



# ANTERO RESOURCES CORPORATION



Location: Tyler County, WV  
Field: Tyler  
Facility: Thin Air Pad

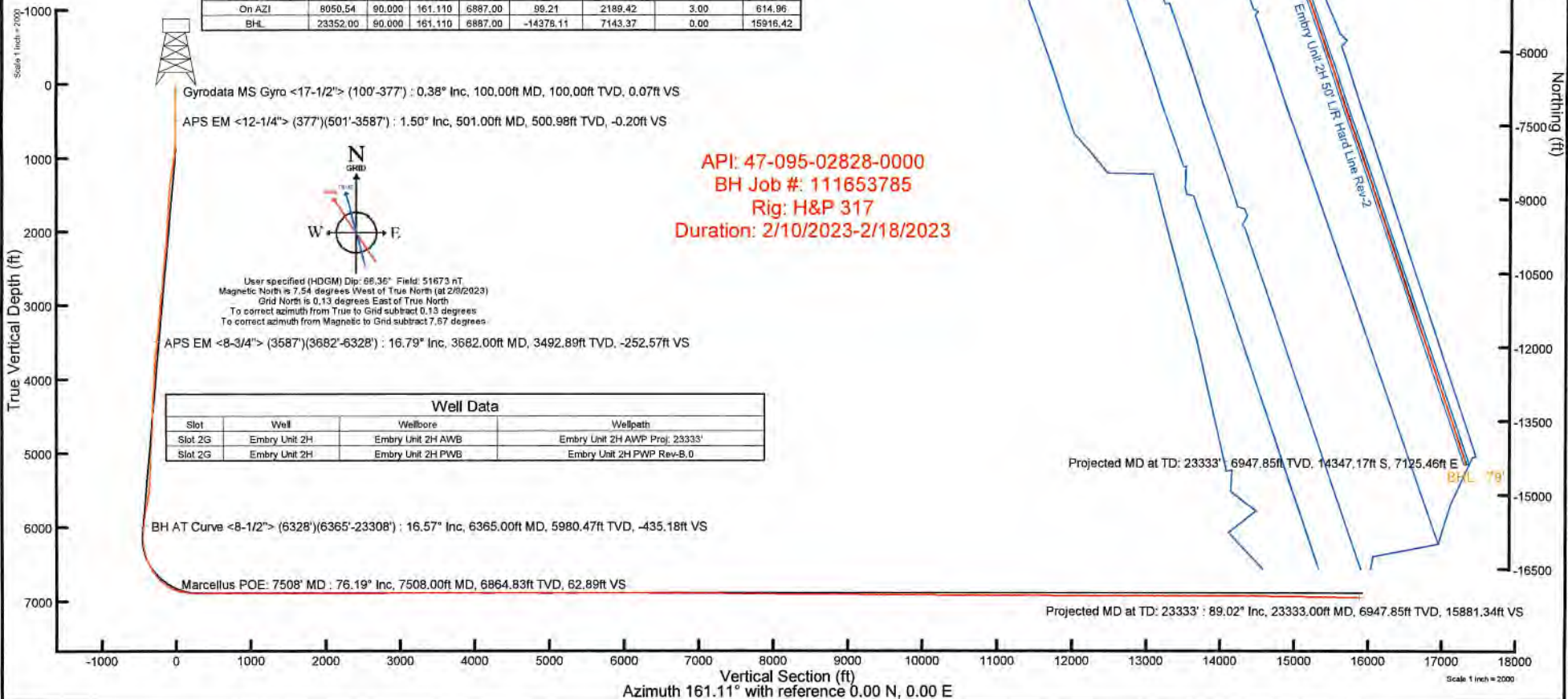
Slot: Slot 2G  
Well: Embry Unit 2H  
Wellbore: Embry Unit 2H PWB

Easting (ft)

Plot reference wellpath is Embry Unit 2H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 N, US Feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1225.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot 2G): -1200 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edcayanar on 2023-03-14; Database: WA_MPL_EASTERNUS_Defn

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Thin Air Pad	1698787.140	14354225.910	39°31'40.5880"N	80°47'34.7850"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot 2G	198.41	130.63	1698817.720	14354424.240	39°31'42.5460"N
Comment	Embry Unit 2H				
H&P 317 (RKB) to Ground level (At Slot: Slot 2G)	25.5ft				
Mean Sea Level to Ground level (At Slot: Slot 2G)	-1200ft				
H&P 317 (RKB) to Mean Sea Level	1225.5ft				

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	25.50	0.000	58.578	25.50	0.00	0.00	0.00	0.00
KOP 1	490.00	0.000	58.578	490.00	0.00	0.00	0.00	0.00
End of Build	1214.22	21.726	58.578	1196.98	70.73	115.78	3.00	-29.44
Curve KOP	6487.56	21.726	58.578	6095.72	1088.41	1781.58	0.00	-453.00
POE	7528.15	74.217	170.853	6860.00	606.59	2079.86	8.00	99.44
Landing Pt.	7725.43	90.000	170.853	6887.00	414.27	2110.79	8.00	291.42
On AZI	8050.54	90.000	161.110	6887.00	99.21	2189.42	3.00	614.96
BHL	23352.00	90.000	161.110	6887.00	-14378.11	7143.37	0.00	15916.42



API: 47-095-02828-0000  
BH Job #: 111653785  
Rig: H&P 317  
Duration: 2/10/2023-2/18/2023

Well Data			
Slot	Well	Wellbore	Wellpath
Slot 2G	Embry Unit 2H	Embry Unit 2H AWB	Embry Unit 2H AWP Proj: 23333'
Slot 2G	Embry Unit 2H	Embry Unit 2H PWB	Embry Unit 2H PWP Rev-B.0

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Projected MD at TD: 23333' : 89.02° Inc, 23333.00ft MD, 6947.85ft TVD, 15881.34ft VS

Vertical Section (ft)  
Azimuth 161.11° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000



# Actual Wellpath Report

Embry Unit 2H AWP Proj: 23333'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Embry Unit 2H
Field	Tyler	API	47-095-02828-0000
Facility	Thin Air Pad	Wellbore	Embry Unit 2H AWB
Slot	Slot 2G		

## REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999604	Report Generated	3/14/2023 at 1:28:51 AM
Convergence at slot	0.13° 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	198.41	130.63	1698917.72	14354424.24	39°31'42.5460"N	80°47'33.1120"W
Facility Reference Pt			1698787.14	14354225.91	39°31'40.5880"N	80°47'34.7850"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 317 (RKB) to Facility Vertical Datum	1225.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1225.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot 2G)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.11°

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# Actual Wellpath Report

Embry Unit 2H AWP Proj: 23333'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Embry Unit 2H
Field	Tyler		API	47-095-02828-0000
Facility	Thin Air Pad		Wellbore	Embry Unit 2H AWB
Slot	Slot 2G			

WELLPATH DATA (256 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
16290.00	89.820	161.650	6908.03	8838.83	-7684.86	4842.80	1703758.59	14346742.44	39°30'26.4794"N	80°46'31.5533"W	9083.48	147.782	0.51	-0.09	-0.51	
16384.00	90.550	161.720	6907.73	8932.83	-7774.09	4872.33	1703788.11	14346653.24	39°30'25.5967"N	80°46'31.1793"W	9174.76	147.923	0.78	0.78	0.07	
16479.00	89.450	159.360	6907.73	9027.81	-7863.66	4903.98	1703819.75	14346563.71	39°30'24.7107"N	80°46'30.7784"W	9267.48	148.051	2.74	-1.16	-2.48	
16573.00	89.510	160.870	6908.58	9121.79	-7952.05	4935.95	1703851.71	14346475.36	39°30'23.8364"N	80°46'30.3733"W	9359.42	148.172	1.61	0.06	1.61	
16668.00	89.420	161.350	6909.47	9216.79	-8041.93	4966.71	1703882.45	14346385.51	39°30'22.9473"N	80°46'29.9838"W	9452.02	148.300	0.51	-0.09	0.51	
16762.00	90.030	161.410	6909.92	9310.78	-8131.01	4996.72	1703912.45	14346296.47	39°30'22.0662"N	80°46'29.6038"W	9543.61	148.428	0.65	0.65	0.06	
16857.00	89.450	160.780	6910.35	9405.78	-8220.88	5027.50	1703943.22	14346206.63	39°30'21.1772"N	80°46'29.2139"W	9636.32	148.552	0.90	-0.61	-0.66	
16951.00	89.820	161.180	6910.95	9499.78	-8309.75	5058.13	1703973.84	14346117.80	39°30'20.2981"N	80°46'28.8260"W	9728.13	148.671	0.58	0.39	0.43	
17046.00	89.320	160.290	6911.66	9594.77	-8399.42	5089.47	1704005.17	14346028.16	39°30'19.4110"N	80°46'28.4290"W	9821.05	148.787	1.07	-0.53	-0.94	
17140.00	89.630	160.490	6912.52	9688.76	-8487.97	5121.02	1704036.70	14345939.65	39°30'18.5352"N	80°46'28.0293"W	9913.14	148.896	0.39	0.33	0.21	
17235.00	89.750	160.730	6913.04	9783.76	-8577.58	5152.56	1704068.23	14345850.08	39°30'17.6487"N	80°46'27.6298"W	10006.18	149.007	0.28	0.13	0.25	
17330.00	89.450	161.230	6913.70	9878.75	-8667.39	5183.52	1704099.18	14345760.30	39°30'16.7603"N	80°46'27.2377"W	10099.13	149.119	0.61	-0.32	0.53	
17424.00	89.600	161.120	6914.48	9972.75	-8756.36	5213.85	1704129.50	14345671.37	39°30'15.8803"N	80°46'26.8536"W	10191.08	149.229	0.20	0.16	-0.12	
17519.00	89.780	161.310	6914.99	10067.75	-8846.29	5244.44	1704160.07	14345581.47	39°30'14.9906"N	80°46'26.4662"W	10284.02	149.339	0.28	0.19	0.20	
17613.00	89.660	161.420	6915.45	10161.75	-8935.37	5274.48	1704190.10	14345492.43	39°30'14.1096"N	80°46'26.0859"W	10375.98	149.447	0.17	-0.13	0.12	
17708.00	89.260	161.210	6916.35	10256.74	-9025.35	5304.91	1704220.52	14345402.48	39°30'13.2194"N	80°46'25.7005"W	10468.96	149.554	0.48	-0.42	-0.22	
17802.00	89.750	160.990	6917.16	10350.74	-9114.28	5335.36	1704250.95	14345313.59	39°30'12.3398"N	80°46'25.3150"W	10561.07	149.656	0.57	0.52	-0.23	
17897.00	89.290	161.370	6917.96	10445.73	-9204.20	5366.00	1704281.59	14345223.70	39°30'11.4503"N	80°46'24.9269"W	10654.17	149.758	0.63	-0.48	0.40	
17991.00	90.490	162.250	6918.14	10539.73	-9293.50	5395.35	1704310.92	14345134.44	39°30'10.5670"N	80°46'24.5554"W	10746.11	149.863	1.58	1.28	0.94	
18086.00	89.570	161.230	6918.09	10634.72	-9383.71	5425.11	1704340.67	14345044.26	39°30'9.6747"N	80°46'24.1786"W	10839.09	149.966	1.45	-0.97	-1.07	
18180.00	89.750	161.100	6918.65	10728.72	-9472.68	5455.46	1704371.01	14344955.33	39°30'8.7946"N	80°46'23.7943"W	10931.32	150.062	0.24	0.19	-0.14	
18275.00	89.970	161.600	6918.88	10823.71	-9562.69	5485.84	1704401.37	14344865.36	39°30'7.9043"N	80°46'23.4097"W	11024.49	150.158	0.58	0.23	0.53	
18370.00	89.720	161.410	6919.13	10918.71	-9652.78	5515.97	1704431.50	14344775.30	39°30'7.0131"N	80°46'23.0281"W	11117.65	150.255	0.33	-0.26	-0.20	
18464.00	89.690	161.070	6919.62	11012.71	-9741.79	5546.20	1704461.72	14344686.33	39°30'6.1327"N	80°46'22.6453"W	11209.94	150.346	0.36	-0.03	-0.36	
18559.00	89.600	161.290	6920.21	11107.71	-9831.71	5576.85	1704492.35	14344596.45	39°30'5.2432"N	80°46'22.2573"W	11303.26	150.437	0.25	-0.09	0.23	
18654.00	89.820	161.230	6920.69	11202.71	-9921.67	5607.37	1704522.86	14344506.52	39°30'4.3533"N	80°46'21.8708"W	11396.58	150.526	0.24	0.23	-0.06	
18748.00	89.940	161.590	6920.88	11296.70	-10010.76	5637.34	1704552.81	14344417.46	39°30'3.4720"N	80°46'21.4914"W	11488.91	150.615	0.40	0.13	0.38	
18843.00	89.780	161.160	6921.12	11391.70	-10100.79	5667.88	1704583.14	14344327.47	39°30'2.5815"N	80°46'21.1072"W	11582.25	150.703	0.48	-0.17	-0.45	
18937.00	89.750	161.100	6921.50	11485.70	-10189.74	5698.08	1704613.53	14344238.56	39°30'1.7017"N	80°46'20.7223"W	11674.71	150.786	0.07	-0.03	-0.06	
19032.00	89.940	161.420	6921.76	11580.70	-10279.70	5728.60	1704644.04	14344148.63	39°30'0.8118"N	80°46'20.3358"W	11768.14	150.870	0.39	0.20	0.34	

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# Actual Wellpath Report

Embry Unit 2H AWP Proj: 23333'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Embry Unit 2H
Field	Tyler	API	47-095-02828-0000
Facility	Thin Air Pad	Wellbore	Embry Unit 2H AWB
Slot	Slot 2G		

## WELLPATH DATA (256 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
19126.00	89.750	161.310	6922.01	11674.70	-10368.77	5758.64	1704674.06	14344059.60	39°29'59.9307"N	80°46'19.9555"W	11860.58	150.953	0.23	-0.20	-0.12	
19221.00	89.570	161.100	6922.58	11769.70	-10458.70	5789.24	1704704.66	14343969.70	39°29'59.0411"N	80°46'19.5680"W	11954.07	151.034	0.29	-0.19	-0.22	
19315.00	89.630	161.340	6923.23	11863.70	-10547.70	5819.51	1704734.91	14343880.74	39°29'58.1608"N	80°46'19.1848"W	12046.60	151.113	0.26	0.06	0.26	
19409.00	89.660	161.170	6923.82	11957.69	-10636.71	5849.71	1704765.10	14343791.77	39°29'57.2803"N	80°46'18.8024"W	12139.14	151.191	0.18	0.03	-0.18	
19504.00	90.460	161.670	6923.72	12052.69	-10726.76	5879.98	1704795.36	14343701.75	39°29'56.3896"N	80°46'18.4192"W	12232.64	151.270	0.99	0.84	0.53	
19598.00	89.350	160.770	6923.87	12146.69	-10815.75	5910.24	1704825.61	14343612.80	39°29'55.5093"N	80°46'18.0360"W	12325.23	151.346	1.52	-1.18	-0.96	
19693.00	90.030	161.640	6924.39	12241.68	-10905.68	5940.85	1704856.20	14343522.90	39°29'54.6197"N	80°46'17.6485"W	12418.84	151.421	1.16	0.72	0.92	
19787.00	89.850	161.280	6924.48	12335.68	-10994.80	5970.74	1704886.08	14343433.81	39°29'53.7381"N	80°46'17.2701"W	12511.41	151.496	0.43	-0.19	-0.38	
19882.00	89.750	161.290	6924.82	12430.68	-11084.78	6001.22	1704916.55	14343343.87	39°29'52.8481"N	80°46'16.8842"W	12605.04	151.569	0.11	-0.11	0.01	
19976.00	90.060	160.120	6924.97	12524.68	-11173.50	6032.28	1704947.60	14343255.19	39°29'51.9705"N	80°46'16.4908"W	12697.85	151.637	1.29	0.33	-1.24	
20071.00	90.030	159.980	6924.90	12619.66	-11262.80	6064.69	1704980.00	14343165.93	39°29'51.0871"N	80°46'16.0803"W	12791.84	151.699	0.15	-0.03	-0.15	
20166.00	89.970	160.440	6924.90	12714.65	-11352.18	6096.86	1705012.15	14343076.57	39°29'50.2028"N	80°46'15.6729"W	12885.80	151.761	0.49	-0.06	0.48	
20259.00	89.880	160.370	6925.02	12807.64	-11439.80	6128.05	1705043.33	14342988.99	39°29'49.3361"N	80°46'15.2778"W	12977.75	151.823	0.12	-0.10	-0.08	
20354.00	90.150	160.360	6924.99	12902.63	-11529.27	6159.97	1705075.24	14342899.55	39°29'48.4510"N	80°46'14.8735"W	13071.70	151.885	0.28	0.28	-0.01	
20449.00	90.220	160.720	6924.69	12997.63	-11618.85	6191.62	1705106.87	14342810.02	39°29'47.5649"N	80°46'14.4727"W	13165.63	151.947	0.39	0.07	0.38	
20543.00	89.780	160.480	6924.69	13091.62	-11707.51	6222.84	1705138.08	14342721.39	39°29'46.6879"N	80°46'14.0773"W	13258.56	152.008	0.53	-0.47	-0.26	
20638.00	89.630	159.360	6925.18	13186.60	-11796.73	6255.46	1705170.69	14342632.20	39°29'45.8052"N	80°46'13.6642"W	13352.66	152.064	1.19	-0.16	-1.18	
20733.00	90.090	160.370	6925.41	13281.58	-11885.92	6288.16	1705203.38	14342543.05	39°29'44.9229"N	80°46'13.2499"W	13446.79	152.119	1.17	0.48	1.06	
20827.00	89.720	160.000	6925.57	13375.56	-11974.36	6320.02	1705235.23	14342454.65	39°29'44.0481"N	80°46'12.8464"W	13539.87	152.175	0.56	-0.39	-0.39	
20922.00	89.940	160.140	6925.85	13470.55	-12063.67	6352.41	1705267.60	14342365.37	39°29'43.1646"N	80°46'12.4362"W	13633.97	152.230	0.27	0.23	0.15	
21016.00	89.940	160.330	6925.95	13564.54	-12152.13	6384.19	1705299.37	14342276.95	39°29'42.2895"N	80°46'12.0336"W	13727.06	152.285	0.20	0.00	0.20	
21110.00	89.690	161.210	6926.25	13658.53	-12240.88	6415.15	1705330.32	14342188.23	39°29'41.4115"N	80°46'11.6416"W	13820.04	152.342	0.97	-0.27	0.94	
21205.00	89.780	161.100	6926.69	13753.53	-12330.79	6445.84	1705360.99	14342098.36	39°29'40.5222"N	80°46'11.2531"W	13913.92	152.402	0.15	0.09	-0.12	
21300.00	89.850	161.330	6927.00	13848.53	-12420.73	6476.43	1705391.57	14342008.45	39°29'39.6325"N	80°46'10.8658"W	14007.81	152.462	0.25	0.07	0.24	
21394.00	90.060	161.570	6927.07	13942.53	-12509.85	6506.33	1705421.46	14341919.37	39°29'38.7510"N	80°46'10.4873"W	14100.66	152.521	0.34	0.22	0.26	
21489.00	89.880	161.490	6927.12	14037.53	-12599.95	6536.43	1705451.55	14341829.30	39°29'37.8597"N	80°46'10.1063"W	14194.50	152.581	0.21	-0.19	-0.08	
21584.00	90.090	161.470	6927.14	14132.53	-12690.03	6566.61	1705481.71	14341739.26	39°29'36.9686"N	80°46'9.7243"W	14288.36	152.640	0.22	0.22	-0.02	
21678.00	89.820	161.410	6927.22	14226.52	-12779.14	6596.53	1705511.62	14341650.18	39°29'36.0871"N	80°46'9.3456"W	14381.26	152.697	0.29	-0.29	-0.06	
21771.00	89.940	161.360	6927.41	14319.52	-12867.28	6626.21	1705541.29	14341562.08	39°29'35.2153"N	80°46'8.9698"W	14473.20	152.753	0.14	0.13	-0.05	
21866.00	89.970	161.480	6927.49	14414.52	-12957.33	6656.48	1705571.55	14341472.07	39°29'34.3246"N	80°46'8.5867"W	14567.12	152.809	0.13	0.03	0.13	

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Embry Unit 2H AWP Proj: 23333'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Embry Unit 2H
Field	Tyler	API	47-095-02828-0000
Facility	Thin Air Pad	Wellbore	Embry Unit 2H AWB
Slot	Slot 2G		

WELLPATH DATA (256 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
21961.00	89.750	161.330	6927.72	14509.52	-13047.37	6686.77	1705601.83	14341382.07	39°29'33.4339"N	80°46'8.2032"W	14661.06	152.865	0.28	-0.23	-0.16	
22055.00	89.230	160.900	6928.56	14603.52	-13136.30	6717.20	1705632.24	14341293.17	39°29'32.5541"N	80°46'7.8181"W	14754.09	152.917	0.72	-0.55	-0.46	
22150.00	89.660	161.340	6929.48	14698.51	-13226.19	6747.94	1705662.97	14341203.32	39°29'31.6650"N	80°46'7.4289"W	14848.12	152.970	0.65	0.45	0.46	
22244.00	89.600	161.000	6930.08	14792.51	-13315.16	6778.28	1705693.30	14341114.39	39°29'30.7849"N	80°46'7.0449"W	14941.16	153.021	0.37	-0.06	-0.36	
22338.00	88.950	161.530	6931.27	14886.50	-13404.17	6808.47	1705723.48	14341025.41	39°29'29.9045"N	80°46'6.6627"W	15034.19	153.072	0.89	-0.69	0.56	
22433.00	89.110	161.370	6932.88	14981.48	-13494.22	6838.68	1705753.68	14340935.39	39°29'29.0137"N	80°46'6.2802"W	15128.17	153.125	0.24	0.17	-0.17	
22527.00	88.950	161.190	6934.47	15075.47	-13583.23	6868.85	1705783.83	14340846.41	39°29'28.1332"N	80°46'5.8984"W	15221.21	153.175	0.26	-0.17	-0.19	
22621.00	89.050	161.540	6936.11	15169.46	-13672.29	6898.88	1705813.85	14340757.39	39°29'27.2522"N	80°46'5.5182"W	15314.24	153.225	0.39	0.11	0.37	
22716.00	89.140	161.650	6937.61	15264.44	-13762.42	6928.87	1705843.83	14340667.30	39°29'26.3607"N	80°46'5.1387"W	15408.23	153.276	0.15	0.09	0.12	
22810.00	89.050	161.710	6939.10	15358.42	-13851.64	6958.41	1705873.36	14340578.11	39°29'25.4781"N	80°46'4.7648"W	15501.21	153.327	0.12	-0.10	0.06	
22905.00	89.080	161.350	6940.65	15453.41	-13941.74	6988.51	1705903.44	14340488.05	39°29'24.5869"N	80°46'4.3839"W	15595.23	153.377	0.38	0.03	-0.38	
22999.00	89.110	161.660	6942.13	15547.39	-14030.87	7018.32	1705933.25	14340398.95	39°29'23.7052"N	80°46'4.0066"W	15688.28	153.426	0.33	0.03	0.33	
23093.00	89.020	161.300	6943.67	15641.38	-14119.99	7048.18	1705963.09	14340309.87	39°29'22.8236"N	80°46'3.6287"W	15781.35	153.473	0.39	-0.10	-0.38	
23282.00	88.980	161.100	6946.96	15830.35	-14298.88	7109.07	1706023.96	14340131.05	39°29'21.0540"N	80°46'2.8578"W	15968.62	153.564	0.11	-0.02	-0.11	
23308.00	89.020	161.310	6947.42	15856.35	-14323.49	7117.45	1706032.34	14340106.45	39°29'20.8106"N	80°46'2.7518"W	15994.39	153.577	0.82	0.15	0.81	
23333.00‡	89.020	161.310	6947.85	15881.34	-14347.17	7125.46	1706040.34	14340082.78	39°29'20.5764"N	80°46'2.6504"W	16019.16	153.589	0.00	0.00	0.00	Projected MD at TD: 23333'

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# Actual Wellpath Report

Embry Unit 2H AWP Proj: 23333'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Embry Unit 2H
Field	Tyler	API	47-095-02828-0000
Facility	Thin Air Pad	Wellbore	Embry Unit 2H AWB
Slot	Slot 2G		

HOLE & CASING SECTIONS - Ref Wellbore: Embry Unit 2H AWB Ref Wellpath: Embry Unit 2H AWP Proj: 23333'									
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	25.50	126.00	100.50	25.50	126.00	0.00	0.00	-0.24	-0.36
17.5in Open Hole	126.00	469.00	343.00	126.00	468.98	-0.24	-0.36	-0.72	-2.38
13.375in Casing Surface	25.50	439.00	413.50	25.50	438.99	0.00	0.00	-0.93	-2.71
12.25in Open Hole	469.00	3664.00	3195.00	468.98	3475.67	-0.72	-2.38	559.22	860.68
9.625in Casing Intermediate	25.50	3634.00	3608.50	25.50	3447.00	0.00	0.00	553.33	854.08
8.75in Open Hole	3664.00	6401.00	2737.00	3475.67	6014.94	559.22	860.68	1057.20	1736.80
8.5in Open Hole	6401.00	23333.00	16932.00	6014.94	6947.85	1057.20	1736.80	-14347.17	7125.46
5.5in Casing Production	25.50	23313.00	23287.50	25.50	6947.50	0.00	0.00	-14328.23	7119.05

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# Actual Wellpath Report

Embry Unit 2H AWP Proj: 23333'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Embry Unit 2H
Field	Tyler	API	47-095-02828-0000
Facility	Thin Air Pad	Wellbore	Embry Unit 2H AWB
Slot	Slot 2G		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Embry Unit 2H POE Rev-2	6860.00	606.59	2079.86	1700996.75	14355030.59	39°31'48.4929"N	80°47'6.5506"W	point
Embry Unit 2H AZI Rev-2	6887.00	99.21	2189.42	1701106.27	14354523.42	39°31'43.4757"N	80°47'5.1678"W	point
Embry Unit 2H BHL Rev-2	6887.00	-15216.25	7430.17	1706344.93	14339214.05	39°29'11.9792"N	80°45'58.7927"W	point
Embry Unit 2H BHL Rev-3	6887.00	-14378.11	7143.37	1706058.25	14340051.85	39°29'20.2701"N	80°46'2.4230"W	point
Embry Unit 2H LP Rev-2	6887.00	414.27	2110.79	1701027.67	14354838.34	39°31'46.5913"N	80°47'6.1617"W	point
Embry Unit 2H 50' L/R Hard Line Rev-2	7000.00	-7139.45	4666.40	1703582.26	14347287.63	39°30'31.8742"N	80°46'33.7865"W	rectangle
2D Rectangle 15301.5 x 100.								

## WELLPATH COMPOSITION - Ref Wellbore: Embry Unit 2H AWB Ref Wellpath: Embry Unit 2H AWP Proj: 23333'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	377.00	Gyrodatta 2015 - GC+WR+DPIPE	01_Gyrodatta MS Gyro <17-1/2"> (100'-377')	Embry Unit 2H AWB	2/9/2023
377.00	3587.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (377')(501'-3587')	Embry Unit 2H AWB	2/9/2023
3587.00	6328.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3587')(3682'-6328')	Embry Unit 2H AWB	2/9/2023
6328.00	23333.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04_BH AT Curve <8-1/2"> (6328')(6365'-23308')	Embry Unit 2H AWB	2/9/2023

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# Actual Wellpath Report

Embry Unit 2H AWP Proj: 23333'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Embry Unit 2H
Field	Tyler	API	47-095-02828-0000
Facility	Thin Air Pad	Wellbore	Embry Unit 2H AWB
Slot	Slot 2G		

## COMMENTS

### Wellpath general comments

API: 47-095-02828-0000  
 BH Job #: 111653785  
 Rig: H&P 317  
 Duration: 2/10/2023-2/18/2023  
 Gyrodata MS Gyro <17-1/2"> (100'-377')  
 APS EM <12-1/4"> (377')(501'-3587')  
 APS EM <8-3/4"> (3587')(3682'-6328')  
 BH AT Curve <8-1/2"> (6328')(6365'-23308')  
 Sycamore: 6990' MD  
 Middlesex: 7123' MD  
 Burkett: 7276' MD  
 Tully: 7336' MD  
 Marcellus POE: 7508' MD  
 Projected MD at TD: 23333'

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