



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

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	1/29/2020 at 4:56:09 PM
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	33.83	-21.33	1700235.36	14308734.38	39°24'10.7650"N	80°47'17.6601"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 #01)	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	161.72°



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WELLPATH DATA (225 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	227.050	0.00	0.00	0.00	0.00	1700235.36	14308734.38	39°24'10.7650"N	80°47'17.6601"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	227.050	25.00	0.00	0.00	0.00	1700235.36	14308734.38	39°24'10.7650"N	80°47'17.6601"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.080	227.050	100.00	0.02	-0.04	-0.04	1700235.32	14308734.34	39°24'10.7647"N	80°47'17.6605"W	0.05	227.050	0.11	0.11	0.00	Gyrodata MS Gyro <17-1/2"> (100'-377')
125.00	0.120	165.420	125.00	0.06	-0.07	-0.04	1700235.32	14308734.31	39°24'10.7643"N	80°47'17.6606"W	0.09	211.405	0.43	0.16	-246.52	
150.00	0.170	134.780	150.00	0.11	-0.12	-0.01	1700235.35	14308734.26	39°24'10.7638"N	80°47'17.6602"W	0.12	185.326	0.36	0.20	-122.56	
175.00	0.190	142.770	175.00	0.19	-0.18	0.04	1700235.40	14308734.20	39°24'10.7632"N	80°47'17.6596"W	0.19	167.759	0.13	0.08	31.96	
200.00	0.140	141.180	200.00	0.25	-0.24	0.08	1700235.44	14308734.14	39°24'10.7627"N	80°47'17.6590"W	0.25	160.724	0.20	-0.20	-6.36	
225.00	0.190	143.960	225.00	0.32	-0.30	0.13	1700235.49	14308734.08	39°24'10.7621"N	80°47'17.6584"W	0.32	156.797	0.20	0.20	11.12	
250.00	0.320	136.200	250.00	0.43	-0.38	0.20	1700235.56	14308734.00	39°24'10.7613"N	80°47'17.6575"W	0.43	152.302	0.54	0.52	-31.04	
275.00	0.290	129.460	275.00	0.54	-0.47	0.30	1700235.66	14308733.91	39°24'10.7604"N	80°47'17.6563"W	0.56	147.788	0.19	-0.12	-26.96	
300.00	0.320	127.590	300.00	0.65	-0.55	0.40	1700235.76	14308733.83	39°24'10.7595"N	80°47'17.6550"W	0.68	144.105	0.13	0.12	-7.48	
325.00	0.390	130.120	325.00	0.78	-0.65	0.52	1700235.88	14308733.73	39°24'10.7586"N	80°47'17.6534"W	0.84	141.333	0.29	0.28	10.12	
350.00	0.390	133.900	350.00	0.93	-0.77	0.65	1700236.01	14308733.61	39°24'10.7574"N	80°47'17.6518"W	1.00	139.760	0.10	0.00	15.12	
375.00	0.360	130.280	375.00	1.07	-0.88	0.77	1700236.13	14308733.50	39°24'10.7564"N	80°47'17.6503"W	1.17	138.697	0.15	-0.12	-14.48	
377.00	0.360	123.680	377.00	1.08	-0.88	0.78	1700236.14	14308733.50	39°24'10.7563"N	80°47'17.6502"W	1.18	138.573	2.07	0.00	-330.00	
467.00	0.380	121.250	467.00	1.53	-1.20	1.27	1700236.63	14308733.19	39°24'10.7532"N	80°47'17.6439"W	1.74	133.258	0.03	0.02	-2.70	Gyrodata MS Gyro <12-1/4"> (377')(467'-738')
557.00	0.400	167.290	556.99	2.07	-1.66	1.59	1700236.95	14308732.72	39°24'10.7486"N	80°47'17.6398"W	2.30	136.094	0.34	0.02	51.16	
648.00	1.380	249.850	647.98	2.42	-2.34	0.64	1700236.00	14308732.04	39°24'10.7419"N	80°47'17.6520"W	2.43	164.831	1.52	1.08	90.73	
738.00	3.310	264.320	737.90	1.89	-2.97	-2.97	1700232.39	14308731.41	39°24'10.7357"N	80°47'17.6980"W	4.20	224.937	2.23	2.14	16.08	
868.00	6.110	271.560	867.45	-1.27	-3.16	-13.62	1700221.74	14308731.22	39°24'10.7341"N	80°47'17.8337"W	13.98	256.948	2.20	2.15	5.57	APS EM <12-1/4"> (738')(868'-2596')
959.00	7.810	272.790	957.78	-5.14	-2.72	-24.64	1700210.73	14308731.66	39°24'10.7387"N	80°47'17.9740"W	24.79	263.690	1.88	1.87	1.35	
1054.00	7.910	275.510	1051.89	-10.10	-1.78	-37.59	1700197.78	14308732.60	39°24'10.7483"N	80°47'18.1390"W	37.63	267.285	0.41	0.11	2.86	
1149.00	9.160	275.160	1145.83	-15.74	-0.47	-51.63	1700183.75	14308733.91	39°24'10.7615"N	80°47'18.3178"W	51.63	269.473	1.32	1.32	-0.37	
1244.00	12.030	275.280	1239.20	-22.71	1.12	-69.02	1700166.36	14308735.50	39°24'10.7777"N	80°47'18.5393"W	69.03	270.927	3.02	3.02	0.13	
1338.00	13.970	268.640	1330.80	-29.93	1.75	-90.12	1700145.27	14308736.13	39°24'10.7844"N	80°47'18.8081"W	90.14	271.112	2.60	2.06	-7.06	
1432.00	14.740	265.760	1421.86	-36.13	0.60	-113.39	1700122.01	14308734.98	39°24'10.7735"N	80°47'19.1046"W	113.39	270.301	1.12	0.82	-3.06	
1527.00	16.440	268.080	1513.36	-42.85	-0.75	-138.88	1700096.53	14308733.63	39°24'10.7609"N	80°47'19.4293"W	138.89	269.691	1.91	1.79	2.44	
1621.00	18.610	274.530	1603.00	-52.41	-0.01	-167.14	1700068.29	14308734.37	39°24'10.7688"N	80°47'19.7892"W	167.14	269.997	3.09	2.31	6.86	
1716.00	19.530	278.200	1692.79	-65.37	3.45	-197.96	1700037.47	14308737.83	39°24'10.8037"N	80°47'20.1818"W	198.00	270.999	1.59	0.97	3.86	
1810.00	19.350	280.030	1781.43	-79.76	8.41	-228.85	1700006.60	14308742.78	39°24'10.8534"N	80°47'20.5752"W	229.01	272.104	0.68	-0.19	1.95	



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Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH DATA (225 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	18.710	280.420	1871.24	-94.54	13.90	-259.34	1699976.13	14308748.28	39°24'10.9084"N	80°47'20.9633"W	259.71	273.069	0.69	-0.67	0.41	
2000.00	16.630	276.740	1961.76	-107.61	18.25	-287.83	1699947.65	14308752.63	39°24'10.9521"N	80°47'21.3261"W	288.40	273.629	2.48	-2.19	-3.87	
2095.00	16.770	275.930	2052.75	-118.98	21.27	-314.96	1699920.53	14308755.64	39°24'10.9825"N	80°47'21.6717"W	315.67	273.863	0.29	0.15	-0.85	
2190.00	19.680	277.650	2142.98	-131.60	24.81	-344.45	1699891.05	14308759.18	39°24'11.0182"N	80°47'22.0473"W	345.34	274.120	3.11	3.06	1.81	
2284.00	19.100	279.890	2231.65	-145.78	29.56	-375.29	1699860.22	14308763.93	39°24'11.0659"N	80°47'22.4400"W	376.45	274.504	1.00	-0.62	2.38	
2379.00	14.440	278.070	2322.58	-158.38	33.90	-402.34	1699833.18	14308768.26	39°24'11.1093"N	80°47'22.7845"W	403.77	274.816	4.94	-4.91	-1.92	
2473.00	14.180	274.680	2413.67	-168.08	36.48	-425.42	1699810.11	14308770.85	39°24'11.1354"N	80°47'23.0784"W	426.98	274.901	0.93	-0.28	-3.61	
2568.00	16.110	273.410	2505.36	-177.49	38.21	-450.18	1699785.36	14308772.58	39°24'11.1531"N	80°47'23.3938"W	451.80	274.852	2.06	2.03	-1.34	
2596.00	16.490	272.180	2532.24	-180.31	38.60	-458.03	1699777.51	14308772.96	39°24'11.1571"N	80°47'23.4938"W	459.65	274.817	1.83	1.36	-4.39	
2679.00	17.240	270.740	2611.67	-188.43	39.20	-482.08	1699753.47	14308773.57	39°24'11.1636"N	80°47'23.8001"W	483.67	274.649	1.00	0.87	-1.73	BH NaviTrak <8-3/4"> (2596')(2679'-5201')
2739.00	17.260	269.460	2668.98	-194.04	39.23	-499.85	1699735.70	14308773.60	39°24'11.1643"N	80°47'24.0266"W	501.39	274.488	0.64	0.08	-2.13	
2834.00	21.360	270.110	2758.62	-203.80	39.13	-531.26	1699704.31	14308773.50	39°24'11.1641"N	80°47'24.4267"W	532.70	274.213	4.32	4.32	0.68	
2928.00	23.630	277.200	2845.47	-217.30	41.53	-567.08	1699668.50	14308775.89	39°24'11.1886"N	80°47'24.8829"W	568.60	274.188	3.76	2.41	7.54	
3023.00	21.130	286.510	2933.34	-235.27	48.78	-602.40	1699633.19	14308783.15	39°24'11.2611"N	80°47'25.3327"W	604.38	274.630	4.56	-2.63	9.80	
3118.00	16.220	290.890	3023.32	-253.44	58.39	-631.24	1699604.37	14308792.74	39°24'11.3567"N	80°47'25.6997"W	633.93	275.285	5.37	-5.17	4.61	
3213.00	14.910	284.360	3114.84	-268.41	66.15	-655.48	1699580.15	14308800.50	39°24'11.4340"N	80°47'26.0082"W	658.81	275.763	2.30	-1.38	-6.87	
3307.00	18.010	273.210	3205.00	-280.26	69.97	-681.71	1699553.92	14308804.32	39°24'11.4723"N	80°47'26.3423"W	685.29	275.860	4.69	3.30	-11.86	
3402.00	21.090	268.750	3294.51	-290.65	70.42	-713.47	1699522.17	14308804.77	39°24'11.4774"N	80°47'26.7469"W	716.94	275.637	3.60	3.24	-4.69	
3496.00	19.220	275.450	3382.76	-301.83	71.52	-745.79	1699489.87	14308805.87	39°24'11.4891"N	80°47'27.1586"W	749.21	275.478	3.16	-1.99	7.13	
3590.00	16.240	281.860	3472.30	-314.66	75.69	-774.07	1699461.60	14308810.04	39°24'11.5309"N	80°47'27.5187"W	777.76	275.585	3.79	-3.17	6.82	
3685.00	11.350	280.010	3564.53	-325.77	80.05	-796.29	1699439.39	14308814.39	39°24'11.5745"N	80°47'27.8016"W	800.30	275.740	5.17	-5.15	-1.95	
3780.00	10.080	264.970	3657.89	-332.11	80.94	-813.78	1699421.91	14308815.29	39°24'11.5838"N	80°47'28.0244"W	817.79	275.680	3.22	-1.34	-15.83	
3875.00	13.280	267.330	3750.91	-336.95	79.71	-832.96	1699402.73	14308814.05	39°24'11.5720"N	80°47'28.2689"W	836.77	275.466	3.41	3.37	2.48	
3970.00	13.740	270.530	3843.28	-343.52	79.30	-855.14	1699380.56	14308813.65	39°24'11.5685"N	80°47'28.5514"W	858.81	275.298	0.92	0.48	3.37	
4065.00	13.810	268.570	3935.55	-350.45	79.12	-877.76	1699357.95	14308813.47	39°24'11.5672"N	80°47'28.8396"W	881.32	275.151	0.50	0.07	-2.06	
4159.00	17.390	274.340	4026.08	-359.11	79.91	-902.99	1699332.73	14308814.25	39°24'11.5756"N	80°47'29.1610"W	906.52	275.057	4.15	3.81	6.14	
4254.00	18.140	275.950	4116.55	-370.64	82.51	-931.86	1699303.87	14308816.86	39°24'11.6020"N	80°47'29.5286"W	935.50	275.060	0.94	0.79	1.69	
4348.00	17.340	277.520	4206.08	-382.74	85.86	-960.30	1699275.44	14308820.21	39°24'11.6358"N	80°47'29.8908"W	964.13	275.109	0.99	-0.85	1.67	
4442.00	16.960	279.280	4295.90	-395.18	89.91	-987.72	1699248.03	14308824.25	39°24'11.6764"N	80°47'30.2400"W	991.80	275.201	0.68	-0.40	1.87	
4537.00	18.570	278.490	4386.37	-408.40	94.38	-1016.36	1699219.41	14308828.72	39°24'11.7212"N	80°47'30.6047"W	1020.73	275.305	1.71	1.69	-0.83	



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4632.00	20.050	274.740	4476.03	-421.59	97.96	-1047.55	1699188.23	14308832.30	39°24'11.7573"N	80°47'31.0020"W	1052.12	275.342	2.03	1.56	-3.95	
4727.00	18.650	275.350	4565.66	-434.04	100.72	-1078.90	1699156.88	14308835.06	39°24'11.7853"N	80°47'31.4013"W	1083.60	275.333	1.49	-1.47	0.64	
4821.00	16.400	274.880	4655.29	-445.29	103.25	-1107.09	1699128.71	14308837.59	39°24'11.8109"N	80°47'31.7603"W	1111.90	275.328	2.40	-2.39	-0.50	
4916.00	13.900	280.760	4746.98	-456.11	106.52	-1131.67	1699104.14	14308840.86	39°24'11.8438"N	80°47'32.0733"W	1136.68	275.377	3.09	-2.63	6.19	
5011.00	13.830	275.080	4839.22	-466.15	109.66	-1154.19	1699081.63	14308843.99	39°24'11.8753"N	80°47'32.3602"W	1159.39	275.427	1.43	-0.07	-5.98	
5105.00	15.100	272.480	4930.24	-474.94	111.18	-1177.62	1699058.21	14308845.52	39°24'11.8909"N	80°47'32.6585"W	1182.86	275.393	1.52	1.35	-2.77	
5201.00	13.950	279.730	5023.18	-484.81	113.68	-1201.52	1699034.32	14308848.01	39°24'11.9161"N	80°47'32.9629"W	1206.88	275.405	2.24	-1.20	7.55	
5240.00	13.680	283.430	5061.05	-489.44	115.54	-1210.64	1699025.20	14308849.88	39°24'11.9348"N	80°47'33.0790"W	1216.14	275.452	2.37	-0.69	9.49	BH AT Curve <8-1/2"> (5201')(5240'-19301')
5334.00	15.610	283.720	5151.99	-501.99	121.12	-1233.74	1699002.11	14308855.46	39°24'11.9905"N	80°47'33.3731"W	1239.67	275.607	2.05	2.05	0.31	
5429.00	16.520	284.000	5243.28	-515.97	127.42	-1259.26	1698976.60	14308861.75	39°24'12.0533"N	80°47'33.6981"W	1265.89	275.778	0.96	0.96	0.29	
5524.00	16.900	282.070	5334.27	-530.17	133.58	-1285.87	1698950.00	14308867.91	39°24'12.1148"N	80°47'34.0369"W	1292.79	275.931	0.71	0.40	-2.03	
5618.00	16.290	279.490	5424.36	-543.21	138.61	-1312.23	1698923.65	14308872.93	39°24'12.1651"N	80°47'34.3726"W	1319.53	276.030	1.02	-0.65	-2.74	
5713.00	16.810	278.130	5515.42	-555.53	142.75	-1338.97	1698896.92	14308877.07	39°24'12.2066"N	80°47'34.7131"W	1346.56	276.085	0.68	0.55	-1.43	
5808.00	16.660	274.100	5606.40	-566.83	145.67	-1366.16	1698869.75	14308879.99	39°24'12.2360"N	80°47'35.0593"W	1373.90	276.086	1.23	-0.16	-4.24	
5903.00	16.430	243.490	5697.64	-570.09	140.63	-1391.81	1698844.10	14308874.96	39°24'12.1869"N	80°47'35.3863"W	1398.90	275.770	9.08	-0.24	-32.22	
5998.00	16.880	217.320	5788.78	-560.36	123.64	-1412.22	1698823.70	14308857.97	39°24'12.0194"N	80°47'35.6468"W	1417.63	275.004	7.85	0.47	-27.55	
6093.00	20.000	199.980	5878.96	-539.79	97.38	-1426.15	1698809.78	14308831.72	39°24'11.7602"N	80°47'35.8250"W	1429.47	273.906	6.61	3.28	-18.25	
6187.00	28.010	191.580	5964.78	-507.97	60.58	-1436.09	1698799.84	14308794.94	39°24'11.3967"N	80°47'35.9527"W	1437.37	272.415	9.24	8.52	-8.94	
6281.00	32.360	180.390	6046.08	-464.94	13.74	-1440.70	1698795.23	14308748.12	39°24'10.9338"N	80°47'36.0128"W	1440.77	270.546	7.55	4.63	-11.90	
6376.00	38.350	172.120	6123.57	-411.79	-40.96	-1436.83	1698799.10	14308693.44	39°24'10.3931"N	80°47'35.9651"W	1437.41	268.367	8.06	6.31	-8.71	
6424.00†	42.689	170.826	6160.05	-381.06	-71.79	-1432.19	1698803.74	14308662.62	39°24'10.0883"N	80°47'35.9069"W	1433.99	267.130	9.21	9.04	-2.70	Middlesex: 6424' MD
6471.00	46.950	169.750	6193.39	-348.30	-104.43	-1426.59	1698809.34	14308629.99	39°24'9.7656"N	80°47'35.8365"W	1430.41	265.813	9.21	9.07	-2.29	
6565.00	55.110	169.600	6252.45	-275.99	-176.27	-1413.50	1698822.42	14308558.18	39°24'9.0553"N	80°47'35.6718"W	1424.45	262.892	8.68	8.68	-0.16	
6612.00	59.480	169.900	6277.84	-236.83	-215.18	-1406.47	1698829.45	14308519.29	39°24'8.6706"N	80°47'35.5833"W	1422.83	261.302	9.31	9.30	0.64	
6641.00†	61.691	169.906	6292.08	-211.83	-240.05	-1402.04	1698833.88	14308494.43	39°24'8.4247"N	80°47'35.5277"W	1422.44	260.284	7.63	7.62	0.02	Burkett: 6641' MD
6660.00	63.140	169.910	6300.88	-195.16	-256.63	-1399.09	1698836.83	14308477.86	39°24'8.2607"N	80°47'35.4905"W	1422.43	259.606	7.63	7.63	0.02	
6706.00†	66.859	168.931	6320.32	-153.86	-297.60	-1391.43	1698844.49	14308436.90	39°24'7.8556"N	80°47'35.3942"W	1422.90	257.927	8.31	8.08	-2.13	Tully: 6706' MD
6707.00	66.940	168.910	6320.71	-152.94	-298.50	-1391.25	1698844.66	14308436.00	39°24'7.8467"N	80°47'35.3920"W	1422.91	257.890	8.31	8.09	-2.07	
6755.00	68.050	167.690	6339.09	-108.89	-341.92	-1382.26	1698853.65	14308392.59	39°24'7.4173"N	80°47'35.2787"W	1423.92	256.106	3.30	2.31	-2.54	
6803.00†	72.115	165.985	6355.43	-63.95	-385.85	-1371.98	1698863.93	14308348.68	39°24'6.9829"N	80°47'35.1490"W	1425.20	254.292	9.10	8.47	-3.55	Hamilton: 6803' MD



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH DATA (225 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
6845.00†	75.685	164.557	6367.08	-23.69	-424.87	-1361.71	1698874.19	14308309.68	39°24'6.5970"N	80°47'35.0194"W	1426.46	252.671	9.10	8.50	-3.40	Marcellus POE: 6845' MD
6850.00	76.110	164.390	6368.30	-18.84	-429.54	-1360.41	1698875.49	14308305.01	39°24'6.5508"N	80°47'35.0030"W	1426.62	252.477	9.10	8.51	-3.34	
6945.00	82.560	162.920	6385.87	74.41	-519.07	-1334.14	1698901.75	14308215.51	39°24'5.6653"N	80°47'34.6709"W	1431.57	248.741	6.96	6.79	-1.55	
7039.00	89.540	159.980	6392.34	168.12	-607.91	-1304.32	1698931.56	14308126.71	39°24'4.7867"N	80°47'34.2936"W	1439.03	245.011	8.05	7.43	-3.13	
7134.00	89.350	158.090	6393.26	263.00	-696.61	-1270.34	1698965.53	14308038.04	39°24'3.9092"N	80°47'33.8633"W	1448.80	241.261	2.00	-0.20	-1.99	
7228.00	89.450	156.360	6394.25	356.71	-783.28	-1233.95	1699001.90	14307951.41	39°24'3.0518"N	80°47'33.4023"W	1461.56	237.594	1.84	0.11	-1.84	
7323.00	89.540	152.320	6395.09	450.90	-868.89	-1192.82	1699043.01	14307865.84	39°24'2.2048"N	80°47'32.8809"W	1475.73	233.929	4.25	0.09	-4.25	
7417.00	88.980	151.240	6396.30	543.48	-951.71	-1148.38	1699087.44	14307783.05	39°24'1.3852"N	80°47'32.3172"W	1491.48	230.350	1.29	-0.60	-1.15	
7512.00	88.800	157.820	6398.14	637.66	-1037.41	-1107.55	1699128.25	14307697.38	39°24'0.5372"N	80°47'31.7997"W	1517.53	226.873	6.93	-0.19	6.93	
7607.00	89.850	164.920	6399.26	732.59	-1127.37	-1077.23	1699158.56	14307607.46	39°23'59.6475"N	80°47'31.4160"W	1559.29	223.697	7.55	1.11	7.47	
7702.00	90.090	167.340	6399.31	827.30	-1219.59	-1054.46	1699181.32	14307515.28	39°23'58.7354"N	80°47'31.1286"W	1612.23	220.847	2.56	0.25	2.55	
7797.00	91.320	165.030	6398.14	922.00	-1311.83	-1031.78	1699203.99	14307423.08	39°23'57.8233"N	80°47'30.8424"W	1668.97	218.186	2.75	1.29	-2.43	
7891.00	90.520	162.720	6396.64	1015.91	-1402.11	-1005.67	1699230.09	14307332.83	39°23'56.9304"N	80°47'30.5126"W	1725.48	215.650	2.60	-0.85	-2.46	
7986.00	88.800	166.820	6397.20	1110.75	-1493.75	-980.72	1699255.03	14307241.23	39°23'56.0241"N	80°47'30.1974"W	1786.93	213.287	4.68	-1.81	4.32	
8081.00	89.850	170.730	6398.32	1205.01	-1586.91	-962.24	1699273.51	14307148.11	39°23'55.1030"N	80°47'29.9647"W	1855.85	211.231	4.26	1.11	4.12	
8176.00	89.750	168.580	6398.65	1299.09	-1680.36	-945.18	1699290.56	14307054.69	39°23'54.1790"N	80°47'29.7501"W	1927.94	209.357	2.27	-0.11	-2.26	
8270.00	89.600	165.870	6399.18	1392.65	-1772.02	-924.40	1699311.33	14306963.07	39°23'53.2725"N	80°47'29.4881"W	1998.64	207.549	2.89	-0.16	-2.88	
8365.00	89.080	161.430	6400.28	1487.56	-1863.15	-897.66	1699338.06	14306871.97	39°23'52.3713"N	80°47'29.1502"W	2068.12	205.725	4.71	-0.55	-4.67	
8460.00	89.020	158.130	6401.85	1582.48	-1952.27	-864.84	1699370.87	14306782.89	39°23'51.4897"N	80°47'28.7347"W	2135.25	203.893	3.47	-0.06	-3.47	
8554.00	90.280	156.410	6402.43	1676.19	-2038.96	-828.52	1699407.17	14306696.23	39°23'50.6320"N	80°47'28.2747"W	2200.86	202.114	2.27	1.34	-1.83	
8648.00	89.450	156.060	6402.65	1769.76	-2124.99	-790.64	1699445.04	14306610.24	39°23'49.7809"N	80°47'27.7947"W	2267.31	200.409	0.96	-0.88	-0.37	
8743.00	89.540	154.920	6403.49	1864.19	-2211.42	-751.23	1699484.43	14306523.84	39°23'48.9257"N	80°47'27.2952"W	2335.54	198.763	1.20	0.09	-1.20	
8838.00	89.010	155.470	6404.69	1958.57	-2297.65	-711.38	1699524.27	14306437.64	39°23'48.0726"N	80°47'26.7902"W	2405.26	197.203	0.80	-0.56	0.58	
8932.00	89.420	158.470	6405.98	2052.23	-2384.14	-674.61	1699561.02	14306351.19	39°23'47.2169"N	80°47'26.3244"W	2477.75	195.799	3.22	0.44	3.19	
9027.00	88.890	160.230	6407.38	2147.13	-2473.02	-641.11	1699594.50	14306262.34	39°23'46.3377"N	80°47'25.9003"W	2554.78	194.534	1.93	-0.56	1.85	
9121.00	89.380	165.130	6408.80	2241.08	-2562.72	-613.14	1699622.46	14306172.67	39°23'45.4505"N	80°47'25.5467"W	2635.05	193.455	5.24	0.52	5.21	
9216.00	89.970	167.630	6409.34	2335.76	-2655.04	-590.77	1699644.82	14306080.39	39°23'44.5375"N	80°47'25.2645"W	2719.98	192.544	2.70	0.62	2.63	
9311.00	90.310	168.460	6409.11	2430.18	-2747.98	-571.09	1699664.49	14305987.49	39°23'43.6185"N	80°47'25.0166"W	2806.70	191.740	0.94	0.36	0.87	
9406.00	91.570	167.430	6407.55	2524.60	-2840.87	-551.26	1699684.32	14305894.64	39°23'42.7000"N	80°47'24.7666"W	2893.86	190.981	1.71	1.33	-1.08	
9500.00	90.370	164.960	6405.96	2618.29	-2932.13	-528.83	1699706.74	14305803.41	39°23'41.7975"N	80°47'24.4837"W	2979.44	190.224	2.92	-1.28	-2.63	



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH DATA (225 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
9595.00	90.120	161.250	6405.55	2713.25	-3023.02	-501.23	1699734.33	14305712.57	39°23'40.8986"N	80°47'24.1348"W	3064.29	189.414	3.91	-0.26	-3.91	
9689.00	90.650	158.050	6404.92	2807.17	-3111.14	-468.54	1699767.00	14305624.48	39°23'40.0269"N	80°47'23.7211"W	3146.22	188.565	3.45	0.56	-3.40	
9784.00	89.290	156.010	6404.97	2901.84	-3198.60	-431.47	1699804.06	14305537.06	39°23'39.1616"N	80°47'23.2515"W	3227.57	187.683	2.58	-1.43	-2.15	
9878.00	89.260	156.570	6406.16	2995.41	-3284.66	-393.68	1699841.84	14305451.03	39°23'38.3102"N	80°47'22.7726"W	3308.16	186.835	0.60	-0.03	0.60	
9974.00	89.720	155.360	6407.01	3090.92	-3372.33	-354.58	1699880.92	14305363.39	39°23'37.4428"N	80°47'22.2772"W	3390.92	186.002	1.35	0.48	-1.26	
10068.00	89.110	154.950	6407.97	3184.30	-3457.62	-315.09	1699920.40	14305278.13	39°23'36.5989"N	80°47'21.7767"W	3471.95	185.207	0.78	-0.65	-0.44	
10162.00	89.140	159.320	6409.41	3277.91	-3543.89	-277.82	1699957.65	14305191.90	39°23'35.7454"N	80°47'21.3046"W	3554.76	184.482	3.58	0.03	3.59	
10257.00	88.860	161.970	6411.06	3372.84	-3633.22	-245.56	1699989.90	14305102.61	39°23'34.8618"N	80°47'20.8964"W	3641.50	183.867	3.85	-0.29	3.84	
10352.00	89.200	166.550	6412.67	3467.71	-3724.62	-219.80	1700015.65	14305011.25	39°23'33.9578"N	80°47'20.5710"W	3731.10	183.377	4.83	0.36	4.82	
10446.00	90.430	170.030	6412.98	3561.08	-3816.64	-200.73	1700034.71	14304919.26	39°23'33.0479"N	80°47'20.3308"W	3821.92	183.011	3.93	1.31	3.70	
10540.00	90.060	168.450	6412.58	3654.26	-3908.99	-183.18	1700052.25	14304826.95	39°23'32.1348"N	80°47'20.1100"W	3913.28	182.683	1.73	-0.39	-1.68	
10634.00	91.880	164.710	6410.98	3747.89	-4000.39	-161.37	1700074.05	14304735.59	39°23'31.2309"N	80°47'19.8350"W	4003.64	182.310	4.42	1.94	-3.98	
10729.00	90.060	162.140	6409.38	3842.82	-4091.41	-134.28	1700101.14	14304644.59	39°23'30.3306"N	80°47'19.4926"W	4093.62	181.880	3.31	-1.92	-2.71	
10824.00	89.780	160.700	6409.51	3937.82	-4181.46	-104.01	1700131.39	14304554.58	39°23'29.4399"N	80°47'19.1098"W	4182.75	181.425	1.54	-0.29	-1.52	
10918.00	89.380	161.470	6410.20	4031.81	-4270.38	-73.54	1700161.85	14304465.70	39°23'28.5604"N	80°47'18.7243"W	4271.01	180.987	0.92	-0.43	0.82	
11013.00	89.880	163.740	6410.81	4126.79	-4361.03	-45.14	1700190.24	14304375.09	39°23'27.6638"N	80°47'18.3653"W	4361.26	180.593	2.45	0.53	2.39	
11107.00	89.010	162.950	6411.72	4220.75	-4451.08	-18.20	1700217.17	14304285.07	39°23'26.7732"N	80°47'18.0249"W	4451.12	180.234	1.25	-0.93	-0.84	
11202.00	88.980	161.580	6413.39	4315.73	-4541.55	10.73	1700246.09	14304194.64	39°23'25.8783"N	80°47'17.6591"W	4541.56	179.865	1.44	-0.03	-1.44	
11298.00	89.050	161.650	6415.04	4411.71	-4632.63	41.01	1700276.35	14304103.59	39°23'24.9774"N	80°47'17.2762"W	4632.82	179.493	0.10	0.07	0.07	
11392.00	89.020	160.980	6416.62	4505.69	-4721.67	71.12	1700306.45	14304014.59	39°23'24.0967"N	80°47'16.8953"W	4722.20	179.137	0.71	-0.03	-0.71	
11486.00	88.980	161.100	6418.26	4599.67	-4810.55	101.65	1700336.97	14303925.74	39°23'23.2175"N	80°47'16.5091"W	4811.63	178.789	0.13	-0.04	0.13	
11581.00	89.080	159.830	6419.87	4694.64	-4900.07	133.41	1700368.72	14303836.26	39°23'22.3320"N	80°47'16.1072"W	4901.89	178.440	1.34	0.11	-1.34	
11676.00	88.920	159.990	6421.53	4789.57	-4989.28	166.04	1700401.34	14303747.09	39°23'21.4496"N	80°47'15.6943"W	4992.04	178.094	0.24	-0.17	0.17	
11770.00	88.980	160.190	6423.25	4883.52	-5077.64	198.05	1700433.33	14303658.76	39°23'20.5755"N	80°47'15.2893"W	5081.50	177.766	0.22	0.06	0.21	
11865.00	88.920	160.240	6424.99	4978.47	-5167.02	230.20	1700465.47	14303569.42	39°23'19.6914"N	80°47'14.8825"W	5172.15	177.449	0.08	-0.06	0.05	
11960.00	89.020	160.410	6426.70	5073.43	-5256.46	262.18	1700497.43	14303480.01	39°23'18.8067"N	80°47'14.4779"W	5262.99	177.145	0.21	0.11	0.18	
12054.00	89.200	159.700	6428.16	5167.38	-5344.81	294.24	1700529.48	14303391.70	39°23'17.9327"N	80°47'14.0722"W	5352.90	176.849	0.78	0.19	-0.76	
12148.00	89.510	159.990	6429.22	5261.32	-5433.05	326.63	1700561.86	14303303.49	39°23'17.0598"N	80°47'13.6624"W	5442.86	176.560	0.45	0.33	0.31	
12243.00	89.600	161.320	6429.95	5356.30	-5522.68	358.09	1700593.31	14303213.90	39°23'16.1732"N	80°47'13.2643"W	5534.28	176.290	1.40	0.09	1.40	
12337.00	90.060	162.250	6430.23	5450.30	-5611.97	387.48	1700622.68	14303124.65	39°23'15.2901"N	80°47'12.8927"W	5625.33	176.050	1.10	0.49	0.99	



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH DATA (225 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
12432.00	90.120	162.650	6430.08	5545.29	-5702.55	416.12	1700651.32	14303034.10	39°23'14.3942"N	80°47'12.5306"W	5717.71	175.826	0.43	0.06	0.42	
12527.00	90.030	163.160	6429.96	5640.27	-5793.35	444.05	1700679.23	14302943.34	39°23'13.4961"N	80°47'12.1777"W	5810.34	175.617	0.55	-0.09	0.54	
12621.00	90.000	163.430	6429.94	5734.23	-5883.38	471.07	1700706.24	14302853.34	39°23'12.6056"N	80°47'11.8363"W	5902.21	175.422	0.29	-0.03	0.29	
12716.00	90.000	162.630	6429.94	5829.21	-5974.24	498.79	1700733.96	14302762.51	39°23'11.7069"N	80°47'11.4859"W	5995.03	175.227	0.84	0.00	-0.84	
12810.00	89.940	163.030	6429.98	5923.19	-6064.05	526.54	1700761.69	14302672.74	39°23'10.8186"N	80°47'11.1352"W	6086.87	175.037	0.43	-0.06	0.43	
12904.00	89.970	161.370	6430.06	6017.18	-6153.55	555.28	1700790.42	14302583.28	39°23'9.9334"N	80°47'10.7719"W	6178.55	174.844	1.77	0.03	-1.77	
12999.00	89.940	160.700	6430.13	6112.17	-6243.39	586.15	1700821.28	14302493.47	39°23'9.0447"N	80°47'10.3814"W	6270.85	174.637	0.71	-0.03	-0.71	
13093.00	89.970	159.410	6430.21	6206.13	-6331.75	618.22	1700853.33	14302405.15	39°23'8.1706"N	80°47'9.9757"W	6361.86	174.423	1.37	0.03	-1.37	
13188.00	90.000	159.400	6430.23	6301.06	-6420.68	651.63	1700886.73	14302316.25	39°23'7.2909"N	80°47'9.5528"W	6453.66	174.205	0.03	0.03	-0.01	
13282.00	89.880	159.510	6430.33	6394.98	-6508.70	684.62	1700919.71	14302228.27	39°23'6.4202"N	80°47'9.1353"W	6544.61	173.995	0.17	-0.13	0.12	
13377.00	89.970	160.280	6430.45	6489.93	-6597.91	717.28	1700952.35	14302139.09	39°23'5.5377"N	80°47'8.7221"W	6636.79	173.796	0.82	0.09	0.81	
13472.00	90.180	160.730	6430.33	6584.91	-6687.47	748.98	1700984.04	14302049.57	39°23'4.6519"N	80°47'8.3210"W	6729.28	173.610	0.52	0.22	0.47	
13567.00	89.940	161.750	6430.23	6679.91	-6777.42	779.53	1701014.58	14301959.66	39°23'3.7621"N	80°47'7.9347"W	6822.10	173.439	1.10	-0.25	1.07	
13661.00	89.910	163.210	6430.35	6773.90	-6867.06	807.83	1701042.87	14301870.06	39°23'2.8755"N	80°47'7.5770"W	6914.41	173.291	1.55	-0.03	1.55	
13756.00	90.000	164.280	6430.43	6868.83	-6958.26	834.42	1701069.45	14301778.89	39°23'1.9735"N	80°47'7.2411"W	7008.11	173.162	1.13	0.09	1.13	
13850.00	90.180	165.630	6430.28	6962.68	-7049.03	858.82	1701093.84	14301688.15	39°23'1.0758"N	80°47'6.9331"W	7101.16	173.054	1.45	0.19	1.44	
13945.00	89.970	167.120	6430.16	7057.37	-7141.36	881.20	1701116.21	14301595.86	39°23'0.1627"N	80°47'6.6509"W	7195.52	172.966	1.58	-0.22	1.57	
14040.00	90.620	166.110	6429.67	7152.02	-7233.77	903.19	1701138.19	14301503.49	39°22'59.2488"N	80°47'6.3736"W	7289.94	172.883	1.26	0.68	-1.06	
14135.00	90.770	167.160	6428.52	7246.66	-7326.19	925.15	1701160.14	14301411.10	39°22'58.3349"N	80°47'6.0968"W	7384.37	172.803	1.12	0.16	1.11	
14230.00	91.110	167.490	6426.96	7341.19	-7418.86	945.99	1701180.97	14301318.47	39°22'57.4185"N	80°47'5.8342"W	7478.93	172.733	0.50	0.36	0.35	
14325.00	90.800	165.960	6425.37	7435.81	-7511.31	967.80	1701202.78	14301226.06	39°22'56.5043"N	80°47'5.5592"W	7573.40	172.658	1.64	-0.33	-1.61	
14420.00	90.770	163.480	6424.07	7530.67	-7602.94	992.83	1701227.80	14301134.47	39°22'55.5981"N	80°47'5.2432"W	7667.49	172.560	2.61	-0.03	-2.61	
14514.00	90.310	161.960	6423.19	7624.65	-7692.69	1020.75	1701255.71	14301044.75	39°22'54.7104"N	80°47'4.8904"W	7760.11	172.442	1.69	-0.49	-1.62	
14609.00	90.120	160.000	6422.83	7719.63	-7782.49	1051.71	1701286.65	14300954.98	39°22'53.8220"N	80°47'4.4988"W	7853.24	172.304	2.07	-0.20	-2.06	
14703.00	90.430	159.330	6422.38	7813.57	-7870.63	1084.38	1701319.30	14300866.88	39°22'52.9501"N	80°47'4.0855"W	7944.98	172.155	0.79	0.33	-0.71	
14797.00	90.400	158.130	6421.70	7907.44	-7958.23	1118.47	1701353.39	14300779.32	39°22'52.0836"N	80°47'3.6539"W	8036.44	172.000	1.28	-0.03	-1.28	
14892.00	90.340	156.590	6421.08	8002.16	-8045.90	1155.04	1701389.94	14300691.68	39°22'51.2162"N	80°47'3.1909"W	8128.39	171.831	1.62	-0.06	-1.62	
14986.00	90.310	155.620	6420.55	8095.70	-8131.84	1193.12	1701428.00	14300605.77	39°22'50.3659"N	80°47'2.7087"W	8218.91	171.653	1.03	-0.03	-1.03	
15081.00	90.340	155.290	6420.01	8190.14	-8218.26	1232.58	1701467.45	14300519.39	39°22'49.5109"N	80°47'2.2087"W	8310.17	171.470	0.35	0.03	-0.35	
15176.00	89.570	156.090	6420.09	8284.61	-8304.83	1271.69	1701506.54	14300432.85	39°22'48.6543"N	80°47'1.7133"W	8401.63	171.294	1.17	-0.81	0.84	



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH DATA (225 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
15271.00	89.820	158.180	6420.59	8379.30	-8392.36	1308.60	1701543.44	14300345.36	39°22'47.7883"N	80°47'1.2459"W	8493.77	171.137	2.22	0.26	2.20	
15365.00	89.780	158.860	6420.92	8473.15	-8479.83	1343.02	1701577.84	14300257.92	39°22'46.9230"N	80°47'0.8103"W	8585.53	171.000	0.72	-0.04	0.72	
15460.00	89.850	160.590	6421.23	8568.09	-8568.94	1375.94	1701610.75	14300168.85	39°22'46.0415"N	80°47'0.3938"W	8678.71	170.878	1.82	0.07	1.82	
15554.00	89.940	163.400	6421.40	8662.08	-8658.33	1404.99	1701639.79	14300079.50	39°22'45.1573"N	80°47'0.0266"W	8771.58	170.783	2.99	0.10	2.99	
15648.00	89.820	164.740	6421.60	8756.00	-8748.72	1430.79	1701665.58	14299989.14	39°22'44.2634"N	80°46'59.7008"W	8864.94	170.712	1.43	-0.13	1.43	
15743.00	89.750	165.950	6421.95	8850.80	-8840.62	1454.82	1701689.60	14299897.27	39°22'43.3544"N	80°46'59.3975"W	8959.53	170.655	1.28	-0.07	1.27	
15838.00	90.280	166.010	6421.93	8945.54	-8932.79	1477.84	1701712.61	14299805.14	39°22'42.4429"N	80°46'59.1073"W	9054.22	170.606	0.56	0.56	0.06	
15932.00	90.150	164.420	6421.57	9039.36	-9023.68	1501.83	1701736.59	14299714.29	39°22'41.5441"N	80°46'58.8046"W	9147.80	170.551	1.70	-0.14	-1.69	
16026.00	90.220	162.530	6421.27	9133.31	-9113.79	1528.56	1701763.31	14299624.22	39°22'40.6528"N	80°46'58.4669"W	9241.09	170.479	2.01	0.07	-2.01	
16120.00	90.220	160.750	6420.91	9227.31	-9203.00	1558.17	1701792.91	14299535.04	39°22'39.7704"N	80°46'58.0926"W	9333.98	170.390	1.89	0.00	-1.89	
16215.00	90.280	160.060	6420.50	9322.28	-9292.50	1590.03	1701824.75	14299445.58	39°22'38.8851"N	80°46'57.6896"W	9427.55	170.290	0.73	0.06	-0.73	
16310.00	90.090	159.170	6420.19	9417.22	-9381.55	1623.12	1701857.83	14299356.57	39°22'38.0042"N	80°46'57.2709"W	9520.92	170.184	0.96	-0.20	-0.94	
16405.00	90.250	159.240	6419.91	9512.12	-9470.36	1656.85	1701891.55	14299267.79	39°22'37.1256"N	80°46'56.8442"W	9614.20	170.076	0.18	0.17	0.07	
16500.00	90.180	160.460	6419.55	9607.07	-9559.54	1689.57	1701924.26	14299178.64	39°22'36.2434"N	80°46'56.4302"W	9707.70	169.977	1.29	-0.07	1.28	
16595.00	90.220	161.820	6419.22	9702.06	-9649.44	1720.26	1701954.95	14299088.78	39°22'35.3542"N	80°46'56.0419"W	9801.58	169.892	1.43	0.04	1.43	
16689.00	90.370	163.140	6418.73	9796.05	-9739.07	1748.57	1701983.24	14298999.18	39°22'34.4676"N	80°46'55.6843"W	9894.80	169.821	1.41	0.16	1.40	
16784.00	89.850	163.290	6418.55	9891.02	-9830.03	1776.01	1702010.66	14298908.26	39°22'33.5680"N	80°46'55.3378"W	9989.18	169.759	0.57	-0.55	0.16	
16879.00	90.580	163.840	6418.20	9985.97	-9921.14	1802.89	1702037.53	14298817.18	39°22'32.6668"N	80°46'54.9983"W	10083.63	169.701	0.96	0.77	0.58	
16974.00	90.710	165.950	6417.13	10080.81	-10012.85	1827.64	1702062.27	14298725.51	39°22'31.7598"N	80°46'54.6859"W	10178.28	169.656	2.23	0.14	2.22	
17068.00	90.460	166.270	6416.17	10174.53	-10104.10	1850.20	1702084.83	14298634.30	39°22'30.8574"N	80°46'54.4014"W	10272.10	169.623	0.43	-0.27	0.34	
17163.00	90.620	166.160	6415.27	10269.23	-10196.36	1872.84	1702107.45	14298542.08	39°22'29.9450"N	80°46'54.1160"W	10366.93	169.592	0.20	0.17	-0.12	
17257.00	90.220	165.030	6414.58	10363.02	-10287.40	1896.22	1702130.83	14298451.08	39°22'29.0447"N	80°46'53.8210"W	10460.70	169.556	1.28	-0.43	-1.20	
17352.00	90.280	164.300	6414.17	10457.89	-10379.01	1921.35	1702155.94	14298359.50	39°22'28.1386"N	80°46'53.5039"W	10555.35	169.512	0.77	0.06	-0.77	
17446.00	90.150	163.350	6413.82	10551.82	-10469.29	1947.53	1702182.12	14298269.26	39°22'27.2457"N	80°46'53.1733"W	10648.89	169.462	1.02	-0.14	-1.01	
17541.00	90.280	161.050	6413.46	10646.81	-10559.74	1976.57	1702211.14	14298178.85	39°22'26.3511"N	80°46'52.8063"W	10743.13	169.398	2.42	0.14	-2.42	
17635.00	90.250	158.590	6413.02	10740.75	-10647.96	2009.00	1702243.56	14298090.66	39°22'25.4783"N	80°46'52.3961"W	10835.82	169.315	2.62	-0.03	-2.62	
17730.00	90.150	158.600	6412.69	10835.61	-10736.40	2043.67	1702278.21	14298002.25	39°22'24.6034"N	80°46'51.9574"W	10929.18	169.223	0.11	-0.11	0.01	
17825.00	90.150	158.790	6412.44	10930.48	-10824.91	2078.18	1702312.72	14297913.78	39°22'23.7278"N	80°46'51.5206"W	11022.59	169.132	0.20	0.00	0.20	
17919.00	90.090	160.220	6412.25	11024.41	-10912.96	2111.09	1702345.61	14297825.76	39°22'22.8567"N	80°46'51.1042"W	11115.28	169.051	1.52	-0.06	1.52	
18014.00	90.250	161.600	6411.96	11118.39	-11002.73	2142.16	1702376.67	14297736.03	39°22'21.9687"N	80°46'50.7114"W	11209.33	168.983	1.46	0.17	1.45	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH DATA (225 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
18109.00	90.150	162.870	6411.63	11214.39	-11093.20	2171.15	1702405.64	14297645.59	39°22'21.0739"N	80°46'50.3451"W	11303.67	168.926	1.34	-0.11	1.34	
18203.00	90.150	163.340	6411.39	11308.36	-11183.14	2198.47	1702432.95	14297555.69	39°22'20.1843"N	80°46'50.0000"W	11397.19	168.878	0.50	0.00	0.50	
18298.00	90.180	164.720	6411.11	11403.28	-11274.47	2224.60	1702459.08	14297464.39	39°22'19.2810"N	80°46'49.6700"W	11491.85	168.838	1.45	0.03	1.45	
18392.00	89.850	164.480	6411.09	11497.16	-11365.10	2249.56	1702484.03	14297373.80	39°22'18.3847"N	80°46'49.3550"W	11585.59	168.804	0.43	-0.35	-0.26	
18487.00	89.910	163.590	6411.29	11592.08	-11456.43	2275.69	1702510.15	14297282.51	39°22'17.4813"N	80°46'49.0251"W	11680.27	168.765	0.94	0.06	-0.94	
18581.00	89.910	161.430	6411.44	11686.07	-11546.08	2303.94	1702538.39	14297192.89	39°22'16.5946"N	80°46'48.6682"W	11773.71	168.715	2.30	0.00	-2.30	
18676.00	90.090	159.590	6411.44	11781.04	-11635.63	2335.64	1702570.07	14297103.38	39°22'15.7088"N	80°46'48.2674"W	11867.74	168.650	1.95	0.19	-1.94	
18770.00	89.970	157.970	6411.39	11874.91	-11723.26	2369.66	1702604.08	14297015.79	39°22'14.8419"N	80°46'47.8369"W	11960.35	168.573	1.73	-0.13	-1.72	
18864.00	89.450	158.210	6411.86	11968.72	-11810.47	2404.74	1702639.14	14296928.61	39°22'13.9791"N	80°46'47.3930"W	12052.80	168.491	0.61	-0.55	0.26	
18959.00	89.570	158.950	6412.67	12063.58	-11898.90	2439.43	1702673.82	14296840.21	39°22'13.1042"N	80°46'46.9540"W	12146.38	168.414	0.79	0.13	0.78	
19054.00	89.510	160.110	6413.44	12158.50	-11987.90	2472.65	1702707.03	14296751.25	39°22'12.2238"N	80°46'46.5337"W	12240.25	168.345	1.22	-0.06	1.22	
19148.00	89.510	160.410	6414.24	12252.47	-12076.37	2504.40	1702738.76	14296662.81	39°22'11.3487"N	80°46'46.1322"W	12333.32	168.284	0.32	0.00	0.32	
19243.00	89.600	160.490	6414.98	12347.44	-12165.89	2536.19	1702770.54	14296573.33	39°22'10.4631"N	80°46'45.7302"W	12427.44	168.224	0.13	0.09	0.08	
19301.00	89.540	160.280	6415.41	12405.43	-12220.52	2555.66	1702790.00	14296518.72	39°22'9.9227"N	80°46'45.4840"W	12484.89	168.188	0.38	-0.10	-0.36	
19325.00‡	89.540	160.280	6415.61	12429.42	-12243.12	2563.75	1702798.09	14296496.14	39°22'9.6992"N	80°46'45.3816"W	12508.67	168.173	0.00	0.00	0.00	Projected MD at TD: 19325' MD



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

HOLE & CASING SECTIONS - Ref Wellbore: Stampede Unit 2H AWB Ref Wellpath: Stampede Unit 2H AWP Proj: 19325'

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	-0.04	-0.04
17.5in Open Hole	105.00	430.20	325.20	105.00	430.20	-0.04	-0.04	-1.07	1.06
13.375in Casing Surface	25.00	430.20	405.20	25.00	430.20	0.00	0.00	-1.07	1.06
12.25in Open Hole	430.20	2670.00	2239.80	430.20	2603.07	-1.07	1.06	39.17	-479.42
9.625in Casing Intermediate	25.00	2649.40	2624.40	25.00	2583.38	0.00	0.00	39.05	-473.38
8.75in Open Hole	2670.00	5267.00	2597.00	2603.07	5087.25	39.17	-479.42	117.06	-1216.97
8.5in Open Hole	5267.00	19325.00	14058.00	5087.25	6415.61	117.06	-1216.97	-12243.12	2563.75
5.5in Casing Production	25.00	19325.00	19300.00	25.00	6415.61	0.00	0.00	-12243.12	2563.75

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Stampede Unit 2H - POE- Rev-5	6364.00	-396.78	-1354.38	1698881.52	14308337.76	39°24'6.8745"N	80°47'34.9251"W	point
Stampede Unit 2H - BHL- Rev-4	6390.00	-12258.45	2563.52	1702797.86	14296480.81	39°22'9.5476"N	80°46'45.3850"W	point
Stampede Unit 2H - LP- Rev-5	6390.00	-578.35	-1294.41	1698941.47	14308156.26	39°24'5.0786"N	80°47'34.1665"W	point



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

WELLPATH COMPOSITION - Ref Wellbore: Stampede Unit 2H AWB Ref Wellpath: Stampede Unit 2H AWP Proj: 19325'					
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.00	377.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-377')	Stampede Unit 2H AWB	11/16/2019
377.00	738.00	Gyrodatta 2015 - GC+WIR+DPIPE	02 Gyrodatta MS Gyro <12-1/4"> (377')(467'-738')	Stampede Unit 2H AWB	11/16/2019
738.00	2596.00	BH NaviTrak (2019) (Axial)	03 APS EM <12-1/4"> (738')(868'-2596')	Stampede Unit 2H AWB	11/16/2019
2596.00	5201.00	BH NaviTrak (2019) (Axial)	04 BH NaviTrak <8-3/4"> (2596')(2679'-5201')	Stampede Unit 2H AWB	1/20/2020
5201.00	19325.00	BH AutoTrak Curve (2019) (Short spacing)	05 BH AT Curve <8-1/2"> (5201')(5240'-19301')	Stampede Unit 2H AWB	11/16/2019



Actual Wellpath Report

Stampede Unit 2H AWP Proj: 19325'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Stampede Unit 2H
Field	Tyler	API	47-095-02655-0000
Facility	Colorado East Pad	Wellbore	Stampede Unit 2H AWB
Slot	Slot #01		

COMMENTS
<p>Wellpath general comments API: 47-095-02655-0000 BHI Job #: 11013160B Rig: Patterson 342 Duration: 11/17/2019-01/25/2020 Gyrodatta MS Gyro <17-1/2"> (100'-377') Gyrodatta MS Gyro <12-1/4"> (377')(467'-738') APS EM <12-1/4"> (738')(868'-2596') BH NaviTrak <8-3/4"> (2596')(2679'-5201') BH AT Curve <8-1/2"> (5201')(5240'-19301') Middlesex: 6424' MD Burkett: 6641' MD Tully: 6706' MD Hamilton: 6803' MD Marcellus POE: 6845' MD Projected MD at TD: 19325' MD</p>