



ANTERO RESOURCES CORPORATION

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

Slot: Slot I
Well: Burch Unit 1H
Wellbore: Burch Unit 1H PWB

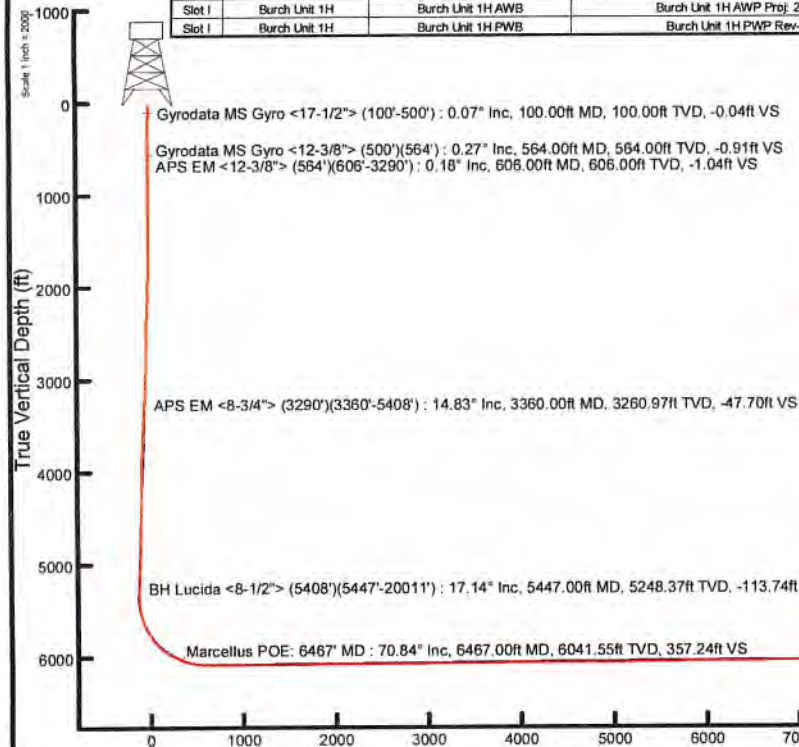


True vertical depth is referenced to H&P 317 (RKB)	Grid System: NAD27 / UTM Zone 17 North, US feet
Reference wellpath measured depths are referenced to H&P 317 (RKB)	North Reference: Grid north
H&P 317 (RKB) to Mean Sea Level: 962.5 feet	Scale: True distance
Mean Sea Level to Ground level (At Slot: Slot I) - 937 feet	Coordinates are in feet referenced to Slot
Offset wellpath MDs are referenced to each path's default MD datum	Depths are in feet
	Created by: edward on 2024-11-17, Database: V&A MPL, EASTERNUS, Dat

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Wrigley Pad	1638329.430	14315281.560	39°25'16.2920"N	81°00'26.6070"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot I	43.00	-233.55	1638095.970	14315334.540	39°25'16.7168"N
Comment: Burch Unit 1H					
H&P 317 (RKB) to Ground level (At Slot: Slot I)	25.5ft				
Mean Sea Level to Ground level (At Slot: Slot I)	-937ft				
H&P 317 (RKB) to Mean Sea Level	962.5ft				

Well Profile Data								
Design Comment	MD (ft)	Inc. (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3290.00	15.650	240.070	3193.43	-272.69	-618.27	1.82	-44.03
Proj. to Bottom	3362.00	15.650	240.070	3262.77	-282.59	-635.11	0.00	-47.36
Drill Out	3442.00	15.650	240.070	3339.80	-293.35	-653.81	0.00	-51.05
End of 3D Arc	3509.94	17.426	243.592	3404.93	-302.45	-670.86	3.00	-53.74
Curve KOP	5553.49	17.426	243.592	5354.69	-574.64	-1218.98	0.00	-121.19
POE	6458.77	69.577	339.920	6038.00	-182.92	-1528.35	8.00	352.93
Landing Pt.	6719.05	90.400	339.920	6083.00	56.49	-1615.88	8.00	607.84
BHL	22453.95	90.400	339.920	5973.15	14834.54	-7018.11	0.00	16342.35

Well Data			
Slot	Well	Wellbore	Wellpath
Slot I	Burch Unit 1H	Burch Unit 1H AWP	Burch Unit 1H AWP Proj: 20076'
Slot I	Burch Unit 1H	Burch Unit 1H PWB	Burch Unit 1H PWP Rev-B.0



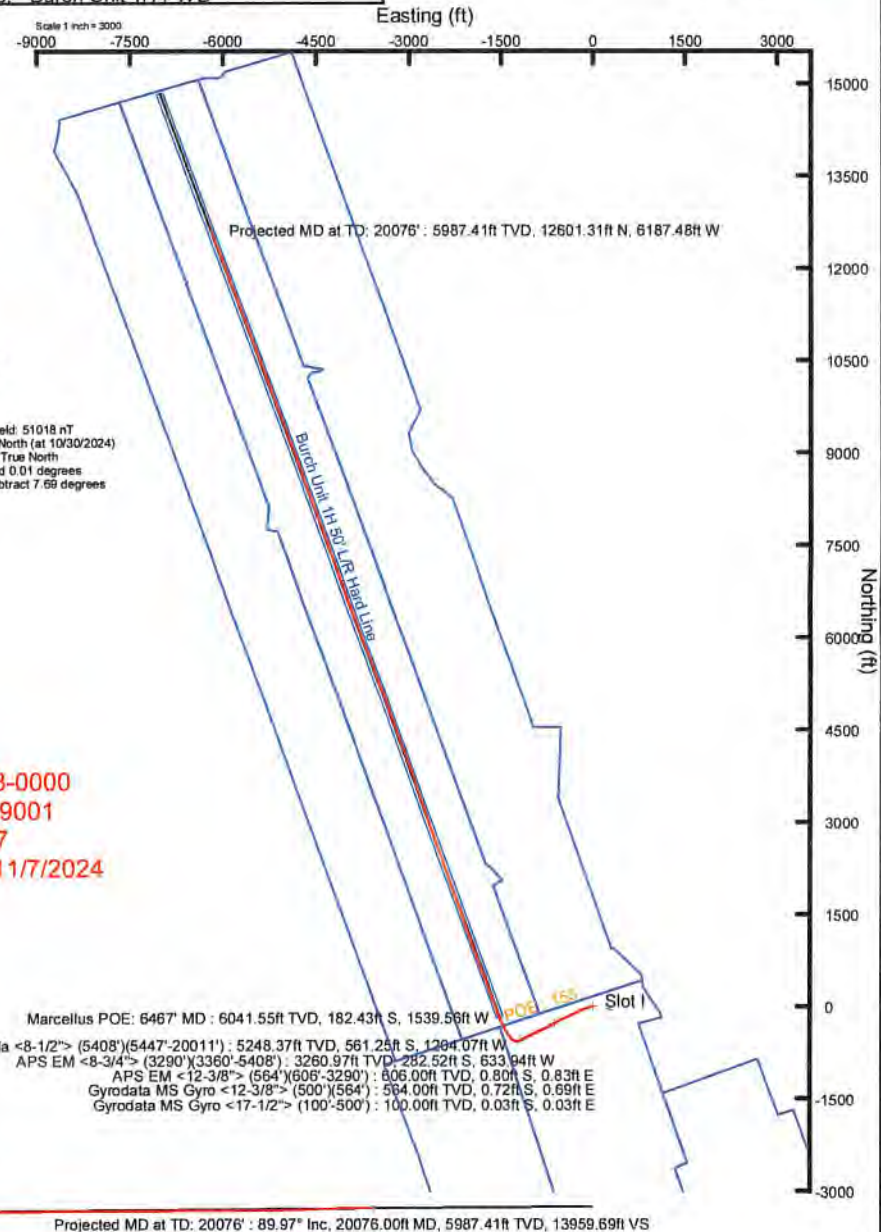
User specified (HOGM) Dip: 65.93° Field: 51018 nT
Magnetic North is 7.70 degrees West of True North (at 10/30/2024)
Grid North is 0.01 degrees West of True North
To correct azimuth from True to Grid add 0.01 degrees
To correct azimuth from Magnetic to Grid subtract 7.69 degrees

API: 47-095-02893-0000
BH Job #: 112439001
Rig: H&P 317
Duration: 11/3/2024-11/7/2024

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Vertical Section (ft)
Azimuth 339.92° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000



Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 1 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

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 5:56:40 PM
Convergence at slot	0.01° West	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	43.00	-233.55	1638095.97	14315334.54	39°25'16.7168"N	81°00'29.5831"W
Facility Reference Pt			1638329.43	14315291.56	39°25'16.2920"N	81°00'26.6070"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	962.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	962.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot I)	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	339.92°

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 3 of 11



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Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWP
Slot	Slot I		

WELLPATH DATA (221 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
2672.00	16.430	245.300	2603.01	-24.34	-192.14	-454.74	1637641.41	14315142.47	39°25'14.8173"N	81°00'35.3774"W	493.67	247.094	0.87	-0.69	-1.84	
2767.00	17.290	245.550	2693.93	-26.49	-203.60	-479.80	1637616.36	14315131.02	39°25'14.7040"N	81°00'35.6966"W	521.21	247.006	0.91	0.91	0.26	
2861.00	18.190	245.520	2783.46	-28.68	-215.46	-505.87	1637590.30	14315119.16	39°25'14.5868"N	81°00'36.0288"W	549.84	246.930	0.96	0.96	-0.03	
2956.00	17.480	244.220	2873.89	-31.24	-227.81	-532.21	1637563.97	14315106.82	39°25'14.4647"N	81°00'36.3645"W	578.92	246.827	0.86	-0.75	-1.37	
3050.00	16.870	242.370	2963.70	-34.43	-240.28	-557.01	1637539.18	14315094.36	39°25'14.3414"N	81°00'36.6804"W	606.62	246.666	0.87	-0.65	-1.97	
3144.00	17.330	242.650	3053.54	-38.00	-253.04	-581.53	1637514.68	14315081.61	39°25'14.2153"N	81°00'36.9928"W	634.19	246.485	0.50	0.49	0.30	
3238.00	16.520	241.430	3143.47	-41.74	-265.86	-605.70	1637490.51	14315068.79	39°25'14.0886"N	81°00'37.3008"W	661.48	246.302	0.94	-0.86	-1.30	
3290.00	15.650	240.070	3193.43	-44.03	-272.89	-618.27	1637477.95	14315061.76	39°25'14.0190"N	81°00'37.4610"W	675.82	246.184	1.82	-1.67	-2.62	
3360.00	14.830	236.700	3260.97	-47.70	-282.52	-633.94	1637462.28	14315052.13	39°25'13.9238"N	81°00'37.6607"W	694.05	245.979	1.72	-1.17	-4.81	APS EM <8-3/4"> (3290')(3360'-5408')
3426.00	14.940	235.740	3324.76	-51.71	-291.95	-648.03	1637448.20	14315042.71	39°25'13.8306"N	81°00'37.8402"W	710.76	245.748	0.41	0.17	-1.45	
3522.00	16.980	238.200	3417.05	-57.59	-306.31	-670.18	1637426.06	14315028.36	39°25'13.6887"N	81°00'38.1223"W	736.86	245.437	2.24	2.13	2.56	
3616.00	18.270	237.550	3506.64	-63.54	-321.44	-694.28	1637401.97	14315013.22	39°25'13.5391"N	81°00'38.4294"W	765.08	245.156	1.39	1.37	-0.69	
3710.00	18.350	241.910	3595.89	-68.76	-336.32	-719.77	1637376.49	14314998.36	39°25'13.3920"N	81°00'38.7542"W	794.46	244.955	1.46	0.09	4.64	
3805.00	17.730	241.120	3686.21	-73.05	-350.35	-745.63	1637350.64	14314984.33	39°25'13.2534"N	81°00'39.0836"W	823.83	244.833	0.70	-0.65	-0.83	
3899.00	18.080	240.950	3775.66	-77.52	-364.34	-770.91	1637325.37	14314970.34	39°25'13.1150"N	81°00'39.4058"W	852.67	244.704	0.38	0.37	-0.18	
3993.00	17.740	244.010	3865.11	-81.27	-377.70	-796.53	1637299.76	14314956.99	39°25'12.9829"N	81°00'39.7323"W	881.55	244.631	1.06	-0.36	3.26	
4087.00	17.800	250.720	3954.63	-82.54	-388.72	-822.97	1637273.33	14314945.98	39°25'12.8740"N	81°00'40.0691"W	910.16	244.717	2.18	0.06	7.14	
4182.00	17.180	250.890	4045.24	-82.10	-398.11	-849.94	1637246.38	14314936.59	39°25'12.7812"N	81°00'40.4127"W	938.55	244.902	0.65	-0.65	0.18	
4276.00	15.250	249.050	4135.50	-82.05	-407.07	-874.60	1637221.72	14314927.63	39°25'12.6925"N	81°00'40.7270"W	964.69	245.041	2.12	-2.05	-1.96	
4371.00	16.510	245.110	4226.87	-83.37	-417.22	-898.52	1637197.82	14314917.48	39°25'12.5922"N	81°00'41.0317"W	990.66	245.092	1.74	1.33	-4.15	
4465.00	18.450	245.320	4316.53	-85.69	-429.06	-924.15	1637172.19	14314905.65	39°25'12.4752"N	81°00'41.3583"W	1018.89	245.096	2.06	2.06	0.22	
4559.00	19.030	247.710	4405.55	-87.47	-441.08	-951.85	1637144.51	14314893.64	39°25'12.3563"N	81°00'41.7112"W	1049.08	245.137	1.02	0.62	2.54	
4653.00	18.060	245.560	4494.67	-89.17	-452.92	-979.29	1637117.07	14314881.80	39°25'12.2393"N	81°00'42.0609"W	1078.96	245.179	1.26	-1.03	-2.29	
4747.00	18.720	246.910	4583.86	-91.07	-464.87	-1006.43	1637089.94	14314869.86	39°25'12.1212"N	81°00'42.4067"W	1108.61	245.208	0.84	0.70	1.44	
4842.00	17.490	243.000	4674.16	-93.59	-477.33	-1033.18	1637063.21	14314857.40	39°25'11.9980"N	81°00'42.7475"W	1138.11	245.203	1.82	-1.29	-4.12	
4935.00	17.360	244.630	4762.90	-96.55	-489.62	-1058.17	1637038.23	14314845.12	39°25'11.8765"N	81°00'43.0659"W	1165.95	245.170	0.54	-0.14	1.75	
5030.00	19.110	247.180	4853.12	-98.60	-501.72	-1085.31	1637011.10	14314833.02	39°25'11.7568"N	81°00'43.4117"W	1195.67	245.190	2.02	1.84	2.68	
5124.00	18.600	244.390	4942.08	-100.78	-514.17	-1113.01	1636983.41	14314820.58	39°25'11.6337"N	81°00'43.7646"W	1226.04	245.205	1.10	-0.54	-2.97	
5219.00	18.970	240.320	5032.02	-104.82	-528.36	-1140.09	1636956.34	14314806.39	39°25'11.4934"N	81°00'44.1097"W	1256.57	245.135	1.43	0.39	-4.28	
5313.00	18.780	243.960	5120.97	-108.94	-542.57	-1166.96	1636929.48	14314792.19	39°25'11.3530"N	81°00'44.4520"W	1286.93	245.064	1.27	-0.20	3.87	

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 2 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

WELLPATH DATA (221 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	138.630	0.00	0.00	0.00	0.00	1638095.97	14315334.54	39°25'16.7168"N	81°00'29.5831"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	138.630	25.50	0.00	0.00	0.00	1638095.97	14315334.54	39°25'16.7168"N	81°00'29.5831"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.070	138.630	100.00	-0.04	-0.03	0.03	1638096.00	14315334.51	39°25'16.7164"N	81°00'29.5827"W	0.05	138.630	0.09	0.09	0.00	Gyrodata MS Gyro <17-1/2"> (100'-500')
200.00	0.020	185.520	200.00	-0.12	-0.10	0.07	1638096.04	14315334.44	39°25'16.7158"N	81°00'29.5822"W	0.12	144.766	0.06	-0.05	46.89	
300.00	0.120	145.250	300.00	-0.23	-0.20	0.13	1638096.10	14315334.34	39°25'16.7148"N	81°00'29.5815"W	0.24	147.730	0.11	0.10	-40.27	
400.00	0.150	149.690	400.00	-0.46	-0.40	0.25	1638096.22	14315334.14	39°25'16.7128"N	81°00'29.5799"W	0.47	147.723	0.03	0.03	4.44	
500.00	0.190	115.220	500.00	-0.71	-0.58	0.47	1638096.44	14315333.96	39°25'16.7110"N	81°00'29.5771"W	0.75	141.232	0.11	0.04	-34.47	
564.00	0.270	125.870	564.00	-0.91	-0.72	0.69	1638096.66	14315333.82	39°25'16.7097"N	81°00'29.5744"W	0.99	136.235	0.14	0.12	16.64	Gyrodata MS Gyro <12-3/8"> (500')(564')
606.00	0.180	113.420	606.00	-1.04	-0.80	0.83	1638096.80	14315333.74	39°25'16.7089"N	81°00'29.5726"W	1.15	134.076	0.24	-0.21	-29.64	APS EM <12-3/8"> (564')(606'-3290')
699.00	1.180	244.100	699.99	-1.23	-1.27	0.11	1638096.08	14315333.27	39°25'16.7042"N	81°00'29.5817"W	1.28	174.840	1.38	1.05	140.52	
792.00	3.560	244.700	791.91	-1.59	-2.92	-3.34	1638092.63	14315331.63	39°25'16.6880"N	81°00'29.6257"W	4.44	228.904	2.58	2.58	0.65	
885.00	5.760	247.710	884.59	-2.03	-5.92	-10.27	1638085.70	14315328.62	39°25'16.6583"N	81°00'29.7140"W	11.86	240.044	2.38	2.37	3.24	
978.00	8.400	248.950	976.88	-2.33	-10.13	-20.93	1638075.05	14315324.41	39°25'16.6166"N	81°00'29.8498"W	23.25	244.173	2.84	2.84	1.33	
1071.00	11.070	250.910	1068.53	-2.29	-15.49	-35.71	1638060.27	14315319.05	39°25'16.5636"N	81°00'30.0382"W	38.93	246.548	2.89	2.87	2.11	
1165.00	13.390	251.100	1160.39	-1.91	-21.97	-54.54	1638041.45	14315312.58	39°25'16.4996"N	81°00'30.2781"W	58.80	248.059	2.47	2.47	0.20	
1259.00	15.800	251.270	1251.35	-1.38	-29.61	-76.96	1638019.04	14315304.95	39°25'16.4241"N	81°00'30.5637"W	82.46	248.959	2.56	2.56	0.18	
1353.00	17.220	250.590	1341.47	-0.92	-38.34	-102.20	1637993.81	14315296.22	39°25'16.3378"N	81°00'30.8854"W	109.16	249.437	1.52	1.51	-0.72	
1447.00	16.840	250.050	1431.35	-0.73	-47.61	-128.13	1637967.90	14315286.95	39°25'16.2461"N	81°00'31.2157"W	136.69	249.616	0.44	-0.40	-0.57	
1541.00	15.890	248.370	1521.54	-1.04	-57.00	-152.89	1637943.14	14315277.56	39°25'16.1533"N	81°00'31.5312"W	163.17	249.554	1.13	-1.01	-1.79	
1636.00	17.220	247.810	1612.60	-1.91	-67.10	-178.00	1637918.04	14315267.46	39°25'16.0534"N	81°00'31.8512"W	190.23	249.344	1.41	1.40	-0.59	
1730.00	17.330	247.610	1702.36	-2.99	-77.69	-203.83	1637892.23	14315256.88	39°25'15.9487"N	81°00'32.1803"W	218.13	249.135	0.13	0.12	-0.21	
1824.00	17.290	247.140	1792.10	-4.23	-88.45	-229.64	1637866.42	14315246.12	39°25'15.8424"N	81°00'32.5092"W	246.09	248.935	0.15	-0.04	-0.50	
1918.00	17.350	246.270	1881.84	-5.80	-99.52	-255.35	1637840.73	14315235.06	39°25'15.7330"N	81°00'32.8367"W	274.05	248.707	0.28	0.06	-0.93	
2012.00	17.650	246.500	1971.49	-7.54	-110.84	-281.24	1637814.84	14315223.74	39°25'15.6210"N	81°00'33.1667"W	302.30	248.490	0.33	0.32	0.24	
2106.00	17.090	244.310	2061.20	-9.74	-122.51	-306.76	1637789.33	14315212.08	39°25'15.5057"N	81°00'33.4918"W	330.32	248.230	0.92	-0.60	-2.33	
2200.00	16.180	241.800	2151.27	-12.94	-134.69	-330.75	1637765.35	14315199.91	39°25'15.3853"N	81°00'33.7975"W	357.12	247.843	1.23	-0.97	-2.67	
2295.00	16.540	241.340	2242.42	-16.83	-147.43	-354.28	1637741.83	14315187.17	39°25'15.2593"N	81°00'34.0973"W	383.73	247.406	0.40	0.38	-0.48	
2389.00	16.780	245.530	2332.48	-19.87	-159.47	-378.37	1637717.75	14315175.14	39°25'15.1403"N	81°00'34.4043"W	410.60	247.147	1.30	0.26	4.46	
2484.00	17.530	247.990	2423.26	-21.40	-170.51	-404.12	1637692.01	14315164.10	39°25'15.0312"N	81°00'34.7323"W	438.62	247.124	1.10	0.79	2.59	
2578.00	17.080	247.030	2513.00	-22.57	-181.20	-429.95	1637666.19	14315153.41	39°25'14.9255"N	81°00'35.0615"W	466.58	247.147	0.57	-0.48	-1.02	

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Page 4 of 11



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Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

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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
5408.00	17.820	242.860	5211.17	-112.31	-555.92	-1193.63	1636902.82	14314778.85	39°25'11.2210"N	81°00'44.7919"W	1316.74	245.027	1.07	-1.01	-1.16	
5447.00	17.140	243.010	5248.37	-113.74	-561.25	-1204.07	1636892.39	14314773.52	39°25'11.1683"N	81°00'44.9248"W	1328.45	245.009	1.75	-1.74	0.38	BH Lucida <8-1/2"> (5408')(5447'-20011')
5503.00	16.370	242.990	5301.99	-115.68	-568.58	-1218.45	1636878.01	14314766.19	39°25'11.0959"N	81°00'45.1081"W	1344.58	244.984	1.38	-1.38	-0.04	
5598.00	16.300	257.050	5393.19	-115.64	-577.65	-1243.38	1636853.09	14314757.12	39°25'11.0062"N	81°00'45.4257"W	1371.01	245.081	4.15	-0.07	14.80	
5692.00	16.370	281.550	5483.50	-107.05	-577.95	-1269.24	1636827.24	14314756.82	39°25'11.0031"N	81°00'45.7553"W	1394.64	245.518	7.28	0.07	26.06	
5786.00	21.180	300.890	5572.56	-86.88	-566.56	-1296.84	1636799.65	14314768.20	39°25'11.1157"N	81°00'46.1069"W	1415.20	246.400	8.30	5.12	20.57	
5881.00	26.160	315.450	5659.61	-54.44	-542.79	-1326.30	1636770.20	14314791.96	39°25'11.3505"N	81°00'46.4824"W	1433.07	247.743	8.05	5.24	15.33	
5975.00	31.330	319.760	5742.01	-12.60	-509.35	-1356.65	1636739.87	14314825.40	39°25'11.6811"N	81°00'46.8691"W	1449.11	249.422	5.92	5.50	4.59	
6069.00	37.850	323.470	5819.36	38.06	-467.47	-1389.64	1636706.89	14314867.26	39°25'12.0949"N	81°00'47.2896"W	1466.16	251.407	7.29	6.94	3.95	
6109.00†	41.181	325.603	5850.22	62.59	-446.73	-1404.39	1636692.15	14314887.99	39°25'12.2998"N	81°00'47.4776"W	1473.73	252.354	8.99	8.33	5.33	Sycamore: 6109' MD
6163.00	45.730	328.070	5889.41	98.76	-415.64	-1424.67	1636671.87	14314919.07	39°25'12.6072"N	81°00'47.7360"W	1484.06	253.736	8.99	8.42	4.57	
6246.00†	53.855	332.188	5942.96	161.17	-360.67	-1456.08	1636640.47	14314974.01	39°25'13.1504"N	81°00'48.1364"W	1500.09	256.088	10.49	9.79	4.96	Middlesex: 6246' MD
6258.00	55.040	332.710	5949.94	170.85	-352.02	-1460.60	1636635.96	14314982.67	39°25'13.2359"N	81°00'48.1940"W	1502.42	256.450	10.49	9.88	4.35	
6352.00	64.260	334.220	5997.38	251.37	-279.50	-1496.75	1636599.82	14315055.15	39°25'13.9526"N	81°00'48.6548"W	1522.62	259.422	9.91	9.81	1.61	
6408.00†	67.285	336.168	6020.36	302.26	-233.15	-1518.16	1636578.42	14315101.48	39°25'14.4106"N	81°00'48.9277"W	1535.96	261.269	6.26	5.40	3.48	Burkett: 6408' MD
6446.00	69.350	337.440	6034.40	337.51	-200.69	-1532.07	1636564.52	14315133.93	39°25'14.7314"N	81°00'49.1049"W	1545.16	262.537	6.26	5.44	3.35	
6467.00†	70.840	337.946	6041.55	357.24	-182.43	-1539.56	1636557.03	14315152.19	39°25'14.9119"N	81°00'49.2005"W	1550.33	263.242	7.45	7.10	2.41	Marcellus POE: 6467' MD
6540.00	76.030	339.640	6062.36	427.17	-117.21	-1564.85	1636531.75	14315217.37	39°25'15.5564"N	81°00'49.5228"W	1569.23	265.716	7.45	7.11	2.32	
6635.00	82.100	339.130	6080.37	520.40	-29.96	-1597.68	1636498.93	14315304.60	39°25'16.4188"N	81°00'49.9413"W	1597.96	268.926	6.41	6.39	-0.54	
6729.00	90.120	339.400	6086.74	614.10	57.68	-1630.86	1636465.77	14315392.20	39°25'17.2849"N	81°00'50.3642"W	1631.87	272.026	8.54	8.53	0.29	
6823.00	89.480	339.380	6087.07	708.10	145.67	-1663.94	1636432.70	14315480.15	39°25'18.1544"N	81°00'50.7860"W	1670.31	275.003	0.68	-0.68	-0.02	
6917.00	89.540	339.320	6087.88	802.09	233.62	-1697.09	1636399.56	14315568.07	39°25'19.0237"N	81°00'51.2086"W	1713.10	277.838	0.09	0.06	-0.06	
7012.00	90.340	339.780	6087.98	897.08	322.63	-1730.28	1636366.38	14315657.04	39°25'19.9034"N	81°00'51.6317"W	1760.11	280.562	0.97	0.84	0.48	
7106.00	90.150	339.460	6087.57	991.08	410.75	-1763.02	1636333.66	14315745.12	39°25'20.7742"N	81°00'52.0490"W	1810.23	283.115	0.40	-0.20	-0.34	
7200.00	90.250	339.290	6087.25	1085.08	498.72	-1796.13	1636300.56	14315833.06	39°25'21.6437"N	81°00'52.4711"W	1864.08	285.518	0.21	0.11	-0.18	
7295.00	89.660	339.180	6087.32	1180.07	587.55	-1829.81	1636266.90	14315921.86	39°25'22.5216"N	81°00'52.9005"W	1921.83	287.802	0.63	-0.62	-0.12	
7389.00	90.460	339.470	6087.22	1274.06	675.50	-1863.00	1636233.72	14316009.77	39°25'23.3907"N	81°00'53.3236"W	1981.68	289.930	0.91	0.85	0.31	
7483.00	90.460	339.470	6086.47	1368.06	763.53	-1895.96	1636200.77	14316097.76	39°25'24.2607"N	81°00'53.7438"W	2043.93	291.935	0.00	0.00	0.00	
7577.00	90.340	339.390	6085.81	1462.05	851.53	-1928.99	1636167.76	14316185.73	39°25'25.1304"N	81°00'54.1649"W	2108.58	293.819	0.15	-0.13	-0.09	
7672.00	90.060	340.190	6085.48	1557.05	940.68	-1961.81	1636134.95	14316274.84	39°25'26.0115"N	81°00'54.5833"W	2175.68	295.618	0.89	-0.29	0.84	

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'

Page 5 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

WELLPATH DATA (221 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
7766.00	90.400	340.690	6085.10	1651.05	1029.25	-1993.28	1636103.49	14316363.38	39°25'26.8868"N	81°00'54.9845"W	2243.33	297.310	0.64	0.36	0.53	
7860.00	90.280	340.680	6084.54	1745.04	1117.96	-2024.37	1636072.42	14316452.05	39°25'27.7635"N	81°00'55.3808"W	2312.55	298.910	0.13	-0.13	-0.01	
7955.00	90.220	340.600	6084.13	1840.03	1207.59	-2055.86	1636040.94	14316541.64	39°25'28.6493"N	81°00'55.7823"W	2384.29	300.429	0.11	-0.06	-0.08	
8049.00	90.430	340.860	6083.60	1934.02	1296.32	-2086.88	1636009.93	14316630.34	39°25'29.5262"N	81°00'56.1778"W	2456.73	301.848	0.36	0.22	0.28	
8143.00	89.970	340.420	6083.27	2028.01	1385.00	-2118.04	1635978.78	14316718.99	39°25'30.4027"N	81°00'56.5751"W	2530.68	303.181	0.68	-0.49	-0.47	
8237.00	90.340	340.830	6083.01	2122.00	1473.68	-2149.23	1635947.61	14316807.63	39°25'31.2791"N	81°00'56.9727"W	2605.94	304.438	0.59	0.39	0.44	
8332.00	90.460	340.770	6082.35	2216.99	1563.39	-2180.47	1635916.38	14316897.31	39°25'32.1657"N	81°00'57.3710"W	2683.03	305.640	0.14	0.13	-0.06	
8426.00	90.460	340.500	6081.60	2310.98	1652.07	-2211.64	1635885.22	14316985.95	39°25'33.0421"N	81°00'57.7684"W	2760.56	306.759	0.29	0.00	-0.29	
8521.00	90.400	340.750	6080.88	2405.97	1741.69	-2243.15	1635853.72	14317075.53	39°25'33.9278"N	81°00'58.1702"W	2839.93	307.827	0.27	-0.06	0.26	
8615.00	89.880	340.740	6080.65	2499.96	1830.43	-2274.15	1635822.73	14317164.24	39°25'34.8048"N	81°00'58.5654"W	2919.29	308.830	0.55	-0.55	-0.01	
8709.00	90.090	340.640	6080.68	2593.95	1919.14	-2305.23	1635791.66	14317252.91	39°25'35.6815"N	81°00'58.9618"W	2999.54	309.778	0.25	0.22	-0.11	
8804.00	90.460	340.690	6080.22	2688.94	2008.78	-2336.69	1635760.22	14317342.52	39°25'36.5674"N	81°00'59.3628"W	3081.45	310.685	0.39	0.39	0.05	
8897.00	90.550	340.630	6079.40	2781.93	2096.53	-2367.49	1635729.44	14317430.23	39°25'37.4346"N	81°00'59.7555"W	3162.35	311.527	0.12	0.10	-0.06	
8992.00	90.400	340.710	6078.61	2876.91	2186.17	-2398.93	1635698.00	14317519.84	39°25'38.3205"N	81°01'0.1564"W	3245.65	312.343	0.18	-0.16	0.08	
9086.00	90.400	340.660	6077.96	2970.90	2274.88	-2430.02	1635666.93	14317608.51	39°25'39.1972"N	81°01'0.5528"W	3328.68	313.111	0.05	0.00	-0.05	
9180.00	90.430	340.760	6077.28	3064.89	2363.60	-2461.07	1635635.89	14317697.19	39°25'40.0740"N	81°01'0.9487"W	3412.26	313.843	0.11	0.03	0.11	
9273.00	90.400	340.520	6076.60	3157.88	2451.34	-2491.90	1635605.07	14317784.89	39°25'40.9411"N	81°01'1.3418"W	3495.52	314.530	0.26	-0.03	-0.26	
9367.00	90.430	340.540	6075.92	3251.88	2539.96	-2523.23	1635573.75	14317873.48	39°25'41.8170"N	81°01'1.7413"W	3580.24	315.189	0.04	0.03	0.02	
9462.00	90.550	340.600	6075.11	3346.87	2629.55	-2554.83	1635542.16	14317963.03	39°25'42.7023"N	81°01'2.1442"W	3666.29	315.826	0.14	0.13	0.06	
9556.00	90.430	340.690	6074.31	3440.85	2718.23	-2585.99	1635511.02	14318051.68	39°25'43.5788"N	81°01'2.5414"W	3751.82	316.428	0.16	-0.13	0.10	
9650.00	90.220	340.810	6073.77	3534.84	2806.98	-2616.98	1635480.05	14318140.39	39°25'44.4558"N	81°01'2.9366"W	3837.67	317.006	0.26	-0.22	0.13	
9744.00	90.650	340.950	6073.06	3628.83	2895.79	-2647.77	1635449.27	14318229.16	39°25'45.3335"N	81°01'3.3292"W	3923.81	317.562	0.48	0.46	0.15	
9838.00	90.580	340.970	6072.05	3722.81	2984.64	-2678.43	1635418.62	14318317.98	39°25'46.2116"N	81°01'3.7202"W	4010.24	318.095	0.08	-0.07	0.02	
9932.00	90.550	340.620	6071.12	3816.79	3073.40	-2709.35	1635387.71	14318406.71	39°25'47.0889"N	81°01'4.1144"W	4097.12	318.602	0.37	-0.03	-0.37	
10026.00	90.460	340.760	6070.30	3910.78	3162.11	-2740.43	1635356.64	14318495.38	39°25'47.9656"N	81°01'4.5108"W	4184.37	319.086	0.18	-0.10	0.15	
10121.00	90.220	340.840	6069.73	4005.77	3251.83	-2771.67	1635325.41	14318585.06	39°25'48.8522"N	81°01'4.9091"W	4272.77	319.558	0.27	-0.25	0.08	
10215.00	90.060	340.900	6069.50	4099.75	3340.64	-2802.48	1635294.62	14318673.83	39°25'49.7299"N	81°01'5.3019"W	4360.47	320.007	0.18	-0.17	0.06	
10309.00	89.690	340.910	6069.71	4193.74	3429.46	-2833.23	1635263.88	14318762.62	39°25'50.6077"N	81°01'5.6941"W	4448.42	320.438	0.39	-0.39	0.01	
10403.00	90.180	340.910	6069.81	4287.72	3518.29	-2863.97	1635233.15	14318851.42	39°25'51.4856"N	81°01'6.0861"W	4536.60	320.854	0.52	0.52	0.00	
10497.00	90.370	340.780	6069.36	4381.71	3607.09	-2894.81	1635202.32	14318940.18	39°25'52.3632"N	81°01'6.4794"W	4625.04	321.252	0.24	0.20	-0.14	

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'

Page 6 of 11



REFERENCE WELLPATH IDENTIFICATION

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Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

WELLPATH DATA (221 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
10592.00	90.430	340.710	6068.70	4476.70	3696.77	-2926.14	1635171.00	14319029.83	39°25'53.2495"N	81°01'6.8789"W	4714.70	321.637	0.10	0.06	-0.07	
10686.00	90.150	339.550	6068.22	4570.69	3785.17	-2958.09	1635139.07	14319118.19	39°25'54.1231"N	81°01'7.2863"W	4803.94	321.993	1.27	-0.30	-1.23	
10780.00	90.310	339.550	6067.85	4664.69	3873.25	-2990.93	1635106.24	14319206.23	39°25'54.9935"N	81°01'7.7050"W	4893.64	322.325	0.17	0.17	0.00	
10875.00	90.430	339.810	6067.23	4759.69	3962.33	-3023.92	1635073.26	14319295.28	39°25'55.8740"N	81°01'8.1257"W	4984.39	322.650	0.30	0.13	0.27	
10969.00	90.310	339.910	6066.63	4853.69	4050.58	-3056.29	1635040.91	14319383.50	39°25'56.7461"N	81°01'8.5384"W	5074.26	322.964	0.17	-0.13	0.11	
11063.00	90.460	339.460	6065.99	4947.68	4138.73	-3088.92	1635008.29	14319471.61	39°25'57.6173"N	81°01'8.9546"W	5164.35	323.264	0.50	0.16	-0.48	
11157.00	90.060	339.580	6065.57	5041.68	4226.79	-3121.81	1634975.42	14319559.63	39°25'58.4875"N	81°01'9.3739"W	5254.66	323.551	0.44	-0.43	0.13	
11251.00	90.650	340.010	6064.99	5135.68	4315.01	-3154.27	1634942.96	14319647.81	39°25'59.3593"N	81°01'9.7879"W	5344.97	323.833	0.78	0.63	0.46	
11345.00	90.520	339.960	6064.03	5229.67	4403.32	-3186.45	1634910.80	14319736.09	39°26'0.2321"N	81°01'10.1982"W	5435.32	324.109	0.15	-0.14	-0.05	
11440.00	90.550	339.790	6063.14	5324.67	4492.52	-3219.13	1634878.13	14319825.25	39°26'1.1136"N	81°01'10.6150"W	5526.80	324.376	0.18	0.03	-0.18	
11534.00	90.950	339.740	6061.91	5418.66	4580.71	-3251.64	1634845.64	14319913.41	39°26'1.9852"N	81°01'11.0296"W	5617.48	324.631	0.43	0.43	-0.05	
11629.00	90.920	339.770	6060.36	5513.65	4669.83	-3284.51	1634812.78	14320002.49	39°26'2.8659"N	81°01'11.4487"W	5709.23	324.879	0.04	-0.03	0.03	
11723.00	90.890	339.800	6058.87	5607.63	4758.03	-3316.99	1634780.32	14320090.66	39°26'3.7376"N	81°01'11.8629"W	5800.11	325.118	0.05	-0.03	0.03	
11818.00	90.250	339.740	6057.93	5702.63	4847.16	-3349.83	1634747.48	14320179.75	39°26'4.6185"N	81°01'12.2818"W	5892.06	325.352	0.68	-0.67	-0.06	
11911.00	90.280	339.610	6057.50	5795.63	4934.37	-3382.14	1634715.19	14320266.93	39°26'5.4803"N	81°01'12.6937"W	5982.21	325.572	0.14	0.03	-0.14	
12006.00	90.280	339.790	6057.03	5890.63	5023.47	-3415.10	1634682.25	14320355.99	39°26'6.3608"N	81°01'13.1140"W	6074.38	325.791	0.19	0.00	0.19	
12100.00	90.370	339.870	6056.50	5984.62	5111.70	-3447.51	1634649.85	14320444.19	39°26'7.2328"N	81°01'13.5274"W	6165.62	326.003	0.13	0.10	0.09	
12194.00	90.340	339.700	6055.92	6078.62	5199.91	-3479.99	1634617.38	14320532.36	39°26'8.1045"N	81°01'13.9416"W	6256.95	326.208	0.18	-0.03	-0.18	
12288.00	90.430	339.910	6055.29	6172.62	5288.13	-3512.44	1634584.94	14320620.55	39°26'8.9764"N	81°01'14.3554"W	6348.35	326.407	0.24	0.10	0.22	
12383.00	90.340	339.670	6054.65	6267.62	5377.28	-3545.26	1634552.14	14320709.66	39°26'9.8574"N	81°01'14.7739"W	6440.81	326.603	0.27	-0.09	-0.25	
12477.00	90.460	339.870	6053.99	6361.61	5465.48	-3577.76	1634519.65	14320797.82	39°26'10.7291"N	81°01'15.1884"W	6532.37	326.791	0.25	0.13	0.21	
12571.00	90.550	339.920	6053.16	6455.61	5553.75	-3610.07	1634487.35	14320886.06	39°26'11.6014"N	81°01'15.6005"W	6623.95	326.975	0.11	0.10	0.05	
12666.00	90.610	339.800	6052.20	6550.61	5642.93	-3642.78	1634454.66	14320975.21	39°26'12.4828"N	81°01'16.0176"W	6716.59	327.156	0.14	0.06	-0.13	
12760.00	90.680	339.650	6051.14	6644.60	5731.10	-3675.35	1634422.10	14321063.34	39°26'13.3541"N	81°01'16.4330"W	6808.36	327.328	0.18	0.07	-0.16	
12854.00	90.680	339.820	6050.03	6738.59	5819.28	-3707.90	1634389.56	14321151.48	39°26'14.2255"N	81°01'16.8482"W	6900.19	327.496	0.18	0.00	0.18	
12948.00	90.650	339.820	6048.94	6832.59	5907.50	-3740.33	1634357.14	14321239.67	39°26'15.0974"N	81°01'17.2618"W	6992.04	327.660	0.03	-0.03	0.00	
13042.00	90.710	339.940	6047.82	6926.58	5995.76	-3772.66	1634324.82	14321327.89	39°26'15.9696"N	81°01'17.6741"W	7083.93	327.821	0.14	0.06	0.13	
13136.00	90.550	339.560	6046.79	7020.57	6083.95	-3805.19	1634292.30	14321416.04	39°26'16.8411"N	81°01'18.0890"W	7175.92	327.976	0.44	-0.17	-0.40	
13230.00	90.490	339.770	6045.93	7114.57	6172.08	-3837.86	1634259.65	14321504.14	39°26'17.7121"N	81°01'18.5056"W	7268.00	328.126	0.23	-0.06	0.22	
13325.00	90.550	339.690	6045.07	7209.56	6261.20	-3870.77	1634226.76	14321593.22	39°26'18.5928"N	81°01'18.9254"W	7361.08	328.275	0.11	0.06	-0.08	

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 7 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

WELLPATH DATA (221 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
13419.00	90.550	339.670	6044.17	7303.56	6349.34	-3903.41	1634194.13	14321681.33	39°26'19.4639"N	81°01'19.3417"W	7453.24	328.418	0.02	0.00	-0.02	
13514.00	90.310	339.480	6043.46	7398.55	6438.37	-3936.56	1634160.99	14321770.32	39°26'20.3437"N	81°01'19.7645"W	7546.46	328.557	0.32	-0.25	-0.20	
13608.00	90.280	339.580	6042.97	7492.55	6526.43	-3969.44	1634128.13	14321858.35	39°26'21.2140"N	81°01'20.1838"W	7638.76	328.692	0.11	-0.03	0.11	
13702.00	90.340	339.620	6042.46	7586.55	6614.53	-4002.20	1634095.38	14321946.41	39°26'22.0847"N	81°01'20.6017"W	7731.08	328.823	0.08	0.06	0.04	
13797.00	90.340	339.610	6041.90	7681.54	6703.58	-4035.29	1634062.30	14322035.43	39°26'22.9647"N	81°01'21.0237"W	7824.42	328.954	0.01	0.00	-0.01	
13891.00	90.400	339.700	6041.29	7775.54	6791.72	-4067.97	1634029.63	14322123.53	39°26'23.8357"N	81°01'21.4405"W	7916.81	329.080	0.12	0.06	0.10	
13985.00	90.370	339.710	6040.66	7869.54	6879.88	-4100.58	1633997.04	14322211.65	39°26'24.7070"N	81°01'21.8564"W	8009.21	329.204	0.03	-0.03	0.01	
14079.00	90.340	339.740	6040.08	7963.54	6968.05	-4133.15	1633964.48	14322299.79	39°26'25.5784"N	81°01'22.2718"W	8101.65	329.325	0.05	-0.03	0.03	
14174.00	90.310	339.630	6039.54	8058.53	7057.14	-4166.13	1633931.51	14322388.85	39°26'26.4588"N	81°01'22.6925"W	8195.11	329.445	0.12	-0.03	-0.12	
14268.00	90.310	339.890	6039.03	8152.53	7145.34	-4198.65	1633899.01	14322477.00	39°26'27.3304"N	81°01'23.1073"W	8287.61	329.561	0.28	0.00	0.28	
14362.00	90.280	339.880	6038.55	8246.53	7233.60	-4230.98	1633866.69	14322565.23	39°26'28.2027"N	81°01'23.5196"W	8380.10	329.676	0.03	-0.03	-0.01	
14457.00	90.400	339.650	6037.98	8341.53	7322.74	-4263.83	1633833.85	14322654.33	39°26'29.0835"N	81°01'23.9387"W	8473.65	329.789	0.27	0.13	-0.24	
14551.00	90.280	339.750	6037.43	8435.53	7410.90	-4296.45	1633801.25	14322742.46	39°26'29.9548"N	81°01'24.3546"W	8566.26	329.897	0.17	-0.13	0.11	
14645.00	90.370	345.120	6036.89	8529.40	7500.48	-4324.80	1633772.91	14322832.00	39°26'30.8401"N	81°01'24.7164"W	8658.01	330.032	5.71	0.10	5.71	
14739.00	90.280	339.690	6036.36	8623.27	7590.05	-4353.21	1633744.51	14322921.54	39°26'31.7253"N	81°01'25.0787"W	8749.81	330.164	5.78	-0.10	-5.78	
14834.00	90.460	339.940	6035.75	8718.27	7679.21	-4385.99	1633711.75	14323010.66	39°26'32.6064"N	81°01'25.4968"W	8843.48	330.267	0.32	0.19	0.26	
14928.00	90.430	339.940	6035.02	8812.27	7767.51	-4418.23	1633679.52	14323098.92	39°26'33.4790"N	81°01'25.9081"W	8936.16	330.368	0.03	-0.03	0.00	
15022.00	90.120	339.520	6034.57	8906.27	7855.68	-4450.79	1633646.97	14323187.06	39°26'34.3504"N	81°01'26.3235"W	9028.91	330.465	0.56	-0.33	-0.45	
15116.00	90.550	339.770	6034.02	9000.26	7943.81	-4483.49	1633614.28	14323275.16	39°26'35.2213"N	81°01'26.7405"W	9121.72	330.560	0.53	0.46	0.27	
15211.00	90.490	339.610	6033.15	9095.26	8032.90	-4516.46	1633581.32	14323364.21	39°26'36.1018"N	81°01'27.1611"W	9215.53	330.653	0.18	-0.06	-0.17	
15305.00	90.030	339.880	6032.73	9189.26	8121.09	-4549.00	1633548.80	14323452.36	39°26'36.9733"N	81°01'27.5762"W	9308.36	330.745	0.57	-0.49	0.29	
15399.00	90.120	339.720	6032.60	9283.26	8209.31	-4581.46	1633516.35	14323540.55	39°26'37.8451"N	81°01'27.9902"W	9401.20	330.835	0.20	0.10	-0.17	
15493.00	90.090	339.830	6032.43	9377.26	8297.51	-4613.96	1633483.87	14323628.71	39°26'38.7167"N	81°01'28.4048"W	9494.06	330.923	0.12	-0.03	0.12	
15587.00	90.060	339.950	6032.31	9471.26	8385.78	-4646.28	1633451.56	14323716.95	39°26'39.5891"N	81°01'28.8170"W	9586.93	331.011	0.13	-0.03	0.13	
15681.00	91.420	341.300	6031.09	9565.24	8474.44	-4677.46	1633420.39	14323805.58	39°26'40.4653"N	81°01'29.2148"W	9679.61	331.104	2.04	1.45	1.44	
15776.00	90.710	340.240	6029.33	9660.21	8564.13	-4708.74	1633389.12	14323895.22	39°26'41.3516"N	81°01'29.6139"W	9773.25	331.197	1.34	-0.75	-1.12	
15870.00	90.710	339.880	6028.16	9754.20	8652.48	-4740.80	1633357.08	14323983.55	39°26'42.2248"N	81°01'30.0228"W	9866.13	331.281	0.38	0.00	-0.38	
15964.00	90.860	340.020	6026.88	9848.19	8740.78	-4773.02	1633324.87	14324071.80	39°26'43.0973"N	81°01'30.4338"W	9959.06	331.363	0.22	0.16	0.15	
16058.00	90.340	339.830	6025.89	9942.19	8829.06	-4805.28	1633292.62	14324160.05	39°26'43.9698"N	81°01'30.8454"W	10052.02	331.442	0.59	-0.55	-0.20	
16153.00	90.310	339.800	6025.35	10037.19	8918.23	-4838.06	1633259.85	14324249.18	39°26'44.8509"N	81°01'31.2636"W	10146.01	331.521	0.04	-0.03	-0.03	

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WV Department of
Environmental Protection



Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 8 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

WELLPATH DATA (221 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
16247.00	90.090	339.960	6025.02	10131.18	9006.49	-4870.40	1633227.53	14324337.41	39°26'45.7232"N	81°01'31.6760"W	10239.02	331.597	0.29	-0.23	0.17	
16341.00	90.120	339.850	6024.85	10225.18	9094.77	-4902.69	1633195.25	14324425.65	39°26'46.5956"N	81°01'32.0880"W	10332.05	331.672	0.12	0.03	-0.12	
16435.00	90.120	339.770	6024.66	10319.18	9182.99	-4935.14	1633162.82	14324513.84	39°26'47.4675"N	81°01'32.5019"W	10425.11	331.745	0.09	0.00	-0.09	
16529.00	90.180	339.870	6024.41	10413.18	9271.22	-4967.56	1633130.40	14324602.03	39°26'48.3394"N	81°01'32.9156"W	10518.18	331.817	0.12	0.06	0.11	
16623.00	90.180	339.810	6024.11	10507.18	9359.46	-4999.96	1633098.02	14324690.24	39°26'49.2114"N	81°01'33.3288"W	10611.27	331.888	0.06	0.00	-0.06	
16717.00	89.940	339.970	6024.02	10601.18	9447.73	-5032.28	1633065.71	14324778.47	39°26'50.0837"N	81°01'33.7411"W	10704.36	331.958	0.31	-0.26	0.17	
16811.00	89.970	339.990	6024.09	10695.18	9536.05	-5064.46	1633033.55	14324866.76	39°26'50.9565"N	81°01'34.1517"W	10797.45	332.028	0.04	0.03	0.02	
16905.00	90.250	340.030	6023.91	10789.18	9624.39	-5096.59	1633001.42	14324955.06	39°26'51.8295"N	81°01'34.5616"W	10890.55	332.097	0.30	0.30	0.04	
16999.00	90.340	339.950	6023.43	10883.18	9712.71	-5128.76	1632969.27	14325043.35	39°26'52.7024"N	81°01'34.9720"W	10983.67	332.164	0.13	0.10	-0.09	
17094.00	90.370	340.110	6022.84	10978.18	9802.00	-5161.20	1632936.84	14325132.60	39°26'53.5847"N	81°01'35.3859"W	11077.78	332.231	0.17	0.03	0.17	
17188.00	90.280	339.720	6022.30	11072.18	9890.28	-5193.48	1632904.57	14325220.84	39°26'54.4572"N	81°01'35.7977"W	11170.94	332.296	0.43	-0.10	-0.41	
17282.00	90.280	339.860	6021.84	11166.18	9978.49	-5225.96	1632872.11	14325309.02	39°26'55.3289"N	81°01'36.2120"W	11264.14	332.358	0.15	0.00	0.15	
17376.00	90.250	339.860	6021.41	11260.17	10066.74	-5258.32	1632839.76	14325397.23	39°26'56.2010"N	81°01'36.6249"W	11357.34	332.420	0.03	-0.03	0.00	
17471.00	90.430	339.800	6020.85	11355.17	10155.91	-5291.08	1632807.02	14325486.37	39°26'57.0823"N	81°01'37.0428"W	11451.55	332.481	0.20	0.19	-0.06	
17565.00	90.150	340.140	6020.37	11449.17	10244.23	-5323.27	1632774.84	14325574.65	39°26'57.9550"N	81°01'37.4535"W	11544.76	332.542	0.47	-0.30	0.36	
17659.00	90.280	340.030	6020.02	11543.17	10332.60	-5355.29	1632742.83	14325662.99	39°26'58.8284"N	81°01'37.8620"W	11637.95	332.603	0.18	0.14	-0.12	
17754.00	90.610	339.900	6019.28	11638.17	10421.85	-5387.84	1632710.30	14325752.20	39°26'59.7104"N	81°01'38.2773"W	11732.17	332.662	0.37	0.35	-0.14	
17942.00	90.490	339.600	6017.47	11826.16	10598.22	-5452.91	1632645.26	14325928.50	39°27'1.4533"N	81°01'39.1074"W	11918.75	332.774	0.17	-0.06	-0.16	
18036.00	90.280	340.130	6016.84	11920.15	10686.48	-5485.26	1632612.91	14326016.72	39°27'2.3255"N	81°01'39.5202"W	12012.03	332.829	0.61	-0.22	0.56	
18130.00	90.400	339.910	6016.29	12014.15	10774.82	-5517.38	1632580.81	14326105.03	39°27'3.1985"N	81°01'39.9300"W	12105.29	332.885	0.27	0.13	-0.23	
18225.00	90.520	339.920	6015.52	12109.15	10864.04	-5550.00	1632548.20	14326194.21	39°27'4.0802"N	81°01'40.3462"W	12199.58	332.939	0.13	0.13	0.01	
18319.00	90.180	339.810	6014.95	12203.15	10952.29	-5582.36	1632515.85	14326282.43	39°27'4.9523"N	81°01'40.7591"W	12292.90	332.992	0.38	-0.36	-0.12	
18413.00	90.490	339.820	6014.40	12297.15	11040.51	-5614.80	1632483.43	14326370.62	39°27'5.8242"N	81°01'41.1729"W	12386.24	333.044	0.33	0.33	0.01	
18507.00	90.520	339.750	6013.57	12391.14	11128.72	-5647.28	1632450.96	14326458.79	39°27'6.6959"N	81°01'41.5873"W	12479.59	333.094	0.08	0.03	-0.07	
18601.00	90.490	339.470	6012.74	12485.14	11216.83	-5680.02	1632418.23	14326546.86	39°27'7.5666"N	81°01'42.0051"W	12572.98	333.143	0.30	-0.03	-0.30	
18696.00	90.090	339.520	6012.26	12580.13	11305.81	-5713.30	1632384.97	14326635.80	39°27'8.4459"N	81°01'42.4297"W	12667.40	333.191	0.42	-0.42	0.05	
18790.00	90.000	339.630	6012.19	12674.13	11393.90	-5746.11	1632352.17	14326723.86	39°27'9.3164"N	81°01'42.8482"W	12760.82	333.238	0.15	-0.10	0.12	
18883.00	89.820	339.860	6012.33	12767.13	11481.15	-5778.30	1632319.99	14326811.07	39°27'10.1787"N	81°01'43.2590"W	12853.23	333.285	0.31	-0.19	0.25	
18977.00	89.780	340.040	6012.66	12861.13	11569.45	-5810.53	1632287.78	14326899.34	39°27'11.0513"N	81°01'43.6702"W	12946.60	333.333	0.20	-0.04	0.19	
19072.00	91.510	340.050	6011.59	12956.12	11658.74	-5842.95	1632255.37	14326988.59	39°27'11.9337"N	81°01'44.0839"W	13040.94	333.382	1.82	1.82	0.01	

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 9 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

WELLPATH DATA (221 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
19166.00	91.140	340.130	6009.42	13050.09	11747.09	-5874.95	1632223.38	14327076.91	39°27'12.8068"N	81°01'44.4922"W	13134.28	333.429	0.40	-0.39	0.09	
19260.00	91.660	340.160	6007.12	13144.07	11835.48	-5906.87	1632191.48	14327165.26	39°27'13.6803"N	81°01'44.8994"W	13227.61	333.477	0.55	0.55	0.03	
19354.00	92.090	339.910	6004.05	13238.01	11923.78	-5938.95	1632159.41	14327253.53	39°27'14.5529"N	81°01'45.3088"W	13320.95	333.523	0.53	0.46	-0.27	
19448.00	92.610	340.110	6000.19	13331.93	12012.04	-5971.05	1632127.32	14327341.76	39°27'15.4251"N	81°01'45.7184"W	13414.27	333.569	0.59	0.55	0.21	
19542.00	92.430	340.150	5996.06	13425.84	12100.36	-6002.97	1632095.41	14327430.04	39°27'16.2979"N	81°01'46.1257"W	13507.57	333.614	0.20	-0.19	0.04	
19636.00	91.810	340.090	5992.58	13519.78	12188.70	-6034.91	1632063.48	14327518.34	39°27'17.1709"N	81°01'46.5333"W	13600.90	333.659	0.66	-0.66	-0.06	
19730.00	92.000	340.280	5989.46	13613.72	12277.09	-6066.76	1632031.65	14327606.69	39°27'18.0444"N	81°01'46.9397"W	13694.25	333.704	0.29	0.20	0.20	
19824.00	90.460	339.110	5987.44	13707.70	12365.22	-6099.37	1631999.05	14327694.79	39°27'18.9153"N	81°01'47.3558"W	13787.71	333.744	2.06	-1.64	-1.24	
19918.00	89.820	339.240	5987.21	13801.69	12453.08	-6132.79	1631965.65	14327782.61	39°27'19.7835"N	81°01'47.7822"W	13881.29	333.781	0.69	-0.68	0.14	
20011.00	89.970	339.960	5987.38	13894.69	12540.24	-6165.21	1631933.24	14327869.74	39°27'20.6449"N	81°01'48.1958"W	13973.82	333.820	0.79	0.16	0.77	
20076.00†	89.970	339.960	5987.41	13959.69	12601.31	-6187.48	1631910.98	14327930.78	39°27'21.2484"N	81°01'48.4801"W	14038.44	333.848	0.00	0.00	0.00	Projected MD at TD: 20076'

HOLE & CASING SECTIONS - Ref Wellbore: Burch Unit 1H AWB Ref Wellpath: Burch Unit 1H AWP Proj: 20076'

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	125.50	100.00	25.50	125.50	0.00	0.00	-0.06	0.05
17.5in Open Hole	125.50	501.00	375.50	125.50	501.00	-0.06	0.05	-0.58	0.47
13.375in Casing Surface	25.50	481.00	455.50	25.50	481.00	0.00	0.00	-0.56	0.41
12.375in Open Hole	501.00	3362.00	2861.00	501.00	3262.91	-0.58	0.47	-282.81	-634.37
9.625in Casing Intermediate	25.50	3332.00	3306.50	25.50	3233.93	0.00	0.00	-278.62	-627.84
8.75in Open Hole	3362.00	5483.00	2121.00	3262.91	5282.81	-282.81	-634.37	-566.00	-1213.39
8.5in Open Hole	5483.00	20076.00	14593.00	5282.81	5987.41	-566.00	-1213.39	12601.31	-6187.48
5.5in Casing Production	25.50	20056.00	20030.50	25.50	5987.40	0.00	0.00	12582.52	-6180.63

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'
Page 10 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Burch Unit 1H BHL Rev-3	5973.15	14834.54	-7018.11	1631080.68	14330163.12	39°27'43.3175"N	81°01'59.0800"W	point
Burch Unit 1H POE Rev-3	6038.00	-182.92	-1528.35	1636568.23	14315151.69	39°25'14.9070"N	81°00'49.0577"W	point
Burch Unit 1H LP Rev-3	6083.00	56.49	-1615.87	1636480.75	14315391.01	39°25'17.2732"N	81°00'50.1733"W	point
Burch Unit 1H 50' L/R Hard Line	6500.00	7325.81	-4273.23	1633824.45	14322657.41	39°26'29.1139"N	81°01'24.0585"W	rectangle
2D Rectangle 15989.4 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Burch Unit 1H AWB Ref Wellpath: Burch Unit 1H AWP Proj: 20076'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	500.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-500')	Burch Unit 1H AWB	10/17/2024
500.00	564.00	Gyrodata 2015 - GC+WIR+DPIPE	02 Gyrodata MS Gyro <12-3/8"> (500')(564')	Burch Unit 1H AWB	10/18/2024
564.00	3290.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <12-3/8"> (564')(606'-3290')	Burch Unit 1H AWB	10/17/2024
3290.00	5408.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04 APS EM <8-3/4"> (3290')(3360'-5408')	Burch Unit 1H AWB	10/30/2024
5408.00	20076.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05 BH Lucida <8-1/2"> (5408')(5447'-20011')	Burch Unit 1H AWB	10/30/2024

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Actual Wellpath Report

Burch Unit 1H AWP Proj: 20076'

Page 11 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Burch Unit 1H
Field	Tyler	API	47-095-02893-0000
Facility	Wrigley Pad	Wellbore	Burch Unit 1H AWB
Slot	Slot I		

COMMENTS

Wellpath general comments

API: 47-095-02893-0000

BH Job #: 112439001

Rig: H&P 317

Duration: 11/3/2024-11/7/2024

Gyrodata MS Gyro <17-1/2"> (100'-500')

Gyrodata MS Gyro <12-3/8"> (500')(564')

APS EM <12-3/8"> (564')(606'-3290')

APS EM <8-3/4"> (3290')(3360'-5408')

BH Lucida <8-1/2"> (5408')(5447'-20011')

Sycamore: 6109' MD

Middlesex: 6246' MD

Burkett: 6408' MD

Marcellus POE: 6467' MD

Projected MD at TD: 20076'

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