



Actual Wellpath Report

Stampede Unit 3H AWP Proj: 18390'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Delaset
Scale	0.999604	Report Generated	1/24/2020 at 11:39:53 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	25.34	-16.05	1700240.64	14308725.89	39°24'10.6810"N	80°47'17.5930"W
Facility Reference Pt			1700256.68	14308700.56	39°24'10.4301"N	80°47'17.3894"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 342 (RKB) to Facility Vertical Datum	768.00ft
Horizontal Reference Pt	Slot	Patterson 342 (RKB) to Mean Sea Level	768.00ft
Vertical Reference Pt	Patterson 342 (RKB)	Patterson 342 (RKB) to Ground Level at Slot (Slot #02)	25.00ft
MD Reference Pt	Patterson 342 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.71°



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WELLPATH DATA (216 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	141.210	0.00	0.00	0.00	0.00	1700240.64	14308725.89	39°24'10.6810"N	80°47'17.5930"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	141.210	25.00	0.00	0.00	0.00	1700240.64	14308725.89	39°24'10.6810"N	80°47'17.5930"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.270	141.210	100.00	0.17	-0.14	0.11	1700240.75	14308725.75	39°24'10.6796"N	80°47'17.5916"W	0.18	141.210	0.36	0.36	0.00	Gyrodata MS Gyro <17-1/2">(100'-380')
125.00	0.340	137.010	125.00	0.29	-0.24	0.20	1700240.84	14308725.65	39°24'10.6786"N	80°47'17.5905"W	0.31	140.205	0.29	0.28	-16.80	
150.00	0.360	127.870	150.00	0.42	-0.34	0.31	1700240.95	14308725.55	39°24'10.6776"N	80°47'17.5891"W	0.46	137.650	0.22	0.04	-36.56	
175.00	0.340	126.220	175.00	0.54	-0.43	0.43	1700241.07	14308725.46	39°24'10.6767"N	80°47'17.5876"W	0.61	135.039	0.06	-0.04	-6.60	
200.00	0.290	139.140	200.00	0.66	-0.52	0.53	1700241.17	14308725.37	39°24'10.6758"N	80°47'17.5863"W	0.74	134.511	0.35	-0.20	51.68	
225.00	0.330	137.680	225.00	0.79	-0.62	0.62	1700241.26	14308725.27	39°24'10.6748"N	80°47'17.5851"W	0.88	135.104	0.16	0.16	-5.84	
250.00	0.420	132.040	250.00	0.93	-0.74	0.74	1700241.38	14308725.15	39°24'10.6737"N	80°47'17.5837"W	1.04	135.012	0.39	0.36	-22.56	
275.00	0.420	133.380	275.00	1.09	-0.86	0.87	1700241.51	14308725.03	39°24'10.6724"N	80°47'17.5819"W	1.23	134.668	0.04	0.00	5.36	
300.00	0.440	133.620	300.00	1.26	-0.99	1.01	1700241.65	14308724.90	39°24'10.6712"N	80°47'17.5802"W	1.41	134.513	0.08	0.08	0.96	
325.00	0.480	136.510	325.00	1.44	-1.13	1.15	1700241.79	14308724.76	39°24'10.6697"N	80°47'17.5784"W	1.61	134.590	0.18	0.16	11.56	
350.00	0.500	139.800	349.99	1.63	-1.29	1.29	1700241.93	14308724.60	39°24'10.6682"N	80°47'17.5766"W	1.83	135.011	0.14	0.08	13.16	
375.00	0.500	146.820	374.99	1.84	-1.47	1.42	1700242.06	14308724.42	39°24'10.6664"N	80°47'17.5750"W	2.04	135.892	0.24	0.00	28.08	
380.00	0.490	150.600	379.99	1.88	-1.50	1.44	1700242.08	14308724.39	39°24'10.6661"N	80°47'17.5747"W	2.08	136.155	0.68	-0.20	75.60	
471.00	0.590	168.900	470.99	2.73	-2.30	1.73	1700242.36	14308723.59	39°24'10.6582"N	80°47'17.5711"W	2.88	143.153	0.22	0.11	20.11	Gyrodata MS Gyro <12-1/4">(380')(471'-650')
561.00	0.930	171.190	560.98	3.91	-3.48	1.93	1700242.57	14308722.41	39°24'10.6465"N	80°47'17.5686"W	3.98	151.024	0.38	0.38	2.54	
650.00	1.050	189.560	649.97	5.34	-5.00	1.90	1700242.54	14308720.90	39°24'10.6315"N	80°47'17.5690"W	5.35	159.165	0.38	0.13	20.64	
776.00	2.010	265.010	775.93	5.85	-6.33	-0.49	1700240.15	14308719.57	39°24'10.6184"N	80°47'17.5995"W	6.35	184.443	1.60	0.76	59.88	APS EM <12-1/4">(650')(776'-2566')
867.00	2.990	287.970	866.85	4.08	-5.73	-4.34	1700236.30	14308720.16	39°24'10.6244"N	80°47'17.6485"W	7.19	217.117	1.52	1.08	25.23	
958.00	3.500	298.820	957.70	0.64	-3.66	-9.03	1700231.61	14308722.23	39°24'10.6450"N	80°47'17.7082"W	9.75	247.923	0.87	0.56	11.92	
1053.00	4.630	297.700	1052.46	-4.24	-0.48	-14.97	1700225.68	14308725.41	39°24'10.6765"N	80°47'17.7837"W	14.97	268.154	1.19	1.19	-1.18	
1148.00	6.500	301.940	1147.01	-11.13	4.15	-22.92	1700217.72	14308730.03	39°24'10.7225"N	80°47'17.8849"W	23.30	280.249	2.01	1.97	4.46	
1243.00	8.530	307.000	1241.19	-21.06	11.23	-33.12	1700207.54	14308737.12	39°24'10.7927"N	80°47'18.0146"W	34.97	288.733	2.25	2.14	5.33	
1338.00	7.610	299.810	1335.25	-31.53	18.60	-44.20	1700196.46	14308744.48	39°24'10.8658"N	80°47'18.1556"W	47.95	292.819	1.44	-0.97	-7.57	
1432.00	8.030	292.940	1428.38	-40.49	24.25	-55.65	1700185.01	14308750.13	39°24'10.9219"N	80°47'18.3012"W	60.70	293.548	1.09	0.45	-7.31	
1527.00	8.100	289.220	1522.44	-48.94	29.04	-68.08	1700172.59	14308754.92	39°24'10.9696"N	80°47'18.4594"W	74.01	293.102	0.55	0.07	-3.92	
1621.00	8.460	295.650	1615.46	-57.77	34.21	-80.57	1700160.11	14308760.09	39°24'11.0210"N	80°47'18.6183"W	87.53	293.010	1.06	0.38	6.84	
1716.00	10.950	302.310	1709.10	-69.59	42.06	-94.49	1700146.18	14308767.94	39°24'11.0989"N	80°47'18.7955"W	103.43	293.996	2.87	2.62	7.01	
1810.00	11.820	300.890	1801.25	-83.78	51.78	-110.30	1700130.38	14308777.65	39°24'11.1953"N	80°47'18.9966"W	121.85	295.147	0.97	0.93	-1.51	



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Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

WELLPATH DATA (216 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
1905.00	11.290	296.020	1894.32	-97.64	60.85	-127.01	1700113.68	14308786.72	39°24'11.2854"N	80°47'19.2092"W	140.83	295.600	1.17	-0.56	-5.13	
2000.00	10.100	288.640	1987.67	-109.14	67.60	-143.26	1700097.44	14308793.46	39°24'11.3524"N	80°47'19.4160"W	158.41	295.260	1.91	-1.25	-7.77	
2095.00	10.310	288.490	2081.17	-119.23	72.95	-159.21	1700081.49	14308798.82	39°24'11.4057"N	80°47'19.6191"W	175.13	294.618	0.22	0.22	-0.16	
2189.00	11.750	296.290	2173.44	-130.99	79.86	-175.77	1700064.93	14308805.72	39°24'11.4744"N	80°47'19.8298"W	193.07	294.434	2.20	1.53	8.30	
2284.00	10.470	291.020	2266.66	-143.25	87.24	-192.51	1700048.21	14308813.10	39°24'11.5477"N	80°47'20.0428"W	211.35	294.380	1.72	-1.35	-5.55	
2378.00	9.050	288.080	2359.30	-153.04	92.60	-207.51	1700033.22	14308818.45	39°24'11.6010"N	80°47'20.2337"W	227.23	294.049	1.60	-1.51	-3.13	
2473.00	8.340	293.880	2453.21	-162.10	97.71	-220.91	1700019.82	14308823.56	39°24'11.6518"N	80°47'20.4043"W	241.55	293.860	1.19	-0.75	6.11	
2566.00	9.230	299.270	2545.12	-172.13	104.09	-233.58	1700007.15	14308829.93	39°24'11.7151"N	80°47'20.5656"W	255.73	294.018	1.30	0.96	5.80	
2645.00	9.370	299.440	2623.08	-181.57	110.34	-244.71	1699996.03	14308836.19	39°24'11.7772"N	80°47'20.7071"W	268.44	294.271	0.18	0.18	0.22	BH NaviTrak <8-3/4">(2566')(2645'-5576')
2739.00	9.650	299.040	2715.78	-193.02	117.93	-258.26	1699982.48	14308843.77	39°24'11.8525"N	80°47'20.8795"W	283.91	294.543	0.31	0.30	-0.43	
2834.00	11.270	295.140	2809.20	-205.26	125.74	-273.63	1699967.12	14308851.58	39°24'11.9300"N	80°47'21.0751"W	301.14	294.680	1.86	1.71	-4.11	
2928.00	10.230	289.470	2901.56	-216.69	132.42	-289.82	1699950.94	14308858.26	39°24'11.9965"N	80°47'21.2811"W	318.64	294.557	1.58	-1.11	-6.03	
3022.00	9.240	297.730	2994.21	-227.23	138.72	-304.37	1699936.39	14308864.55	39°24'12.0590"N	80°47'21.4662"W	334.49	294.502	1.82	-1.05	8.79	
3117.00	10.790	302.600	3087.76	-239.62	147.06	-318.61	1699922.16	14308872.89	39°24'12.1418"N	80°47'21.6474"W	350.91	294.776	1.86	1.63	5.13	
3212.00	11.960	303.700	3180.89	-254.27	157.31	-334.29	1699906.48	14308883.14	39°24'12.2435"N	80°47'21.8469"W	369.46	295.201	1.25	1.23	1.16	
3306.00	12.560	301.140	3272.75	-269.71	168.00	-351.14	1699889.64	14308893.83	39°24'12.3495"N	80°47'22.0613"W	389.26	295.568	0.86	0.64	-2.72	
3401.00	16.150	303.410	3364.77	-287.93	180.62	-371.02	1699869.77	14308906.44	39°24'12.4747"N	80°47'22.3141"W	412.65	295.958	3.82	3.78	2.39	
3495.00	14.880	313.130	3455.35	-308.80	196.08	-390.75	1699850.05	14308921.89	39°24'12.6279"N	80°47'22.5649"W	437.18	296.648	3.07	-1.35	10.34	
3590.00	12.380	316.940	3547.67	-328.76	211.86	-406.60	1699834.20	14308937.66	39°24'12.7843"N	80°47'22.7665"W	458.49	297.522	2.79	-2.63	4.01	
3684.00	9.370	307.950	3639.98	-344.27	223.93	-419.52	1699821.29	14308949.73	39°24'12.9039"N	80°47'22.9307"W	475.54	298.092	3.67	-3.20	-9.56	
3779.00	9.630	305.450	3733.68	-357.11	233.29	-432.09	1699808.72	14308959.09	39°24'12.9967"N	80°47'23.0905"W	491.05	298.365	0.51	0.27	-2.63	
3874.00	9.350	309.380	3827.38	-370.04	242.80	-444.53	1699796.29	14308968.59	39°24'13.0910"N	80°47'23.2487"W	506.52	298.643	0.74	-0.29	4.14	
3968.00	8.040	301.800	3920.30	-381.53	251.11	-456.02	1699784.80	14308976.90	39°24'13.1733"N	80°47'23.3948"W	520.59	298.840	1.85	-1.39	-8.06	
4062.00	8.650	297.000	4013.31	-391.60	257.78	-467.91	1699772.92	14308983.57	39°24'13.2396"N	80°47'23.5460"W	534.22	298.852	0.98	0.65	-5.11	
4157.00	8.450	292.930	4107.25	-401.28	263.75	-480.70	1699760.13	14308989.53	39°24'13.2988"N	80°47'23.7088"W	548.30	298.752	0.67	-0.21	-4.28	
4253.00	7.780	292.230	4202.29	-410.15	268.95	-493.21	1699747.63	14308994.73	39°24'13.3505"N	80°47'23.8681"W	561.78	298.604	0.71	-0.70	-0.73	
4347.00	7.950	297.130	4295.41	-418.91	274.32	-504.89	1699735.96	14309000.10	39°24'13.4039"N	80°47'24.0166"W	574.60	298.517	0.74	0.18	5.21	
4442.00	8.820	296.070	4389.39	-428.68	280.52	-517.27	1699723.57	14309006.30	39°24'13.4654"N	80°47'24.1743"W	588.44	298.471	0.93	0.92	-1.12	
4537.00	5.300	293.420	4483.65	-436.70	285.47	-527.85	1699713.00	14309011.24	39°24'13.5146"N	80°47'24.3088"W	600.09	298.405	3.72	-3.71	-2.79	
4632.00	8.340	288.290	4577.97	-443.72	289.37	-538.42	1699702.44	14309015.15	39°24'13.5534"N	80°47'24.4434"W	611.25	298.256	3.26	3.20	-5.40	



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Slot	Slot #02		

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4726.00	10.140	295.010	4670.75	-453.46	295.01	-552.39	1699688.47	14309020.78	39°24'13.6095"N	80°47'24.6212"W	626.23	298.105	2.23	1.91	7.15	
4821.00	8.490	312.400	4764.51	-465.32	303.28	-565.15	1699675.71	14309029.05	39°24'13.6915"N	80°47'24.7835"W	641.38	298.219	3.42	-1.74	18.31	
4916.00	8.650	313.140	4858.45	-477.70	312.89	-575.54	1699665.33	14309038.66	39°24'13.7867"N	80°47'24.9156"W	655.09	298.531	0.20	0.17	0.78	
5009.00	9.670	304.030	4950.27	-490.03	322.05	-587.12	1699653.75	14309047.81	39°24'13.8775"N	80°47'25.0628"W	669.64	298.746	1.90	1.10	-9.80	
5103.00	8.320	302.310	5043.11	-501.53	330.10	-599.41	1699641.47	14309055.86	39°24'13.9573"N	80°47'25.2192"W	684.29	298.842	1.46	-1.44	-1.83	
5198.00	9.020	293.760	5137.03	-511.83	336.77	-612.04	1699628.85	14309062.53	39°24'14.0236"N	80°47'25.3798"W	698.57	298.822	1.54	0.74	-9.00	
5292.00	10.010	288.980	5229.74	-521.72	342.40	-626.51	1699614.38	14309068.15	39°24'14.0795"N	80°47'25.5640"W	713.97	298.658	1.35	1.05	-5.09	
5387.00	10.380	298.820	5323.25	-532.98	349.20	-641.80	1699599.10	14309074.95	39°24'14.1471"N	80°47'25.7586"W	730.65	298.551	1.87	0.37	10.36	
5481.00	8.580	299.460	5415.96	-544.36	356.73	-655.31	1699585.59	14309082.47	39°24'14.2218"N	80°47'25.9305"W	746.11	298.562	1.90	-1.89	0.68	
5576.00	7.940	292.320	5509.98	-553.88	362.70	-667.55	1699573.35	14309088.45	39°24'14.2812"N	80°47'26.0862"W	759.72	298.517	1.27	-0.67	-7.52	
5627.00	7.520	290.810	5560.52	-558.27	365.23	-673.93	1699566.98	14309090.97	39°24'14.3062"N	80°47'26.1674"W	766.53	298.455	0.91	-0.82	-2.96	BH AT Curve <8-1/2">(5576')(5627'-18365')
5681.00	7.280	285.210	5614.07	-562.39	367.38	-680.53	1699560.38	14309093.12	39°24'14.3277"N	80°47'26.2515"W	773.37	298.362	1.41	-0.44	-10.37	
5776.00	8.240	250.060	5708.25	-565.52	366.64	-692.75	1699548.17	14309092.38	39°24'14.3206"N	80°47'26.4071"W	783.79	297.890	5.01	1.01	-37.00	
5870.00	10.360	223.030	5801.05	-561.27	358.16	-704.86	1699536.07	14309083.90	39°24'14.2371"N	80°47'26.5616"W	790.63	296.936	5.10	2.26	-28.76	
5964.00	15.390	203.940	5892.70	-547.96	340.56	-715.70	1699525.23	14309066.31	39°24'14.0634"N	80°47'26.7002"W	792.59	295.447	6.94	5.35	-20.31	
6059.00	23.520	191.280	5982.24	-522.08	310.38	-724.54	1699516.39	14309036.15	39°24'13.7654"N	80°47'26.8138"W	788.22	293.190	9.59	8.56	-13.33	
6154.00	31.460	186.250	6066.45	-482.98	267.08	-730.96	1699509.98	14308992.86	39°24'13.3375"N	80°47'26.8968"W	778.22	290.071	8.70	8.36	-5.29	
6249.00	38.880	181.080	6144.07	-432.22	212.54	-734.22	1699506.71	14308938.34	39°24'12.7985"N	80°47'26.9400"W	764.36	286.144	8.41	7.81	-5.44	
6274.00†	41.176	179.311	6163.22	-416.97	196.46	-734.27	1699506.66	14308922.27	39°24'12.6396"N	80°47'26.9411"W	760.10	284.979	10.25	9.18	-7.07	Middlesex: 6274' MD
6343.00	47.630	175.170	6212.50	-370.47	148.29	-731.85	1699509.08	14308874.12	39°24'12.1634"N	80°47'26.9117"W	746.72	281.454	10.25	9.35	-6.00	
6438.00	56.270	170.320	6271.02	-297.11	74.21	-722.23	1699518.70	14308800.07	39°24'11.4311"N	80°47'26.7913"W	726.03	275.867	9.94	9.09	-5.11	
6492.00†	60.805	171.061	6299.20	-251.63	28.77	-714.79	1699526.14	14308754.64	39°24'10.9818"N	80°47'26.6979"W	715.37	272.305	8.48	8.40	1.37	Burkett: 6492' MD
6533.00	64.250	171.580	6318.11	-215.77	-7.19	-709.30	1699531.62	14308718.70	39°24'10.6263"N	80°47'26.6290"W	709.34	269.419	8.48	8.40	1.27	
6555.00†	65.176	171.362	6327.50	-196.17	-26.86	-706.35	1699534.57	14308699.04	39°24'10.4318"N	80°47'26.5920"W	706.86	267.822	4.30	4.21	-0.99	Tully: 6555' MD
6628.00	68.250	170.660	6356.36	-130.00	-93.08	-695.87	1699545.05	14308632.85	39°24'9.7770"N	80°47'26.4605"W	702.07	262.381	4.30	4.21	-0.96	
6652.00†	70.021	170.175	6364.91	-107.84	-115.19	-692.14	1699548.78	14308610.74	39°24'9.5584"N	80°47'26.4136"W	701.66	260.551	7.62	7.38	-2.02	Hamilton: 6652' MD
6675.00	71.720	169.720	6372.44	-86.33	-136.59	-688.34	1699552.57	14308589.36	39°24'9.3469"N	80°47'26.3659"W	701.76	258.777	7.62	7.39	-1.98	
6688.00†	73.072	169.551	6376.38	-74.06	-148.78	-686.11	1699554.80	14308577.17	39°24'9.2263"N	80°47'26.3378"W	702.06	257.765	10.48	10.40	-1.30	Marcellus POE: 6688' MD
6722.00	76.610	169.120	6385.27	-41.54	-181.02	-680.04	1699560.87	14308544.94	39°24'8.9075"N	80°47'26.2614"W	703.72	255.094	10.48	10.40	-1.27	
6769.00	82.070	168.380	6393.96	4.28	-226.31	-671.03	1699569.88	14308499.67	39°24'8.4598"N	80°47'26.1480"W	708.16	251.363	11.72	11.62	-1.57	



Actual Wellpath Report

Stampede Unit 3H AWP Proj: 18390'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

WELLPATH DATA (216 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
6816.00	86.000	167.480	6398.84	50.75	-272.01	-661.26	1699579.65	14308453.99	39°24'8.0078"N	80°47'26.0248"W	715.02	247.640	8.58	8.36	-1.91	
6863.00	89.050	168.020	6400.87	97.44	-317.89	-651.30	1699589.60	14308408.13	39°24'7.5541"N	80°47'25.8993"W	724.73	243.984	6.59	6.49	1.15	
6911.00	89.420	169.130	6401.51	145.09	-364.93	-641.79	1699599.11	14308361.10	39°24'7.0890"N	80°47'25.7796"W	738.29	240.377	2.44	0.77	2.31	
7005.00	89.690	169.130	6402.24	238.30	-457.24	-624.06	1699616.83	14308268.83	39°24'6.1762"N	80°47'25.5565"W	773.64	233.770	0.29	0.29	0.00	
7100.00	89.510	167.790	6402.90	332.63	-550.32	-605.06	1699635.82	14308175.79	39°24'5.2559"N	80°47'25.3172"W	817.89	227.713	1.42	-0.19	-1.41	
7195.00	89.510	165.630	6403.72	427.26	-642.77	-583.22	1699657.65	14308083.38	39°24'4.3417"N	80°47'25.0417"W	867.93	222.219	2.27	0.00	-2.27	
7290.00	90.090	163.640	6404.05	522.13	-734.36	-558.05	1699682.81	14307991.82	39°24'3.4358"N	80°47'24.7238"W	922.34	217.232	2.18	0.61	-2.09	
7385.00	89.820	158.530	6404.12	617.10	-824.20	-527.27	1699713.58	14307902.01	39°24'2.5471"N	80°47'24.3343"W	978.43	212.608	5.39	-0.28	-5.38	
7479.00	89.350	156.380	6404.80	710.83	-911.01	-491.23	1699749.61	14307815.24	39°24'1.6883"N	80°47'23.8778"W	1035.01	208.334	2.34	-0.50	-2.29	
7574.00	88.890	154.870	6406.26	805.28	-997.53	-452.03	1699788.79	14307728.75	39°24'0.8323"N	80°47'23.3810"W	1095.17	204.377	1.66	-0.48	-1.59	
7669.00	89.540	157.870	6407.56	899.85	-1084.55	-413.96	1699826.85	14307641.77	39°23'59.9714"N	80°47'22.8986"W	1160.86	200.891	3.23	0.68	3.16	
7764.00	89.380	157.700	6408.46	994.62	-1172.49	-378.04	1699862.75	14307553.86	39°23'59.1014"N	80°47'22.4437"W	1231.93	197.871	0.25	-0.17	-0.18	
7859.00	89.450	157.660	6409.43	1089.38	-1260.37	-341.96	1699898.81	14307466.02	39°23'58.2320"N	80°47'21.9868"W	1305.94	195.180	0.08	0.07	-0.04	
7953.00	89.540	158.850	6410.26	1183.20	-1347.68	-307.14	1699933.62	14307378.75	39°23'57.3683"N	80°47'21.5458"W	1382.23	192.839	1.27	0.10	1.27	
8047.00	90.030	160.990	6410.61	1277.15	-1435.96	-274.87	1699965.88	14307290.50	39°23'56.4950"N	80°47'21.1373"W	1462.03	190.836	2.34	0.52	2.28	
8141.00	90.250	157.750	6410.38	1371.06	-1523.92	-241.76	1699998.98	14307202.58	39°23'55.6249"N	80°47'20.7181"W	1542.97	189.014	3.45	0.23	-3.45	
8236.00	89.570	157.380	6410.53	1465.81	-1611.73	-205.50	1700035.22	14307114.81	39°23'54.7562"N	80°47'20.2589"W	1624.77	187.266	0.81	-0.72	-0.39	
8331.00	89.570	158.920	6411.24	1560.62	-1699.90	-170.15	1700070.56	14307026.67	39°23'53.8840"N	80°47'19.8112"W	1708.39	185.716	1.62	0.00	1.62	
8426.00	89.510	161.930	6412.01	1655.58	-1789.39	-138.32	1700102.37	14306937.21	39°23'52.9987"N	80°47'19.4085"W	1794.73	184.420	3.17	-0.06	3.17	
8521.00	89.540	164.010	6412.79	1750.55	-1880.22	-110.50	1700130.18	14306846.42	39°23'52.1004"N	80°47'19.0568"W	1883.46	183.363	2.19	0.03	2.19	
8616.00	89.660	164.830	6413.46	1845.44	-1971.73	-84.99	1700155.69	14306754.95	39°23'51.1954"N	80°47'18.7345"W	1973.56	182.468	0.87	0.13	0.86	
8710.00	89.850	166.260	6413.86	1939.23	-2062.75	-61.52	1700179.14	14306663.96	39°23'50.2952"N	80°47'18.4383"W	2063.66	181.708	1.53	0.20	1.52	
8805.00	90.370	165.180	6413.68	2034.00	-2154.81	-38.09	1700202.56	14306571.94	39°23'49.3848"N	80°47'18.1426"W	2155.15	181.013	1.26	0.55	-1.14	
8899.00	90.150	160.730	6413.25	2127.95	-2244.66	-10.54	1700230.10	14306482.13	39°23'48.4961"N	80°47'17.7944"W	2244.68	180.269	4.74	-0.23	-4.73	
8993.00	89.570	160.370	6413.48	2221.93	-2333.29	20.76	1700261.39	14306393.53	39°23'47.6194"N	80°47'17.3984"W	2333.38	179.490	0.73	-0.62	-0.38	
9088.00	89.570	159.310	6414.19	2316.87	-2422.47	53.50	1700294.11	14306304.39	39°23'46.7373"N	80°47'16.9840"W	2423.06	178.735	1.12	0.00	-1.12	
9183.00	89.570	160.180	6414.91	2411.81	-2511.59	86.38	1700326.99	14306215.30	39°23'45.8557"N	80°47'16.5677"W	2513.07	178.030	0.92	0.00	0.92	
9277.00	89.570	162.880	6415.61	2505.80	-2600.74	116.16	1700356.75	14306126.19	39°23'44.9739"N	80°47'16.1911"W	2603.33	177.443	2.87	0.00	2.87	
9372.00	89.450	164.400	6416.42	2600.74	-2691.88	142.92	1700383.50	14306035.08	39°23'44.0724"N	80°47'15.8530"W	2695.68	176.961	1.60	-0.13	1.60	
9466.00	89.540	165.410	6417.25	2694.59	-2782.64	167.40	1700407.97	14305944.36	39°23'43.1749"N	80°47'15.5440"W	2787.67	176.557	1.08	0.10	1.07	



Actual Wellpath Report

Stampede Unit 3H AWP Proj: 18390'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

WELLPATH DATA (216 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
9561.00	89.750	165.430	6417.84	2789.39	-2874.57	191.31	1700431.87	14305852.46	39°23'42.2656"N	80°47'15.2421"W	2880.93	176.192	0.22	0.22	0.02	
9656.00	89.510	164.560	6418.45	2884.23	-2966.33	215.90	1700456.46	14305760.74	39°23'41.3582"N	80°47'14.9316"W	2974.18	175.837	0.95	-0.25	-0.92	
9751.00	89.510	164.150	6419.27	2979.13	-3057.81	241.52	1700482.07	14305669.30	39°23'40.4535"N	80°47'14.6080"W	3067.33	175.484	0.43	0.00	-0.43	
9846.00	89.630	162.880	6419.98	3074.07	-3148.90	268.48	1700509.01	14305578.24	39°23'39.5525"N	80°47'14.2674"W	3160.32	175.127	1.34	0.13	-1.34	
9941.00	89.570	159.970	6420.64	3169.06	-3238.94	298.74	1700539.26	14305488.24	39°23'38.6619"N	80°47'13.8847"W	3252.69	174.730	3.06	-0.06	-3.06	
10035.00	89.510	161.320	6421.40	3263.04	-3327.62	329.89	1700570.40	14305399.59	39°23'37.7847"N	80°47'13.4906"W	3343.93	174.338	1.44	-0.06	1.44	
10129.00	89.420	163.060	6422.28	3357.03	-3417.11	358.64	1700599.13	14305310.14	39°23'36.8996"N	80°47'13.1271"W	3435.88	174.009	1.85	-0.10	1.85	
10224.00	89.540	165.850	6423.14	3451.91	-3508.62	384.09	1700624.58	14305218.66	39°23'35.9945"N	80°47'12.8056"W	3529.58	173.753	2.94	0.13	2.94	
10318.00	89.690	167.760	6423.77	3545.53	-3600.13	405.55	1700646.03	14305127.19	39°23'35.0896"N	80°47'12.5350"W	3622.90	173.573	2.04	0.16	2.03	
10413.00	89.820	167.050	6424.18	3640.06	-3692.85	426.26	1700666.73	14305034.51	39°23'34.1728"N	80°47'12.2740"W	3717.37	173.416	0.76	0.14	-0.75	
10507.00	89.480	164.230	6424.75	3733.83	-3783.90	449.57	1700690.04	14304943.50	39°23'33.2723"N	80°47'11.9798"W	3810.51	173.224	3.02	-0.36	-3.00	
10602.00	89.540	160.750	6425.56	3828.80	-3874.48	478.15	1700718.60	14304852.95	39°23'32.3764"N	80°47'11.6185"W	3903.87	172.965	3.66	0.06	-3.66	
10696.00	89.170	156.490	6426.62	3922.63	-3961.98	512.41	1700752.85	14304765.48	39°23'31.5107"N	80°47'11.1848"W	3994.98	172.631	4.55	-0.39	-4.53	
10791.00	89.110	156.880	6428.05	4017.26	-4049.22	550.00	1700790.43	14304678.28	39°23'30.6477"N	80°47'10.7086"W	4086.40	172.265	0.42	-0.06	0.41	
10885.00	89.140	159.210	6429.48	4111.05	-4136.38	585.14	1700825.55	14304591.15	39°23'29.7853"N	80°47'10.2637"W	4177.57	171.948	2.48	0.03	2.48	
10979.00	89.110	160.340	6430.92	4204.98	-4224.58	617.63	1700858.03	14304502.99	39°23'28.9129"N	80°47'9.8525"W	4269.49	171.682	1.20	-0.03	1.20	
11074.00	89.320	159.840	6432.22	4299.94	-4313.89	649.98	1700890.36	14304413.72	39°23'28.0294"N	80°47'9.4432"W	4362.58	171.432	0.57	0.22	-0.53	
11168.00	89.230	159.860	6433.41	4393.88	-4402.13	682.36	1700922.73	14304325.51	39°23'27.1566"N	80°47'9.0334"W	4454.70	171.189	0.10	-0.10	0.02	
11263.00	89.230	159.030	6434.69	4488.79	-4491.07	715.71	1700956.07	14304236.60	39°23'26.2767"N	80°47'8.6113"W	4547.74	170.945	0.87	0.00	-0.87	
11357.00	89.230	158.920	6435.95	4582.68	-4578.81	749.44	1700989.78	14304148.91	39°23'25.4088"N	80°47'8.1845"W	4639.73	170.705	0.12	0.00	-0.12	
11452.00	89.290	159.110	6437.18	4677.57	-4667.50	783.45	1701023.78	14304060.25	39°23'24.5314"N	80°47'7.7539"W	4732.79	170.472	0.21	0.06	0.20	
11546.00	89.290	161.310	6438.34	4771.52	-4755.93	815.28	1701055.59	14303971.85	39°23'23.6566"N	80°47'7.3513"W	4825.31	170.273	2.34	0.00	2.34	
11641.00	89.510	164.310	6439.34	4866.49	-4846.67	843.35	1701083.65	14303881.14	39°23'22.7591"N	80°47'6.9965"W	4919.50	170.129	3.17	0.23	3.16	
11736.00	89.420	165.910	6440.22	4961.31	-4938.48	867.76	1701108.05	14303789.38	39°23'21.8512"N	80°47'6.6883"W	5014.14	170.034	1.69	-0.09	1.68	
11830.00	89.450	168.640	6441.15	5054.86	-5030.16	888.46	1701128.75	14303697.74	39°23'20.9446"N	80°47'6.4274"W	5108.02	169.983	2.90	0.03	2.90	
11925.00	90.060	167.160	6441.56	5149.30	-5123.04	908.37	1701148.65	14303604.89	39°23'20.0261"N	80°47'6.1766"W	5202.95	169.945	1.69	0.64	-1.56	
12019.00	90.150	167.210	6441.38	5242.87	-5214.70	929.22	1701169.49	14303513.27	39°23'19.1197"N	80°47'5.9139"W	5296.84	169.896	0.11	0.10	0.05	
12114.00	90.340	165.000	6440.98	5337.58	-5306.91	952.03	1701192.30	14303421.09	39°23'18.2078"N	80°47'5.6261"W	5391.63	169.830	2.33	0.20	-2.33	
12209.00	90.370	162.170	6440.39	5432.52	-5398.03	978.88	1701219.13	14303330.01	39°23'17.3066"N	80°47'5.2870"W	5486.07	169.722	2.98	0.03	-2.98	
12303.00	91.450	155.950	6438.90	5526.36	-5485.77	1012.45	1701252.89	14303242.31	39°23'16.4387"N	80°47'4.8621"W	5578.41	169.543	6.72	1.15	-6.62	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

WELLPATH DATA (216 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
12397.00	90.250	153.760	6437.50	5619.67	-5570.84	1052.38	1701292.61	14303157.26	39°23'15.5969"N	80°47'4.3561"W	5669.37	169.302	2.66	-1.28	-2.33	
12491.00	90.250	156.320	6437.09	5713.03	-5656.06	1092.05	1701332.25	14303072.09	39°23'14.7537"N	80°47'3.8535"W	5760.51	169.072	2.72	0.00	2.72	
12586.00	90.340	161.210	6436.60	5807.87	-5744.58	1126.44	1701366.64	14302983.60	39°23'13.8780"N	80°47'3.4181"W	5853.98	168.906	5.15	0.09	5.15	
12681.00	89.720	162.540	6436.55	5902.87	-5834.86	1156.00	1701396.18	14302893.35	39°23'12.9850"N	80°47'3.0445"W	5948.27	168.794	1.54	-0.65	1.40	
12775.00	89.750	163.200	6436.99	5996.85	-5924.69	1183.68	1701423.85	14302803.56	39°23'12.0965"N	80°47'2.6946"W	6041.78	168.702	0.70	0.03	0.70	
12870.00	89.750	162.990	6437.40	6091.82	-6015.58	1211.31	1701451.47	14302712.70	39°23'11.1975"N	80°47'2.3455"W	6136.33	168.615	0.22	0.00	-0.22	
12965.00	89.780	163.300	6437.79	6186.79	-6106.50	1238.85	1701479.00	14302621.82	39°23'10.2983"N	80°47'1.9975"W	6230.90	168.532	0.33	0.03	0.33	
13060.00	90.310	165.040	6437.72	6281.70	-6197.89	1264.77	1701504.90	14302530.46	39°23'9.3944"N	80°47'1.6702"W	6325.62	168.466	1.91	0.56	1.83	
13155.00	90.310	166.550	6437.20	6376.45	-6289.99	1288.08	1701528.21	14302438.41	39°23'8.4836"N	80°47'1.3761"W	6420.52	168.427	1.59	0.00	1.59	
13249.00	90.250	166.470	6436.74	6470.12	-6381.39	1310.01	1701550.12	14302347.04	39°23'7.5797"N	80°47'1.0997"W	6514.47	168.399	0.11	-0.06	-0.09	
13344.00	90.280	162.390	6436.30	6564.99	-6472.88	1335.50	1701575.61	14302255.58	39°23'6.6748"N	80°47'0.7778"W	6609.22	168.342	4.29	0.03	-4.29	
13438.00	90.430	163.150	6435.72	6658.97	-6562.66	1363.34	1701603.44	14302165.84	39°23'5.7868"N	80°47'0.4259"W	6702.78	168.264	0.82	0.16	0.81	
13533.00	90.460	160.970	6434.98	6753.96	-6653.04	1392.60	1701632.69	14302075.50	39°23'4.8929"N	80°47'0.0560"W	6797.22	168.178	2.29	0.03	-2.29	
13627.00	90.340	159.520	6434.33	6847.93	-6741.50	1424.37	1701664.45	14301987.07	39°23'4.0178"N	80°46'59.6541"W	6890.33	168.070	1.55	-0.13	-1.54	
13721.00	90.370	156.970	6433.74	6941.75	-6828.80	1459.21	1701699.27	14301899.81	39°23'3.1542"N	80°46'59.2131"W	6982.96	167.938	2.71	0.03	-2.71	
13816.00	90.370	157.250	6433.13	7036.44	-6916.31	1496.16	1701736.20	14301812.33	39°23'2.2884"N	80°46'58.7452"W	7076.29	167.794	0.29	0.00	0.29	
13910.00	90.490	158.830	6432.42	7130.24	-7003.49	1531.31	1701771.34	14301725.19	39°23'1.4259"N	80°46'58.3002"W	7168.94	167.666	1.69	0.13	1.68	
13942.00	90.250	159.580	6432.22	7162.21	-7033.40	1542.67	1701782.70	14301695.29	39°23'1.1300"N	80°46'58.1565"W	7200.60	167.629	2.46	-0.75	2.34	
14036.00	90.520	161.660	6431.59	7256.18	-7122.07	1573.86	1701813.87	14301606.65	39°23'0.2529"N	80°46'57.7620"W	7293.90	167.539	2.23	0.29	2.21	
14131.00	90.490	162.350	6430.75	7351.18	-7212.42	1603.21	1701843.21	14301516.34	39°22'59.3593"N	80°46'57.3910"W	7388.45	167.468	0.73	-0.03	0.73	
14225.00	90.520	161.340	6429.92	7445.17	-7301.73	1632.49	1701872.48	14301427.06	39°22'58.4758"N	80°46'57.0207"W	7482.00	167.397	1.07	0.03	-1.07	
14320.00	90.890	160.310	6428.75	7540.15	-7391.46	1663.69	1701903.67	14301337.38	39°22'57.5883"N	80°46'56.6261"W	7576.38	167.315	1.15	0.39	-1.08	
14415.00	90.550	156.770	6427.56	7634.98	-7479.85	1698.44	1701938.41	14301249.02	39°22'56.7138"N	80°46'56.1863"W	7670.26	167.207	3.74	-0.36	-3.73	
14510.00	90.030	155.950	6427.08	7729.57	-7566.87	1736.54	1701976.48	14301162.03	39°22'55.8528"N	80°46'55.7039"W	7763.58	167.075	1.02	-0.55	-0.86	
14604.00	90.030	156.820	6427.03	7823.16	-7653.00	1774.19	1702014.12	14301075.93	39°22'55.0007"N	80°46'55.2270"W	7855.96	166.948	0.93	0.00	0.93	
14698.00	89.600	159.500	6427.33	7916.97	-7740.25	1809.16	1702049.08	14300988.72	39°22'54.1375"N	80°46'54.7844"W	7948.86	166.844	2.89	-0.46	2.85	
14792.00	90.090	162.470	6427.59	8010.95	-7829.11	1839.78	1702079.69	14300899.90	39°22'53.2586"N	80°46'54.3971"W	8042.37	166.776	3.20	0.52	3.16	
14887.00	90.180	161.700	6427.36	8105.95	-7919.50	1869.00	1702108.90	14300809.54	39°22'52.3645"N	80°46'54.0278"W	8137.05	166.721	0.82	0.09	-0.81	
14981.00	90.250	161.220	6427.01	8199.95	-8008.62	1898.89	1702138.77	14300720.46	39°22'51.4829"N	80°46'53.6499"W	8230.66	166.661	0.52	0.07	-0.51	
15076.00	90.180	161.880	6426.65	8294.95	-8098.74	1928.96	1702168.83	14300630.38	39°22'50.5915"N	80°46'53.2698"W	8325.29	166.603	0.70	-0.07	0.69	



Actual Wellpath Report

Stampede Unit 3H AWP Proj: 18390'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Stampede Unit 3H
Field	Tyler		API	47-095-02647-0000
Facility	Colorado East Pad		Wellbore	Stampede Unit 3H AWB
Slot	Slot #02			

WELLPATH DATA (216 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
15171.00	90.250	162.810	6426.30	8389.94	-8189.26	1957.77	1702197.63	14300539.89	39°22'49.6962"N	80°46'52.9056"W	8420.02	166.555	0.98	0.07	0.98	
15265.00	90.120	161.450	6425.99	8483.93	-8278.72	1986.61	1702226.46	14300450.46	39°22'48.8113"N	80°46'52.5411"W	8513.75	166.506	1.45	-0.14	-1.45	
15360.00	90.180	160.820	6425.74	8578.93	-8368.62	2017.33	1702257.17	14300360.60	39°22'47.9220"N	80°46'52.1527"W	8608.33	166.447	0.67	0.06	-0.66	
15455.00	89.660	162.370	6425.88	8673.93	-8458.76	2047.32	1702287.15	14300270.50	39°22'47.0304"N	80°46'51.7735"W	8702.99	166.394	1.72	-0.55	1.63	
15550.00	90.000	164.620	6426.16	8768.87	-8549.83	2074.31	1702314.12	14300179.46	39°22'46.1296"N	80°46'51.4326"W	8797.86	166.363	2.40	0.36	2.37	
15644.00	90.000	163.130	6426.16	8862.80	-8640.13	2100.41	1702340.22	14300089.19	39°22'45.2365"N	80°46'51.1030"W	8891.77	166.336	1.59	0.00	-1.59	
15739.00	89.720	162.690	6426.39	8957.78	-8730.94	2128.33	1702368.13	14299998.43	39°22'44.3384"N	80°46'50.7502"W	8986.61	166.300	0.55	-0.29	-0.46	
15833.00	89.910	161.750	6426.69	9051.78	-8820.45	2157.04	1702396.82	14299908.95	39°22'43.4530"N	80°46'50.3875"W	9080.37	166.258	1.02	0.20	-1.00	
15928.00	89.780	161.340	6426.95	9146.78	-8910.56	2187.11	1702426.88	14299818.87	39°22'42.5616"N	80°46'50.0073"W	9175.05	166.209	0.45	-0.14	-0.43	
16023.00	89.970	162.640	6427.16	9241.77	-9000.90	2216.48	1702456.24	14299728.57	39°22'41.6680"N	80°46'49.6361"W	9269.79	166.166	1.38	0.20	1.37	
16118.00	89.880	163.790	6427.28	9336.74	-9091.85	2243.91	1702483.66	14299637.65	39°22'40.7685"N	80°46'49.2895"W	9364.67	166.136	1.21	-0.09	1.21	
16213.00	89.940	164.430	6427.43	9431.65	-9183.22	2269.92	1702509.66	14299546.32	39°22'39.8648"N	80°46'48.9611"W	9459.61	166.116	0.68	0.06	0.67	
16307.00	90.000	163.830	6427.48	9525.57	-9273.64	2295.63	1702535.36	14299455.94	39°22'38.9705"N	80°46'48.6366"W	9553.55	166.096	0.64	0.06	-0.64	
16402.00	89.850	163.180	6427.61	9620.52	-9364.73	2322.60	1702562.32	14299364.89	39°22'38.0696"N	80°46'48.2959"W	9648.45	166.071	0.70	-0.16	-0.68	
16496.00	89.910	162.840	6427.80	9714.50	-9454.63	2350.07	1702589.77	14299275.02	39°22'37.1804"N	80°46'47.9489"W	9742.32	166.041	0.37	0.06	-0.36	
16590.00	90.150	163.250	6427.75	9808.47	-9544.54	2377.48	1702617.18	14299185.15	39°22'36.2911"N	80°46'47.6027"W	9836.19	166.013	0.51	0.26	0.44	
16685.00	90.150	162.360	6427.50	9903.45	-9635.29	2405.57	1702645.25	14299094.43	39°22'35.3935"N	80°46'47.2479"W	9931.04	165.982	0.94	0.00	-0.94	
16780.00	90.060	160.090	6427.33	9998.44	-9725.23	2436.14	1702675.81	14299004.53	39°22'34.5038"N	80°46'46.8613"W	10025.71	165.937	2.39	-0.09	-2.39	
16875.00	90.280	161.220	6427.05	10093.42	-9814.87	2467.61	1702707.27	14298914.93	39°22'33.6171"N	80°46'46.4634"W	10120.31	165.887	1.21	0.23	1.19	
16969.00	90.180	159.490	6426.67	10187.39	-9903.39	2499.21	1702738.85	14298826.44	39°22'32.7414"N	80°46'46.0637"W	10213.87	165.837	1.84	-0.11	-1.84	
17064.00	89.910	158.160	6426.60	10282.27	-9991.98	2533.52	1702773.16	14298737.89	39°22'31.8651"N	80°46'45.6295"W	10308.17	165.772	1.43	-0.28	-1.40	
17159.00	89.820	158.130	6426.82	10377.09	-10080.15	2568.89	1702808.51	14298649.75	39°22'30.9928"N	80°46'45.1819"W	10402.33	165.703	0.10	-0.09	-0.03	
17253.00	90.000	158.910	6426.97	10470.94	-10167.62	2603.31	1702842.91	14298562.32	39°22'30.1274"N	80°46'44.7463"W	10495.60	165.639	0.85	0.19	0.83	
17347.00	89.910	159.600	6427.04	10564.85	-10255.52	2636.60	1702876.20	14298474.45	39°22'29.2578"N	80°46'44.3251"W	10589.02	165.582	0.74	-0.10	0.73	
17442.00	89.940	161.530	6427.17	10659.83	-10345.11	2668.21	1702907.79	14298384.90	39°22'28.3717"N	80°46'43.9254"W	10683.66	165.537	2.03	0.03	2.03	
17536.00	89.880	164.430	6427.31	10753.80	-10434.98	2695.72	1702935.29	14298295.06	39°22'27.4827"N	80°46'43.5779"W	10777.56	165.515	3.09	-0.06	3.09	
17631.00	90.000	165.840	6427.41	10848.63	-10526.80	2720.10	1702959.65	14298203.28	39°22'26.5746"N	80°46'43.2704"W	10872.55	165.512	1.49	0.13	1.48	
17725.00	90.120	167.120	6427.31	10942.30	-10618.19	2742.07	1702981.62	14298111.92	39°22'25.6708"N	80°46'42.9934"W	10966.54	165.520	1.37	0.13	1.36	
17820.00	90.220	166.890	6427.03	11036.89	-10710.76	2763.43	1703002.97	14298019.39	39°22'24.7554"N	80°46'42.7243"W	11061.50	165.533	0.26	0.11	-0.24	
17915.00	90.180	166.250	6426.70	11131.55	-10803.16	2785.50	1703025.03	14297927.03	39°22'23.8416"N	80°46'42.4462"W	11156.49	165.542	0.67	-0.04	-0.67	



Actual Wellpath Report

Stampede Unit 3H AWP Proj: 18390'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

WELLPATH DATA (216 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
18009.00	90.150	165.090	6426.43	11225.32	-10894.23	2808.76	1703048.28	14297835.99	39°22'22.9409"N	80°46'42.1528"W	11250.49	165.543	1.23	-0.03	-1.23	
18104.00	90.180	160.720	6426.16	11320.28	-10985.01	2836.68	1703076.19	14297745.25	39°22'22.0430"N	80°46'41.8001"W	11345.36	165.521	4.60	0.03	-4.60	
18199.00	90.150	159.610	6425.88	11415.24	-11074.37	2868.91	1703108.41	14297655.92	39°22'21.1590"N	80°46'41.3925"W	11439.95	165.476	1.17	-0.03	-1.17	
18294.00	90.180	159.070	6425.61	11510.16	-11163.26	2902.43	1703141.92	14297567.07	39°22'20.2797"N	80°46'40.9685"W	11534.41	165.426	0.57	0.03	-0.57	
18365.00	90.150	158.810	6425.41	11581.08	-11229.52	2927.95	1703167.42	14297500.84	39°22'19.6242"N	80°46'40.6457"W	11604.96	165.386	0.37	-0.04	-0.37	
18390.00‡	90.150	158.810	6425.34	11606.04	-11252.83	2936.98	1703176.45	14297477.54	39°22'19.3936"N	80°46'40.5313"W	11629.79	165.372	0.00	0.00	0.00	Projected MD at TD: 18390' MD

HOLE & CASING SECTIONS - Ref Wellbore: Stampede Unit 3H AWB Ref Wellpath: Stampede Unit 3H AWP Proj: 18390'

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	25.00	105.00	80.00	25.00	105.00	0.00	0.00	-0.16	0.13
17.5in Open Hole	105.00	430.60	325.60	105.00	430.59	-0.16	0.13	-1.92	1.63
13.375in Casing Surface	25.00	430.60	405.60	25.00	430.59	0.00	0.00	-1.92	1.63
12.25in Open Hole	430.60	2640.00	2209.40	430.59	2618.14	-1.92	1.63	109.95	-244.00
9.625in Casing Intermediate	25.00	2619.60	2594.60	25.00	2598.01	0.00	0.00	108.32	-241.12
8.75in Open Hole	2640.00	5642.00	3002.00	2618.14	5575.39	109.95	-244.00	365.90	-675.76
8.5in Open Hole	5642.00	18390.00	12748.00	5575.39	6425.34	365.90	-675.76	-11252.83	2936.98
5.5in Casing Production	25.00	18390.00	18365.00	25.00	6425.34	0.00	0.00	-11252.83	2936.98



Actual Wellpath Report

Stampede Unit 3H AWP Proj: 18390'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Stampede Unit 3H - POE - Rev-4	6381.00	-153.80	-673.05	1699567.85	14308572.16	39°24'9.1765"N	80°47'26.1716"W	point
Stampede Unit 3H - BHL - Rev-3	6407.00	-11288.80	2958.20	1703197.67	14297441.58	39°22'19.0376"N	80°46'40.2622"W	point
Stampede Unit 3H - LP - Rev-4	6407.00	-342.11	-639.85	1699601.05	14308383.91	39°24'7.3145"N	80°47'25.7542"W	point

WELLPATH COMPOSITION - Ref Wellbore: Stampede Unit 3H AWB Ref Wellpath: Stampede Unit 3H AWP Proj: 18390'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.00	380.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2">(100'-380')	Stampede Unit 3H AWB	
380.00	650.00	Gyrodatta 2015 - GC+WIR+DPIPE	02 Gyrodatta MS Gyro <12-1/4">(380')(471'-650')	Stampede Unit 3H AWB	11/16/2019
650.00	2566.00	BH NaviTrak (2019) (Axial)	03 APS EM <12-1/4">(650')(776'-2566')	Stampede Unit 3H AWB	
2566.00	5576.00	BH NaviTrak (2019) (Axial)	04 BH NaviTrak <8-3/4">(2566')(2645'-5576')	Stampede Unit 3H AWB	1/8/2020
5576.00	18390.00	BH AutoTrak Curve (2019) (Short spacing)	05 BH AT Curve <8-1/2">(5576')(5627'-18365')	Stampede Unit 3H AWB	



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Stampede Unit 3H AWP Proj: 18390'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 3H
Field	Tyler	API	47-095-02647-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 3H AWB
Slot	Slot #02		

COMMENTS
<p>Wellpath general comments API: 47-095-02647-0000 BHI Job #: 11013130B Rig: Patterson 342 Duration: 11/15/2020-01/16/2020 Gyrodata MS Gyro <17-1/2">(100'-380') Gyrodata MS Gyro <12-1/4"> (380')(471'-650') APS EM <12-1/4"> (650')(776'-2566') BH NaviTrak <8-3/4">(2566')(2645'-5576') BH AT Curve <8-1/2">(5576')(5627'-18365') Middlesex: 6274' MD Burkett: 6492' MD Tully: 6555' MD Hamilton: 6652' MD Marcellus POE: 6688' MD Projected MD at TD: 18390'</p>