250	162.010	6277.43	18094.07	-17164.63	5726.91	1640141.11	14249267.59	39°14'23.4724"N	81°00'3.5036"W	18094.81	161.549	0.27	-0.16	-0.22	
22704.00	90.150	162.120	6277.10	18189.05	-17255.02	5756.16	1640170.35	14249177.24	39°14'22.5791"N	81°00'3.1318"W	18189.81	161.552	0.16	-0.11	0.12	
22799.00	90.280	161.830	6276.74	18284.04	-17345.35	5785.56	1640199.73	14249086.94	39°14'21.6862"N	81°00'2.7582"W	18284.80	161.554	0.33	0.14	-0.31	
22894.00	90.250	161.400	6276.30	18379.03	-17435.50	5815.52	1640229.68	14248996.82	39°14'20.7952"N	81°00'2.3774"W	18379.80	161.554	0.45	-0.03	-0.45	
22988.00	90.030	161.510	6276.07	18473.03	-17524.62	5845.42	1640259.57	14248907.74	39°14'19.9143"N	81°00'1.9974"W	18473.80	161.554	0.26	-0.23	0.12	
23083.00	90.340	161.790	6275.77	18568.02	-17614.79	5875.33	1640289.46	14248817.61	39°14'19.0231"N	81°00'1.6173"W	18568.80	161.554	0.44	0.33	0.29	
23178.00	90.220	162.130	6275.30	18663.01	-17705.12	5904.75	1640318.87	14248727.32	39°14'18.1303"N	81°00'1.2434"W	18663.80	161.556	0.38	-0.13	0.36	
23273.00	90.180	161.910	6274.97	18757.99	-17795.48	5934.07	1640348.18	14248636.99	39°14'17.2372"N	81°00'0.8707"W	18758.79	161.559	0.24	-0.04	-0.23	
23368.00	90.370	161.880	6274.51	18852.98	-17885.78	5963.59	1640377.69	14248546.73	39°14'16.3448"N	81°00'0.4955"W	18853.79	161.560	0.20	0.20	-0.03	
23463.00	90.180	161.700	6274.06	18947.97	-17976.02	5993.28	1640407.37	14248456.53	39°14'15.4529"N	81°00'0.1182"W	18948.79	161.561	0.28	-0.20	-0.19	
23557.00	90.150	161.510	6273.79	19041.97	-18065.21	6022.94	1640437.02	14248367.37	39°14'14.5712"N	80°59'59.7412"W	19042.79	161.562	0.20	-0.03	-0.20	
23652.00	90.430	162.060	6273.31	19136.96	-18155.45	6052.64	1640466.70	14248277.17	39°14'13.6794"N	80°59'59.3638"W	19137.78	161.563	0.65	0.29	0.58	
23747.00	90.310	161.930	6272.69	19231.94	-18245.80	6082.00	1640496.06	14248186.86	39°14'12.7864"N	80°59'58.9906"W	19232.78	161.565	0.19	-0.13	-0.14	
23842.00	90.120	160.820	6272.34	19326.94	-18335.82	6112.34	1640526.38	14248096.87	39°14'11.8966"N	80°59'58.6051"W	19327.78	161.564	1.19	-0.20	-1.17	
23937.00	90.150	160.300	6272.11	19421.93	-18425.40	6143.96	1640557.99	14248007.32	39°14'11.0112"N	80°59'58.2032"W	19422.76	161.559	0.55	0.03	-0.55	
24032.00	90.120	159.550	6271.89	19516.92	-18514.63	6176.57	1640590.58	14247918.13	39°14'10.1293"N	80°59'57.7888"W	19517.72	161.551	0.79	-0.03	-0.79	
24127.00	90.120	161.110	6271.69	19611.91	-18604.08	6208.54	1640622.55	14247828.71	39°14'9.2451"N	80°59'57.3825"W	19612.70	161.545	1.64	0.00	1.64	
24222.00	90.250	161.240	6271.38	19706.90	-18694.00	6239.20	1640653.19	14247738.83	39°14'8.3564"N	80°59'56.9929"W	19707.70	161.543	0.19	0.14	0.14	
24317.00	90.120	161.030	6271.08	19801.90	-18783.90	6269.91	1640683.89	14247648.97	39°14'7.4679"N	80°59'56.6025"W	19802.69	161.541	0.26	-0.14	-0.22	
24412.00	89.970	161.080	6271.00	19896.90	-18873.75	6300.76	1640714.72	14247559.15	39°14'6.5798"N	80°59'56.2106"W	19897.69	161.539	0.17	-0.16	0.05	
24507.00	90.120	160.880	6270.93	19991.90	-18963.57	6331.72	1640745.67	14247469.38	39°14'5.6921"N	80°59'55.8171"W	19992.68	161.536	0.26	0.16	-0.21	
24602.00	90.120	160.940	6270.73	20086.90	-19053.34	6362.79	1640776.73	14247379.64	39°14'4.8048"N	80°59'55.4223"W	20087.68	161.533	0.06	0.00	0.06	
24696.00	90.090	160.150	6270.56	20180.90	-19141.97	6394.10	1640808.03	14247291.04	39°14'3.9287"N	80°59'55.0244"W	20181.66	161.529	0.84	-0.03	-0.84	
24791.00	90.090	161.070	6270.41	20275.90	-19231.58	6425.63	1640839.55	14247201.47	39°14'3.0430"N	80°59'54.6236"W	20276.65	161.525	0.97	0.00	0.97	
24886.00	90.120	161.310	6270.23	20370.89	-19321.51	6456.27	1640870.17	14247111.58	39°14'2.1542"N	80°59'54.2344"W	20371.65	161.523	0.25	0.03	0.25	
24981.00	89.850	160.910	6270.26	20465.89	-19411.39	6487.02	1640900.91	14247021.73	39°14'1.2658"N	80°59'53.8435"W	20466.65	161.521	0.51	-0.28	-0.42	
25076.00	89.850	160.570	6270.51	20560.89	-19501.08	6518.36	1640932.24	14246932.08	39°14'0.3794"N	80°59'53.4453"W	20561.64	161.517	0.36	0.00	-0.36	
25266.00	90.060	160.890	6270.66	20750.89	-19680.43	6581.06	1640994.92	14246752.80	39°13'58.6067"N	80°59'52.6485"W	20751.62	161.510	0.20	0.11	0.17	



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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Mercury Unit 1H
Field	Ritchie		API	47-085-10540-0000
Facility	Husher Pad		Wellbore	Mercury Unit 1H AWB
Slot	Slot B			

WELLPATH DATA (312 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect	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
25361.00	90.000	160.870	6270.61	20845.89	-19770.19	6612.18	1641026.02	14246663.08	39°13'57.7195"N	80°59'52.2531"W	20846.61	161.507	0.07	-0.06	-0.02	
25456.00	90.030	160.710	6270.58	20940.89	-19859.90	6643.44	1641057.27	14246573.40	39°13'56.8328"N	80°59'51.8559"W	20941.61	161.504	0.17	0.03	-0.17	
25551.00	90.370	160.920	6270.25	21035.89	-19949.62	6674.66	1641088.47	14246483.72	39°13'55.9460"N	80°59'51.4592"W	21036.60	161.501	0.42	0.36	0.22	
25645.00	90.590	160.950	6269.46	21129.88	-20038.46	6705.36	1641119.16	14246394.91	39°13'55.0679"N	80°59'51.0690"W	21130.59	161.499	0.24	0.23	0.03	
25740.00	90.550	160.750	6268.52	21224.88	-20128.20	6736.52	1641150.31	14246305.21	39°13'54.1809"N	80°59'50.6730"W	21225.58	161.496	0.21	-0.04	-0.21	
25835.00	90.650	160.870	6267.52	21319.87	-20217.92	6767.75	1641181.53	14246215.53	39°13'53.2942"N	80°59'50.2763"W	21320.57	161.493	0.16	0.11	0.13	
25930.00	90.550	161.150	6266.53	21414.87	-20307.74	6798.66	1641212.42	14246125.74	39°13'52.4064"N	80°59'49.8835"W	21415.56	161.490	0.31	-0.11	0.29	
26025.00	90.370	160.480	6265.77	21509.86	-20397.46	6829.88	1641243.63	14246036.06	39°13'51.5196"N	80°59'49.4868"W	21510.55	161.487	0.73	-0.19	-0.71	
26120.00	90.710	161.130	6264.87	21604.86	-20487.18	6861.11	1641274.85	14245946.38	39°13'50.6329"N	80°59'49.0899"W	21605.54	161.484	0.77	0.36	0.68	
26215.00	90.280	160.590	6264.05	21699.85	-20576.92	6892.25	1641305.98	14245856.67	39°13'49.7458"N	80°59'48.6942"W	21700.53	161.482	0.73	-0.45	-0.57	
26310.00	91.820	163.720	6262.31	21794.80	-20667.32	6921.36	1641335.08	14245766.31	39°13'48.8523"N	80°59'48.3244"W	21795.49	161.485	3.67	1.62	3.29	
26404.00	90.650	161.150	6260.28	21888.74	-20756.91	6949.72	1641363.42	14245676.75	39°13'47.9668"N	80°59'47.9640"W	21889.45	161.489	3.00	-1.24	-2.73	
26499.00	90.620	160.710	6259.23	21983.74	-20846.69	6980.75	1641394.45	14245587.01	39°13'47.0794"N	80°59'47.5697"W	21984.44	161.486	0.46	-0.03	-0.46	
26594.00	90.680	160.680	6258.15	22078.73	-20936.34	7012.16	1641425.84	14245497.39	39°13'46.1933"N	80°59'47.1706"W	22079.42	161.483	0.07	0.06	-0.03	
26689.00	90.860	160.980	6256.87	22173.72	-21026.07	7043.35	1641457.02	14245407.71	39°13'45.3065"N	80°59'46.7743"W	22174.41	161.480	0.37	0.19	0.32	
26784.00	90.580	160.460	6255.68	22268.71	-21115.73	7074.72	1641488.37	14245318.08	39°13'44.4203"N	80°59'46.3758"W	22269.39	161.477	0.62	-0.29	-0.55	
26879.00	90.990	161.340	6254.38	22363.70	-21205.49	7105.80	1641519.44	14245228.35	39°13'43.5331"N	80°59'45.9808"W	22364.37	161.474	1.02	0.43	0.93	
26973.00	90.280	160.760	6253.34	22457.69	-21294.39	7136.32	1641549.95	14245139.49	39°13'42.6544"N	80°59'45.5930"W	22458.36	161.473	0.98	-0.76	-0.62	
27068.00	90.220	160.950	6252.92	22552.69	-21384.13	7167.48	1641581.10	14245049.78	39°13'41.7674"N	80°59'45.1972"W	22553.36	161.470	0.21	-0.06	0.20	
27163.00	90.280	160.770	6252.51	22647.69	-21473.88	7198.63	1641612.23	14244960.07	39°13'40.8803"N	80°59'44.8014"W	22648.35	161.467	0.20	0.06	-0.19	
27258.00	90.220	160.700	6252.09	22742.69	-21563.56	7229.97	1641643.56	14244870.43	39°13'39.9939"N	80°59'44.4032"W	22743.34	161.464	0.10	-0.06	-0.07	
27353.00	90.310	160.810	6251.65	22837.69	-21653.25	7261.28	1641674.86	14244780.77	39°13'39.1074"N	80°59'44.0053"W	22838.34	161.461	0.15	0.09	0.12	
27448.00	90.150	160.690	6251.27	22932.69	-21742.94	7292.60	1641706.17	14244691.12	39°13'38.2209"N	80°59'43.6074"W	22933.33	161.458	0.21	-0.17	-0.13	
27543.00	90.280	160.810	6250.92	23027.68	-21832.63	7323.92	1641737.48	14244601.47	39°13'37.3345"N	80°59'43.2094"W	23028.32	161.456	0.19	0.14	0.13	
27638.00	90.280	160.830	6250.45	23122.68	-21922.35	7355.13	1641768.68	14244511.78	39°13'36.4476"N	80°59'42.8129"W	23123.31	161.453	0.02	0.00	0.02	
27732.00	90.220	160.900	6250.04	23216.68	-22011.16	7385.95	1641799.48	14244423.01	39°13'35.5699"N	80°59'42.4214"W	23217.31	161.451	0.10	-0.06	0.07	
27827.00	90.280	160.950	6249.63	23311.68	-22100.94	7416.99	1641830.51	14244333.26	39°13'34.6824"N	80°59'42.0270"W	23312.30	161.448	0.08	0.06	0.05	
27922.00	90.370	161.040	6249.09	23406.68	-22190.76	7447.93	1641861.44	14244243.48	39°13'33.7947"N	80°59'41.6339"W	23407.30	161.447	0.13	0.09	0.09	
28017.00	90.150	160.680	6248.66	23501.68	-22280.51	7479.08	1641892.57	14244153.77	39°13'32.9076"N	80°59'41.2382"W	23502.29	161.444	0.44	-0.23	-0.38	
28111.00	90.180	160.780	6248.39	23595.67	-22369.24	7510.10	1641923.58	14244065.07	39°13'32.0305"N	80°59'40.8441"W	23596.28	161.441	0.11	0.03	0.11	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (312 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
28206.00	90.150	160.850	6248.11	23690.67	-22458.97	7541.32	1641954.79	14243975.38	39°13'31.1437"N	80°59'40.4474"W	23691.28	161.439	0.08	-0.03	0.07	
28301.00	90.180	160.880	6247.84	23785.67	-22548.72	7572.46	1641985.91	14243885.67	39°13'30.2566"N	80°59'40.0518"W	23786.27	161.437	0.04	0.03	0.03	
28396.00	90.280	160.880	6247.46	23880.67	-22638.47	7603.57	1642017.02	14243795.94	39°13'29.3694"N	80°59'39.6565"W	23881.27	161.434	0.11	0.11	0.00	
28491.00	90.150	160.720	6247.10	23975.67	-22728.19	7634.82	1642048.25	14243706.27	39°13'28.4827"N	80°59'39.2596"W	23976.26	161.432	0.22	-0.14	-0.17	
28585.00	90.250	160.880	6246.77	24069.67	-22816.96	7665.73	1642079.15	14243617.53	39°13'27.6053"N	80°59'38.8668"W	24070.25	161.429	0.20	0.11	0.17	
28680.00	90.090	160.550	6246.49	24164.67	-22906.63	7697.10	1642110.51	14243527.90	39°13'26.7190"N	80°59'38.4682"W	24165.25	161.427	0.39	-0.17	-0.35	
28775.00	90.220	161.110	6246.23	24259.67	-22996.36	7728.30	1642141.69	14243438.20	39°13'25.8321"N	80°59'38.0719"W	24260.24	161.424	0.61	0.14	0.59	
28870.00	90.180	160.860	6245.90	24354.66	-23086.18	7759.25	1642172.63	14243348.42	39°13'24.9443"N	80°59'37.6787"W	24355.24	161.423	0.27	-0.04	-0.26	
28964.00	90.430	161.020	6245.40	24448.66	-23175.02	7789.95	1642203.32	14243259.61	39°13'24.0662"N	80°59'37.2887"W	24449.23	161.421	0.32	0.27	0.17	
29059.00	90.890	161.210	6244.31	24543.66	-23264.90	7820.69	1642234.05	14243169.77	39°13'23.1778"N	80°59'36.8981"W	24544.22	161.419	0.52	0.48	0.20	
29066.00	90.950	161.110	6244.20	24550.66	-23271.53	7822.95	1642236.31	14243163.15	39°13'23.1123"N	80°59'36.8694"W	24551.22	161.419	1.67	0.86	-1.43	
29091.00‡	90.950	161.110	6243.78	24575.65	-23295.18	7831.05	1642244.40	14243139.51	39°13'22.8786"N	80°59'36.7666"W	24576.22	161.419	0.00	0.00	0.00	Projected MD at TD: 29091'

HOLE & CASING SECTIONS - Ref Wellbore: Mercury Unit 1H AWB Ref Wellpath: Mercury Unit 1H AWP Proj: 29091'									
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	0.48	-0.29
17.5in Open Hole	130.00	506.00	376.00	130.00	505.99	0.48	-0.29	0.90	-1.51
13.375in Casing Surface	30.00	486.00	456.00	30.00	485.99	0.00	0.00	0.93	-1.47
12.25in Open Hole	506.00	6145.00	5639.00	505.99	5797.23	0.90	-1.51	-1769.98	437.78
9.625in Casing Intermediate	30.00	6096.00	6066.00	30.00	5752.31	0.00	0.00	-1751.10	432.59
8.5in Open Hole	6145.00	29091.00	22946.00	5797.23	6243.78	-1769.98	437.78	-23295.18	7831.05
5.5in Casing Production	30.00	29071.00	29041.00	30.00	6244.11	0.00	0.00	-23276.26	7824.57

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Actual Wellpath Report

Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Mercury Unit 1H POE Rev-2	6174.00	-2090.16	551.81	1634968.09	14264336.00	39°16'52.4593"N	81°01'9.3173"W	point
Mercury Unit 1H POE Rev-1	6177.00	-2073.86	546.21	1634962.49	14264352.29	39°16'52.6204"N	81°01'9.3886"W	point
Mercury Unit 1H BHL Rev-1	6217.00	-23665.36	7968.99	1642382.29	14242769.47	39°13'19.2196"N	80°59'35.0142"W	point
Mercury Unit 1H BHL Rev-2	6217.00	-23294.87	7841.62	1642254.97	14243139.82	39°13'22.8816"N	80°59'36.6323"W	point
Mercury Unit 1H LP Rev-2	6217.00	-2296.10	622.61	1635038.86	14264130.14	39°16'50.4240"N	81°01'8.4164"W	point
Mercury Unit 1H 50' L/R Hard Line Rev-2	7000.00	-12692.51	4196.72	1638611.53	14253737.91	39°15'7.6733"N	81°00'22.9556"W	rectangle
2D Rectangle 22422.8 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Mercury Unit 1H AWB Ref Wellpath: Mercury Unit 1H AWP Proj: 29091'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	377.00	Gyrodatta 2015 - GC+WIR+DPIPE	01_Gyrodatta MS Gyro <17-1/2"> (100'-377')	Mercury Unit 1H AWB	2/27/2025
377.00	6070.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (377')(592'-6070')	Mercury Unit 1H AWB	2/27/2025
6070.00	29091.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	03_BH Lucida <8-1/2"> (6070')(6196'-29066')	Mercury Unit 1H AWB	3/24/2025



Actual Wellpath Report

Mercury Unit 1H AWP Proj: 29091'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Mercury Unit 1H
Field	Ritchie	API	47-085-10540-0000
Facility	Husher Pad	Wellbore	Mercury Unit 1H AWB
Slot	Slot B		

COMMENTS
<p>Wellpath general comments API: 47-085-10540-0000 BH Job #: 112579066 Rig: H&P 519 Duration: 3/27/2025-3/31/2025 Gyrodatta MS Gyro <17-1/2"> (100'-377') APS EM <12-1/4"> (377')(592'-6070') BH Lucida <8-1/2"> (6070')(6196'-29066') Sycamore: 6311' MD Middlesex: 6429' MD Burkett: 6592' MD Tully: 6644' MD Marcellus POE: 6656' MD Projected MD at TD: 29091'</p>