



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H 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	0.999601	Report Generated	24/Feb/2022 at 21:00
Convergence at slot	0.08° 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	29.95	-0.12	1675735.05	14223748.02	39°10'10.8990"N	80°52'31.3870"W
Facility Reference Pt			1675735.17	14223718.08	39°10'10.6030"N	80°52'31.3860"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 531 (RKB) to Facility Vertical Datum	1155.00ft
Horizontal Reference Pt	Slot	H&P 531 (RKB) to Mean Sea Level	1155.00ft
Vertical Reference Pt	H&P 531 (RKB)	H&P 531 (RKB) to Ground Level at Slot (Slot C)	30.00ft
MD Reference Pt	H&P 531 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.20°



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WELLPATH DATA (224 stations) † = interpolated, ‡ = extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
0.00†	0.000	235.580	0.00	0.00	0.00	0.00	1675735.05	14223748.02	39°10'10.8990"N	80°52'31.3870"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	235.580	30.00	0.00	0.00	0.00	1675735.05	14223748.02	39°10'10.8990"N	80°52'31.3870"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.250	235.580	100.00	0.04	-0.09	-0.13	1675734.92	14223747.93	39°10'10.8982"N	80°52'31.3886"W	0.15	236.680	0.36	0.36	0.00	Gyrodata MS Gyro <17-1/2"> (100'-500')
200.00	0.230	204.600	200.00	0.25	-0.39	-0.39	1675734.66	14223747.63	39°10'10.8952"N	80°52'31.3919"W	0.55	224.807	0.13	-0.02	-30.98	
300.00	0.310	201.210	300.00	0.60	-0.83	-0.57	1675734.48	14223747.19	39°10'10.8909"N	80°52'31.3942"W	1.00	214.625	0.08	0.08	-3.39	
400.00	0.250	184.970	400.00	1.01	-1.30	-0.69	1675734.36	14223746.72	39°10'10.8862"N	80°52'31.3957"W	1.47	207.945	0.10	-0.06	-16.24	
500.00	0.290	194.850	500.00	1.42	-1.76	-0.77	1675734.28	14223746.26	39°10'10.8817"N	80°52'31.3968"W	1.92	203.689	0.06	0.04	9.88	
600.00	0.110	238.540	599.99	1.65	-2.05	-0.92	1675734.13	14223745.97	39°10'10.8788"N	80°52'31.3987"W	2.25	204.096	0.22	-0.18	43.69	Gyrodata MS Gyro <12-1/4"> (500')(600'-656')
656.00	0.230	226.870	655.99	1.71	-2.16	-1.05	1675734.00	14223745.86	39°10'10.8777"N	80°52'31.4003"W	2.40	205.862	0.22	0.21	-20.84	
689.00	0.190	239.380	688.99	1.74	-2.23	-1.14	1675733.91	14223745.79	39°10'10.8770"N	80°52'31.4015"W	2.51	207.096	0.18	-0.12	37.91	APS EM <12-1/4"> (656')(689'-2565')
780.00	0.220	215.030	779.99	1.88	-2.45	-1.37	1675733.68	14223745.57	39°10'10.8748"N	80°52'31.4044"W	2.81	209.232	0.10	0.03	-26.76	
870.00	1.180	341.050	869.99	1.05	-1.72	-1.77	1675733.28	14223746.30	39°10'10.8821"N	80°52'31.4095"W	2.47	225.916	1.47	1.07	140.02	
960.00	3.140	351.120	959.92	-2.30	1.60	-2.45	1675732.60	14223749.62	39°10'10.9149"N	80°52'31.4181"W	2.93	303.049	2.21	2.18	11.19	
1050.00	5.110	343.370	1049.68	-8.74	7.87	-3.98	1675731.07	14223755.89	39°10'10.9769"N	80°52'31.4374"W	8.82	333.175	2.27	2.19	-8.61	
1145.00	7.190	334.080	1144.13	-18.86	17.27	-7.79	1675727.26	14223765.29	39°10'11.0699"N	80°52'31.4858"W	18.95	335.724	2.42	2.19	-9.78	
1240.00	8.670	328.260	1238.22	-31.74	28.71	-14.16	1675720.90	14223776.72	39°10'11.1830"N	80°52'31.5662"W	32.01	333.754	1.77	1.56	-6.13	
1335.00	10.030	324.900	1331.96	-46.66	41.57	-22.68	1675712.38	14223789.57	39°10'11.3102"N	80°52'31.6742"W	47.36	331.383	1.54	1.43	-3.54	
1430.00	11.440	318.450	1425.30	-63.29	55.39	-33.69	1675701.38	14223803.39	39°10'11.4470"N	80°52'31.8137"W	64.83	328.693	1.95	1.48	-6.79	
1524.00	13.040	319.670	1517.16	-81.75	70.45	-46.73	1675688.33	14223818.44	39°10'11.5960"N	80°52'31.9791"W	84.54	326.442	1.72	1.70	1.30	
1619.00	14.720	322.240	1609.38	-103.14	88.17	-61.08	1675674.01	14223836.15	39°10'11.7713"N	80°52'32.1607"W	107.25	325.294	1.88	1.77	2.71	
1714.00	16.080	321.860	1700.97	-126.97	108.06	-76.58	1675658.50	14223856.03	39°10'11.9681"N	80°52'32.3574"W	132.44	324.675	1.44	1.43	-0.40	
1808.00	15.600	318.860	1791.40	-150.95	127.81	-92.94	1675642.15	14223875.78	39°10'12.1636"N	80°52'32.5647"W	158.03	323.979	1.01	-0.51	-3.19	
1903.00	15.240	319.410	1882.98	-174.35	146.92	-109.46	1675625.63	14223894.88	39°10'12.3526"N	80°52'32.7742"W	183.21	323.311	0.41	-0.38	0.58	
1998.00	14.570	318.510	1974.78	-196.97	165.35	-125.50	1675609.60	14223913.30	39°10'12.5350"N	80°52'32.9776"W	207.58	322.801	0.75	-0.71	-0.95	
2092.00	16.390	313.020	2065.38	-219.57	183.26	-143.04	1675592.07	14223931.20	39°10'12.7123"N	80°52'33.1999"W	232.47	322.027	2.48	1.94	-5.84	
2187.00	16.920	312.450	2156.39	-243.51	201.73	-163.04	1675572.08	14223949.67	39°10'12.8952"N	80°52'33.4535"W	259.38	321.056	0.58	0.56	-0.60	
2281.00	16.470	310.900	2246.43	-267.01	219.69	-183.20	1675551.92	14223967.62	39°10'13.0729"N	80°52'33.7092"W	286.05	320.175	0.67	-0.48	-1.65	
2376.00	15.680	309.020	2337.71	-289.50	236.59	-203.35	1675531.78	14223984.51	39°10'13.2402"N	80°52'33.9648"W	311.97	319.320	1.00	-0.83	-1.98	
2471.00	15.510	307.320	2429.22	-310.91	252.37	-223.43	1675511.71	14224000.29	39°10'13.3965"N	80°52'34.2194"W	337.06	318.481	0.51	-0.18	-1.79	
2565.00	15.050	308.070	2519.89	-331.57	267.52	-243.03	1675492.12	14224015.43	39°10'13.5465"N	80°52'34.4681"W	361.43	317.746	0.53	-0.49	0.80	



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Slot	Slot C		

WELLPATH DATA (224 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
(m)	(°)	(°)	(m)	(m)	(m)	(m)	(US m)	(US m)			(m)	(°)	(°/100m)	(°/100m)	(°/100m)	
2662.00	14.330	305.760	2613.72	-351.89	282.30	-262.69	1675472.47	14224030.20	39°10'13.6928"N	80°52'34.7174"W	385.61	317.061	0.96	-0.74	-2.38	APS EM <8-3/4"> (2565')(2662'-578')
2757.00	15.580	309.760	2705.51	-372.36	297.33	-282.04	1675453.13	14224045.23	39°10'13.8416"N	80°52'34.9628"W	409.82	316.512	1.71	1.32	4.21	
2852.00	16.770	314.910	2796.75	-395.53	315.17	-301.55	1675433.62	14224063.06	39°10'14.0182"N	80°52'35.2103"W	436.19	316.265	1.96	1.25	5.42	
2946.00	17.290	310.220	2886.63	-419.67	333.76	-321.82	1675413.36	14224081.65	39°10'14.2023"N	80°52'35.4673"W	463.64	316.043	1.56	0.55	-4.99	
3044.00	18.350	304.380	2979.94	-444.50	351.88	-345.68	1675389.51	14224099.76	39°10'14.3816"N	80°52'35.7699"W	493.26	315.509	2.12	1.08	-5.96	
3139.00	18.010	309.610	3070.20	-468.99	369.69	-369.33	1675365.86	14224117.56	39°10'14.5580"N	80°52'36.0700"W	522.57	315.027	1.75	-0.36	5.51	
3233.00	16.730	320.770	3159.94	-494.05	389.44	-389.09	1675346.11	14224137.30	39°10'14.7535"N	80°52'36.3205"W	550.50	315.025	3.79	-1.36	11.87	
3328.00	16.730	318.080	3250.92	-519.44	410.20	-406.88	1675328.34	14224158.06	39°10'14.9590"N	80°52'36.5459"W	577.77	315.233	0.82	0.00	-2.83	
3422.00	17.450	316.380	3340.77	-544.68	430.47	-425.64	1675309.58	14224178.32	39°10'15.1596"N	80°52'36.7838"W	605.37	315.324	0.93	0.77	-1.81	
3517.00	17.570	313.210	3431.37	-570.27	450.60	-445.92	1675289.31	14224198.44	39°10'15.3588"N	80°52'37.0409"W	633.94	315.300	1.01	0.13	-3.34	
3611.00	18.260	309.550	3520.81	-595.33	469.70	-467.61	1675267.62	14224217.53	39°10'15.5478"N	80°52'37.3161"W	662.78	315.127	1.40	0.73	-3.89	
3706.00	16.580	309.440	3611.45	-619.53	487.78	-489.56	1675245.69	14224235.61	39°10'15.7269"N	80°52'37.5944"W	691.09	314.896	1.77	-1.77	-0.12	
3800.00	13.870	313.040	3702.14	-640.87	504.00	-508.15	1675227.10	14224251.82	39°10'15.8874"N	80°52'37.8303"W	715.71	314.765	3.05	-2.88	3.83	
3894.00	13.960	309.470	3793.39	-660.45	518.89	-525.14	1675210.12	14224266.71	39°10'16.0348"N	80°52'38.0457"W	738.26	314.667	0.92	0.10	-3.80	
3989.00	14.840	314.150	3885.40	-681.03	534.65	-542.72	1675192.55	14224282.46	39°10'16.1908"N	80°52'38.2686"W	761.84	314.571	1.54	0.93	4.93	
4083.00	15.480	319.590	3976.14	-703.41	552.59	-559.49	1675175.79	14224300.39	39°10'16.3684"N	80°52'38.4812"W	786.37	314.645	1.66	0.68	5.79	
4177.00	15.040	315.580	4066.83	-726.07	570.85	-576.16	1675159.12	14224318.65	39°10'16.5491"N	80°52'38.6925"W	811.07	314.735	1.22	-0.47	-4.27	
4271.00	14.440	309.700	4157.74	-747.07	587.05	-593.71	1675141.58	14224334.84	39°10'16.7094"N	80°52'38.9152"W	834.94	314.677	1.71	-0.64	-6.26	
4366.00	15.330	313.840	4249.55	-768.32	603.32	-611.88	1675123.41	14224351.10	39°10'16.8704"N	80°52'39.1456"W	859.30	314.596	1.46	0.94	4.36	
4460.00	15.970	316.770	4340.07	-791.13	621.35	-629.70	1675105.60	14224369.12	39°10'17.0489"N	80°52'39.3716"W	884.65	314.617	1.08	0.68	3.12	
4555.00	15.260	312.740	4431.56	-814.02	639.35	-647.84	1675087.47	14224387.12	39°10'17.2271"N	80°52'39.6015"W	910.20	314.622	1.36	-0.75	-4.24	
4649.00	14.940	309.830	4522.32	-835.24	655.51	-666.23	1675069.09	14224403.27	39°10'17.3870"N	80°52'39.8348"W	934.64	314.535	0.88	-0.34	-3.10	
4744.00	15.410	312.720	4614.01	-856.79	671.92	-684.91	1675050.42	14224419.67	39°10'17.5494"N	80°52'40.0716"W	959.46	314.452	0.94	0.49	3.04	
4838.00	15.310	314.210	4704.65	-878.83	689.04	-702.98	1675032.35	14224436.79	39°10'17.7190"N	80°52'40.3008"W	984.36	314.427	0.43	-0.11	1.59	
4933.00	14.600	310.410	4796.43	-900.29	705.55	-721.08	1675014.25	14224453.29	39°10'17.8824"N	80°52'40.5304"W	1008.84	314.376	1.27	-0.75	-4.00	
5028.00	13.320	311.370	4888.63	-920.07	720.55	-738.41	1674996.93	14224468.28	39°10'18.0308"N	80°52'40.7502"W	1031.72	314.298	1.37	-1.35	1.01	
5122.00	13.130	324.640	4980.15	-939.70	736.41	-752.72	1674982.63	14224484.14	39°10'18.1878"N	80°52'40.9316"W	1053.04	314.373	3.23	-0.20	14.12	
5217.00	13.380	329.840	5072.63	-960.82	754.72	-764.49	1674970.87	14224502.44	39°10'18.3689"N	80°52'41.0807"W	1074.27	314.631	1.28	0.26	5.47	
5311.00	13.330	324.180	5164.09	-981.85	772.91	-776.30	1674959.06	14224520.62	39°10'18.5489"N	80°52'41.2303"W	1095.46	314.875	1.39	-0.05	-6.02	
5409.00	14.420	325.450	5259.23	-1004.40	792.12	-789.83	1674945.54	14224539.82	39°10'18.7389"N	80°52'41.4018"W	1118.61	315.083	1.15	1.11	1.30	



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(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)	(°)	(°)	(ft)	(°)	("/100ft)	("/100ft)	("/100ft)	
5504.00	14.850	321.080	5351.15	-1027.21	811.34	-804.19	1674931.19	14224559.03	39°10'18.9290"N	80°52'41.5838"W	1142.36	315.254	1.25	0.45	-4.60	
5598.00	14.310	316.310	5442.12	-1049.06	829.11	-819.78	1674915.60	14224576.80	39°10'19.1049"N	80°52'41.7814"W	1165.96	315.324	1.40	-0.57	-5.07	
5693.00	13.520	311.580	5534.34	-1069.37	844.97	-836.20	1674899.19	14224592.65	39°10'19.2619"N	80°52'41.9896"W	1188.78	315.299	1.46	-0.83	-4.98	
6787.00	11.820	306.870	5626.05	-1086.87	858.04	-852.12	1674883.27	14224605.72	39°10'19.3913"N	80°52'42.1916"W	1209.27	315.198	2.11	-1.81	-5.01	
5883.00	10.920	300.880	5720.17	-1101.92	868.61	-867.79	1674867.61	14224616.28	39°10'19.4959"N	80°52'42.3904"W	1227.82	315.027	1.55	-0.94	-6.24	BH AT Curve <8-1/2"> (5787')(5883'-20611')
5977.00	12.780	277.380	5812.21	-1113.31	874.52	-885.75	1674849.65	14224622.18	39°10'19.5546"N	80°52'42.6184"W	1244.72	314.634	5.46	1.98	-25.00	
6072.00	13.990	245.800	5904.75	-1116.87	871.15	-906.68	1674828.74	14224618.82	39°10'19.5216"N	80°52'42.8841"W	1257.37	313.855	7.70	1.27	-33.24	
6166.00	14.590	201.110	5996.11	-1106.69	855.40	-921.35	1674814.07	14224603.08	39°10'19.3661"N	80°52'43.0706"W	1257.22	312.874	11.47	0.64	-47.54	
6261.00	18.680	177.580	6087.22	-1082.88	829.00	-925.02	1674810.40	14224576.69	39°10'19.1052"N	80°52'43.1177"W	1242.14	311.867	8.21	4.31	-24.77	
6355.00	25.190	173.230	6174.37	-1048.83	794.06	-922.02	1674813.40	14224541.76	39°10'18.7598"N	80°52'43.0803"W	1216.82	310.735	7.13	6.93	-4.63	
6401.00†	28.579	173.500	6215.40	-1028.50	773.40	-919.82	1674815.80	14224521.11	39°10'18.5556"N	80°52'43.0501"W	1201.60	310.064	7.37	7.37	0.59	Sycamore: 6401' MD
6450.00	32.190	173.730	6257.66	-1004.30	748.77	-916.87	1674818.55	14224496.49	39°10'18.3121"N	80°52'43.0156"W	1183.77	309.237	7.37	7.37	0.47	
6544.00	40.670	171.130	6333.23	-949.58	693.51	-909.40	1674826.02	14224441.26	39°10'17.7659"N	80°52'42.9217"W	1143.66	307.329	9.17	9.02	-2.77	
6622.00†	48.398	168.238	6388.79	-895.52	639.76	-899.52	1674835.89	14224387.53	39°10'17.2345"N	80°52'42.7971"W	1103.83	305.422	10.24	9.91	-3.71	Middlesex: 6622' MD
6640.00	50.190	167.670	6400.53	-881.97	626.42	-896.67	1674838.74	14224374.19	39°10'17.1026"N	80°52'42.7612"W	1093.81	304.938	10.24	9.96	-3.15	
6733.00	60.310	166.220	6453.47	-806.03	552.10	-879.37	1674858.03	14224299.89	39°10'16.3677"N	80°52'42.5429"W	1038.32	302.122	10.96	10.88	-1.56	
6828.00	68.580	163.110	6494.43	-720.57	469.55	-856.65	1674878.74	14224217.38	39°10'15.5515"N	80°52'42.2558"W	976.90	298.728	9.19	8.71	-3.27	
6836.00†	68.525	162.968	6497.35	-713.13	462.43	-854.48	1674880.91	14224210.26	39°10'15.4811"N	80°52'42.2283"W	971.59	298.421	1.79	-0.69	-1.77	Burkett: 6836' MD
6922.00	67.940	161.440	6529.24	-633.27	386.38	-830.08	1674905.31	14224134.25	39°10'14.7292"N	80°52'41.9197"W	915.60	294.961	1.79	-0.68	-1.78	
6930.00†	68.714	161.409	6532.20	-625.84	379.33	-827.71	1674907.67	14224127.20	39°10'14.6595"N	80°52'41.8898"W	910.49	294.622	9.68	9.67	-0.39	Tully: 6930' MD
6989.00†	74.421	161.190	6550.85	-569.89	326.34	-809.77	1674925.61	14224074.23	39°10'14.1354"N	80°52'41.6629"W	873.05	291.950	9.68	9.67	-0.37	Marcellus POE: 6989' MD
7017.00	77.130	161.090	6557.73	-542.75	300.66	-800.99	1674934.38	14224048.56	39°10'13.8815"N	80°52'41.5519"W	855.56	290.574	9.68	9.67	-0.36	
7111.00	85.500	161.220	6571.91	-449.91	212.79	-771.01	1674964.35	14223960.73	39°10'13.0126"N	80°52'41.1727"W	799.83	285.429	8.91	8.90	0.14	
7206.00	90.770	160.580	6575.00	-355.00	123.10	-739.95	1674995.40	14223871.07	39°10'12.1257"N	80°52'40.7799"W	750.12	279.446	5.59	5.55	-0.67	
7300.00	90.740	161.170	6573.76	-261.01	34.30	-709.15	1675026.18	14223782.31	39°10'11.2476"N	80°52'40.3904"W	709.98	272.769	0.63	-0.03	0.63	
7395.00	90.460	160.860	6572.76	-166.01	-55.53	-678.25	1675057.07	14223692.52	39°10'10.3593"N	80°52'39.9996"W	680.52	265.320	0.44	-0.29	-0.33	
7489.00	90.460	160.900	6572.01	-72.02	-144.34	-647.46	1675087.85	14223603.74	39°10'9.4811"N	80°52'39.6102"W	663.36	257.433	0.04	0.00	0.04	
7584.00	91.080	160.030	6570.73	22.97	-233.86	-615.70	1675119.60	14223514.25	39°10'8.5959"N	80°52'39.2084"W	658.62	249.202	1.12	0.65	-0.92	
7678.00	90.950	161.330	6569.07	116.95	-322.55	-584.61	1675150.68	14223425.60	39°10'7.7188"N	80°52'38.8151"W	667.68	241.113	1.39	-0.14	1.38	
7772.00	90.060	161.700	6568.24	210.94	-411.70	-554.80	1675180.47	14223336.49	39°10'6.8373"N	80°52'38.4383"W	690.87	233.422	1.03	-0.95	0.39	



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (224 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	("/100ft)	("/100ft)	("/100ft)	
7887.00	90.460	159.850	6567.81	305.93	-501.39	-523.52	1675211.74	14223246.83	39°10'5.9504"N	80°52'38.0427"W	724.90	226.237	1.99	0.42	-1.95	
7961.00	90.430	161.030	6567.08	399.92	-589.97	-492.05	1675243.19	14223158.29	39°10'5.0745"N	80°52'37.6446"W	768.23	219.829	1.26	-0.03	1.26	
8056.00	90.180	160.420	6566.57	494.91	-679.64	-460.70	1675274.54	14223068.65	39°10'4.1878"N	80°52'37.2480"W	821.07	214.132	0.69	-0.26	-0.64	
8150.00	90.920	160.840	6565.67	588.90	-768.31	-429.52	1675305.70	14222980.01	39°10'3.3109"N	80°52'36.8538"W	880.22	209.207	0.91	0.79	0.45	
8245.00	90.220	161.100	6564.73	683.90	-858.12	-398.55	1675336.66	14222890.25	39°10'2.4229"N	80°52'36.4620"W	946.15	204.912	0.79	-0.74	0.27	
8340.00	90.650	161.230	6564.00	778.89	-948.03	-367.88	1675367.32	14222800.37	39°10'1.5338"N	80°52'36.0742"W	1016.90	201.208	0.47	0.45	0.14	
8435.00	90.890	160.630	6562.73	873.88	-1037.80	-336.84	1675398.34	14222710.63	39°10'0.6460"N	80°52'35.6817"W	1091.10	197.982	0.68	0.25	-0.63	
8529.00	91.290	161.000	6560.94	967.86	-1126.57	-305.96	1675429.22	14222621.90	39°09'59.7683"N	80°52'35.2911"W	1167.37	195.194	0.58	0.43	0.39	
8623.00	91.020	160.540	6559.04	1061.84	-1215.30	-275.00	1675460.16	14222533.20	39°09'58.8908"N	80°52'34.8997"W	1246.03	192.750	0.57	-0.29	-0.49	
8718.00	90.620	159.030	6557.68	1156.80	-1304.44	-242.18	1675492.97	14222444.10	39°09'58.0093"N	80°52'34.4845"W	1326.73	190.518	1.64	-0.42	-1.59	
8813.00	90.000	159.010	6557.17	1251.73	-1393.14	-208.17	1675526.97	14222355.44	39°09'57.1322"N	80°52'34.0542"W	1408.61	188.498	0.65	-0.65	-0.02	
8907.00	91.820	160.680	6555.68	1345.68	-1481.37	-175.78	1675559.34	14222267.25	39°09'56.2597"N	80°52'33.6446"W	1491.76	186.767	2.63	1.94	1.78	
9002.00	91.290	161.570	6553.10	1440.65	-1571.22	-145.06	1675590.04	14222177.43	39°09'55.3712"N	80°52'33.2561"W	1577.91	185.275	1.09	-0.56	0.94	
9096.00	90.370	160.610	6551.74	1534.64	-1660.14	-114.60	1675620.49	14222088.55	39°09'54.4919"N	80°52'32.8709"W	1664.09	183.949	1.41	-0.98	-1.02	
9191.00	91.140	160.480	6550.49	1629.62	-1749.71	-82.97	1675652.12	14221999.01	39°09'53.6062"N	80°52'32.4708"W	1751.67	182.715	0.82	0.81	-0.14	
9286.00	91.020	160.380	6548.70	1724.60	-1839.20	-51.15	1675683.92	14221909.55	39°09'52.7212"N	80°52'32.0684"W	1839.91	181.593	0.16	-0.13	-0.11	
9381.00	90.430	161.340	6547.49	1819.58	-1928.94	-20.00	1675715.05	14221819.85	39°09'51.8338"N	80°52'31.6746"W	1929.05	180.594	1.19	-0.62	1.01	
9475.00	89.820	159.230	6547.29	1913.57	-2017.43	11.70	1675746.75	14221731.40	39°09'50.9588"N	80°52'31.2736"W	2017.46	179.668	2.34	-0.65	-2.24	
9570.00	87.010	160.150	6549.92	2008.49	-2106.48	44.66	1675779.69	14221642.39	39°09'50.0782"N	80°52'30.8567"W	2106.95	178.785	3.11	-2.96	0.97	
9665.00	91.450	161.390	6551.19	2103.45	-2196.14	75.94	1675810.96	14221552.76	39°09'49.1915"N	80°52'30.4611"W	2197.46	178.020	4.85	4.67	1.31	
9759.00	90.120	160.970	6549.90	2197.44	-2285.11	106.26	1675841.27	14221463.83	39°09'48.3118"N	80°52'30.0778"W	2287.58	177.338	1.48	-1.41	-0.45	
9853.00	89.910	159.120	6549.88	2291.42	-2373.46	138.34	1675873.33	14221375.51	39°09'47.4381"N	80°52'29.6720"W	2377.49	176.664	1.98	-0.22	-1.97	
9948.00	90.490	160.160	6549.55	2386.38	-2462.52	171.39	1675906.37	14221286.48	39°09'46.5573"N	80°52'29.2540"W	2468.48	176.019	1.25	0.61	1.09	
10043.00	90.060	160.090	6549.09	2481.36	-2551.86	203.69	1675938.66	14221197.18	39°09'45.6739"N	80°52'28.8455"W	2559.98	175.436	0.46	-0.45	-0.07	
10138.00	90.220	159.370	6548.86	2576.33	-2640.98	236.60	1675971.55	14221108.10	39°09'44.7926"N	80°52'28.4293"W	2651.56	174.881	0.78	0.17	-0.76	
10232.00	90.280	159.560	6548.45	2670.28	-2729.00	269.57	1676004.51	14221020.11	39°09'43.9221"N	80°52'28.0122"W	2742.29	174.359	0.21	0.06	0.20	
10327.00	90.220	160.920	6548.04	2765.27	-2818.41	301.69	1676036.62	14220930.74	39°09'43.0380"N	80°52'27.6060"W	2834.51	173.890	1.43	-0.06	1.43	
10422.00	91.420	160.640	6546.68	2860.25	-2908.10	332.96	1676067.88	14220841.08	39°09'42.1510"N	80°52'27.2106"W	2927.10	173.468	1.30	1.26	-0.29	
10517.00	89.290	159.770	6546.09	2955.23	-2997.48	365.13	1676100.03	14220751.74	39°09'41.2672"N	80°52'26.8038"W	3019.64	173.055	2.42	-2.24	-0.92	
10612.00	93.760	162.260	6543.56	3050.16	-3087.25	396.01	1676130.91	14220662.01	39°09'40.3795"N	80°52'26.4133"W	3112.55	172.690	5.39	4.71	2.62	



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (224 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
10706.00	90.680	158.050	6539.92	3144.05	-3175.57	427.89	1676162.77	14220573.72	39°09'39.5061"N	80°52'26.0101"W	3204.27	172.326	5.55	-3.28	-4.48	
10801.00	90.060	161.070	6539.30	3238.99	-3264.58	461.07	1676195.93	14220484.75	39°09'38.6259"N	80°52'25.5906"W	3296.97	171.961	3.25	-0.65	3.18	
10895.00	89.480	160.670	6539.68	3332.99	-3353.38	491.87	1676226.72	14220395.98	39°09'37.7477"N	80°52'25.2011"W	3389.27	171.655	0.75	-0.62	-0.43	
10990.00	90.220	163.090	6539.93	3427.98	-3443.66	521.41	1676256.25	14220305.73	39°09'36.8550"N	80°52'24.8276"W	3482.92	171.390	2.66	0.78	2.55	
11085.00	89.850	161.850	6539.87	3522.95	-3534.25	550.03	1676284.86	14220215.18	39°09'35.9592"N	80°52'24.4659"W	3576.79	171.154	1.36	-0.39	-1.31	
11179.00	90.030	162.500	6539.97	3616.94	-3623.74	578.80	1676313.62	14220125.73	39°09'35.0744"N	80°52'24.1022"W	3669.67	170.925	0.72	0.19	0.69	
11274.00	89.850	162.800	6540.07	3711.91	-3714.42	607.13	1676341.94	14220035.09	39°09'34.1777"N	80°52'23.7442"W	3763.71	170.717	0.37	-0.19	0.32	
11369.00	89.820	162.550	6540.34	3806.87	-3805.10	635.42	1676370.22	14219944.44	39°09'33.2810"N	80°52'23.3867"W	3857.80	170.520	0.27	-0.03	-0.26	
11464.00	89.260	161.650	6541.11	3901.86	-3895.50	664.62	1676399.40	14219854.08	39°09'32.3871"N	80°52'23.0176"W	3951.79	170.318	1.12	-0.59	-0.95	
11559.00	90.340	162.500	6541.44	3996.84	-3985.89	693.86	1676428.63	14219763.73	39°09'31.4933"N	80°52'22.6480"W	4045.83	170.125	1.45	1.14	0.89	
11653.00	91.570	163.560	6539.87	4090.78	-4075.78	721.29	1676456.05	14219673.87	39°09'30.6044"N	80°52'22.3014"W	4139.11	169.964	1.73	1.31	1.13	
11748.00	91.170	160.400	6537.60	4185.73	-4166.08	750.66	1676485.41	14219583.81	39°09'29.7115"N	80°52'21.9301"W	4233.17	169.786	3.35	-0.42	-3.33	
11843.00	90.250	162.690	6536.42	4280.72	-4256.18	780.73	1676515.47	14219493.54	39°09'28.8205"N	80°52'21.5500"W	4327.20	169.606	2.60	-0.97	2.41	
11938.00	90.490	161.790	6535.81	4375.70	-4346.65	809.71	1676544.43	14219403.11	39°09'27.9259"N	80°52'21.1837"W	4421.43	169.448	0.98	0.25	-0.95	
12032.00	89.600	163.560	6535.73	4469.66	-4436.38	837.70	1676572.41	14219313.41	39°09'27.0386"N	80°52'20.8300"W	4514.78	169.307	2.11	-0.95	1.88	
12127.00	91.480	160.930	6534.84	4564.63	-4526.84	866.66	1676601.37	14219222.99	39°09'26.1441"N	80°52'20.4639"W	4609.06	169.162	3.40	1.98	-2.77	
12222.00	89.630	162.690	6533.92	4659.61	-4617.08	896.32	1676631.01	14219132.79	39°09'25.2518"N	80°52'20.0891"W	4703.28	169.014	2.69	-1.95	1.85	
12316.00	90.340	161.030	6533.94	4753.60	-4706.41	925.58	1676660.26	14219043.50	39°09'24.3685"N	80°52'19.7192"W	4796.56	168.874	1.92	0.76	-1.77	
12411.00	91.050	162.130	6532.79	4848.59	-4796.53	955.60	1676690.26	14218953.41	39°09'23.4773"N	80°52'19.3398"W	4890.80	168.733	1.38	0.75	1.16	
12506.00	90.090	164.140	6531.85	4943.52	-4887.44	983.15	1676717.81	14218862.54	39°09'22.5784"N	80°52'18.9916"W	4985.34	168.626	2.34	-1.01	2.12	
12600.00	89.110	158.650	6532.50	5037.48	-4976.49	1013.13	1676747.78	14218773.53	39°09'21.6979"N	80°52'18.6126"W	5078.57	168.493	5.93	-1.04	-5.84	
12695.00	87.690	162.640	6535.16	5132.42	-5066.06	1044.60	1676779.23	14218683.99	39°09'20.8121"N	80°52'18.2148"W	5172.64	168.349	4.46	-1.49	4.20	
12790.00	92.310	162.200	6535.16	5227.37	-5156.60	1073.28	1676807.90	14218593.49	39°09'19.9168"N	80°52'17.8523"W	5267.11	168.242	4.89	4.86	-0.46	
12884.00	89.630	159.780	6533.56	5321.34	-5245.45	1103.89	1676838.50	14218504.68	39°09'19.0382"N	80°52'17.4653"W	5360.34	168.116	3.84	-2.85	-2.57	
12979.00	90.800	161.740	6533.21	5416.33	-5335.13	1135.20	1676869.79	14218415.02	39°09'18.1513"N	80°52'17.0695"W	5454.57	167.988	2.40	1.23	2.06	
13073.00	90.060	163.140	6532.50	5510.31	-5424.75	1163.55	1676898.14	14218325.45	39°09'17.2652"N	80°52'16.7112"W	5548.13	167.894	1.68	-0.79	1.49	
13168.00	89.510	160.470	6532.86	5605.29	-5514.99	1193.22	1676927.79	14218235.24	39°09'16.3728"N	80°52'16.3363"W	5642.59	167.792	2.87	-0.58	-2.81	
13263.00	90.180	162.970	6533.12	5700.28	-5605.19	1223.01	1676957.57	14218145.08	39°09'15.4809"N	80°52'15.9597"W	5737.06	167.691	2.72	0.71	2.63	
13358.00	88.490	161.250	6534.22	5795.25	-5695.58	1252.19	1676986.74	14218054.72	39°09'14.5870"N	80°52'15.5909"W	5831.60	167.601	2.54	-1.78	-1.81	
13452.00	88.610	161.050	6536.60	5889.22	-5784.51	1282.55	1677017.09	14217965.83	39°09'13.7076"N	80°52'15.2071"W	5924.99	167.499	0.25	0.13	-0.21	



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (224 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
13547.00	90.400	163.450	6537.42	5984.19	-5874.97	1311.51	1677046.03	14217875.40	39°09'12.8131"N	80°52'14.8412"W	6019.58	167.416	3.15	1.88	2.53	
13642.00	88.400	160.520	6538.41	6079.16	-5965.30	1340.88	1677075.39	14217785.11	39°09'11.9199"N	80°52'14.4699"W	6114.14	167.332	3.73	-2.11	-3.08	
13737.00	90.580	163.160	6539.26	6174.14	-6055.55	1370.48	1677104.99	14217694.90	39°09'11.0274"N	80°52'14.0958"W	6208.69	167.248	3.60	2.29	2.78	
13831.00	88.740	162.510	6539.82	6268.10	-6145.36	1398.22	1677132.71	14217605.13	39°09'10.1394"N	80°52'13.7453"W	6302.41	167.182	2.08	-1.96	-0.69	
13926.00	88.710	162.580	6541.93	6363.05	-6235.96	1426.71	1677161.19	14217514.56	39°09'9.2435"N	80°52'13.3853"W	6397.08	167.113	0.08	-0.03	0.07	
14020.00	88.800	162.070	6543.97	6457.01	-6325.50	1455.25	1677189.71	14217425.05	39°09'8.3581"N	80°52'13.0247"W	6490.74	167.044	0.55	0.10	-0.54	
14115.00	89.290	161.220	6545.56	6551.99	-6415.65	1485.16	1677219.61	14217334.94	39°09'7.4666"N	80°52'12.6467"W	6585.31	166.966	1.03	0.52	-0.89	
14209.00	88.580	163.000	6547.30	6645.96	-6505.09	1514.03	1677248.47	14217245.54	39°09'6.5822"N	80°52'12.2819"W	6678.96	166.898	2.04	-0.76	1.89	
14304.00	89.750	160.660	6548.69	6740.93	-6595.33	1543.65	1677278.08	14217155.33	39°09'5.6898"N	80°52'11.9075"W	6773.57	166.827	2.75	1.23	-2.46	
14399.00	88.460	162.880	6550.17	6835.91	-6685.55	1573.36	1677307.78	14217065.15	39°09'4.7977"N	80°52'11.5320"W	6868.19	166.757	2.70	-1.36	2.34	
14493.00	92.830	161.800	6549.11	6929.86	-6775.09	1601.87	1677336.28	14216975.65	39°09'3.9123"N	80°52'11.1718"W	6961.88	166.698	4.79	4.65	-1.15	
14588.00	90.490	163.210	6546.36	7024.79	-6865.65	1630.41	1677364.81	14216885.12	39°09'3.0168"N	80°52'10.8111"W	7056.58	166.641	2.88	-2.46	1.48	
14683.00	90.400	159.130	6545.62	7119.76	-6955.54	1661.07	1677395.45	14216795.26	39°09'2.1279"N	80°52'10.4236"W	7151.13	166.569	4.30	-0.09	-4.29	
14777.00	90.090	158.940	6545.22	7213.69	-7043.32	1694.70	1677429.07	14216707.52	39°09'1.2598"N	80°52'9.9983"W	7244.33	166.471	0.39	-0.33	-0.20	
14871.00	90.950	158.960	6544.37	7307.62	-7131.04	1728.46	1677462.82	14216619.84	39°09'0.3923"N	80°52'9.5714"W	7337.53	166.375	0.92	0.91	0.02	
14966.00	92.310	159.600	6541.67	7402.52	-7219.86	1762.06	1677496.40	14216531.06	39°08'59.5139"N	80°52'9.1465"W	7431.77	166.285	1.58	1.43	0.67	
15060.00	90.430	159.410	6539.42	7496.45	-7307.88	1794.96	1677529.29	14216443.07	39°08'58.6435"N	80°52'8.7305"W	7525.09	166.200	2.01	-2.00	-0.20	
15155.00	89.690	159.230	6539.32	7591.40	-7396.76	1828.51	1677562.82	14216354.23	39°08'57.7645"N	80°52'8.3063"W	7619.41	166.115	0.80	-0.78	-0.19	
15250.00	89.600	158.540	6539.91	7686.32	-7485.38	1862.73	1677597.03	14216265.64	39°08'56.8881"N	80°52'7.8736"W	7713.66	166.026	0.73	-0.09	-0.73	
15344.00	89.680	158.880	6540.52	7780.23	-7572.96	1896.86	1677631.15	14216178.10	39°08'56.0220"N	80°52'7.4419"W	7806.91	165.938	0.37	0.06	0.36	
15439.00	89.140	161.360	6541.51	7875.20	-7662.28	1929.16	1677663.44	14216088.80	39°08'55.1386"N	80°52'7.0336"W	7901.41	165.868	2.67	-0.55	2.61	
15534.00	89.010	160.780	6543.04	7970.18	-7752.13	1959.97	1677694.24	14215998.99	39°08'54.2501"N	80°52'6.6441"W	7996.07	165.811	0.63	-0.14	-0.61	
15628.00	87.940	162.120	6545.55	8064.15	-7841.22	1989.87	1677724.12	14215909.94	39°08'53.3692"N	80°52'6.2663"W	8089.76	165.761	1.82	-1.14	1.43	
15723.00	89.080	160.250	6548.02	8159.11	-7931.10	2020.49	1677754.73	14215820.09	39°08'52.4803"N	80°52'5.8792"W	8184.42	165.708	2.30	1.20	-1.97	
15818.00	89.350	160.610	6549.32	8254.09	-8020.61	2052.31	1677786.54	14215730.63	39°08'51.5952"N	80°52'5.4770"W	8279.02	165.647	0.47	0.28	0.38	
15912.00	90.280	161.030	6549.62	8348.09	-8109.39	2083.19	1677817.41	14215641.88	39°08'50.7173"N	80°52'5.0867"W	8372.69	165.593	1.09	0.99	0.45	
16007.00	90.310	161.690	6549.13	8443.09	-8199.40	2113.56	1677847.76	14215551.90	39°08'49.8271"N	80°52'4.7029"W	8467.43	165.546	0.70	0.03	0.69	
16101.00	89.750	162.070	6549.08	8537.08	-8288.74	2142.79	1677876.98	14215462.60	39°08'48.9437"N	80°52'4.3335"W	8561.24	165.505	0.72	-0.60	0.40	
16196.00	91.820	159.950	6547.78	8632.06	-8378.55	2173.70	1677907.88	14215372.82	39°08'48.0555"N	80°52'3.9429"W	8655.93	165.456	3.12	2.18	-2.23	
16290.00	88.490	161.200	6547.53	8726.04	-8467.19	2204.95	1677939.12	14215284.22	39°08'47.1790"N	80°52'3.5478"W	8749.58	165.404	3.78	-3.54	1.33	



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (224 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
16385.00	88.280	160.770	6550.20	8821.00	-8556.97	2235.89	1677970.05	14215194.48	39°08'46.2912"N	80°52'3.1567"W	8844.26	165.356	0.50	-0.22	-0.45	
16479.00	88.740	161.240	6552.65	8914.97	-8645.82	2266.48	1678000.62	14215105.67	39°08'45.4126"N	80°52'2.7702"W	8937.96	165.311	0.70	0.49	0.50	
16574.00	90.310	160.920	6553.44	9009.96	-8735.68	2297.28	1678031.41	14215015.84	39°08'44.5239"N	80°52'2.3809"W	9032.70	165.268	1.69	1.65	-0.34	
16668.00	90.650	161.390	6552.65	9103.96	-8824.64	2327.64	1678061.76	14214926.92	39°08'43.6442"N	80°52'1.9972"W	9126.45	165.224	0.62	0.36	0.50	
16763.00	90.150	161.170	6551.99	9198.95	-8914.61	2358.13	1678092.24	14214836.98	39°08'42.7545"N	80°52'1.6119"W	9221.23	165.183	0.58	-0.53	-0.23	
16858.00	89.940	161.230	6551.91	9293.95	-9004.54	2388.75	1678122.84	14214747.09	39°08'41.8652"N	80°52'1.2250"W	9316.00	165.143	0.23	-0.22	0.06	
16953.00	89.880	161.310	6552.06	9388.95	-9094.51	2419.25	1678153.33	14214657.15	39°08'40.9755"N	80°52'0.8395"W	9410.79	165.104	0.11	-0.06	0.08	
17048.00	90.000	160.800	6552.16	9483.95	-9184.36	2450.09	1678184.16	14214567.34	39°08'40.0869"N	80°52'0.4497"W	9505.55	165.063	0.55	0.13	-0.54	
17142.00	90.030	160.940	6552.14	9577.95	-9273.17	2480.90	1678214.96	14214478.56	39°08'39.2087"N	80°52'0.0603"W	9599.30	165.022	0.15	0.03	0.15	
17237.00	89.780	160.820	6552.29	9672.95	-9362.93	2512.02	1678246.06	14214388.84	39°08'38.3211"N	80°51'59.6671"W	9694.06	164.982	0.29	-0.26	-0.13	
17331.00	89.480	161.410	6552.90	9766.95	-9451.87	2542.44	1678276.47	14214299.94	39°08'37.4416"N	80°51'59.2826"W	9787.84	164.944	0.70	-0.32	0.63	
17426.00	90.430	160.940	6552.97	9861.94	-9541.79	2573.09	1678307.11	14214210.06	39°08'36.5524"N	80°51'58.8952"W	9882.64	164.908	1.12	1.00	-0.49	
17521.00	88.830	162.130	6553.59	9956.94	-9631.89	2603.18	1678337.19	14214119.99	39°08'35.6614"N	80°51'58.5150"W	9977.47	164.876	2.10	-1.68	1.25	
17616.00	90.310	160.060	6554.30	10051.93	-9721.75	2633.96	1678367.95	14214030.16	39°08'34.7727"N	80°51'58.1261"W	10072.25	164.841	2.68	1.56	-2.18	
17710.00	89.480	161.880	6554.47	10145.92	-9810.61	2664.61	1678398.59	14213941.34	39°08'33.8940"N	80°51'57.7387"W	10166.03	164.805	2.13	-0.88	1.94	
17805.00	91.390	159.310	6553.75	10240.90	-9900.20	2696.16	1678430.13	14213851.78	39°08'33.0081"N	80°51'57.3399"W	10260.76	164.766	3.37	2.01	-2.71	
17900.00	88.710	158.510	6553.67	10335.81	-9988.83	2730.35	1678464.30	14213763.19	39°08'32.1316"N	80°51'56.9077"W	10355.26	164.712	2.94	-2.82	-0.84	
17994.00	92.220	162.250	6552.91	10429.77	-10077.34	2761.90	1678495.84	14213674.72	39°08'31.2563"N	80°51'56.5089"W	10448.96	164.673	5.46	3.73	3.98	
18089.00	89.510	159.380	6551.47	10524.74	-10167.03	2793.11	1678527.04	14213585.06	39°08'30.3693"N	80°51'56.1145"W	10543.72	164.639	4.15	-2.85	-3.02	
18184.00	91.080	161.250	6550.98	10619.72	-10256.47	2825.11	1678559.02	14213495.65	39°08'29.4848"N	80°51'55.7101"W	10638.44	164.600	2.57	1.65	1.97	
18278.00	89.050	162.130	6550.88	10713.71	-10345.71	2854.63	1678588.54	14213406.45	39°08'28.6023"N	80°51'55.3370"W	10732.32	164.575	2.35	-2.16	0.94	
18373.00	89.820	160.660	6551.81	10808.70	-10435.74	2884.94	1678618.84	14213316.46	39°08'27.7121"N	80°51'54.9540"W	10827.16	164.547	1.75	0.81	-1.55	
18468.00	90.120	161.180	6551.86	10903.70	-10525.52	2916.00	1678649.88	14213226.72	39°08'26.8242"N	80°51'54.5616"W	10921.98	164.515	0.63	0.32	0.55	
18562.00	90.620	161.220	6551.26	10997.70	-10614.50	2946.29	1678680.16	14213137.77	39°08'25.9443"N	80°51'54.1788"W	11015.82	164.487	0.53	0.53	0.04	
18657.00	90.550	161.200	6550.29	11092.69	-10704.43	2976.89	1678710.74	14213047.87	39°08'25.0549"N	80°51'53.7922"W	11110.66	164.459	0.08	-0.07	-0.02	
18752.00	91.260	160.600	6548.78	11187.68	-10794.19	3007.97	1678741.81	14212958.15	39°08'24.1673"N	80°51'53.3994"W	11205.46	164.429	0.98	0.75	-0.63	
18846.00	88.280	161.260	6549.16	11281.66	-10883.02	3038.68	1678772.51	14212869.36	39°08'23.2889"N	80°51'53.0114"W	11299.28	164.400	3.25	-3.17	0.70	
18941.00	91.970	159.670	6548.95	11376.64	-10972.53	3070.43	1678804.25	14212779.88	39°08'22.4037"N	80°51'52.6100"W	11394.04	164.367	4.23	3.88	-1.67	
19036.00	89.080	159.700	6548.08	11471.59	-11061.61	3103.41	1678837.22	14212690.84	39°08'21.5227"N	80°51'52.1931"W	11488.71	164.328	3.04	-3.04	0.03	
19130.00	90.890	161.270	6548.11	11565.58	-11150.21	3134.81	1678868.61	14212602.28	39°08'20.6466"N	80°51'51.7963"W	11582.49	164.297	2.55	1.93	1.67	



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (224 stations) † = interpolated, ‡ = extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
19225.00	90.250	162.590	6547.16	11660.56	-11240.51	3164.28	1678898.06	14212512.01	39°08'19.7536"N	80°51'51.4241"W	11677.40	164.278	1.54	-0.67	1.39	
19414.00	91.140	160.500	6544.87	11849.53	-11419.77	3224.10	1678957.86	14212332.83	39°08'17.9809"N	80°51'50.6683"W	11866.17	164.234	1.20	0.47	-1.11	
19509.00	91.080	162.440	6543.03	11944.51	-11509.82	3254.28	1678988.03	14212242.81	39°08'17.0904"N	80°51'50.2869"W	11961.03	164.212	2.04	-0.06	2.04	
19603.00	89.450	161.640	6542.60	12038.49	-11599.24	3283.26	1679017.00	14212153.43	39°08'16.2062"N	80°51'49.9208"W	12054.96	164.195	1.93	-1.73	-0.85	
19697.00	90.950	159.670	6542.27	12132.48	-11687.92	3314.40	1679048.12	14212064.78	39°08'15.3292"N	80°51'49.5273"W	12148.78	164.168	2.63	1.60	-2.10	
19792.00	91.050	163.170	6540.61	12227.45	-11777.94	3344.66	1679078.37	14211974.79	39°08'14.4390"N	80°51'49.1450"W	12243.64	164.147	3.69	0.11	3.68	
19886.00	89.420	158.410	6540.22	12321.42	-11866.68	3375.58	1679109.28	14211886.09	39°08'13.5614"N	80°51'48.7543"W	12337.45	164.121	5.35	-1.73	-5.06	
19981.00	89.630	163.180	6541.01	12416.38	-11956.36	3406.82	1679140.50	14211796.45	39°08'12.6745"N	80°51'48.3596"W	12432.26	164.096	5.03	0.22	5.02	
20171.00	90.920	162.310	6540.10	12606.31	-12137.80	3463.18	1679196.84	14211615.08	39°08'10.8803"N	80°51'47.6478"W	12622.20	164.075	0.82	0.68	-0.46	
20265.00	90.310	161.220	6539.09	12700.29	-12227.08	3492.59	1679226.24	14211525.84	39°08'9.9975"N	80°51'47.2763"W	12716.12	164.058	1.33	-0.65	-1.16	
20360.00	89.910	161.250	6538.91	12795.29	-12317.03	3523.15	1679256.79	14211435.93	39°08'9.1080"N	80°51'46.8901"W	12811.00	164.037	0.42	-0.42	0.03	
20454.00	89.910	161.530	6539.06	12889.29	-12406.11	3553.15	1679286.77	14211346.88	39°08'8.2271"N	80°51'46.5112"W	12904.90	164.018	0.30	0.00	0.30	
20611.00	89.780	161.360	6539.48	13046.29	-12554.95	3603.10	1679336.71	14211198.10	39°08'6.7552"N	80°51'45.8800"W	13061.74	163.987	0.14	-0.08	-0.11	
20636.00‡	89.780	161.360	6539.58	13071.29	-12578.64	3611.09	1679344.70	14211174.42	39°08'6.5209"N	80°51'45.7790"W	13086.72	163.982	0.00	0.00	0.00	Projected MD at TD: 20636'

HOLE & CASING SECTIONS - Ref Wellbore: Maxson Unit 2H AWB Ref Wellpath: Maxson Unit 2H AWP Proj: 20636'									
String/Diameter	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S	End E/W
	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]
20in Conductor	30.00	130.00	100.00	30.00	130.00	0.00	0.00	-0.17	-0.23
17.5in Open Hole	130.00	591.00	461.00	130.00	590.99	-0.17	-0.23	-2.04	-0.90
13.375in Casing Surface	30.00	571.00	541.00	30.00	571.00	0.00	0.00	-2.01	-0.87
12.25in Open Hole	591.00	2657.00	2066.00	590.99	2608.88	-2.04	-0.90	281.57	-261.68
9.625in Casing Intermediate	30.00	2637.00	2607.00	30.00	2589.51	0.00	0.00	278.63	-257.65
8.75in Open Hole	2657.00	5858.00	3201.00	2608.88	5695.63	281.57	-261.68	866.09	-863.72
8.5in Open Hole	5858.00	20636.00	14778.00	5695.63	6539.58	866.09	-863.72	-12578.64	3611.09
5.5in Casing Production	30.00	20616.00	20586.00	30.00	6539.50	0.00	0.00	-12559.69	3604.70



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Maxson Unit 2H POE Rev-3	6553.00	372.87	-805.46	1674929.91	14224120.74	39°10'14.5953"N	80°52'41.6074"W	point
Maxson Unit 2H BHL Rev-3	6575.00	-12551.00	3593.72	1679327.33	14211202.05	39°08'6.7944"N	80°51'45.9990"W	point
Maxson Unit 2H LP Rev-3	6575.00	206.12	-748.70	1674986.65	14223954.05	39°10'12.9463"N	80°52'40.8896"W	point
Maxson Unit 2H 50' L/R Hard Line	7000.00	-6089.07	1394.13	1677128.62	14217661.39	39°09'10.6958"N	80°52'13.7963"W	rectangle
	2D Rectangle 13652.1 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Maxson Unit 2H AWB Ref Wellpath: Maxson Unit 2H AWP Proj: 20636'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
30.00	500.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-500')	Maxson Unit 2H AWB	12/Jan/2022	
500.00	656.00	Gyrodatta 2015 - GC+WIR+DPIPE	02 Gyrodatta MS Gyro <12-1/4"> (500')(600'-656')	Maxson Unit 2H AWB	14/Jan/2022	
656.00	2565.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <12-1/4"> (656')(689'-2565')	Maxson Unit 2H AWB	12/Jan/2022	
2565.00	5787.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04 APS EM <8-3/4"> (2565')(2662'-5787')	Maxson Unit 2H AWB	10/Feb/2022	
5787.00	20636.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05 BH AT Curve <8-1/2"> (5787')(5883'-20611')	Maxson Unit 2H AWB	10/Feb/2022	



Actual Wellpath Report

Maxson Unit 2H AWP Proj: 20636'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Maxson Unit 2H
Field	Ritchie	API	47-085-10413-0000
Facility	Weekley West Pad	Wellbore	Maxson Unit 2H AWB
Slot	Slot C		

COMMENTS

Wellpath general comments

API: 47-085-10413-0000
 BH Job #: 111180554
 Rig: H&P 531
 Duration: 2/12/2022-2/16/2022
 Gyrodata MS Gyro <17-1/2"> (100'-500')
 Gyrodata MS Gyro <12-1/4"> (500')(600'-656')
 APS EM <12-1/4"> (656')(689'-2565')
 APS EM <8-3/4"> (2565')(2662'-5787')
 BH AT Curve <8-1/2"> (5787')(5883'-20611')
 Sycamore: 6401' MD
 Middlesex: 6622' MD
 Burkett: 6836' MD
 Tully: 6930' MD
 Marcellus POE: 6989' MD
 Projected MD at TD: 20636'



ANTERO RESOURCES CORPORATION

Location: Ritchie County, WV
Field: Ritchie
Facility: Weekley West Pad

Slot: Slot C
Well: Maxson Unit 2H
Wellbore: Maxson Unit 2H PWB



Plot reference wellpath is Maxson Unit 2H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 531 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 531 (RKB)	Scale: True distance
H&P 531 (RKB) to Mean Sea Level: 1155 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot C): -1125 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: schuyler on 2022-02-24; Database: WA_MPL_EASTERNUS_Defn

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Weekley West Pad	1675735.170	14223718.080	39°10'10.6030"N	80°52'31.3860"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot C	29.95	-0.12	1675735.050	14223748.020	39°10'10.6990"N
Comment	Maxson Unit 2H				
H&P 531 (RKB) to Ground level (At Slot: Slot C)					30ft
Mean Sea Level to Ground level (At Slot: Slot C)					-1125ft
H&P 531 (RKB) to Mean Sea Level					1155ft

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	2565.00	15.050	308.070	2519.89	287.52	-243.03	0.53	-331.57
Proj to Bottom	2657.00	15.050	308.070	2608.74	282.25	-261.84	0.00	-351.57
Drill Out	2737.00	15.050	308.070	2685.89	285.06	-278.18	0.00	-368.97
End of 3D Arc	2832.62	15.911	314.473	2778.15	311.90	-297.32	2.00	-391.07
Curve KOP	5857.77	15.911	314.473	5687.40	892.90	-889.12	0.00	-1131.80
POE	6983.34	75.762	161.202	6553.00	372.87	-805.46	8.00	-612.55
Landing Pt.	7161.32	90.000	161.202	6575.00	206.12	-748.70	8.00	-436.40
BHL	20637.24	90.000	161.202	6575.00	-12551.00	3583.72	0.00	13039.53

Well Data			
Slot	Well	Wellbore	Wellpath
Slot C	Maxson Unit 2H	Maxson Unit 2H AWP	Maxson Unit 2H AWP Proj: 20636'
Slot C	Maxson Unit 2H	Maxson Unit 2H PWB	Maxson Unit 2H PWP Rev-B.0

