



ANTERO RESOURCES CORPORATION

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

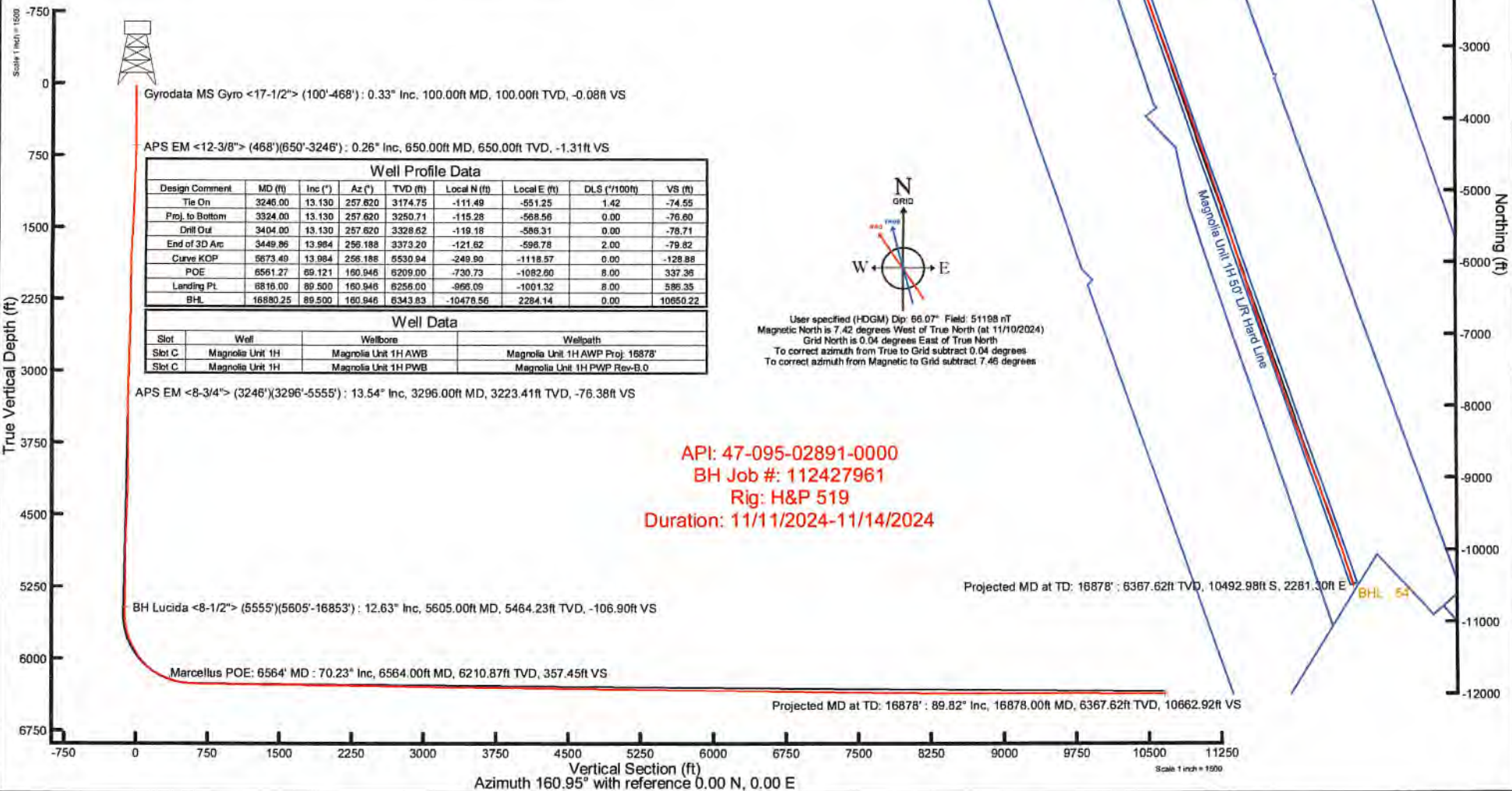
Slot: Slot C
Well: Magnolia Unit 1H
Wellbore: Magnolia Unit 1H PWB



Plot reference wellpath is Magnolia Unit 1H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 1121 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground Level (At Slot: Slot C): -1091 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: antero on 2024-11-17, Database: WA_MPL_EASTERNUS_Data

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Starkey Pad	1659650.330	14368974.560	39°34'7.0007"N	80°55'50.4683"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot C	-24.16	17.79	1659668.110	14368950.410
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Slot C	-24.16	17.79	1659668.110	14368950.410
Comment	Magnolia Unit 1H			
H&P 519 (RKB) to Ground level (At Slot: Slot C)	30ft			
Mean Sea Level to Ground level (At Slot: Slot C)	-1091ft			
H&P 519 (RKB) to Mean Sea Level	1121ft			





Actual Wellpath Report

Magnolia Unit 1H AWP Proj: 16878'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWB
Slot	Slot C		

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	11/17/2024 at 8:56:32 PM
Convergence at slot	0.04° 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	-24.16	17.79	1659968.11	14368950.41	39°34'6.7618"N	80°55'50.2414"W
Facility Reference Pt			1659950.33	14368974.56	39°34'7.0007"N	80°55'50.4683"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	1121.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	1121.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot C)	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	160.95°



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Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWP
Slot	Slot C		

WELLPATH DATA (185 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	48.760	0.00	0.00	0.00	0.00	1659968.11	14368950.41	39°34'6.7618"N	80°55'50.2414"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	48.760	30.00	0.00	0.00	0.00	1659968.11	14368950.41	39°34'6.7618"N	80°55'50.2414"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.330	48.760	100.00	-0.08	0.13	0.15	1659968.26	14368950.54	39°34'6.7631"N	80°55'50.2394"W	0.20	48.760	0.47	0.47	0.00	Gyrodata MS Gyro <17-1/2"> (100'-468')
200.00	0.080	14.010	200.00	-0.24	0.39	0.39	1659968.49	14368950.80	39°34'6.7657"N	80°55'50.2365"W	0.55	44.599	0.27	-0.25	-34.75	
300.00	0.040	132.820	300.00	-0.27	0.43	0.43	1659968.54	14368950.84	39°34'6.7661"N	80°55'50.2359"W	0.61	44.539	0.11	-0.04	-118.81	
400.00	0.150	358.910	400.00	-0.36	0.54	0.45	1659968.56	14368950.95	39°34'6.7672"N	80°55'50.2356"W	0.70	39.762	0.18	0.11	-133.91	
468.00	0.210	350.630	468.00	-0.57	0.75	0.43	1659968.54	14368951.16	39°34'6.7693"N	80°55'50.2359"W	0.87	29.633	0.10	0.09	-12.18	
650.00	0.260	331.340	650.00	-1.31	1.45	0.18	1659968.29	14368951.85	39°34'6.7761"N	80°55'50.2391"W	1.46	6.957	0.05	0.03	-10.60	APS EM <12-3/8"> (468')(650'-3246')
739.00	1.380	293.840	738.99	-2.24	2.06	-0.90	1659967.21	14368952.46	39°34'6.7822"N	80°55'50.2529"W	2.24	336.333	1.33	1.26	-42.13	
828.00	2.880	288.320	827.92	-4.32	3.19	-4.00	1659964.11	14368953.60	39°34'6.7934"N	80°55'50.2925"W	5.12	308.558	1.70	1.69	-6.20	
919.00	4.670	283.920	918.72	-7.73	4.80	-9.77	1659958.34	14368955.21	39°34'6.8094"N	80°55'50.3661"W	10.89	296.170	1.99	1.97	-4.84	
1008.00	6.210	278.390	1007.32	-11.92	6.38	-18.05	1659950.07	14368956.78	39°34'6.8250"N	80°55'50.4718"W	19.14	289.454	1.83	1.73	-6.21	
1103.00	7.350	269.910	1101.66	-16.26	7.12	-29.21	1659938.91	14368957.52	39°34'6.8324"N	80°55'50.6143"W	30.06	283.691	1.59	1.20	-8.93	
1197.00	9.130	263.790	1194.68	-19.87	6.30	-42.64	1659925.49	14368956.71	39°34'6.8244"N	80°55'50.7858"W	43.10	278.404	2.11	1.89	-6.51	
1291.00	11.170	265.160	1287.21	-23.76	4.72	-59.13	1659909.01	14368955.13	39°34'6.8090"N	80°55'50.9963"W	59.31	274.568	2.19	2.17	1.46	
1386.00	13.310	260.740	1380.04	-27.88	2.19	-79.09	1659889.05	14368952.60	39°34'6.7841"N	80°55'51.2513"W	79.12	271.585	2.46	2.25	-4.65	
1480.00	15.820	261.230	1471.02	-32.01	-1.51	-102.44	1659865.71	14368948.90	39°34'6.7477"N	80°55'51.5494"W	102.45	269.157	2.67	2.67	0.52	
1574.00	16.690	260.390	1561.26	-36.51	-5.71	-128.41	1659839.75	14368944.70	39°34'6.7063"N	80°55'51.8811"W	128.54	267.452	0.96	0.93	-0.89	
1669.00	16.510	256.310	1652.30	-40.01	-11.19	-154.98	1659813.20	14368939.23	39°34'6.6525"N	80°55'52.2204"W	155.38	265.871	1.24	-0.19	-4.29	
1764.00	16.820	256.650	1743.31	-42.64	-17.56	-181.46	1659786.72	14368932.86	39°34'6.5897"N	80°55'52.5587"W	182.31	264.474	0.34	0.33	0.36	
1858.00	16.680	253.800	1833.32	-44.66	-24.46	-207.65	1659760.54	14368925.96	39°34'6.5217"N	80°55'52.8932"W	209.09	263.282	0.89	-0.15	-3.03	
1952.00	17.030	253.600	1923.29	-45.96	-32.11	-233.81	1659734.39	14368918.31	39°34'6.4463"N	80°55'53.2273"W	236.01	262.180	0.38	0.37	-0.21	
2047.00	17.730	253.220	2013.95	-47.18	-40.21	-261.01	1659707.21	14368910.21	39°34'6.3664"N	80°55'53.5746"W	264.09	261.241	0.75	0.74	-0.40	
2141.00	16.570	251.630	2103.77	-47.91	-48.57	-287.43	1659680.79	14368901.86	39°34'6.2840"N	80°55'53.9122"W	291.51	260.409	1.33	-1.23	-1.69	
2236.00	15.770	250.770	2195.01	-48.03	-57.09	-312.48	1659655.76	14368893.34	39°34'6.2000"N	80°55'54.2321"W	317.65	259.646	0.88	-0.84	-0.91	
2330.00	14.960	254.610	2285.65	-48.76	-64.52	-336.24	1659632.01	14368885.92	39°34'6.1267"N	80°55'54.5355"W	342.37	259.138	1.38	-0.86	4.08	
2424.00	14.740	258.790	2376.51	-51.17	-70.06	-359.67	1659608.59	14368880.37	39°34'6.0721"N	80°55'54.8347"W	366.43	258.977	1.16	-0.23	4.45	
2519.00	14.890	255.980	2468.36	-53.89	-75.37	-383.36	1659584.90	14368875.07	39°34'6.0198"N	80°55'55.1374"W	390.70	258.877	0.77	0.16	-2.96	
2614.00	13.890	259.210	2560.38	-56.59	-80.46	-406.41	1659561.87	14368869.98	39°34'5.9697"N	80°55'55.4317"W	414.30	258.801	1.35	-1.05	3.40	
2708.00	12.980	259.190	2651.80	-59.73	-84.55	-427.86	1659540.42	14368865.89	39°34'5.9294"N	80°55'55.7057"W	436.14	258.821	0.97	-0.97	-0.02	



Actual Wellpath Report

Magnolia Unit 1H AWP Proj: 16878'
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Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWP
Slot	Slot C		

WELLPATH DATA (185 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
2802.00	13.260	257.560	2743.35	-62.48	-88.86	-448.76	1659519.53	14368861.59	39°34'5.8870"N	80°55'55.9726"W	457.47	258.800	0.49	0.30	-1.73	
2897.00	13.240	257.760	2835.82	-65.03	-93.51	-470.03	1659498.27	14368856.94	39°34'5.8412"N	80°55'56.2442"W	479.24	258.748	0.05	-0.02	0.21	
2991.00	13.610	258.360	2927.25	-67.73	-98.02	-491.38	1659476.93	14368852.43	39°34'5.7967"N	80°55'56.5169"W	501.06	258.718	0.42	0.39	0.64	
3086.00	14.320	257.880	3019.44	-70.59	-102.75	-513.82	1659454.50	14368847.71	39°34'5.7502"N	80°55'56.8034"W	523.99	258.692	0.76	0.75	-0.51	
3180.00	13.980	255.950	3110.59	-72.98	-107.94	-536.20	1659432.13	14368842.51	39°34'5.6990"N	80°55'57.0893"W	546.95	258.618	0.62	-0.36	-2.05	
3246.00	13.130	257.620	3174.75	-74.55	-111.49	-551.25	1659417.08	14368838.97	39°34'5.6641"N	80°55'57.2815"W	562.41	258.567	1.42	-1.29	2.53	
3296.00	13.540	262.550	3223.41	-76.38	-113.46	-562.60	1659405.73	14368836.99	39°34'5.6447"N	80°55'57.4265"W	573.93	258.598	2.42	0.82	9.86	APS EM <8-3/4"> (3246')(3296'-5555')
3390.00	11.830	247.780	3315.13	-78.06	-118.53	-582.44	1659385.90	14368831.92	39°34'5.5947"N	80°55'57.6799"W	594.38	258.497	3.89	-1.82	-15.71	
3485.00	13.540	249.570	3407.81	-77.26	-126.10	-601.88	1659366.47	14368824.36	39°34'5.5201"N	80°55'57.9281"W	614.95	258.167	1.85	1.80	1.88	
3579.00	14.470	249.770	3499.02	-76.75	-134.00	-623.21	1659345.15	14368816.46	39°34'5.4421"N	80°55'58.2006"W	637.45	257.865	0.99	0.99	0.21	
3673.00	13.230	244.160	3590.29	-75.24	-142.75	-643.91	1659324.46	14368807.72	39°34'5.3558"N	80°55'58.4650"W	659.55	257.500	1.94	-1.32	-5.97	
3768.00	13.560	248.550	3682.70	-73.48	-151.56	-664.06	1659304.31	14368798.91	39°34'5.2689"N	80°55'58.7224"W	681.14	257.143	1.13	0.35	4.62	
3862.00	13.270	249.830	3774.14	-72.81	-159.31	-684.45	1659283.94	14368791.16	39°34'5.1924"N	80°55'58.9828"W	702.74	256.897	0.44	-0.31	1.36	
3956.00	13.460	254.210	3865.60	-73.22	-166.01	-705.10	1659263.29	14368784.47	39°34'5.1264"N	80°55'59.2466"W	724.38	256.752	1.10	0.20	4.66	
4050.00	13.700	258.510	3956.97	-74.92	-171.58	-726.45	1659241.95	14368778.90	39°34'5.0715"N	80°55'59.5193"W	746.44	256.711	0.63	0.26	2.45	
4144.00	12.500	253.680	4048.52	-76.49	-177.04	-747.04	1659221.37	14368773.44	39°34'5.0177"N	80°55'59.7822"W	767.73	256.668	1.45	-1.28	-3.01	
4238.00	13.340	255.760	4140.14	-77.88	-182.56	-767.31	1659201.10	14368767.92	39°34'4.9632"N	80°56'0.0412"W	788.73	256.617	1.02	0.89	2.21	
4332.00	13.640	260.310	4231.55	-80.59	-187.10	-788.75	1659179.68	14368763.39	39°34'4.9186"N	80°56'0.3149"W	810.64	256.656	1.17	0.32	4.84	
4426.00	12.690	256.770	4323.08	-83.44	-191.33	-809.73	1659158.71	14368759.16	39°34'4.8770"N	80°56'0.5828"W	832.03	256.706	1.33	-1.01	-3.77	
4520.00	12.890	261.530	4414.75	-86.41	-195.23	-830.15	1659138.29	14368755.25	39°34'4.8385"N	80°56'0.8437"W	852.80	256.766	1.14	0.21	5.06	
4614.00	13.880	264.660	4506.20	-91.01	-197.83	-851.75	1659116.70	14368752.66	39°34'4.8130"N	80°56'1.1195"W	874.42	256.924	1.30	1.05	3.33	
4708.00	12.800	261.480	4597.66	-95.59	-200.42	-873.27	1659095.19	14368750.07	39°34'4.7876"N	80°56'1.3943"W	895.98	257.074	1.39	-1.15	-3.38	
4802.00	14.290	258.130	4689.05	-98.94	-204.35	-894.92	1659073.54	14368746.14	39°34'4.7489"N	80°56'1.6709"W	917.96	257.138	1.79	1.59	-3.56	
4897.00	16.570	256.230	4780.62	-101.65	-209.99	-919.56	1659048.92	14368740.51	39°34'4.6933"N	80°56'1.9855"W	943.23	257.137	2.46	2.40	-2.00	
4991.00	14.420	250.580	4871.20	-102.81	-217.07	-943.62	1659024.87	14368733.43	39°34'4.6235"N	80°56'2.2928"W	968.26	257.045	2.79	-2.29	-6.01	
5085.00	15.650	251.650	4961.98	-102.89	-224.95	-966.69	1659001.81	14368725.55	39°34'4.5458"N	80°56'2.5875"W	992.52	256.900	1.34	1.31	1.14	
5179.00	17.970	257.080	5051.96	-104.59	-232.19	-992.87	1658975.64	14368718.32	39°34'4.4745"N	80°56'2.9217"W	1019.65	256.838	2.98	2.47	5.78	
5274.00	16.010	252.900	5142.81	-106.60	-239.32	-1019.67	1658948.84	14368711.19	39°34'4.4042"N	80°56'3.2641"W	1047.38	256.792	2.43	-2.06	-4.40	
5368.00	14.720	250.830	5233.45	-107.02	-247.05	-1043.35	1658925.18	14368703.46	39°34'4.3279"N	80°56'3.5665"W	1072.20	256.678	1.49	-1.37	-2.20	
5462.00	13.010	246.450	5324.71	-106.17	-255.20	-1064.33	1658904.21	14368695.31	39°34'4.2475"N	80°56'3.8345"W	1094.50	256.516	2.13	-1.82	-4.66	



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5555.00	12.510	252.900	5415.42	-105.69	-262.35	-1083.55	1658884.99	14368688.17	39°34'4.1770"N	80°56'4.0800"W	1114.86	256.390	1.62	-0.54	6.94	
5605.00	12.630	261.810	5464.23	-106.90	-264.72	-1094.14	1658874.41	14368685.80	39°34'4.1537"N	80°56'4.2152"W	1125.71	256.399	3.88	0.24	17.82	BH Lucida <8-1/2"> (5555')(5605'-16853')
5685.00	13.120	246.040	5542.24	-107.77	-269.65	-1111.10	1658857.46	14368680.87	39°34'4.1050"N	80°56'4.4318"W	1143.35	256.359	4.42	0.61	-19.71	
5780.00	15.750	221.030	5634.32	-100.41	-283.77	-1129.44	1658839.13	14368666.75	39°34'3.9656"N	80°56'4.6661"W	1164.54	255.896	7.05	2.77	-26.33	
5874.00	18.470	198.580	5724.25	-82.23	-307.54	-1142.57	1658826.00	14368642.99	39°34'3.7308"N	80°56'4.8341"W	1183.24	254.935	7.54	2.89	-23.88	
5968.00	23.930	189.370	5811.88	-53.64	-340.50	-1150.43	1658818.14	14368610.05	39°34'3.4051"N	80°56'4.9347"W	1199.76	253.513	6.79	5.81	-9.80	
6063.00	29.680	180.180	5896.67	-14.44	-383.08	-1153.64	1658814.93	14368567.48	39°34'2.9843"N	80°56'4.9762"W	1215.58	251.631	7.45	6.05	-9.67	
6157.00	35.950	171.190	5975.68	34.77	-433.70	-1149.48	1658819.09	14368516.88	39°34'2.4840"N	80°56'4.9235"W	1228.58	249.328	8.43	6.67	-9.56	
6182.00†	38.066	169.689	5995.64	49.61	-448.54	-1146.98	1658821.59	14368502.05	39°34'2.3373"N	80°56'4.8917"W	1231.56	248.642	9.20	8.47	-6.01	Sycamore: 6182' MD
6251.00	43.990	166.190	6047.68	94.54	-492.78	-1137.44	1658831.12	14368457.83	39°34'1.9000"N	80°56'4.7703"W	1239.60	246.576	9.20	8.58	-5.07	
6325.00†	51.051	165.292	6097.62	148.89	-545.64	-1123.99	1658844.57	14368404.99	39°34'1.3775"N	80°56'4.5990"W	1249.43	244.106	9.58	9.54	-1.21	Middlesex: 6325' MD
6345.00	52.960	165.080	6109.94	164.61	-560.87	-1119.96	1658848.60	14368389.76	39°34'1.2269"N	80°56'4.5476"W	1252.55	243.398	9.58	9.55	-1.06	
6440.00	61.870	165.630	6161.05	244.34	-638.24	-1099.76	1658868.79	14368312.42	39°34'0.4621"N	80°56'4.2904"W	1271.54	239.871	9.39	9.38	0.58	
6490.00†	65.492	165.265	6183.21	289.01	-681.62	-1088.50	1658880.05	14368269.07	39°34'0.0333"N	80°56'4.1470"W	1284.30	237.945	7.27	7.24	-0.73	Burkett: 6490' MD
6534.00	68.680	164.960	6200.34	329.42	-720.78	-1078.08	1658890.46	14368229.92	39°33'59.6462"N	80°56'4.0144"W	1296.84	236.234	7.27	7.25	-0.69	
6564.00†	70.228	164.983	6210.87	357.45	-747.91	-1070.80	1658897.74	14368202.80	39°33'59.3780"N	80°56'3.9217"W	1306.13	235.067	5.16	5.16	0.08	Marcellus POE: 6564' MD
6628.00	73.530	165.030	6230.77	418.11	-806.65	-1055.07	1658913.47	14368144.08	39°33'58.7973"N	80°56'3.7213"W	1328.10	232.600	5.16	5.16	0.07	
6723.00	82.630	166.190	6250.37	510.65	-896.60	-1032.00	1658936.52	14368054.17	39°33'57.9082"N	80°56'3.4277"W	1367.08	229.016	9.65	9.58	1.22	
6817.00	87.880	164.450	6258.15	604.02	-987.18	-1008.27	1658960.25	14367963.63	39°33'57.0128"N	80°56'3.1255"W	1411.07	225.606	5.88	5.59	-1.85	
6910.00	89.290	161.730	6260.44	696.92	-1076.12	-981.23	1658987.27	14367874.72	39°33'56.1336"N	80°56'2.7810"W	1456.31	222.359	3.29	1.52	-2.92	
7006.00	89.170	161.570	6261.73	792.90	-1167.23	-951.01	1659017.48	14367783.65	39°33'55.2329"N	80°56'2.3960"W	1505.61	219.172	0.21	-0.12	-0.17	
7101.00	89.050	160.620	6263.21	887.89	-1257.09	-920.23	1659048.25	14367693.82	39°33'54.3445"N	80°56'2.0039"W	1557.92	216.205	1.01	-0.13	-1.00	
7195.00	89.140	160.260	6264.69	981.88	-1345.66	-888.77	1659079.70	14367605.29	39°33'53.4690"N	80°56'1.6029"W	1612.67	213.444	0.39	0.10	-0.38	
7288.00	89.080	160.360	6266.14	1074.86	-1433.21	-857.44	1659111.02	14367517.77	39°33'52.6035"N	80°56'1.2037"W	1670.12	210.890	0.13	-0.06	0.11	
7383.00	89.230	160.430	6267.54	1169.84	-1522.69	-825.56	1659142.88	14367428.33	39°33'51.7188"N	80°56'0.7976"W	1732.09	208.465	0.17	0.16	0.07	
7477.00	89.450	160.320	6268.62	1263.83	-1611.23	-793.99	1659174.43	14367339.83	39°33'50.8436"N	80°56'0.3954"W	1796.24	206.234	0.26	0.23	-0.12	
7571.00	89.480	159.890	6269.50	1357.82	-1699.61	-762.01	1659206.41	14367251.48	39°33'49.9698"N	80°55'59.9878"W	1862.62	204.149	0.46	0.03	-0.46	
7665.00	89.450	160.050	6270.38	1451.80	-1787.92	-729.81	1659238.59	14367163.20	39°33'49.0968"N	80°55'59.5775"W	1931.14	202.205	0.17	-0.03	0.17	
7760.00	89.320	160.160	6271.40	1546.78	-1877.25	-697.49	1659270.90	14367073.92	39°33'48.2138"N	80°55'59.1656"W	2002.64	200.382	0.18	-0.14	0.12	
7854.00	89.350	160.250	6272.49	1640.77	-1965.69	-665.66	1659302.72	14366985.51	39°33'47.3394"N	80°55'58.7600"W	2075.34	198.708	0.10	0.03	0.10	



Actual Wellpath Report

Magnolia Unit 1H AWP Proj: 16878'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWP
Slot	Slot C		

WELLPATH DATA (185 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
7948.00	89.200	160.110	6273.68	1734.75	-2054.11	-633.79	1659334.58	14366897.12	39°33'46.4653"N	80°55'58.3539"W	2149.67	197.147	0.22	-0.16	-0.15	
8043.00	89.420	160.080	6274.82	1829.74	-2143.43	-601.44	1659366.91	14366807.84	39°33'45.5823"N	80°55'57.9419"W	2226.21	195.674	0.23	0.23	-0.03	
8137.00	89.420	160.480	6275.77	1923.73	-2231.91	-569.73	1659398.61	14366719.39	39°33'44.7076"N	80°55'57.5377"W	2303.48	194.320	0.43	0.00	0.43	
8231.00	89.420	160.030	6276.73	2017.71	-2320.38	-537.97	1659430.35	14366630.96	39°33'43.8330"N	80°55'57.1331"W	2381.93	193.053	0.48	0.00	-0.48	
8325.00	89.320	160.080	6277.76	2111.70	-2408.74	-505.91	1659462.40	14366542.64	39°33'42.9595"N	80°55'56.7248"W	2461.29	191.861	0.12	-0.11	0.05	
8419.00	89.290	159.910	6278.90	2205.68	-2497.06	-473.75	1659494.55	14366454.35	39°33'42.0863"N	80°55'56.3149"W	2541.60	190.743	0.18	-0.03	-0.18	
8513.00	89.200	159.870	6280.14	2299.65	-2585.32	-441.44	1659526.85	14366366.13	39°33'41.2138"N	80°55'55.9031"W	2622.74	189.690	0.10	-0.10	-0.04	
8702.00	89.200	159.640	6282.78	2488.59	-2762.63	-376.04	1659592.22	14366188.89	39°33'39.4609"N	80°55'55.0699"W	2788.10	187.751	0.12	0.00	-0.12	
8797.00	88.680	160.020	6284.53	2583.56	-2851.79	-343.29	1659624.95	14366099.77	39°33'38.5795"N	80°55'54.6526"W	2872.37	186.864	0.68	-0.55	0.40	
8891.00	89.020	160.110	6286.42	2677.53	-2940.14	-311.25	1659656.98	14366011.45	39°33'37.7061"N	80°55'54.2443"W	2956.56	186.043	0.37	0.36	0.10	
8985.00	88.890	159.680	6288.14	2771.50	-3028.39	-278.94	1659689.28	14365923.23	39°33'36.8336"N	80°55'53.8327"W	3041.21	185.263	0.48	-0.14	-0.46	
9080.00	89.170	160.370	6289.74	2866.47	-3117.66	-246.50	1659721.71	14365834.00	39°33'35.9511"N	80°55'53.4193"W	3127.39	184.521	0.78	0.29	0.73	
9174.00	88.950	160.020	6291.29	2960.45	-3206.09	-214.65	1659753.55	14365745.60	39°33'35.0769"N	80°55'53.0135"W	3213.27	183.830	0.44	-0.23	-0.37	
9268.00	88.980	159.770	6292.98	3054.42	-3294.35	-182.34	1659785.84	14365657.38	39°33'34.2043"N	80°55'52.6019"W	3299.39	183.168	0.27	0.03	-0.27	
9363.00	89.200	160.280	6294.49	3149.39	-3383.62	-149.90	1659818.27	14365568.15	39°33'33.3218"N	80°55'52.1885"W	3386.94	182.537	0.58	0.23	0.54	
9457.00	89.170	160.170	6295.83	3243.37	-3472.07	-118.10	1659850.06	14365479.73	39°33'32.4474"N	80°55'51.7834"W	3474.08	181.948	0.12	-0.03	-0.12	
9552.00	89.510	159.910	6296.92	3338.36	-3561.36	-85.67	1659882.48	14365390.48	39°33'31.5647"N	80°55'51.3702"W	3562.39	181.378	0.45	0.36	-0.27	
9646.00	89.290	159.840	6297.91	3432.33	-3649.61	-53.33	1659914.80	14365302.26	39°33'30.6922"N	80°55'50.9582"W	3650.00	180.837	0.25	-0.23	-0.07	
9740.00	89.450	160.120	6298.94	3526.31	-3737.93	-21.15	1659946.97	14365213.98	39°33'29.8191"N	80°55'50.5482"W	3737.99	180.324	0.34	0.17	0.30	
9834.00	89.570	160.130	6299.75	3620.30	-3826.33	10.81	1659978.91	14365125.62	39°33'28.9452"N	80°55'50.1411"W	3826.34	179.838	0.13	0.13	0.01	
9928.00	89.230	160.010	6300.73	3714.29	-3914.69	42.85	1660010.94	14365037.29	39°33'28.0716"N	80°55'49.7329"W	3914.93	179.373	0.38	-0.36	-0.13	
10023.00	89.540	161.050	6301.75	3809.28	-4004.25	74.51	1660042.59	14364947.76	39°33'27.1862"N	80°55'49.3295"W	4004.95	178.934	1.14	0.33	1.09	
10117.00	89.480	160.330	6302.55	3903.27	-4092.96	105.59	1660073.66	14364859.09	39°33'26.3093"N	80°55'48.9336"W	4094.32	178.522	0.77	-0.06	-0.77	
10211.00	89.230	160.930	6303.61	3997.26	-4181.63	136.77	1660104.82	14364770.45	39°33'25.4327"N	80°55'48.5364"W	4183.87	178.127	0.69	-0.27	0.64	
10401.00	89.140	161.370	6306.31	4187.24	-4361.43	198.15	1660166.18	14364590.74	39°33'23.6553"N	80°55'47.7546"W	4385.92	177.399	0.24	-0.05	0.23	
10495.00	89.200	161.270	6307.68	4281.23	-4450.46	228.25	1660196.27	14364501.73	39°33'22.7750"N	80°55'47.3711"W	4456.31	177.064	0.12	0.06	-0.11	
10589.00	89.230	162.310	6308.96	4375.21	-4539.75	257.62	1660225.63	14364412.49	39°33'21.8924"N	80°55'46.9970"W	4547.05	176.752	1.11	0.03	1.11	
10683.00	89.200	161.230	6310.25	4469.19	-4629.02	287.03	1660255.02	14364323.25	39°33'21.0099"N	80°55'46.6225"W	4637.91	176.452	1.15	-0.03	-1.15	
10778.00	89.260	161.980	6311.53	4564.17	-4719.16	317.00	1660284.98	14364233.15	39°33'20.1188"N	80°55'46.2407"W	4729.79	176.157	0.79	0.06	0.79	
10872.00	89.480	162.300	6312.56	4658.15	-4808.62	345.83	1660313.80	14364143.72	39°33'19.2344"N	80°55'45.8736"W	4821.04	175.886	0.41	0.23	0.34	



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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWB
Slot	Slot C		

WELLPATH DATA (185 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
10967.00	89.290	161.920	6313.58	4753.12	-4899.02	375.01	1660342.97	14364053.36	39°33'18.3407"N	80°55'45.5019"W	4913.35	175.623	0.45	-0.20	-0.40	
11061.00	89.320	162.090	6314.72	4847.10	-4988.42	404.05	1660372.00	14363964.00	39°33'17.4569"N	80°55'45.1321"W	5004.75	175.369	0.18	0.03	0.18	
11155.00	89.420	162.330	6315.76	4941.07	-5077.92	432.77	1660400.70	14363874.53	39°33'16.5722"N	80°55'44.7664"W	5096.32	175.129	0.28	0.11	0.26	
11250.00	89.420	162.210	6316.72	5036.04	-5168.40	461.69	1660429.62	14363784.09	39°33'15.6777"N	80°55'44.3980"W	5188.98	174.895	0.13	0.00	-0.13	
11345.00	88.980	162.050	6318.04	5131.01	-5258.81	490.84	1660458.76	14363693.71	39°33'14.7839"N	80°55'44.0267"W	5281.66	174.668	0.49	-0.46	-0.17	
11439.00	89.510	162.280	6319.28	5224.98	-5348.28	519.63	1660487.53	14363604.28	39°33'13.8994"N	80°55'43.6601"W	5373.47	174.451	0.61	0.56	0.24	
11534.00	88.980	161.670	6320.53	5319.96	-5438.61	549.02	1660516.91	14363513.98	39°33'13.0064"N	80°55'43.2858"W	5466.25	174.236	0.85	-0.56	-0.64	
11628.00	88.860	161.920	6322.31	5413.93	-5527.89	578.39	1660546.26	14363424.74	39°33'12.1238"N	80°55'42.9118"W	5558.07	174.027	0.29	-0.13	0.27	
11723.00	89.200	161.910	6323.91	5508.90	-5618.18	607.87	1660575.74	14363334.48	39°33'11.2312"N	80°55'42.5363"W	5650.97	173.825	0.36	0.36	-0.01	
11817.00	89.170	162.090	6325.25	5602.88	-5707.57	636.92	1660604.77	14363245.13	39°33'10.3475"N	80°55'42.1664"W	5743.00	173.633	0.19	-0.03	0.19	
11911.00	89.510	162.040	6326.33	5696.85	-5797.00	665.86	1660633.70	14363155.74	39°33'9.4635"N	80°55'41.7978"W	5835.12	173.448	0.37	0.36	-0.05	
12005.00	89.420	162.850	6327.21	5790.82	-5886.62	694.21	1660662.04	14363066.16	39°33'8.5775"N	80°55'41.4368"W	5927.41	173.274	0.87	-0.10	0.86	
12100.00	89.080	161.960	6328.46	5885.78	-5977.16	722.93	1660690.75	14362975.65	39°33'7.6824"N	80°55'41.0711"W	6020.72	173.104	1.00	-0.36	-0.94	
12194.00	89.010	161.850	6330.02	5979.75	-6066.50	752.12	1660719.93	14362886.34	39°33'6.7992"N	80°55'40.6994"W	6112.95	172.933	0.14	-0.07	-0.12	
12289.00	89.110	161.880	6331.58	6074.73	-6156.77	781.68	1660749.48	14362796.11	39°33'5.9068"N	80°55'40.3229"W	6206.20	172.764	0.11	0.11	0.03	
12383.00	89.170	161.850	6332.99	6168.70	-6246.09	810.94	1660778.72	14362706.83	39°33'5.0238"N	80°55'39.9503"W	6298.51	172.603	0.07	0.06	-0.03	
12477.00	89.140	162.060	6334.38	6262.68	-6335.46	840.05	1660807.83	14362617.50	39°33'4.1403"N	80°55'39.5795"W	6390.91	172.447	0.23	-0.03	0.22	
12572.00	89.050	161.780	6335.88	6357.65	-6425.76	869.53	1660837.29	14362527.23	39°33'3.2477"N	80°55'39.2041"W	6484.32	172.294	0.31	-0.09	-0.29	
12666.00	89.200	162.050	6337.31	6451.63	-6515.10	898.71	1660866.46	14362437.92	39°33'2.3644"N	80°55'38.8326"W	6576.80	172.146	0.33	0.16	0.29	
12760.00	89.230	161.870	6338.60	6545.61	-6604.47	927.82	1660895.55	14362348.59	39°33'1.4809"N	80°55'38.4619"W	6669.33	172.003	0.19	0.03	-0.19	
12855.00	89.200	162.250	6339.90	6640.58	-6694.85	957.08	1660924.80	14362258.25	39°33'0.5875"N	80°55'38.0893"W	6762.91	171.864	0.40	-0.03	0.40	
12950.00	89.110	162.030	6341.30	6735.55	-6785.26	986.21	1660953.92	14362167.88	39°32'59.6937"N	80°55'37.7184"W	6856.55	171.730	0.25	-0.09	-0.23	
13044.00	89.110	161.890	6342.76	6829.52	-6874.63	1015.31	1660983.02	14362078.54	39°32'58.8102"N	80°55'37.3477"W	6949.20	171.599	0.15	0.00	-0.15	
13138.00	89.200	161.020	6344.15	6923.51	-6963.73	1045.21	1661012.90	14361989.47	39°32'57.9293"N	80°55'36.9670"W	7041.74	171.464	0.93	0.10	-0.93	
13233.00	89.200	161.220	6345.48	7018.50	-7053.61	1075.95	1661043.62	14361899.63	39°32'57.0407"N	80°55'36.5756"W	7135.20	171.327	0.21	0.00	0.21	
13327.00	89.140	160.960	6346.84	7112.49	-7142.53	1106.41	1661074.07	14361810.75	39°32'56.1617"N	80°55'36.1876"W	7227.72	171.195	0.28	-0.06	-0.28	
13422.00	89.110	160.710	6348.29	7207.48	-7232.26	1137.59	1661105.24	14361721.06	39°32'55.2747"N	80°55'35.7905"W	7321.18	171.061	0.27	-0.03	-0.26	
13517.00	89.080	160.840	6349.79	7302.46	-7321.95	1168.87	1661136.51	14361631.40	39°32'54.3880"N	80°55'35.3922"W	7414.66	170.930	0.14	-0.03	0.14	
13611.00	89.320	161.130	6351.10	7396.45	-7410.81	1199.49	1661167.12	14361542.58	39°32'53.5095"N	80°55'35.0022"W	7507.25	170.806	0.40	0.26	0.31	
13706.00	89.290	161.030	6352.25	7491.45	-7500.67	1230.29	1661197.91	14361452.75	39°32'52.6211"N	80°55'34.6099"W	7600.90	170.685	0.11	-0.03	-0.11	



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Magnolia Unit 1H AWP Proj: 16878'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWP
Slot	Slot C		

WELLPATH DATA (185 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
13800.00	89.200	161.090	6353.49	7585.44	-7589.57	1260.80	1661228.40	14361363.89	39°32'51.7422"N	80°55'34.2214"W	7693.58	170.568	0.12	-0.10	0.06	
13894.00	89.450	161.650	6354.60	7679.43	-7678.64	1290.83	1661258.42	14361274.85	39°32'50.8617"N	80°55'33.8390"W	7786.38	170.457	0.65	0.27	0.60	
13989.00	89.420	160.390	6355.54	7774.42	-7768.47	1321.72	1661289.30	14361185.06	39°32'49.9736"N	80°55'33.4456"W	7880.11	170.344	1.33	-0.03	-1.33	
14083.00	89.480	160.280	6356.44	7868.41	-7856.98	1353.35	1661320.92	14361096.58	39°32'49.0986"N	80°55'33.0427"W	7972.69	170.227	0.13	0.06	-0.12	
14177.00	89.260	160.070	6357.47	7962.40	-7945.41	1385.23	1661352.78	14361008.19	39°32'48.2244"N	80°55'32.6367"W	8065.26	170.110	0.32	-0.23	-0.22	
14272.00	89.290	160.620	6358.68	8057.39	-8034.86	1417.18	1661384.72	14360918.77	39°32'47.3400"N	80°55'32.2298"W	8158.89	169.997	0.58	0.03	0.58	
14366.00	90.000	160.590	6359.26	8151.38	-8123.53	1448.40	1661415.93	14360830.15	39°32'46.4635"N	80°55'31.8323"W	8251.64	169.891	0.76	0.76	-0.03	
14460.00	89.480	159.730	6359.68	8245.37	-8211.95	1480.30	1661447.81	14360741.76	39°32'45.5894"N	80°55'31.4260"W	8344.30	169.782	1.07	-0.55	-0.91	
14555.00	89.690	159.660	6360.37	8340.34	-8301.04	1513.26	1661480.77	14360652.70	39°32'44.7085"N	80°55'31.0061"W	8437.84	169.669	0.23	0.22	-0.07	
14649.00	89.970	160.010	6360.65	8434.33	-8389.28	1545.67	1661513.16	14360564.50	39°32'43.8362"N	80°55'30.5934"W	8530.48	169.561	0.48	0.30	0.37	
14744.00	89.940	159.820	6360.73	8529.31	-8478.50	1578.29	1661545.77	14360475.32	39°32'42.9541"N	80°55'30.1779"W	8624.15	169.455	0.20	-0.03	-0.20	
14838.00	89.690	159.430	6361.03	8623.28	-8566.62	1611.02	1661578.48	14360387.23	39°32'42.0830"N	80°55'29.7611"W	8716.78	169.349	0.49	-0.27	-0.41	
14932.00	90.030	160.290	6361.26	8717.27	-8654.87	1643.39	1661610.84	14360299.02	39°32'41.2105"N	80°55'29.3489"W	8809.51	169.249	0.98	0.36	0.91	
15026.00	89.850	159.840	6361.36	8811.25	-8743.24	1675.43	1661642.87	14360210.69	39°32'40.3369"N	80°55'28.9407"W	8902.32	169.152	0.52	-0.19	-0.48	
15120.00	89.880	159.960	6361.58	8905.24	-8831.51	1707.74	1661675.16	14360122.45	39°32'39.4641"N	80°55'28.5293"W	8995.11	169.056	0.13	0.03	0.13	
15215.00	90.180	160.210	6361.63	9000.23	-8920.83	1740.10	1661707.51	14360033.16	39°32'38.5811"N	80°55'28.1172"W	9088.96	168.962	0.41	0.32	0.26	
15309.00	90.000	159.820	6361.38	9094.22	-9009.17	1772.22	1661739.62	14359944.86	39°32'37.7078"N	80°55'27.7080"W	9181.82	168.871	0.46	-0.19	-0.41	
15403.00	90.150	159.870	6361.26	9188.20	-9097.41	1804.61	1661772.00	14359856.65	39°32'36.8354"N	80°55'27.2955"W	9274.67	168.780	0.17	0.16	0.05	
15498.00	89.880	159.790	6361.23	9283.18	-9186.59	1837.37	1661804.74	14359767.51	39°32'35.9538"N	80°55'26.8784"W	9368.53	168.690	0.30	-0.28	-0.08	
15592.00	89.940	159.760	6361.38	9377.16	-9274.79	1869.87	1661837.23	14359679.34	39°32'35.0817"N	80°55'26.4645"W	9461.40	168.602	0.07	0.06	-0.03	
15686.00	89.540	159.610	6361.81	9471.14	-9362.94	1902.50	1661869.85	14359591.23	39°32'34.2102"N	80°55'26.0489"W	9554.28	168.514	0.45	-0.43	-0.16	
15780.00	89.690	160.090	6362.44	9565.12	-9451.19	1934.88	1661902.21	14359503.02	39°32'33.3378"N	80°55'25.6365"W	9647.21	168.430	0.53	0.16	0.51	
15874.00	89.850	160.090	6362.82	9659.10	-9539.57	1966.89	1661934.21	14359414.67	39°32'32.4641"N	80°55'25.2289"W	9740.23	168.350	0.17	0.17	0.00	
15969.00	89.850	160.150	6363.07	9754.09	-9628.91	1999.20	1661966.50	14359325.37	39°32'31.5808"N	80°55'24.8175"W	9834.26	168.271	0.06	0.00	0.06	
16063.00	89.630	161.640	6363.49	9848.09	-9717.72	2029.96	1661997.26	14359236.59	39°32'30.7028"N	80°55'24.4258"W	9927.48	168.201	1.60	-0.23	1.59	
16157.00	89.750	162.310	6364.00	9942.07	-9807.11	2059.05	1662026.33	14359147.24	39°32'29.8191"N	80°55'24.0555"W	10020.93	168.143	0.72	0.13	0.71	
16251.00	89.480	161.290	6364.63	10036.06	-9896.40	2088.41	1662055.68	14359057.98	39°32'28.9363"N	80°55'23.6817"W	10114.36	168.084	1.12	-0.29	-1.09	
16346.00	89.940	162.480	6365.11	10131.04	-9986.69	2117.94	1662085.20	14358967.73	39°32'28.0437"N	80°55'23.3057"W	10208.80	168.026	1.34	0.48	1.25	
16440.00	89.630	161.610	6365.47	10225.02	-10076.11	2146.92	1662114.17	14358878.34	39°32'27.1597"N	80°55'22.9368"W	10302.30	167.972	0.98	-0.33	-0.93	
16534.00	89.750	162.190	6365.97	10319.01	-10165.46	2176.12	1662143.36	14358789.03	39°32'26.2764"N	80°55'22.5650"W	10395.77	167.917	0.63	0.13	0.62	



Actual Wellpath Report

Magnolia Unit 1H AWP Proj: 16878'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWB
Slot	Slot C		

WELLPATH DATA (185 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
16628.00	89.820	162.030	6366.33	10412.99	-10254.91	2205.00	1662172.22	14358699.62	39°32'25.3921"N	80°55'22.1974"W	10489.29	167.865	0.19	0.07	-0.17	
16722.00	89.540	162.160	6366.85	10506.97	-10344.36	2233.90	1662201.11	14358610.21	39°32'24.5078"N	80°55'21.8295"W	10582.82	167.814	0.33	-0.30	0.14	
16816.00	89.780	162.480	6367.41	10600.94	-10433.92	2262.45	1662229.65	14358520.68	39°32'23.6225"N	80°55'21.4661"W	10676.39	167.766	0.43	0.26	0.34	
16853.00	89.820	162.220	6367.54	10637.93	-10469.18	2273.66	1662240.86	14358485.44	39°32'23.2739"N	80°55'21.3233"W	10713.22	167.747	0.71	0.11	-0.70	
16878.00†	89.820	162.220	6367.62	10662.92	-10492.98	2281.30	1662248.49	14358461.64	39°32'23.0385"N	80°55'21.2261"W	10738.11	167.734	0.00	0.00	0.00	Projected MD at TD: 16878'

HOLE & CASING SECTIONS - Ref Wellbore: Magnolia Unit 1H AWB Ref Wellpath: Magnolia Unit 1H AWP Proj: 16878'									
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	0.24	0.26
17.5in Open Hole	130.00	585.00	455.00	130.00	585.00	0.24	0.26	1.19	0.30
13.375in Casing Surface	30.00	565.00	535.00	30.00	565.00	0.00	0.00	1.11	0.33
12.375in Open Hole	585.00	3324.00	2739.00	585.00	3250.66	1.19	0.30	-114.51	-568.93
9.625in Casing Intermediate	30.00	3294.00	3264.00	30.00	3221.46	0.00	0.00	-113.40	-562.14
8.75in Open Hole	3324.00	5632.00	2308.00	3250.66	5490.57	-114.51	-568.93	-265.84	-1099.94
8.5in Open Hole	5632.00	16878.00	11246.00	5490.57	6367.62	-265.84	-1099.94	-10492.98	2281.30
5.5in Casing Production	30.00	16858.00	16828.00	30.00	6367.55	0.00	0.00	-10473.94	2275.19



Actual Wellpath Report

Magnolia Unit 1H AWP Proj: 16878'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWB
Slot	Slot C		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Magnolia Unit 1H POE Rev-3	6209.00	-730.73	-1082.60	1658885.94	14368219.97	39°33'59.5478"N	80°56'4.0723"W	point
Magnolia Unit 1H LP Rev-3	6256.00	-966.09	-1001.32	1658967.19	14367984.71	39°33'57.2212"N	80°56'3.0365"W	point
Magnolia Unit 1H BHL Rev-3	6343.83	-10478.56	2284.14	1662251.33	14358476.06	39°32'23.1811"N	80°55'21.1897"W	point
Magnolia Unit 1H 50' L/R Hard Line	6500.00	-5604.65	600.77	1660568.63	14363348.01	39°33'11.3651"N	80°55'42.6269"W	rectangle
2D Rectangle 10312.9 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Magnolia Unit 1H AWB Ref Wellpath: Magnolia Unit 1H AWP Proj: 16878'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	468.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-468')	Magnolia Unit 1H AWB	10/17/2024
468.00	3246.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-3/8"> (468')(650'-3246')	Magnolia Unit 1H AWB	10/17/2024
3246.00	5555.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3246')(3296'-5555')	Magnolia Unit 1H AWB	11/10/2024
5555.00	16878.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH Lucida <8-1/2"> (5555')(5605'-16853')	Magnolia Unit 1H AWB	11/10/2024



Actual Wellpath Report

Magnolia Unit 1H AWP Proj: 16878'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Magnolia Unit 1H
Field	Tyler	API	47-095-02891-0000
Facility	Starkey Pad	Wellbore	Magnolia Unit 1H AWB
Slot	Slot C		

COMMENTS

Wellpath general comments

API: 47-095-02891-0000

BH Job #: 112427961

Rig: H&P 519

Duration: 11/11/2024-11/14/2024

Gyrodata MS Gyro <17-1/2"> (100'-468')

APS EM <12-3/8"> (468')(650'-3246')

APS EM <8-3/4"> (3246')(3296'-5555')

BH Lucida <8-1/2"> (5555')(5605'-16853')

Sycamore: 6182' MD

Middlesex: 6325' MD

Burkett: 6490' MD

Marcellus POE: 6564' MD

Projected MD at TD: 16878'