



ANTERO RESOURCES CORPORATION

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

Slot: Slot #02
 Well: Patty Unit 2H
 Wellbore: Patty Unit 2H PWB

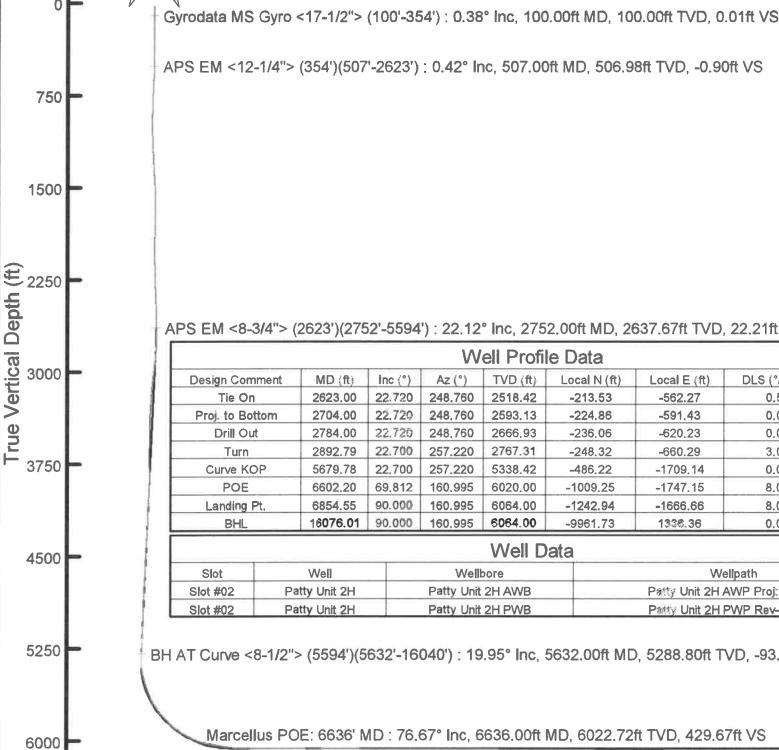


Plot reference wellpath is Patty Unit 2H PWP Rev-B.0_01	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 913 feet	Coordinates are in feet referenced to Ssk4
Mean Sea Level to Ground level (At Slot: Slot #02): -83 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edasanyan 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)	Latitude
Slot #02	14.84	3.12	1647744.650	14338833.020	39°29'9.0466"N
Comment: Patty Unit 2H					
H&P 519 (RKB) to Ground level (At Slot: Slot #02)				30ft	
Mean Sea Level to Ground level (At Slot: Slot #02)				-883ft	
H&P 519 (RKB) to Mean Sea Level				913ft	



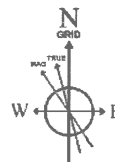
Scale 1 inch = 1500



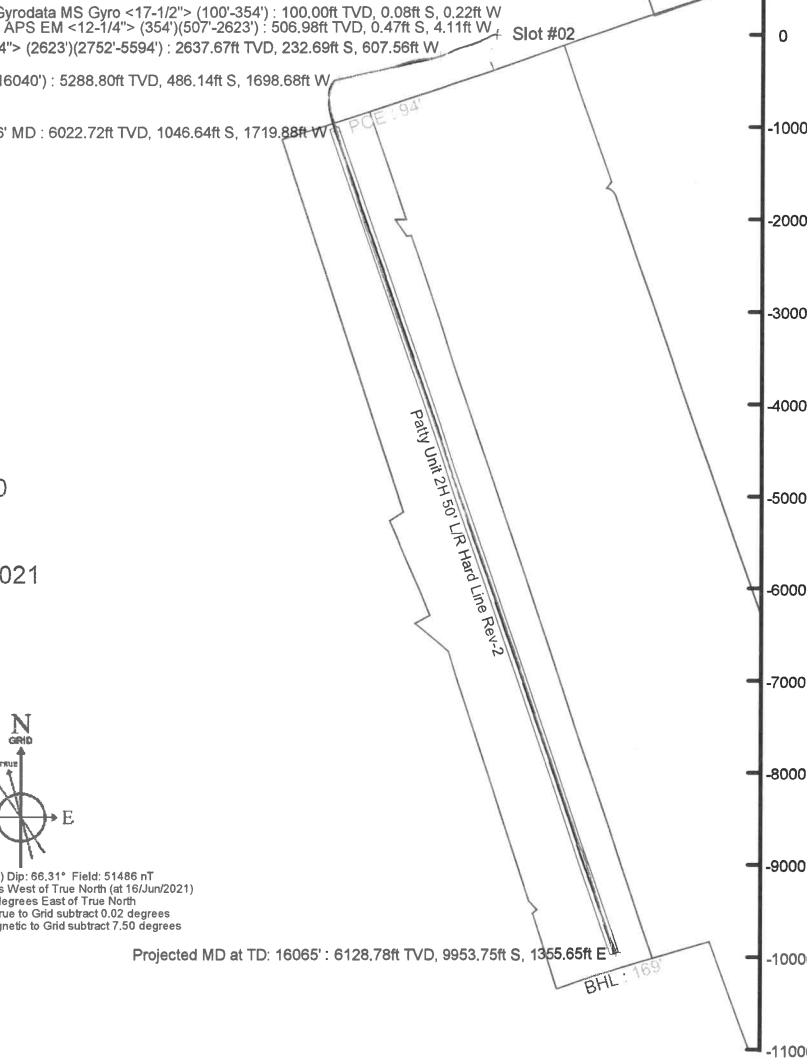
Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	2623.00	22.720	248.760	2518.42	-213.53	-662.27	0.54	18.84
Proj. to Bottom	2704.00	22.720	248.760	2593.13	-224.86	-591.43	0.00	20.06
Drill Out	2784.00	22.720	248.760	2666.93	-236.06	-620.23	0.00	21.27
Turn	2892.79	22.700	257.220	2767.31	-248.32	-660.29	3.00	19.82
Curve KOP	5679.78	22.700	257.220	5338.42	-486.22	-1709.14	0.00	-96.71
POE	6602.20	69.812	160.995	6020.00	-1009.25	-1747.15	8.00	385.45
Landing Pt.	6854.55	90.000	160.995	6064.00	-1242.94	-1666.66	8.00	632.62
BHL	16076.01	90.000	160.995	6064.00	-9961.73	1338.36	0.00	9854.07

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #02	Patty Unit 2H	Patty Unit 2H AWP	Patty Unit 2H AWP Proj: 16065'
Slot #02	Patty Unit 2H	Patty Unit 2H PWB	Patty Unit 2H PWP Rev-B.0_01

API: 47-095-02733-0000
 BH Job #: 110883627
 Rig: H&P 519
 Duration: 6/17/2021-6/19/2021



User specified (HDGM) Dip: 66.31° Field: 51486 nT
 Magnetic North is 7.48 degrees West of True North (at 16/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



Projected MD at TD: 16065' : 6128.78ft TVD, 9953.75ft S, 1355.65ft E
 BHL : 169

Projected MD at TD: 16065' : 89.51° Inc, 16065.00ft MD, 6128.78ft TVD, 9852.82ft VS

Vertical Section (ft)
 Azimuth 161.00° with reference 0.00 N, 0.00 E

Scale 1 inch = 1500



Actual Wellpath Report

Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

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 22:11
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	14.84	3.12	1647744.65	14338833.02	39°29'9.0466"N	80°58'26.5001"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 #02)	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	161.00°



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Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (180 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	248.640	0.00	0.00	0.00	0.00	1647744.65	14338833.02	39°29'9.0466"N	80°58'26.5001"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	248.640	30.00	0.00	0.00	0.00	1647744.65	14338833.02	39°29'9.0466"N	80°58'26.5001"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.380	248.640	100.00	0.01	-0.08	-0.22	1647744.43	14338832.94	39°29'9.0458"N	80°58'26.5029"W	0.23	248.640	0.54	0.54	0.00	Gyrodata MS Gyro <17-1/2"> (100'-354')
200.00	0.550	245.460	200.00	0.07	-0.40	-0.96	1647743.69	14338832.62	39°29'9.0426"N	80°58'26.5124"W	1.04	247.178	0.17	0.17	-3.18	
300.00	0.920	261.270	299.99	-0.03	-0.73	-2.19	1647742.46	14338832.29	39°29'9.0395"N	80°58'26.5281"W	2.31	251.676	0.42	0.37	15.81	
354.00	0.580	269.040	353.98	-0.19	-0.80	-2.89	1647741.76	14338832.22	39°29'9.0388"N	80°58'26.5370"W	3.00	254.614	0.66	-0.63	14.39	
507.00	0.420	307.300	506.98	-0.90	-0.47	-4.11	1647740.54	14338832.55	39°29'9.0420"N	80°58'26.5526"W	4.14	263.491	0.24	-0.10	25.01	APS EM <12-1/4"> (354')(507'-2623')
597.00	2.190	287.440	596.95	-2.19	0.25	-6.02	1647738.64	14338833.27	39°29'9.0491"N	80°58'26.5769"W	6.02	272.341	2.00	1.97	-22.07	
689.00	4.410	284.480	688.79	-5.19	1.66	-11.12	1647733.54	14338834.68	39°29'9.0630"N	80°58'26.6419"W	11.24	278.478	2.42	2.41	-3.22	
779.00	6.330	272.550	778.40	-8.92	2.74	-19.43	1647725.23	14338835.76	39°29'9.0738"N	80°58'26.7479"W	19.62	278.038	2.46	2.13	-13.26	
869.00	7.770	262.750	867.72	-11.98	2.20	-30.42	1647714.24	14338835.22	39°29'9.0684"N	80°58'26.8881"W	30.50	274.130	2.08	1.60	-10.89	
958.00	9.400	254.030	955.72	-13.59	-0.56	-43.38	1647701.29	14338832.46	39°29'9.0412"N	80°58'27.0534"W	43.38	269.257	2.34	1.83	-9.80	
1049.00	10.730	244.590	1045.32	-13.04	-6.24	-58.17	1647686.50	14338826.78	39°29'8.9851"N	80°58'27.2421"W	58.51	263.875	2.32	1.46	-10.37	
1144.00	12.760	241.130	1138.33	-10.25	-15.10	-75.35	1647669.33	14338817.92	39°29'8.8976"N	80°58'27.4612"W	76.85	258.665	2.26	2.14	-3.64	
1239.00	14.930	241.770	1230.57	-6.49	-25.96	-95.32	1647649.36	14338807.07	39°29'8.7903"N	80°58'27.7160"W	98.80	254.766	2.29	2.28	0.67	
1333.00	16.740	239.980	1321.00	-1.96	-38.46	-117.72	1647626.98	14338794.57	39°29'8.6668"N	80°58'28.0016"W	123.84	251.906	1.99	1.93	-1.90	
1428.00	18.920	240.640	1411.43	3.43	-52.86	-142.99	1647601.72	14338780.18	39°29'8.5246"N	80°58'28.3240"W	152.45	249.712	2.30	2.29	0.69	
1522.00	21.110	244.480	1499.75	8.09	-67.63	-171.55	1647573.17	14338765.42	39°29'8.3787"N	80°58'28.6884"W	184.40	248.485	2.72	2.33	4.09	
1617.00	21.990	249.110	1588.11	10.62	-81.34	-203.61	1647541.12	14338751.71	39°29'8.2433"N	80°58'29.0973"W	219.26	248.224	2.01	0.93	4.87	
1712.00	22.230	251.580	1676.13	11.02	-93.36	-237.28	1647507.47	14338739.70	39°29'8.1246"N	80°58'29.5267"W	254.98	248.522	1.01	0.25	2.60	
1806.00	22.850	253.580	1762.95	10.02	-104.14	-271.66	1647473.10	14338728.92	39°29'8.0181"N	80°58'29.9652"W	290.93	249.026	1.05	0.66	2.13	
1901.00	23.190	253.250	1850.38	8.46	-114.74	-307.26	1647437.51	14338718.32	39°29'7.9134"N	80°58'30.4194"W	327.99	249.522	0.38	0.36	-0.35	
1996.00	23.380	253.050	1937.65	7.05	-125.63	-343.20	1647401.59	14338707.44	39°29'7.8059"N	80°58'30.8778"W	365.47	249.895	0.22	0.20	-0.21	
2090.00	22.670	250.610	2024.16	6.51	-137.08	-378.13	1647366.67	14338695.99	39°29'7.6928"N	80°58'31.3233"W	402.21	250.073	1.27	-0.76	-2.60	
2185.00	22.080	248.720	2112.01	7.34	-149.64	-412.04	1647332.78	14338683.44	39°29'7.5688"N	80°58'31.7559"W	438.37	250.041	0.98	-0.62	-1.99	
2279.00	21.690	247.530	2199.23	9.09	-162.69	-444.55	1647300.28	14338670.39	39°29'7.4399"N	80°58'32.1706"W	473.39	249.899	0.63	-0.41	-1.27	
2374.00	21.130	245.570	2287.68	11.78	-176.48	-476.37	1647268.48	14338656.61	39°29'7.3037"N	80°58'32.5764"W	508.01	249.672	0.96	-0.59	-2.06	
2469.00	21.930	245.420	2376.05	15.12	-190.94	-508.09	1647236.76	14338642.15	39°29'7.1609"N	80°58'32.9810"W	542.78	249.403	0.84	0.84	-0.16	
2564.00	22.590	248.000	2463.97	17.80	-205.16	-541.14	1647203.73	14338627.94	39°29'7.0204"N	80°58'33.4026"W	578.73	249.237	1.24	0.69	2.72	
2623.00	22.720	248.760	2518.42	18.84	-213.53	-562.27	1647182.61	14338619.57	39°29'6.9378"N	80°58'33.6721"W	601.45	249.205	0.54	0.22	1.29	



Actual Wellpath Report

Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (180 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]	
2752.00	22.120	245.330	2637.67	22.21	-232.69	-607.56	1647137.33	14338600.42	39°29'6.7485"N	80°58'34.2498"W	650.60	249.043	1.12	-0.47	-2.66	APS EM <8-3/4"> (2623')(2752-5594)
2847.00	20.890	250.920	2726.07	24.01	-245.70	-639.82	1647105.08	14338587.42	39°29'6.6200"N	80°58'34.6614"W	685.38	248.993	2.51	-1.29	5.88	
2941.00	20.170	262.270	2814.13	20.86	-253.36	-671.73	1647073.19	14338579.76	39°29'6.5444"N	80°58'35.0684"W	717.93	249.335	4.30	-0.77	12.07	
3038.00	22.210	266.440	2904.57	12.71	-256.75	-706.61	1647038.32	14338576.38	39°29'6.5110"N	80°58'35.5132"W	751.81	250.031	2.61	2.10	4.30	
3133.00	24.580	266.850	2991.76	2.53	-258.95	-744.26	1647000.69	14338574.18	39°29'6.4893"N	80°58'35.9934"W	788.02	250.816	2.50	2.49	0.43	
3228.00	24.110	264.490	3078.31	-7.39	-261.90	-783.31	1646961.66	14338571.23	39°29'6.4603"N	80°58'36.4914"W	825.93	251.513	1.14	-0.49	-2.48	
3322.00	23.250	262.380	3164.40	-15.53	-266.20	-820.81	1646924.17	14338566.93	39°29'6.4179"N	80°58'36.9697"W	862.90	252.031	1.28	-0.91	-2.24	
3417.00	22.460	260.510	3251.94	-22.23	-271.68	-857.29	1646887.70	14338561.45	39°29'6.3638"N	80°58'37.4351"W	899.31	252.416	1.13	-0.83	-1.97	
3512.00	23.960	257.810	3339.25	-27.51	-278.75	-894.05	1646850.96	14338554.39	39°29'6.2941"N	80°58'37.9039"W	936.49	252.684	1.94	1.58	-2.84	
3606.00	23.770	254.410	3425.22	-30.90	-287.87	-930.95	1646814.07	14338545.27	39°29'6.2040"N	80°58'38.3746"W	974.44	252.817	1.48	-0.20	-3.62	
3701.00	22.660	250.220	3512.53	-31.79	-299.21	-966.62	1646778.42	14338533.93	39°29'6.0920"N	80°58'38.8295"W	1011.87	252.801	2.09	-1.17	-4.41	
3795.00	23.710	253.100	3598.94	-32.24	-310.83	-1001.74	1646743.31	14338522.32	39°29'5.9772"N	80°58'39.2775"W	1048.86	252.761	1.64	1.12	3.06	
3890.00	23.560	252.090	3685.97	-33.30	-322.22	-1038.08	1646706.98	14338510.93	39°29'5.8647"N	80°58'39.7410"W	1086.94	252.756	0.45	-0.16	-1.06	
3984.00	23.060	248.520	3772.30	-32.86	-334.74	-1073.09	1646671.99	14338498.41	39°29'5.7411"N	80°58'40.1876"W	1124.09	252.675	1.59	-0.53	-3.80	
4079.00	23.530	251.030	3859.56	-32.07	-347.72	-1108.34	1646636.75	14338485.44	39°29'5.6129"N	80°58'40.6372"W	1161.61	252.582	1.16	0.49	2.64	
4174.00	23.800	255.740	3946.58	-33.66	-358.60	-1144.86	1646600.25	14338474.56	39°29'5.5054"N	80°58'41.1029"W	1199.70	252.608	2.01	0.28	4.96	
4268.00	23.740	260.300	4032.62	-38.29	-366.47	-1181.89	1646563.23	14338466.70	39°29'5.4278"N	80°58'41.5753"W	1237.40	252.773	1.96	-0.06	4.85	
4363.00	23.210	257.100	4119.76	-43.37	-373.87	-1218.99	1646526.15	14338459.30	39°29'5.3547"N	80°58'42.0485"W	1275.04	252.949	1.45	-0.56	-3.37	
4458.00	22.560	252.430	4207.28	-45.81	-383.55	-1254.61	1646490.54	14338449.63	39°29'5.2591"N	80°58'42.5029"W	1311.93	253.001	2.03	-0.68	-4.92	
4552.00	22.050	256.300	4294.26	-47.89	-393.17	-1288.95	1646456.22	14338440.01	39°29'5.1641"N	80°58'42.9408"W	1347.58	253.037	1.65	-0.54	4.12	
4647.00	22.820	262.190	4382.08	-53.11	-399.90	-1324.53	1646420.65	14338433.28	39°29'5.0977"N	80°58'43.3946"W	1383.58	253.200	2.50	0.81	6.20	
4742.00	22.850	259.670	4469.63	-59.47	-405.71	-1360.93	1646384.27	14338427.47	39°29'5.0404"N	80°58'43.8589"W	1420.12	253.400	1.03	0.03	-2.65	
4836.00	21.830	254.110	4556.59	-63.17	-413.77	-1395.70	1646349.51	14338419.42	39°29'4.9608"N	80°58'44.3023"W	1455.74	253.487	2.50	-1.09	-5.91	
4931.00	22.620	257.480	4644.53	-66.19	-422.57	-1430.52	1646314.70	14338410.62	39°29'4.8739"N	80°58'44.7465"W	1491.63	253.543	1.58	0.83	3.55	
5026.00	24.180	259.820	4731.72	-71.24	-429.97	-1467.51	1646277.73	14338403.23	39°29'4.8009"N	80°58'45.2183"W	1529.20	253.670	1.91	1.64	2.46	
5120.00	24.380	256.830	4817.41	-76.16	-437.79	-1505.35	1646239.90	14338395.41	39°29'4.7236"N	80°58'45.7009"W	1567.72	253.784	1.33	0.21	-3.18	
5215.00	24.320	251.100	4903.97	-78.18	-448.59	-1542.96	1646202.31	14338384.61	39°29'4.6169"N	80°58'46.1806"W	1606.85	253.789	2.49	-0.06	-6.03	
5310.00	23.780	254.030	4990.72	-79.23	-460.20	-1579.88	1646165.41	14338373.00	39°29'4.5023"N	80°58'46.6515"W	1645.54	253.760	1.38	-0.57	3.08	
5405.00	22.930	259.280	5077.95	-82.91	-468.91	-1616.48	1646128.82	14338364.29	39°29'4.4163"N	80°58'47.1183"W	1683.12	253.823	2.37	-0.89	5.53	
5499.00	22.470	256.740	5164.67	-87.34	-476.44	-1651.96	1646093.35	14338356.77	39°29'4.3420"N	80°58'47.5708"W	1719.29	253.912	1.15	-0.49	-2.70	



Actual Wellpath Report

Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
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Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (180 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)	
5594.00	20.310	259.130	5253.12	-91.49	-483.71	-1685.83	1646059.50	14338349.50	39°29'4.2701"N	80°58'48.0028"W	1753.85	253.990	2.45	-2.27	2.52	
5632.00	19.950	259.510	5288.80	-93.38	-486.14	-1698.68	1646046.66	14338347.08	39°29'4.2462"N	80°58'48.1667"W	1766.87	254.030	1.01	-0.95	1.00	BH AT Curve <8-1/2"> (5594')(5632'-16040')
5704.00	20.500	249.090	5356.38	-94.78	-492.88	-1722.54	1646022.80	14338340.34	39°29'4.1797"N	80°58'48.4711"W	1791.67	254.032	5.05	0.76	-14.47	
5799.00	20.300	221.790	5445.63	-86.16	-511.14	-1749.12	1645996.23	14338322.08	39°29'3.9992"N	80°58'48.8101"W	1822.28	253.710	9.94	-0.21	-28.74	
5893.00	22.940	204.100	5533.10	-64.80	-540.06	-1767.49	1645977.87	14338293.18	39°29'3.7135"N	80°58'49.0445"W	1848.16	253.009	7.45	2.81	-18.82	
5988.00	28.470	202.740	5618.67	-34.37	-577.87	-1783.82	1645961.55	14338255.38	39°29'3.3398"N	80°58'49.2528"W	1875.08	252.050	5.85	5.82	-1.43	
6082.00	34.410	193.650	5698.87	4.77	-624.41	-1798.77	1645946.61	14338208.86	39°29'2.8798"N	80°58'49.4436"W	1904.06	250.856	8.07	6.32	-9.67	
6177.00	40.820	181.310	5774.19	56.62	-681.68	-1805.83	1645939.55	14338151.61	39°29'2.3138"N	80°58'49.5338"W	1930.21	249.319	10.38	6.75	-12.99	
6243.00†	44.400	175.469	5822.78	99.24	-726.30	-1804.50	1645940.88	14338107.02	39°29'1.8729"N	80°58'49.5170"W	1945.18	248.076	8.08	5.42	-8.85	Sycamore: 6243' MD
6272.00	46.060	173.140	5843.21	119.27	-746.78	-1802.45	1645942.93	14338086.54	39°29'1.6704"N	80°58'49.4909"W	1951.02	247.495	8.08	5.72	-8.03	
6367.00	52.730	166.910	5905.03	190.43	-817.67	-1789.78	1645955.59	14338015.67	39°29'0.9697"N	80°58'49.3295"W	1967.72	245.446	8.60	7.02	-6.56	
6394.00†	54.477	165.473	5921.06	212.07	-838.78	-1784.59	1645960.78	14337994.58	39°29'0.7611"N	80°58'49.2634"W	1971.88	244.826	7.76	6.47	-5.32	Middlesex: 6394' MD
6461.00	58.880	162.160	5957.86	267.97	-892.51	-1768.95	1645976.41	14337940.87	39°29'0.2301"N	80°58'49.0641"W	1981.36	243.227	7.76	6.57	-4.94	
6508.00	63.890	161.330	5980.36	309.21	-931.67	-1756.03	1645989.33	14337901.72	39°28'59.8429"N	80°58'48.8994"W	1987.88	242.051	10.77	10.66	-1.77	
6555.00†	69.295	162.477	5999.03	352.32	-972.66	-1742.64	1646002.71	14337860.75	39°28'59.4378"N	80°58'48.7288"W	1995.71	240.832	11.72	11.50	2.44	Burkett: 6555' MD
6556.00	69.410	162.500	5999.38	353.25	-973.55	-1742.36	1646002.99	14337859.86	39°28'59.4290"N	80°58'48.7252"W	1995.90	240.806	11.72	11.51	2.34	
6603.00	73.650	162.840	6014.27	397.80	-1016.10	-1729.09	1646016.26	14337817.33	39°28'59.0085"N	80°58'48.5560"W	2005.54	239.559	9.05	9.02	0.72	
6636.00†	76.668	163.608	6022.72	429.67	-1046.64	-1719.88	1646025.46	14337786.80	39°28'58.7066"N	80°58'48.4387"W	2013.32	238.677	9.42	9.14	2.33	Marcellus POE: 6636' MD
6651.00	78.040	163.950	6026.00	444.29	-1060.69	-1715.79	1646029.54	14337772.76	39°28'58.5677"N	80°58'48.3866"W	2017.18	238.276	9.42	9.15	2.28	
6745.00	80.980	164.120	6043.11	536.58	-1149.54	-1690.38	1646054.95	14337683.94	39°28'57.6895"N	80°58'48.0627"W	2044.22	235.782	3.13	3.13	0.18	
6840.00	81.850	163.440	6057.30	630.41	-1239.74	-1664.14	1646081.18	14337593.78	39°28'56.7980"N	80°58'47.7283"W	2075.16	233.315	1.16	0.92	-0.72	
6934.00	90.090	165.180	6063.90	723.93	-1329.93	-1638.81	1646106.50	14337503.62	39°28'55.9065"N	80°58'47.4056"W	2110.55	230.940	8.96	8.77	1.85	
7028.00	89.690	163.290	6064.08	817.78	-1420.39	-1613.27	1646132.03	14337413.20	39°28'55.0124"N	80°58'47.0801"W	2149.46	228.638	2.06	-0.43	-2.01	
7123.00	89.080	163.460	6065.10	912.69	-1511.42	-1586.09	1646159.20	14337322.21	39°28'54.1127"N	80°58'46.7338"W	2190.91	226.381	0.67	-0.64	0.18	
7217.00	89.260	161.950	6066.46	1006.64	-1601.15	-1558.15	1646187.13	14337232.51	39°28'53.2258"N	80°58'46.3777"W	2234.17	224.220	1.62	0.19	-1.61	
7312.00	89.600	162.380	6067.40	1101.61	-1691.58	-1529.06	1646216.21	14337142.12	39°28'52.3319"N	80°58'46.0069"W	2280.23	222.111	0.58	0.36	0.45	
7407.00	89.230	161.580	6068.37	1196.59	-1781.92	-1499.67	1646245.58	14337051.82	39°28'51.4391"N	80°58'45.6324"W	2329.00	220.084	0.93	-0.39	-0.84	
7501.00	89.420	161.910	6069.48	1290.58	-1871.18	-1470.23	1646275.01	14336962.59	39°28'50.5568"N	80°58'45.2571"W	2379.68	218.157	0.41	0.20	0.35	
7596.00	92.090	163.330	6068.23	1385.52	-1961.82	-1441.85	1646303.37	14336871.98	39°28'49.6608"N	80°58'44.8956"W	2434.69	216.314	3.18	2.81	1.49	
7691.00	89.350	161.420	6067.04	1480.47	-2052.35	-1413.10	1646332.12	14336781.50	39°28'48.7661"N	80°58'44.5291"W	2491.78	214.548	3.52	-2.88	-2.01	



Actual Wellpath Report

Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (180 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]		
7785.00	89.720	161.690	6067.80	1574.46	-2141.51	-1383.36	1646361.85	14336692.37	39°28'47.8848"N	80°58'44.1501"W	2549.46	212.861	0.49	0.39	0.29		
7880.00	89.140	160.850	6068.74	1669.46	-2231.48	-1352.85	1646392.34	14336602.44	39°28'46.9956"N	80°58'43.7613"W	2609.54	211.227	1.07	-0.61	-0.88		
7975.00	89.540	160.850	6069.84	1764.45	-2321.21	-1321.69	1646423.49	14336512.74	39°28'46.1086"N	80°58'43.3642"W	2671.12	209.657	0.42	0.42	0.00		
8069.00	89.630	160.780	6070.52	1858.45	-2409.99	-1290.80	1646454.37	14336424.00	39°28'45.2311"N	80°58'42.9705"W	2733.90	208.174	0.12	0.10	-0.07		
8164.00	89.450	160.880	6071.28	1953.44	-2499.72	-1259.61	1646485.55	14336334.31	39°28'44.3442"N	80°58'42.5730"W	2799.14	206.744	0.22	-0.19	0.11		
8258.00	89.660	160.960	6072.01	2047.44	-2588.55	-1228.88	1646516.26	14336245.51	39°28'43.4662"N	80°58'42.1814"W	2865.44	205.395	0.24	0.22	0.09		
8353.00	89.420	160.980	6072.77	2142.44	-2678.36	-1197.91	1646547.23	14336155.74	39°28'42.5785"N	80°58'41.7866"W	2934.04	204.097	0.25	-0.25	0.02		
8448.00	89.690	160.670	6073.51	2237.43	-2768.08	-1166.70	1646578.42	14336066.05	39°28'41.6916"N	80°58'41.3890"W	3003.91	202.855	0.43	0.28	-0.33		
8542.00	90.430	160.700	6073.41	2331.43	-2856.79	-1135.61	1646609.49	14335977.38	39°28'40.8148"N	80°58'40.9928"W	3074.23	201.678	0.79	0.79	0.03		
8637.00	90.120	160.620	6072.96	2426.43	-2946.43	-1104.15	1646640.94	14335887.77	39°28'39.9288"N	80°58'40.5918"W	3146.52	200.543	0.34	-0.33	-0.08		
8732.00	89.970	160.590	6072.88	2521.43	-3036.04	-1072.60	1646672.48	14335798.20	39°28'39.0431"N	80°58'40.1898"W	3219.94	199.458	0.16	-0.16	-0.03		
8826.00	89.780	160.160	6073.09	2615.42	-3124.58	-1041.03	1646704.04	14335709.70	39°28'38.1679"N	80°58'39.7875"W	3293.44	198.427	0.50	-0.20	-0.46		
8921.00	89.820	160.630	6073.42	2710.41	-3214.07	-1009.16	1646735.90	14335620.24	39°28'37.2834"N	80°58'39.3813"W	3368.78	197.431	0.50	0.04	0.49		
9015.00	89.660	160.600	6073.85	2804.41	-3302.74	-977.96	1646767.09	14335531.61	39°28'36.4069"N	80°58'38.9837"W	3444.49	196.494	0.17	-0.17	-0.03		
9110.00	89.570	159.990	6074.48	2899.40	-3392.18	-945.93	1646799.10	14335442.21	39°28'35.5229"N	80°58'38.5755"W	3521.59	195.581	0.65	-0.09	-0.64		
9204.00	89.450	160.060	6075.29	2993.38	-3480.52	-913.82	1646831.20	14335353.90	39°28'34.6497"N	80°58'38.1663"W	3598.48	194.711	0.15	-0.13	0.07		
9299.00	89.910	160.970	6075.82	3088.38	-3570.07	-882.13	1646862.88	14335264.38	39°28'33.7645"N	80°58'37.7625"W	3677.44	193.879	1.07	0.48	0.96		
9394.00	89.820	160.490	6076.04	3183.38	-3659.75	-850.78	1646894.21	14335174.74	39°28'32.8781"N	80°58'37.3630"W	3757.34	193.087	0.51	-0.09	-0.51		
9488.00	89.880	161.060	6076.29	3277.38	-3748.51	-819.83	1646925.15	14335086.02	39°28'32.0008"N	80°58'36.9685"W	3837.11	192.337	0.61	0.06	0.61		
9583.00	89.450	160.490	6076.84	3372.37	-3838.21	-788.54	1646956.42	14334996.35	39°28'31.1142"N	80°58'36.5699"W	3918.37	191.610	0.75	-0.45	-0.60		
9678.00	89.630	160.460	6077.61	3467.36	-3927.74	-756.79	1646988.16	14334906.86	39°28'30.2292"N	80°58'36.1654"W	3999.99	190.906	0.19	0.19	-0.03		
9772.00	89.140	159.360	6078.62	3561.34	-4016.02	-724.51	1647020.43	14334818.62	39°28'29.3567"N	80°58'35.7539"W	4080.85	190.226	1.28	-0.52	-1.17		
9867.00	89.600	160.810	6079.66	3656.32	-4105.33	-692.15	1647052.78	14334729.34	39°28'28.4739"N	80°58'35.3416"W	4163.27	189.570	1.60	0.48	1.53		
9962.00	89.350	159.530	6080.53	3751.30	-4194.69	-659.93	1647084.99	14334640.02	39°28'27.5907"N	80°58'34.9310"W	4246.28	188.941	1.37	-0.26	-1.35		
10056.00	90.280	161.180	6080.83	3845.29	-4283.21	-628.33	1647116.58	14334551.53	39°28'26.7157"N	80°58'34.5283"W	4329.05	188.345	2.01	0.99	1.76		
10151.00	89.230	160.700	6081.24	3940.29	-4373.00	-597.30	1647147.59	14334461.78	39°28'25.8282"N	80°58'34.1330"W	4413.61	187.778	1.22	-1.11	-0.51		
10245.00	89.260	159.240	6082.48	4034.27	-4461.31	-565.11	1647179.76	14334373.51	39°28'24.9553"N	80°58'33.7228"W	4496.95	187.219	1.55	0.03	-1.55		
10340.00	89.200	159.680	6083.76	4129.22	-4550.26	-531.78	1647213.08	14334284.59	39°28'24.0761"N	80°58'33.2981"W	4581.23	186.666	0.47	-0.06	0.46		
10435.00	89.820	159.640	6084.57	4224.19	-4639.33	-498.76	1647246.09	14334195.55	39°28'23.1957"N	80°58'32.8773"W	4666.06	186.136	0.65	0.65	-0.04		
10529.00	89.420	161.220	6085.19	4318.18	-4727.90	-467.28	1647277.56	14334107.02	39°28'22.3202"N	80°58'32.4762"W	4750.93	185.644	1.73	-0.43	1.68		



Actual Wellpath Report

Patty Unit 2H AWP Proj: 16065'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (180 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
10624.00	89.540	159.800	6086.05	4413.17	-4817.45	-435.59	1647309.24	14334017.51	39°28'21.4351"N	80°58'32.0723"W	4837.10	185.167	1.50	0.13	-1.49	
10719.00	89.200	159.890	6087.10	4508.15	-4906.62	-402.85	1647341.96	14333928.37	39°28'20.5536"N	80°58'31.6552"W	4923.13	184.694	0.37	-0.36	0.09	
10813.00	89.170	160.480	6088.44	4602.13	-4995.05	-370.99	1647373.81	14333839.98	39°28'19.6796"N	80°58'31.2493"W	5008.81	184.248	0.63	-0.03	0.63	
10908.00	89.780	160.730	6089.31	4697.12	-5084.65	-339.45	1647405.34	14333750.41	39°28'18.7939"N	80°58'30.8473"W	5095.97	183.819	0.69	0.64	0.26	
11003.00	89.450	160.010	6089.94	4792.11	-5174.13	-307.53	1647437.24	14333660.97	39°28'17.9095"N	80°58'30.4407"W	5183.26	183.401	0.83	-0.35	-0.76	
11098.00	90.710	161.340	6089.81	4887.11	-5263.77	-276.10	1647468.66	14333571.36	39°28'17.0234"N	80°58'30.0401"W	5271.01	183.003	1.93	1.33	1.40	
11192.00	89.200	160.250	6089.89	4981.10	-5352.54	-245.18	1647499.57	14333482.63	39°28'16.1461"N	80°58'29.6462"W	5358.15	182.623	1.98	-1.61	-1.16	
11287.00	89.820	161.520	6090.70	5076.10	-5442.29	-214.07	1647530.67	14333392.91	39°28'15.2589"N	80°58'29.2498"W	5446.50	182.253	1.49	0.65	1.34	
11381.00	89.480	159.630	6091.27	5170.09	-5530.94	-182.81	1647561.91	14333304.31	39°28'14.3827"N	80°58'28.8515"W	5533.96	181.893	2.04	-0.36	-2.01	
11476.00	89.320	160.140	6092.27	5265.06	-5620.14	-150.14	1647594.57	14333215.14	39°28'13.5010"N	80°58'28.4353"W	5622.14	181.530	0.56	-0.17	0.54	
11571.00	89.970	161.250	6092.86	5360.06	-5709.79	-118.74	1647625.96	14333125.52	39°28'12.6148"N	80°58'28.0351"W	5711.03	181.191	1.35	0.68	1.17	
11665.00	89.600	161.110	6093.21	5454.06	-5798.77	-88.41	1647656.27	14333036.58	39°28'11.7354"N	80°58'27.6488"W	5799.44	180.874	0.42	-0.39	-0.15	
11760.00	89.260	160.250	6094.15	5549.05	-5888.41	-56.98	1647687.69	14332946.98	39°28'10.8493"N	80°58'27.2484"W	5888.69	180.554	0.97	-0.36	-0.91	
11854.00	88.950	158.900	6095.62	5643.01	-5976.49	-24.18	1647720.48	14332858.93	39°28'9.9787"N	80°58'26.8305"W	5976.54	180.232	1.47	-0.33	-1.44	
11949.00	89.780	160.960	6096.68	5737.98	-6065.71	8.41	1647753.06	14332769.75	39°28'9.0968"N	80°58'26.4151"W	6065.71	179.921	2.34	0.87	2.17	
12044.00	89.880	161.200	6096.96	5832.98	-6155.58	39.22	1647783.85	14332679.92	39°28'8.2085"N	80°58'26.0227"W	6155.70	179.635	0.27	0.11	0.25	
12138.00	89.140	160.940	6097.76	5926.97	-6244.49	69.71	1647814.33	14332591.04	39°28'7.3297"N	80°58'25.6342"W	6244.88	179.360	0.83	-0.79	-0.28	
12232.00	89.200	160.210	6099.12	6020.96	-6333.13	100.97	1647845.58	14332502.44	39°28'6.4535"N	80°58'25.2360"W	6333.93	179.087	0.78	0.06	-0.78	
12327.00	89.780	160.450	6099.97	6115.95	-6422.58	132.94	1647877.54	14332413.02	39°28'5.5693"N	80°58'24.8286"W	6423.95	178.814	0.66	0.61	0.25	
12422.00	89.540	160.690	6100.53	6210.95	-6512.17	164.55	1647909.13	14332323.47	39°28'4.6838"N	80°58'24.4260"W	6514.25	178.553	0.36	-0.25	0.25	
12516.00	89.910	161.230	6100.98	6304.94	-6601.02	195.21	1647939.78	14332234.65	39°28'3.8055"N	80°58'24.0353"W	6603.91	178.306	0.70	0.39	0.57	
12611.00	89.320	161.050	6101.62	6399.94	-6690.92	225.92	1647970.48	14332144.79	39°28'2.9169"N	80°58'23.6441"W	6694.73	178.066	0.65	-0.62	-0.19	
12705.00	89.170	160.220	6102.86	6493.93	-6779.59	257.08	1648001.63	14332056.15	39°28'2.0404"N	80°58'23.2470"W	6784.47	177.828	0.90	-0.16	-0.88	
12800.00	89.820	161.530	6103.70	6588.92	-6869.34	288.21	1648032.74	14331966.44	39°28'1.1533"N	80°58'22.8505"W	6875.39	177.598	1.54	0.68	1.38	
12895.00	89.910	161.260	6103.92	6683.92	-6959.38	318.52	1648063.04	14331876.44	39°28'0.2634"N	80°58'22.4644"W	6966.66	177.380	0.30	0.09	-0.28	
12989.00	89.780	161.450	6104.18	6777.92	-7048.45	348.57	1648093.08	14331787.41	39°27'59.3830"N	80°58'22.0816"W	7057.06	177.169	0.24	-0.14	0.20	
13084.00	89.600	161.520	6104.69	6872.91	-7138.53	378.74	1648123.23	14331697.36	39°27'58.4926"N	80°58'21.6973"W	7148.57	176.963	0.20	-0.19	0.07	
13178.00	89.750	161.390	6105.22	6966.91	-7227.64	408.63	1648153.12	14331608.28	39°27'57.6117"N	80°58'21.3164"W	7239.19	176.764	0.21	0.16	-0.14	
13273.00	89.350	160.890	6105.97	7061.91	-7317.54	439.34	1648183.81	14331518.42	39°27'56.7231"N	80°58'20.9252"W	7330.72	176.564	0.67	-0.42	-0.53	
13367.00	89.380	160.750	6107.01	7155.90	-7406.32	470.22	1648214.68	14331429.68	39°27'55.8456"N	80°58'20.5318"W	7421.23	176.367	0.15	0.03	-0.15	



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Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (180 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]	
13462.00	90.180	160.780	6107.38	7250.90	-7496.01	501.52	1648245.97	14331340.02	39°27'54.9590"N	80°58'20.1331"W	7512.77	176.172	0.84	0.84	0.03	
13556.00	89.720	160.750	6107.46	7344.90	-7584.76	532.48	1648276.92	14331251.30	39°27'54.0818"N	80°58'19.7386"W	7603.43	175.984	0.49	-0.49	-0.03	
13651.00	89.570	161.190	6108.05	7439.89	-7674.57	563.46	1648307.88	14331161.53	39°27'53.1941"N	80°58'19.3440"W	7695.23	175.801	0.49	-0.16	0.46	
13746.00	89.600	161.230	6108.73	7534.89	-7764.51	594.06	1648338.47	14331071.64	39°27'52.3051"N	80°58'18.9543"W	7787.20	175.625	0.05	0.03	0.04	
13840.00	89.510	160.940	6109.46	7628.89	-7853.43	624.53	1648368.93	14330982.75	39°27'51.4262"N	80°58'18.5661"W	7878.22	175.453	0.32	-0.10	-0.31	
13935.00	89.750	161.080	6110.08	7723.89	-7943.25	655.44	1648399.83	14330892.96	39°27'50.5383"N	80°58'18.1723"W	7970.25	175.283	0.29	0.25	0.15	
14029.00	89.690	160.840	6110.54	7817.88	-8032.11	686.11	1648430.48	14330804.14	39°27'49.6600"N	80°58'17.7817"W	8061.36	175.118	0.26	-0.06	-0.26	
14123.00	89.690	160.920	6111.05	7911.88	-8120.92	716.90	1648461.26	14330715.36	39°27'48.7821"N	80°58'17.3895"W	8152.51	174.955	0.09	0.00	0.09	
14218.00	89.510	160.720	6111.71	8006.88	-8210.65	748.11	1648492.46	14330625.67	39°27'47.8952"N	80°58'16.9919"W	8244.66	174.794	0.28	-0.19	-0.21	
14313.00	89.290	160.800	6112.70	8101.87	-8300.34	779.41	1648523.75	14330536.02	39°27'47.0087"N	80°58'16.5932"W	8336.85	174.636	0.25	-0.23	0.08	
14407.00	89.020	159.410	6114.09	8195.85	-8388.72	811.39	1648555.72	14330447.68	39°27'46.1351"N	80°58'16.1857"W	8427.86	174.475	1.51	-0.29	-1.48	
14502.00	89.720	160.270	6115.13	8290.82	-8477.89	844.13	1648588.44	14330358.54	39°27'45.2537"N	80°58'15.7687"W	8519.81	174.314	1.17	0.74	0.91	
14596.00	89.540	160.750	6115.74	8384.82	-8566.50	875.49	1648619.79	14330269.96	39°27'44.3778"N	80°58'15.3692"W	8611.12	174.165	0.55	-0.19	0.51	
14691.00	89.290	160.380	6116.71	8479.81	-8656.08	907.10	1648651.39	14330180.42	39°27'43.4923"N	80°58'14.9666"W	8703.48	174.018	0.47	-0.26	-0.39	
14785.00	89.200	158.710	6117.95	8573.77	-8744.14	939.95	1648684.22	14330092.39	39°27'42.6219"N	80°58'14.5481"W	8794.52	173.865	1.78	-0.10	-1.78	
14880.00	89.290	159.470	6119.20	8668.71	-8832.88	973.85	1648718.11	14330003.69	39°27'41.7447"N	80°58'14.1163"W	8886.40	173.708	0.81	0.09	0.80	
14975.00	89.450	160.010	6120.25	8763.68	-8922.00	1006.74	1648750.99	14329914.61	39°27'40.8639"N	80°58'13.6972"W	8978.62	173.562	0.59	0.17	0.57	
15069.00	90.030	163.460	6120.67	8857.65	-9011.25	1036.20	1648780.43	14329825.40	39°27'39.9817"N	80°58'13.3220"W	9070.63	173.440	3.72	0.62	3.67	
15163.00	89.570	163.160	6121.00	8951.58	-9101.28	1063.20	1648807.42	14329735.39	39°27'39.0917"N	80°58'12.9782"W	9163.17	173.337	0.58	-0.49	-0.32	
15258.00	89.140	162.450	6122.07	9046.52	-9192.03	1091.28	1648835.49	14329644.68	39°27'38.1947"N	80°58'12.6206"W	9256.58	173.230	0.87	-0.45	-0.75	
15352.00	89.480	163.390	6123.20	9140.46	-9281.88	1118.88	1648863.08	14329554.87	39°27'37.3066"N	80°58'12.2690"W	9349.07	173.126	1.06	0.36	1.00	
15447.00	89.420	162.910	6124.11	9235.39	-9372.80	1146.42	1648890.61	14329463.99	39°27'36.4080"N	80°58'11.9183"W	9442.65	173.027	0.51	-0.06	-0.51	
15542.00	89.600	163.180	6124.93	9330.33	-9463.66	1174.12	1648918.30	14329373.16	39°27'35.5098"N	80°58'11.5655"W	9536.22	172.928	0.34	0.19	0.28	
15636.00	89.600	161.320	6125.58	9424.30	-9553.18	1202.78	1648946.95	14329283.68	39°27'34.6249"N	80°58'11.2005"W	9628.60	172.824	1.98	0.00	-1.98	
15731.00	89.630	161.040	6126.22	9519.29	-9643.10	1233.42	1648977.58	14329193.80	39°27'33.7361"N	80°58'10.8102"W	9721.86	172.711	0.30	0.03	-0.29	
15826.00	89.480	159.390	6126.96	9614.28	-9732.49	1265.58	1649009.72	14329104.45	39°27'32.8526"N	80°58'10.4007"W	9814.43	172.591	1.74	-0.16	-1.74	
15920.00	89.780	159.370	6127.57	9708.24	-9820.46	1298.68	1649042.81	14329016.50	39°27'31.9830"N	80°58'9.9790"W	9905.96	172.467	0.32	0.32	-0.02	
16015.00	89.320	155.890	6128.31	9803.06	-9908.30	1334.83	1649078.94	14328928.71	39°27'31.1147"N	80°58'9.5185"W	9997.81	172.327	3.69	-0.48	-3.66	
16040.00	89.510	155.230	6128.57	9827.94	-9931.06	1345.17	1649089.28	14328838.27	39°27'30.8898"N	80°58'9.3867"W	10021.74	172.286	2.75	0.76	-2.64	
16065.00†	89.510	155.230	6128.78	9852.82	-9953.75	1355.65	1649099.75	14328883.27	39°27'30.6654"N	80°58'9.2533"W	10045.65	172.244	0.00	0.00	0.00	Projected MD at TD: 16065'

HOLE & CASING SECTIONS - Ref Wellbore: Patty Unit 2H AWB Ref Wellpath: Patty Unit 2H AWP Proj: 16065'									
String/Diameter	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S	End E/W
	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]
20in Open Hole	30.00	130.00	100.00	30.00	130.00	0.00	0.00	-0.16	-0.41
17.5in Open Hole	130.00	442.00	312.00	130.00	441.98	-0.16	-0.41	-0.69	-3.68
13.375in Casing Surface	30.00	422.00	392.00	30.00	421.98	0.00	0.00	-0.74	-3.52
12.25in Open Hole	442.00	2704.00	2262.00	441.98	2593.24	-0.69	-3.68	-225.30	-590.98
9.625in Casing Intermediate	30.00	2684.00	2654.00	30.00	2574.75	0.00	0.00	-222.32	-583.97
8.75in Open Hole	2704.00	5657.00	2953.00	2593.24	5312.29	-225.30	-590.98	-487.96	-1707.03
8.5in Open Hole	5657.00	16065.00	10408.00	5312.29	6128.78	-487.96	-1707.03	-9953.75	1355.65
5.5in Casing Production	30.00	16065.00	16035.00	30.00	6128.78	0.00	0.00	-9953.75	1355.65



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Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Patty Unit 2H POE Rev-1	6013.00	-1139.95	-1702.13	1646043.20	14337693.53	39°28'57.7844"N	80°58'48.2126"W	point
Patty Unit 2H POE Rev-2	6020.00	-1009.25	-1747.15	1645998.20	14337824.17	39°28'59.0762"N	80°58'48.7864"W	point
Patty Unit 2H BHL Rev-2	6064.00	-10070.50	1373.82	1649117.92	14328766.57	39°27'29.5115"N	80°58'9.0221"W	point
Patty Unit 2H BHL Rev-3	6064.00	-9961.73	1336.36	1649080.47	14328875.30	39°27'30.5867"N	80°58'9.4993"W	point
Patty Unit 2H LP Rev-2	6064.00	-1242.94	-1666.66	1646078.66	14337590.58	39°28'56.7663"N	80°58'47.7605"W	point
Patty Unit 2H 50' L/R Hard Line Rev-2	6500.00	-5485.49	-205.40	1647539.34	14333349.73	39°28'14.8319"N	80°58'29.1394"W	rectangle
2D Rectangle 9468.62 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Patty Unit 2H AWB Ref Wellpath: Patty Unit 2H AWP Proj: 16065'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
30.00	354.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-354')	Patty Unit 2H AWB	01/May/2021	
354.00	2623.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (354')(507'-2623')	Patty Unit 2H AWB	01/May/2021	
2623.00	5594.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (2623')(2752'-5594')	Patty Unit 2H AWB	15/Jun/2021	
5594.00	16065.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (5594')(5632'-16040')	Patty Unit 2H AWB	15/Jun/2021	



Actual Wellpath Report

Patty Unit 2H AWP Proj: 16065'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Patty Unit 2H
Field	Tyler	API	47-095-02733-0000
Facility	Roma Lou Pad	Wellbore	Patty Unit 2H AWB
Slot	Slot #02		

COMMENTS
<p>Wellpath general comments API: 47-095-02733-0000 BH Job #: 110883627 Rig: H&P 519 Duration: 6/17/2021-6/19/2021 Gyrodatta MS Gyro <17-1/2"> (100'-354') APS EM <12-1/4"> (354')(507'-2623') APS EM <8-3/4"> (2623')(2752'-5594') BH AT Curve <8-1/2"> (5594')(5632'-16040') Sycamore: 6243' MD Middlesex: 6394' MD Burkett: 6555' MD Marcellus POE: 6636' MD Projected MD at TD: 16065'</p>