



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 1 of 12



REFERENCE WELLPATH IDENTIFICATION		
Operator	ANTERO RESOURCES CORPORATION	Slot #06
Area	Tyler County, WV	Weese Unit 2H
Field	Tyler	Weese Unit 2H AWB
Facility	Kirk Hadley Pad	

REPORT SETUP INFORMATION		
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System
North Reference	Grid	User
Scale	0.999600	Report Generated
Convergence at slot	0.04° East	Database/Source file
		WellArchitect@ 5.1
		Delaset
		10/6/2019 at 7:05:31 PM
		WA_MPL_EasternUS_DefmWeese_Unit_2H_AWP_Proj_21464_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	49.32	8.50	1659529.15	14330629.12	39°27'47.871"N	80°55'56.217"W
Facility Reference Pt			1659520.65	14330579.82	39°27'47.384"N	80°55'56.326"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM		
Calculation method	Minimum curvature	Patterson 342 (RKB) to Facility Vertical Datum
Horizontal Reference Pt	Slot	Patterson 342 (RKB) to Mean Sea Level
Vertical Reference Pt	Patterson 342 (RKB)	Patterson 342 (RKB) to Ground Level at Slot (Slot #06)
MD Reference Pt	Patterson 342 (RKB)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth
		25.00ft
		937.00ft
		25.00ft
		N 0.00, E 0.00 ft
		341.06°



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 2 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 stations) † = interpolated/extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
0.00	0.00	189.49	0.00	0.00	0.00	0.00	1659529.15	14330629.12	39°27'47.871"N	80°55'56.217"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.00	189.49	25.00	0.00	0.00	0.00	1659529.15	14330629.12	39°27'47.871"N	80°55'56.217"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.33	189.49	100.00	-0.19	-0.21	-0.04	1659529.11	14330628.91	39°27'47.869"N	80°55'56.217"W	0.22	189.490	0.44	0.44	0.44	-227.35 Gyrodota MS Gyro <12-1/4"> (100'-642')
125.00	0.30	199.13	125.00	-0.30	-0.35	-0.07	1659529.08	14330628.77	39°27'47.868"N	80°55'56.218"W	0.35	191.271	0.24	-0.12	38.56	
150.00	0.28	182.09	150.00	-0.41	-0.47	-0.09	1659529.06	14330628.65	39°27'47.866"N	80°55'56.218"W	0.48	191.175	0.35	-0.08	-68.16	
175.00	0.30	203.44	175.00	-0.52	-0.59	-0.12	1659529.03	14330628.53	39°27'47.865"N	80°55'56.219"W	0.60	191.580	0.44	0.08	86.40	
200.00	0.34	201.81	200.00	-0.62	-0.72	-0.17	1659528.97	14330628.40	39°27'47.864"N	80°55'56.219"W	0.74	193.643	0.16	0.16	-6.52	
225.00	0.32	202.06	225.00	-0.73	-0.85	-0.23	1659528.92	14330628.27	39°27'47.863"N	80°55'56.220"W	0.88	194.991	0.08	-0.08	1.00	
250.00	0.25	200.19	250.00	-0.83	-0.97	-0.27	1659528.88	14330628.15	39°27'47.861"N	80°55'56.220"W	1.01	195.762	0.28	-0.28	-7.48	
275.00	0.23	197.91	275.00	-0.91	-1.07	-0.31	1659528.84	14330628.05	39°27'47.860"N	80°55'56.221"W	1.11	196.076	0.09	-0.08	-9.12	
300.00	0.18	212.29	300.00	-0.97	-1.15	-0.34	1659528.80	14330627.97	39°27'47.860"N	80°55'56.221"W	1.20	196.677	0.29	-0.20	57.52	
325.00	0.17	219.82	325.00	-1.02	-1.21	-0.39	1659528.76	14330627.91	39°27'47.859"N	80°55'56.222"W	1.27	197.811	0.10	-0.04	30.12	
350.00	0.17	205.20	350.00	-1.06	-1.27	-0.43	1659528.72	14330627.85	39°27'47.858"N	80°55'56.222"W	1.34	198.608	0.17	0.00	-58.48	
375.00	0.12	306.38	375.00	-1.07	-1.29	-0.47	1659528.68	14330627.83	39°27'47.858"N	80°55'56.223"W	1.37	199.828	0.91	-0.20	404.72	
400.00	0.08	310.85	400.00	-1.03	-1.26	-0.50	1659528.65	14330627.86	39°27'47.859"N	80°55'56.223"W	1.36	201.574	0.16	-0.16	17.88	
425.00	0.05	110.64	425.00	-1.02	-1.26	-0.50	1659528.65	14330627.86	39°27'47.859"N	80°55'56.223"W	1.35	201.810	0.51	-0.12	639.16	
450.00	0.20	308.25	450.00	-0.99	-1.23	-0.53	1659528.62	14330627.89	39°27'47.859"N	80°55'56.224"W	1.34	203.133	0.99	0.60	-649.56	
475.00	0.10	42.66	475.00	-0.95	-1.19	-0.55	1659528.60	14330627.93	39°27'47.859"N	80°55'56.224"W	1.31	204.659	0.92	-0.40	377.64	
500.00	0.03	87.41	500.00	-0.94	-1.17	-0.52	1659528.62	14330627.95	39°27'47.859"N	80°55'56.224"W	1.28	204.099	0.33	-0.28	179.00	
525.00	0.05	296.85	525.00	-0.93	-1.17	-0.53	1659528.62	14330627.95	39°27'47.859"N	80°55'56.224"W	1.28	204.324	0.31	0.08	-602.24	
550.00	0.16	7.04	550.00	-0.89	-1.13	-0.53	1659528.62	14330627.99	39°27'47.860"N	80°55'56.224"W	1.25	205.301	0.60	0.44	280.76	
575.00	0.15	12.87	575.00	-0.83	-1.06	-0.52	1659528.63	14330628.06	39°27'47.861"N	80°55'56.224"W	1.18	206.172	0.07	-0.04	23.32	
600.00	0.19	4.75	600.00	-0.77	-0.99	-0.51	1659528.64	14330628.13	39°27'47.861"N	80°55'56.224"W	1.11	207.340	0.19	0.16	-32.48	
625.00	0.21	359.14	625.00	-0.69	-0.90	-0.51	1659528.64	14330628.22	39°27'47.862"N	80°55'56.223"W	1.03	209.421	0.11	0.08	-22.44	
642.00	0.33	51.12	642.00	-0.64	-0.84	-0.47	1659528.68	14330628.28	39°27'47.863"N	80°55'56.223"W	0.96	209.279	1.53	0.71	305.76	
742.00	0.48	34.58	741.99	-0.29	-0.31	-0.01	1659529.14	14330628.80	39°27'47.868"N	80°55'56.217"W	0.31	181.577	0.19	0.15	-16.54 WFT EM <12-1/4"> (642') (742'-2506')	
833.00	0.74	10.41	832.99	0.45	0.58	0.31	1659529.46	14330629.70	39°27'47.877"N	80°55'56.213"W	0.66	28.496	0.40	0.23	-28.56	
927.00	0.72	8.70	926.98	1.50	1.76	0.51	1659529.66	14330630.88	39°27'47.888"N	80°55'56.210"W	1.83	16.256	0.03	-0.02	-1.82	
1022.00	0.07	210.95	1021.98	1.99	2.30	0.57	1659529.72	14330631.42	39°27'47.894"N	80°55'56.210"W	2.37	14.002	0.83	-0.68	-166.05	
1117.00	0.82	187.68	1116.98	1.34	1.58	0.45	1659529.60	14330630.69	39°27'47.887"N	80°55'56.211"W	1.64	16.035	0.80	0.73	-24.52	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 3 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
1212.00	1.490	189.680	1211.96	-0.35	-0.32	0.15	1659529.30	14330628.80	39°27'47.868"N	80°55'56.215"W	0.35	153.894	0.71	0.71	2.13	
1306.00	1.620	195.260	1305.92	-2.52	-2.80	-0.40	1659528.75	14330626.32	39°27'47.843"N	80°55'56.222"W	2.83	188.137	0.21	0.14	5.94	
1400.00	0.770	197.550	1399.90	-4.13	-4.69	-0.94	1659528.21	14330624.43	39°27'47.825"N	80°55'56.229"W	4.78	191.352	0.91	-0.90	2.44	
1495.00	0.180	108.190	1494.90	-4.73	-5.34	-0.99	1659528.16	14330623.78	39°27'47.818"N	80°55'56.230"W	5.43	190.516	0.83	-0.62	-94.06	
1589.00	0.080	86.670	1588.90	-4.84	-5.38	-0.79	1659528.36	14330623.74	39°27'47.818"N	80°55'56.227"W	5.44	188.304	0.12	-0.11	-22.83	
1684.00	0.450	347.470	1683.90	-4.48	-5.02	-0.80	1659528.35	14330624.10	39°27'47.821"N	80°55'56.227"W	5.08	189.067	0.49	0.39	-104.42	
1778.00	0.910	357.240	1777.89	-3.40	-3.91	-0.92	1659528.23	14330625.21	39°27'47.832"N	80°55'56.229"W	4.02	193.193	0.50	0.49	10.39	
1873.00	1.140	359.830	1872.87	-1.78	-2.21	-0.96	1659528.19	14330626.91	39°27'47.849"N	80°55'56.229"W	2.41	203.373	0.25	0.24	2.73	
1968.00	1.220	4.410	1967.85	0.04	-0.26	-0.88	1659528.27	14330628.86	39°27'47.868"N	80°55'56.228"W	0.92	253.683	0.13	0.08	4.82	
2063.00	1.520	2.010	2062.83	2.15	2.01	-0.76	1659528.39	14330631.13	39°27'47.891"N	80°55'56.227"W	2.15	339.318	0.32	0.32	-2.53	
2157.00	1.820	353.900	2156.79	4.77	4.74	-0.87	1659528.28	14330633.86	39°27'47.918"N	80°55'56.228"W	4.82	349.557	0.41	0.32	-8.63	
2252.00	2.040	354.350	2251.73	7.88	7.92	-1.20	1659527.95	14330637.04	39°27'47.949"N	80°55'56.232"W	8.01	351.385	0.23	0.23	0.47	
2346.00	1.030	351.120	2345.70	10.34	10.42	-1.50	1659527.65	14330639.54	39°27'47.974"N	80°55'56.236"W	10.53	351.834	1.08	-1.07	-3.44	
2441.00	0.490	334.150	2440.69	11.59	11.63	-1.80	1659527.34	14330640.75	39°27'47.988"N	80°55'56.240"W	11.77	351.182	0.61	-0.57	-17.86	
2506.00	0.600	305.990	2505.69	12.14	12.08	-2.20	1659526.95	14330641.20	39°27'47.990"N	80°55'56.245"W	12.28	349.675	0.44	0.17	-49.32	
2665.00	0.180	261.220	2664.68	12.87	12.53	-3.12	1659526.03	14330641.65	39°27'47.995"N	80°55'56.257"W	12.92	346.014	0.31	-0.26	-28.16	WFT EM -8-3/4" (2506' 2665'-5885')
2760.00	4.550	122.390	2759.58	9.95	10.49	-0.09	1659529.06	14330639.60	39°27'47.975"N	80°55'56.218"W	10.49	359.534	4.93	4.60	-146.14	
2855.00	6.130	116.490	2854.17	3.39	6.21	7.54	1659536.78	14330635.32	39°27'47.932"N	80°55'56.120"W	9.84	50.887	1.76	1.66	-6.21	
2950.00	7.600	113.070	2948.49	-4.42	1.48	17.96	1659547.10	14330630.60	39°27'47.886"N	80°55'55.988"W	18.02	85.273	1.61	1.55	-3.60	
3044.00	8.520	109.550	3041.56	-12.92	-3.28	30.24	1659559.37	14330625.84	39°27'47.838"N	80°55'55.831"W	30.42	96.193	1.11	0.98	-3.74	
3139.00	10.870	104.900	3135.20	-22.29	-7.94	45.53	1659574.66	14330621.18	39°27'47.792"N	80°55'55.637"W	46.22	99.893	2.61	2.47	-4.89	
3233.00	13.230	110.990	3227.12	-34.13	-14.07	64.14	1659593.26	14330615.05	39°27'47.731"N	80°55'55.399"W	65.67	102.376	2.85	2.51	6.48	
3328.00	14.420	111.320	3319.37	-48.75	-22.27	85.31	1659614.42	14330606.86	39°27'47.650"N	80°55'55.130"W	88.17	104.630	1.26	1.25	0.35	
3422.00	15.910	111.680	3410.09	-64.71	-31.28	108.19	1659637.29	14330597.85	39°27'47.561"N	80°55'54.838"W	112.62	106.128	1.59	1.59	0.38	
3517.00	17.350	111.390	3501.12	-82.35	-41.26	133.48	1659662.57	14330587.87	39°27'47.462"N	80°55'54.516"W	139.71	107.178	1.52	1.52	-0.31	
3612.00	15.770	109.060	3592.17	-99.47	-50.64	158.87	1659687.95	14330578.50	39°27'47.369"N	80°55'54.192"W	166.75	107.681	1.80	-1.66	-2.45	
3706.00	16.400	116.600	3682.50	-116.80	-60.76	182.81	1659711.89	14330568.38	39°27'47.269"N	80°55'53.887"W	192.64	108.384	2.32	0.67	8.02	
3800.00	17.850	114.360	3772.33	-136.16	-72.64	207.80	1659736.87	14330558.60	39°27'47.151"N	80°55'53.568"W	220.13	109.268	1.69	1.54	-2.38	
3896.00	15.870	110.840	3866.12	-155.03	-83.61	234.01	1659763.07	14330545.55	39°27'47.043"N	80°55'53.234"W	248.50	109.660	2.27	-2.02	-3.59	
3992.00	17.000	114.010	3956.28	-172.62	-93.77	258.58	1659787.62	14330535.39	39°27'46.942"N	80°55'52.921"W	275.05	109.933	1.53	1.20	3.37	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 4 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
4087.00	19.06	112.04	4046.61	-192.26	-105.24	285.64	1659814.68	14330523.92	39°27'46.829"N	80°55'52.576"W	304.42	110.226	2.26	2.17	-2.07	
4181.00	17.42	109.54	4135.89	-211.08	-115.71	313.13	1659842.16	14330513.46	39°27'46.725"W	80°55'52.226"W	333.83	110.280	1.93	-1.74	-2.66	
4276.00	17.36	109.67	4226.54	-228.77	-125.24	339.88	1659868.89	14330503.93	39°27'46.631"N	80°55'51.885"W	362.22	110.227	0.08	-0.06	0.14	
4370.00	18.20	110.65	4316.05	-246.88	-135.13	366.82	1659895.82	14330494.04	39°27'46.443"N	80°55'51.541"W	390.92	110.223	0.95	0.83	1.04	
4464.00	16.41	107.16	4405.80	-264.06	-144.23	393.25	1659922.24	14330484.95	39°27'46.443"N	80°55'51.204"W	418.86	110.141	2.20	-1.90	-3.71	
4559.00	17.28	111.91	4496.72	-281.20	-153.45	419.16	1659948.14	14330475.73	39°27'46.351"N	80°55'50.874"W	446.37	110.108	1.71	0.92	5.00	
4654.00	18.23	111.48	4587.20	-300.06	-164.16	446.08	1659975.05	14330465.02	39°27'46.245"N	80°55'50.531"W	475.33	110.204	1.01	1.00	-0.45	
4749.00	19.28	109.80	4677.15	-319.51	-174.91	474.67	1660003.62	14330454.27	39°27'46.139"N	80°55'50.167"W	505.87	110.229	1.24	1.11	-1.77	
4843.00	17.21	108.33	4766.42	-337.65	-184.55	502.47	1660031.42	14330444.65	39°27'46.043"N	80°55'49.812"W	535.29	110.167	2.26	-2.20	-1.56	
4938.00	18.07	107.81	4856.96	-354.97	-193.47	529.84	1660058.78	14330435.72	39°27'45.955"N	80°55'49.463"W	564.06	110.060	0.92	0.91	-0.55	
5032.00	18.67	108.47	4946.17	-372.84	-202.70	557.99	1660086.92	14330426.50	39°27'45.863"N	80°55'49.105"W	593.67	109.964	0.68	0.64	0.70	
5127.00	16.68	106.58	5036.68	-390.00	-211.41	585.48	1660114.40	14330417.80	39°27'45.777"N	80°55'48.754"W	622.48	109.854	2.18	-2.03	-1.99	
5221.00	17.58	107.37	5126.51	-406.24	-219.49	611.96	1660140.86	14330409.71	39°27'45.697"N	80°55'48.417"W	650.13	109.732	0.99	0.96	0.84	
5316.00	16.84	107.01	5217.25	-422.81	-227.80	638.81	1660167.70	14330401.41	39°27'45.615"N	80°55'48.074"W	678.22	109.626	0.79	-0.78	-0.38	
5411.00	17.21	109.99	5308.09	-439.72	-236.63	665.18	1660194.06	14330392.68	39°27'45.527"N	80°55'47.738"W	706.02	109.583	1.00	0.33	3.14	
5505.00	17.60	93.41	5397.84	-453.88	-242.24	692.45	1660221.32	14330386.98	39°27'45.472"N	80°55'47.391"W	733.60	109.281	5.28	0.41	-17.64	
5550.00	17.05	85.31	5440.81	-458.09	-242.10	705.82	1660234.68	14330387.11	39°27'45.473"N	80°55'47.220"W	746.19	108.932	5.49	-1.22	-18.00	
5600.00	12.44	72.45	5489.16	-460.02	-239.88	718.27	1660247.13	14330389.34	39°27'45.495"N	80°55'47.061"W	757.27	108.467	11.25	-9.22	-25.72	
5645.00	10.48	47.49	5533.29	-458.50	-235.65	725.91	1660254.77	14330393.57	39°27'45.537"N	80°55'46.964"W	763.20	107.984	11.74	-4.36	-55.47	
5695.00	13.33	34.01	5582.22	-453.21	-227.79	732.49	1660261.35	14330401.42	39°27'45.614"N	80°55'46.880"W	767.09	107.275	7.93	5.70	-26.96	
5740.00	16.12	29.56	5625.74	-445.94	-218.06	738.48	1660267.33	14330411.15	39°27'45.710"N	80°55'46.804"W	770.00	106.451	6.69	6.20	-9.89	
5789.00	18.48	18.12	5672.53	-435.23	-204.75	744.25	1660273.10	14330424.45	39°27'45.842"N	80°55'46.730"W	771.90	105.382	8.43	4.82	-23.35	
5834.00	24.86	3.69	5716.55	-422.12	-189.63	747.92	1660276.77	14330439.57	39°27'45.991"N	80°55'46.683"W	771.58	104.227	10.24	8.04	-18.38	
5885.00	24.86	3.69	5716.55	-422.12	-189.63	747.92	1660276.77	14330439.57	39°27'45.991"N	80°55'46.683"W	771.58	104.227	10.24	8.04	-18.38	
5931.00	27.04	358.88	5802.95	-385.07	-149.51	750.66	1660279.51	14330459.64	39°27'46.190"N	80°55'46.653"W	769.17	102.735	6.93	5.02	-12.08	
5986.00	29.22	350.91	5860.29	-385.35	-119.06	747.86	1660276.71	14330510.10	39°27'46.388"N	80°55'46.648"W	765.40	101.265	6.89	5.17	-10.46	PH AT Curve <-8-1/2> (5885) (5931-21440')
6043.00	33.09	344.99	5900.52	-331.24	-95.33	742.72	1660271.57	14330533.83	39°27'46.923"N	80°55'46.748"W	748.82	97.314	10.49	8.23	-12.26	
6091.00	37.29	343.64	5939.74	-303.63	-68.71	735.23	1660284.08	14330560.44	39°27'47.186"N	80°55'46.843"W	738.43	95.339	8.90	8.75	-2.81	
6138.00	41.55	347.56	5976.04	-273.90	-39.81	727.86	1660256.71	14330589.33	39°27'47.472"N	80°55'46.937"W	728.95	93.130	10.49	9.05	8.34	
6185.00	45.75	348.12	6010.04	-241.69	-8.10	721.03	1660249.89	14330621.02	39°27'47.785"N	80°55'47.024"W	721.08	90.644	8.97	8.94	1.19	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 5 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot #06
Area	Tyler County, WV	Well
Field	Tyler	Wellbore
Facility	Kirk Hadley Pad	Well Unit 2H AWB

## WELLPATH DATA (262 stations) † = interpolated/extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
6232.00	50.520	347.050	6041.40	-206.93	26.07	713.50	1660242.36	14330655.18	39°27'48.123"N	80°55'47.120"W	713.97	87.907	10.15	-2.28		
6241.00†	51.306	347.087	6047.07	-199.98	32.88	711.93	1660240.80	14330661.98	39°27'48.191"N	80°55'47.139"W	712.69	87.356	8.73	8.73	0.41	Middlesex: 6241' MD
6280.00	54.710	347.240	6070.54	-169.01	63.25	705.02	1660233.88	14330692.34	39°27'48.491"N	80°55'47.227"W	707.85	84.874	8.73	8.73	0.35	
6327.00	59.530	348.540	6096.05	-129.83	101.83	696.75	1660225.62	14330730.91	39°27'48.872"N	80°55'47.332"W	704.15	81.685	10.51	10.26	2.77	
6374.00	63.730	349.340	6118.37	-88.88	142.41	688.82	1660217.70	14330771.47	39°27'49.273"N	80°55'47.433"W	703.39	78.319	9.06	8.94	1.70	
6417.00†	68.039	349.083	6135.94	-50.04	180.95	681.48	1660210.35	14330810.00	39°27'49.654"N	80°55'47.526"W	705.09	75.130	10.04	10.02	-0.60	Burkett: 6417' MD
6421.00	68.440	349.060	6137.42	-46.36	184.60	680.77	1660209.65	14330813.64	39°27'49.690"N	80°55'47.535"W	705.36	74.828	10.04	10.02	-0.58	
6469.00	72.490	348.260	6153.47	-1.53	228.94	671.88	1660200.76	14330862.97	39°27'50.129"N	80°55'47.648"W	709.81	71.183	8.58	8.44	-1.67	
6474.00†	72.715	348.121	6154.96	3.21	233.61	670.90	1660199.78	14330867.64	39°27'50.175"N	80°55'47.661"W	710.41	70.801	5.22	4.50	-2.77	Tully: 6474' MD
6516.00	74.610	346.970	6166.78	43.25	272.97	662.21	1660191.09	14330901.97	39°27'50.564"N	80°55'47.771"W	716.26	67.598	5.22	4.51	-2.74	
6530.00†	75.380	346.694	6170.40	56.70	286.13	659.13	1660188.01	14330915.14	39°27'50.694"N	80°55'47.810"W	718.55	66.534	5.82	5.50	-1.97	Marcellus POE: 6530' MD
6564.00	77.250	346.030	6178.45	89.59	318.23	651.34	1660180.22	14330947.22	39°27'51.011"N	80°55'47.909"W	724.92	63.961	5.82	5.50	-1.91	
6611.00	79.450	345.110	6187.94	135.48	362.81	639.87	1660168.76	14330991.78	39°27'51.452"N	80°55'48.055"W	735.57	60.446	5.06	4.68	-1.93	
6658.00	82.040	344.040	6195.49	181.78	407.52	627.53	1660156.42	14331036.48	39°27'51.894"N	80°55'48.212"W	748.24	57.000	5.95	5.51	-2.28	
6705.00	84.360	343.330	6201.06	228.39	452.31	614.42	1660143.32	14331081.25	39°27'52.337"N	80°55'48.379"W	762.95	53.641	5.16	4.94	-1.51	
6754.00	87.660	342.150	6204.47	277.25	498.98	599.91	1660128.82	14331127.90	39°27'52.798"N	80°55'48.563"W	780.31	50.248	7.15	6.73	-2.41	
6848.00	89.910	338.640	6206.46	371.20	587.49	568.39	1660097.31	14331216.37	39°27'53.673"N	80°55'48.964"W	817.44	44.053	4.43	2.39	-3.73	
6943.00	90.060	337.820	6206.49	466.08	675.72	533.15	1660062.09	14331304.56	39°27'54.545"N	80°55'49.413"W	860.72	38.274	0.88	0.16	-0.88	
7038.00	89.780	337.220	6206.62	560.90	783.50	496.83	1660025.78	14331392.31	39°27'55.413"N	80°55'49.875"W	910.92	33.053	0.70	-0.29	-0.63	
7133.00	90.120	337.310	6206.70	655.69	851.11	460.12	1659989.08	14331479.89	39°27'56.279"N	80°55'50.342"W	967.52	28.396	0.37	0.36	0.09	
7228.00	89.970	337.850	6206.63	750.52	938.93	423.88	1659952.86	14331567.68	39°27'57.148"N	80°55'50.803"W	1030.18	24.297	0.59	-0.16	0.57	
7323.00	89.940	339.060	6206.70	845.42	1027.29	389.00	1659917.99	14331656.00	39°27'58.021"N	80°55'51.247"W	1098.48	20.740	1.27	-0.03	1.27	
7417.00	90.460	341.610	6206.37	939.40	1115.80	357.37	1659886.37	14331744.47	39°27'58.896"N	80°55'51.650"W	1171.64	17.759	2.77	0.55	2.77	
7512.00	90.490	341.000	6205.59	1034.40	1205.79	326.92	1659855.93	14331834.42	39°27'59.786"N	80°55'52.037"W	1249.32	15.170	0.64	0.03	-0.64	
7607.00	90.460	339.540	6204.80	1129.38	1295.21	294.85	1659823.88	14331923.80	39°28'00.670"N	80°55'52.445"W	1328.34	12.825	1.54	-0.03	-1.54	
7702.00	90.310	338.710	6204.16	1224.32	1383.97	261.00	1659790.04	14332012.53	39°28'01.547"N	80°55'52.876"W	1408.36	10.680	0.89	-0.16	-0.87	
7796.00	90.370	338.280	6203.60	1318.23	1471.42	226.54	1659755.60	14332099.95	39°28'02.412"N	80°55'53.314"W	1488.76	8.753	0.46	0.06	-0.46	
7891.00	90.310	338.770	6203.04	1413.13	1559.82	191.76	1659720.83	14332188.32	39°28'03.286"N	80°55'53.757"W	1571.57	7.009	0.06	-0.06	0.52	
7986.00	90.990	340.860	6201.96	1508.10	1648.98	158.99	1659688.07	14332277.43	39°28'04.167"N	80°55'54.174"W	1656.63	5.507	2.31	0.72	2.20	
8081.00	90.180	340.100	6200.99	1603.09	1738.51	127.25	1659656.34	14332366.93	39°28'05.052"N	80°55'54.576"W	1743.16	4.186	1.17	-0.85	-0.80	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'

Page 6 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (F/100ft)	Build Rate (F/100ft)	Turn Rate (F/100ft)	Comments
8177.00	90.060	340.940	6200.79	1699.08	1829.02	95.23	1659624.34	14332457.40	39°28'05.947"N	80°55'54.985"W	1831.49	2.981	0.88	-0.12	0.87	
8271.00	90.520	343.260	6200.31	1793.06	1918.46	66.34	1659595.46	14332546.81	39°28'06.831"N	80°55'55.353"W	1919.61	1.981	2.52	0.49	2.47	
8367.00	90.370	344.600	6199.57	1888.93	2010.70	39.77	1659568.90	14332639.01	39°28'07.743"N	80°55'55.691"W	2011.10	1.133	1.40	-0.16	1.40	
8462.00	90.400	346.180	6198.93	1983.66	2102.63	15.81	1659544.95	14332730.90	39°28'08.652"N	80°55'55.995"W	2102.68	0.431	1.66	0.03	1.66	
8557.00	90.340	347.850	6198.32	2078.14	2195.19	-5.54	1659523.61	14332823.43	39°28'09.567"N	80°55'56.267"W	2195.20	359.866	1.76	-0.06	1.76	
8652.00	90.520	348.530	6197.60	2172.40	2288.18	-24.98	1659504.18	14332916.38	39°28'10.486"N	80°55'56.514"W	2288.31	359.375	0.74	0.19	0.72	
8748.00	90.310	347.490	6196.91	2267.69	2382.08	-44.92	1659484.25	14333010.24	39°28'11.414"N	80°55'56.767"W	2382.50	358.920	1.11	-0.22	-1.08	
8842.00	90.430	345.200	6196.30	2361.28	2473.41	-67.11	1659462.07	14333101.94	39°28'12.317"N	80°55'57.049"W	2474.32	358.446	2.44	0.13	-2.44	
8938.00	90.370	344.830	6195.63	2457.05	2566.15	-91.93	1659437.25	14333194.23	39°28'13.234"N	80°55'57.365"W	2567.79	357.948	0.39	-0.06	-0.39	
9033.00	91.050	345.390	6194.45	2551.81	2657.95	-116.34	1659412.55	14333286.00	39°28'14.141"N	80°55'57.675"W	2660.49	357.494	0.93	0.72	0.59	
9128.00	90.550	342.880	6193.13	2646.65	2749.31	-142.31	1659386.90	14333377.33	39°28'15.045"N	80°55'58.005"W	2752.99	357.037	2.69	-0.53	-2.64	
9223.00	90.770	341.220	6192.03	2741.63	2839.68	-171.58	1659357.64	14333467.86	39°28'15.938"N	80°55'58.378"W	2844.86	356.542	1.76	0.23	-1.75	
9318.00	90.340	338.150	6191.11	2836.59	2928.76	-204.56	1659324.67	14333556.70	39°28'16.819"N	80°55'58.757"W	2935.89	356.005	3.26	-0.45	-3.23	
9412.00	90.740	336.530	6190.23	2930.38	3015.49	-240.77	1659288.47	14333643.40	39°28'17.676"N	80°55'59.258"W	3025.09	355.435	1.78	0.43	-1.72	
9507.00	90.650	335.810	6189.07	3025.03	3102.39	-279.15	1659250.11	14333730.26	39°28'18.535"N	80°55'59.747"W	3114.92	354.858	0.76	-0.09	-0.76	
9602.00	90.890	334.810	6187.80	3119.54	3188.69	-318.83	1659210.45	14333816.53	39°28'19.389"N	80°56'00.252"W	3204.59	354.290	1.08	0.25	-1.05	
9697.00	90.920	334.410	6186.30	3213.93	3274.51	-359.56	1659169.74	14333902.71	39°28'20.237"N	80°56'00.771"W	3294.19	353.734	0.42	0.03	-0.42	
9791.00	90.740	332.310	6184.94	3307.06	3358.51	-401.70	1659127.61	14333986.28	39°28'21.068"N	80°56'01.307"W	3382.45	353.179	2.24	-0.19	-2.23	
9886.00	90.430	333.500	6183.97	3401.10	3443.08	-444.96	1659084.36	14334070.82	39°28'21.904"N	80°56'01.858"W	3471.72	352.636	1.29	-0.33	1.25	
9980.00	90.490	336.470	6183.21	3494.55	3528.25	-484.71	1659044.64	14334155.95	39°28'22.746"N	80°56'02.364"W	3561.39	352.178	3.16	0.06	3.16	
10075.00	89.290	335.290	6183.39	3589.16	3614.95	-523.53	1659005.83	14334242.82	39°28'23.603"N	80°56'02.858"W	3652.67	351.760	1.77	-1.26	-1.24	
10170.00	90.180	336.830	6183.83	3683.80	3701.78	-562.07	1658967.30	14334329.41	39°28'24.461"N	80°56'03.349"W	3744.21	351.366	1.87	0.94	1.62	
10265.00	90.490	338.540	6183.28	3778.63	3789.66	-598.14	1658931.25	14334417.25	39°28'25.330"N	80°56'03.808"W	3836.57	351.031	1.83	0.33	1.80	
10360.00	90.890	340.230	6182.13	3873.58	3878.56	-631.59	1658897.81	14334506.13	39°28'26.209"N	80°56'04.234"W	3929.65	350.751	1.83	0.42	1.78	
10454.00	91.020	341.710	6180.57	3967.56	3967.41	-662.23	1658867.18	14334594.94	39°28'27.087"N	80°56'04.624"W	4022.30	350.524	1.58	0.14	1.57	
10549.00	90.490	341.220	6179.31	4062.55	4062.43	-692.43	1658837.00	14334684.97	39°28'27.978"N	80°56'05.008"W	4116.14	350.315	0.76	-0.56	-0.52	
10644.00	91.820	342.250	6177.40	4157.52	4147.67	-722.20	1658807.24	14334775.12	39°28'28.869"N	80°56'05.387"W	4210.07	350.123	1.77	1.40	1.08	
10738.00	89.420	341.190	6176.38	4251.50	4236.91	-751.68	1658777.77	14334864.33	39°28'29.752"N	80°56'05.762"W	4303.07	349.940	2.79	-2.55	-1.13	
10834.00	89.350	341.530	6177.41	4347.49	4327.87	-782.36	1658747.10	14334955.25	39°28'30.651"N	80°56'06.152"W	4398.02	349.753	0.36	-0.07	0.35	
10930.00	90.980	342.360	6177.14	4443.48	4419.14	-812.11	1658717.36	14335046.48	39°28'31.553"N	80°56'06.531"W	4493.14	349.587	1.91	1.70	0.86	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 7 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
11025.00	90.340	341.500	6176.04	4538.46	4509.45	-841.57	1658687.91	14335136.75	39°28'32.446"N	80°56'06.906"W	4587.30	349.429	1.13	-0.67	-0.91	
11120.00	90.340	340.660	6175.48	4633.45	4599.31	-872.38	1658657.12	14335226.58	39°28'33.334"N	80°56'07.298"W	4681.31	349.260	0.88	0.00	-0.88	
11215.00	90.520	341.880	6174.77	4728.45	4689.28	-902.88	1658626.63	14335316.51	39°28'34.224"N	80°56'07.686"W	4775.41	349.102	1.30	0.19	1.28	
11311.00	90.620	342.070	6173.81	4824.43	4780.56	-932.59	1658596.94	14335407.76	39°28'35.126"N	80°56'08.064"W	4870.67	348.961	0.22	0.10	0.20	
11407.00	90.090	340.620	6173.22	4920.43	4871.51	-963.29	1658566.24	14335498.67	39°28'36.025"N	80°56'08.455"W	4965.84	348.815	1.61	-0.55	-1.51	
11504.00	90.310	341.150	6172.88	5017.43	4963.16	-995.05	1658534.49	14335590.29	39°28'36.931"N	80°56'08.859"W	5061.93	348.663	0.59	0.23	0.55	
11600.00	91.750	342.370	6171.15	5113.40	5054.32	-1025.10	1658504.46	14335681.41	39°28'37.832"N	80°56'09.241"W	5157.23	348.535	1.97	1.50	1.27	
11695.00	88.980	341.620	6170.55	5208.37	5144.66	-1054.46	1658475.11	14335771.71	39°28'38.725"N	80°56'09.615"W	5251.61	348.417	3.02	-2.92	-0.79	
11791.00	89.970	342.650	6171.43	5304.35	5236.02	-1083.91	1658445.68	14335863.04	39°28'39.629"N	80°56'09.990"W	5347.03	348.304	1.49	1.03	1.07	
11886.00	90.620	345.370	6170.94	5399.21	5327.34	-1110.07	1658419.52	14335954.31	39°28'40.531"N	80°56'10.322"W	5441.76	348.230	2.94	0.68	2.86	
11982.00	90.490	346.430	6170.01	5494.87	5420.44	-1133.46	1658396.15	14336047.38	39°28'41.452"N	80°56'10.620"W	5537.68	348.189	1.11	-0.14	1.10	
12077.00	90.740	347.720	6168.99	5589.33	5513.02	-1154.71	1658374.91	14336139.93	39°28'42.367"N	80°56'10.890"W	5632.65	348.170	1.38	0.26	1.36	
12172.00	90.710	347.070	6167.78	5683.75	5605.73	-1175.44	1658354.18	14336232.59	39°28'43.283"N	80°56'11.153"W	5727.64	348.158	0.68	-0.03	-0.68	
12267.00	90.740	345.940	6166.58	5778.31	5698.09	-1197.60	1658332.03	14336324.92	39°28'44.196"N	80°56'11.435"W	5822.59	348.131	1.19	0.03	-1.19	
12362.00	90.860	344.590	6165.26	5873.04	5789.96	-1221.76	1658307.88	14336416.75	39°28'45.104"N	80°56'11.743"W	5917.46	348.085	1.43	0.13	-1.43	
12457.00	90.310	343.310	6164.29	5967.91	5881.25	-1248.03	1658281.62	14336508.01	39°28'46.007"N	80°56'12.077"W	6012.21	348.019	1.47	-0.58	-1.35	
12552.00	90.250	339.260	6163.82	6062.89	5971.21	-1278.50	1658251.16	14336597.93	39°28'46.896"N	80°56'12.465"W	6106.54	347.915	4.26	-0.06	-4.26	
12647.00	90.340	338.040	6163.33	6157.80	6059.68	-1313.09	1658216.59	14336686.37	39°28'47.771"N	80°56'12.905"W	6200.32	347.773	1.29	0.09	-1.28	
12742.00	90.520	340.230	6162.62	6252.74	6148.45	-1346.92	1658182.77	14336775.09	39°28'48.648"N	80°56'13.336"W	6294.25	347.644	2.31	0.19	2.31	
12838.00	90.370	343.730	6161.87	6348.71	6239.72	-1376.61	1658153.09	14336866.33	39°28'49.551"N	80°56'13.713"W	6389.77	347.559	3.65	-0.16	3.65	
12932.00	90.220	346.510	6161.39	6442.47	6330.56	-1400.75	1658128.96	14336957.13	39°28'50.448"N	80°56'14.020"W	6483.68	347.523	2.96	-0.16	2.96	
13027.00	89.720	344.110	6161.44	6537.20	6422.45	-1424.84	1658104.88	14337048.98	39°28'51.357"N	80°56'14.327"W	6578.60	347.491	2.58	-0.53	-2.53	
13121.00	90.310	342.570	6161.41	6631.12	6512.50	-1451.78	1658077.95	14337139.00	39°28'52.247"N	80°56'14.670"W	6672.35	347.433	1.75	0.63	-1.64	
13217.00	90.340	340.580	6160.87	6727.11	6603.57	-1482.12	1658047.62	14337230.04	39°28'53.147"N	80°56'15.056"W	6767.85	347.350	2.07	0.03	-2.07	
13311.00	90.220	338.880	6160.41	6821.08	6691.74	-1514.69	1658015.07	14337318.17	39°28'54.019"N	80°56'15.470"W	6861.03	347.246	1.81	-0.13	-1.81	
13407.00	90.370	337.950	6159.92	6916.98	6781.01	-1550.00	1657979.77	14337407.40	39°28'54.902"N	80°56'15.920"W	6955.90	347.125	0.98	0.16	-0.97	
13502.00	90.310	338.430	6159.35	7011.85	6869.21	-1585.30	1657944.49	14337495.57	39°28'55.773"N	80°56'16.369"W	7049.76	347.005	0.51	-0.06	0.51	
13598.00	90.280	338.760	6158.86	7107.76	6958.58	-1620.33	1657909.46	14337584.91	39°28'56.657"N	80°56'16.815"W	7144.74	346.892	0.35	-0.03	0.34	
13692.00	90.250	338.150	6158.42	7201.67	7046.01	-1654.85	1657874.96	14337672.30	39°28'57.521"N	80°56'17.255"W	7237.74	346.783	0.65	-0.03	-0.65	
13787.00	90.370	337.590	6157.91	7296.52	7134.01	-1690.64	1657839.19	14337760.27	39°28'58.391"N	80°56'17.710"W	7331.60	346.668	0.80	0.13	-0.59	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 8 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude (ft)	Longitude (ft)	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (ft/100ft)	Turn Rate (°/100ft)	Comments
13881.00	90.180	338.210	6157.46	7390.37	7221.11	-1726.01	1657803.84	14337847.33	39°28'59.252"N	80°56'18.161"W	7424.52	346.557	0.69	-0.20	0.68	
13977.00	89.910	338.450	6157.38	7486.26	7310.32	-1761.45	1657768.40	14337936.50	39°29'00.134"N	80°56'18.612"W	7519.54	346.453	0.38	-0.28	0.21	
14072.00	90.120	339.560	6157.36	7581.20	7398.01	-1795.49	1657734.38	14338025.16	39°29'01.011"N	80°56'19.045"W	7613.75	346.360	1.19	0.22	1.17	
14166.00	89.910	339.960	6157.33	7675.18	7487.21	-1828.01	1657701.87	14338113.32	39°29'01.883"N	80°56'19.459"W	7707.13	346.280	0.48	-0.22	0.43	
14261.00	90.250	341.030	6157.20	7770.17	7576.76	-1859.73	1657670.17	14338202.83	39°29'02.768"N	80°56'19.863"W	7801.65	346.209	1.18	0.36	1.13	
14354.00	90.430	342.620	6156.65	7863.16	7665.11	-1888.74	1657641.17	14338291.15	39°29'03.642"N	80°56'20.232"W	7894.38	346.158	1.72	0.19	1.71	
14449.00	90.310	344.910	6156.04	7958.04	7756.32	-1915.29	1657614.62	14338382.32	39°29'04.543"N	80°56'20.570"W	7989.29	346.129	2.41	-0.13	2.41	
14544.00	90.430	345.990	6155.42	8052.76	7848.27	-1939.16	1657590.77	14338474.23	39°29'05.452"N	80°56'20.874"W	8084.28	346.121	1.14	0.13	1.14	
14639.00	90.430	345.740	6154.71	8147.42	7940.39	-1962.36	1657567.58	14338566.32	39°29'06.363"N	80°56'21.169"W	8179.28	346.118	0.26	0.00	-0.26	
14733.00	90.340	343.290	6154.08	8241.24	8030.96	-1987.45	1657542.49	14338656.86	39°29'07.258"N	80°56'21.488"W	8273.23	346.100	2.61	-0.10	-2.61	
14829.00	90.370	342.520	6153.48	8337.19	8122.72	-2015.67	1657514.29	14338748.58	39°29'08.165"N	80°56'21.847"W	8369.08	346.063	0.80	0.03	-0.81	
14924.00	89.940	342.280	6153.23	8432.16	8213.27	-2044.40	1657485.67	14338839.09	39°29'09.080"N	80°56'22.213"W	8463.89	346.022	0.52	-0.45	-0.25	
15019.00	89.940	341.960	6153.32	8527.15	8303.69	-2073.56	1657456.42	14338929.47	39°29'09.954"N	80°56'22.584"W	8558.67	345.979	0.34	0.00	-0.34	
15114.00	89.880	341.550	6153.47	8622.14	8393.91	-2103.31	1657426.69	14339019.66	39°29'10.846"N	80°56'22.963"W	8653.42	345.933	0.44	-0.06	-0.43	
15208.00	90.250	342.520	6153.37	8716.13	8483.32	-2132.30	1657397.71	14339109.04	39°29'11.730"N	80°56'23.332"W	8747.20	345.891	1.10	0.36	1.03	
15303.00	90.220	343.960	6152.98	8811.05	8574.29	-2159.69	1657370.32	14339199.96	39°29'12.629"N	80°56'23.680"W	8842.10	345.862	1.52	-0.03	1.52	
15397.00	90.180	343.230	6152.65	8904.96	8664.46	-2186.24	1657343.79	14339290.10	39°29'13.521"N	80°56'24.018"W	8936.02	345.839	0.78	-0.04	-0.78	
15492.00	90.150	342.870	6152.38	8999.90	8755.33	-2213.94	1657316.10	14339380.93	39°29'14.419"N	80°56'24.371"W	9030.91	345.809	0.38	-0.03	-0.38	
15588.00	90.150	341.910	6152.12	9095.88	8846.83	-2242.98	1657287.07	14339472.40	39°29'15.323"N	80°56'24.740"W	9126.74	345.773	1.00	0.00	-1.00	
15683.00	90.150	339.740	6151.88	9190.87	8936.55	-2274.18	1657255.88	14339562.08	39°29'16.210"N	80°56'25.137"W	9221.38	345.722	2.28	0.00	-2.28	
15778.00	90.860	338.670	6151.04	9285.81	9025.36	-2307.91	1657222.17	14339650.85	39°29'17.088"N	80°56'25.567"W	9315.77	345.656	1.35	0.75	-1.13	
15873.00	91.050	339.440	6149.46	9380.74	9114.07	-2341.86	1657188.23	14339739.53	39°29'17.965"N	80°56'25.999"W	9410.13	345.590	0.83	0.20	0.81	
15968.00	90.770	340.060	6147.95	9475.70	9203.19	-2374.74	1657155.36	14339828.61	39°29'18.846"N	80°56'26.418"W	9504.63	345.531	0.72	-0.29	0.65	
16063.00	90.710	340.550	6146.72	9570.69	9292.62	-2406.75	1657123.36	14339918.01	39°29'19.730"N	80°56'26.825"W	9599.23	345.480	0.52	-0.06	0.52	
16158.00	90.770	341.660	6145.49	9665.68	9382.49	-2437.51	1657092.62	14340007.84	39°29'20.619"N	80°56'27.217"W	9693.95	345.437	1.17	0.06	1.17	
16254.00	90.400	342.110	6144.51	9761.66	9473.73	-2467.36	1657062.78	14340099.04	39°29'21.521"N	80°56'27.597"W	9789.76	345.402	0.61	-0.39	0.47	
16349.00	89.570	340.460	6144.54	9856.66	9563.70	-2497.84	1657032.31	14340188.98	39°29'22.410"N	80°56'27.985"W	9884.51	345.363	1.94	-0.87	-1.74	
16444.00	89.660	340.230	6145.18	9951.65	9653.17	-2529.79	1657000.37	14340278.41	39°29'23.295"N	80°56'28.392"W	9979.15	345.315	0.26	0.09	-0.24	
16539.00	89.110	338.400	6146.20	10046.59	9742.03	-2563.35	1656966.63	14340367.24	39°29'24.173"N	80°56'28.819"W	10073.63	345.258	2.01	-0.58	-1.93	
16634.00	89.110	337.940	6147.67	10141.46	9830.21	-2598.67	1656931.52	14340455.38	39°29'25.045"N	80°56'29.269"W	10167.89	345.192	0.48	0.00	-0.48	





# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 9 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 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 (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
16729.00	89.203	339.303	6149.07	10236.36	9918.66	-2633.30	1656896.91	14340543.79	39°29'25.919"N	80°56'29.710"W	10282.26	345.132	1.43	0.09	1.43	
16823.00	89.170	340.820	6150.41	10330.34	10007.01	-2665.35	1656864.87	14340632.11	39°29'26.793"N	80°56'30.118"W	10355.89	345.086	1.62	-0.03	1.62	
16918.00	89.140	341.010	6151.81	10425.33	10096.78	-2696.41	1656833.82	14340721.84	39°29'27.680"N	80°56'30.513"W	10450.63	345.048	0.20	-0.03	0.20	
17014.00	89.110	342.260	6153.28	10521.31	10187.88	-2726.65	1656803.59	14340812.91	39°29'28.581"N	80°56'30.898"W	10546.45	345.017	1.30	-0.03	1.30	
17108.00	89.170	343.610	6154.69	10615.24	10277.73	-2754.23	1656776.02	14340902.72	39°29'29.469"N	80°56'31.249"W	10640.37	344.998	1.44	0.06	1.44	
17202.00	89.110	343.130	6156.10	10709.16	10367.79	-2781.13	1656749.14	14340992.74	39°29'30.359"N	80°56'31.592"W	10734.32	344.984	0.51	-0.06	-0.51	
17297.00	89.140	343.090	6157.55	10804.09	10458.68	-2808.73	1656721.55	14341083.60	39°29'31.258"N	80°56'31.943"W	10829.26	344.968	0.05	0.03	-0.04	
17391.00	88.770	340.970	6159.26	10898.05	10548.07	-2837.72	1656692.57	14341172.95	39°29'32.141"N	80°56'32.312"W	10923.92	344.942	2.29	-0.39	-2.26	
17485.00	88.740	341.870	6161.31	10992.03	10637.15	-2867.67	1656662.63	14341262.92	39°29'33.022"N	80°56'32.693"W	11016.92	344.912	0.96	-0.03	0.96	
17580.00	88.740	341.440	6163.39	11087.00	10727.30	-2897.56	1656632.75	14341352.11	39°29'33.913"N	80°56'33.074"W	11111.74	344.885	0.45	0.00	-0.45	
17674.00	88.770	341.970	6165.44	11180.97	10816.53	-2927.06	1656603.27	14341441.30	39°29'34.795"N	80°56'33.449"W	11205.58	344.858	0.56	0.03	0.56	
17769.00	89.080	341.400	6167.22	11275.95	10906.70	-2956.91	1656573.43	14341531.44	39°29'35.687"N	80°56'33.829"W	11300.42	344.831	0.68	0.33	-0.60	
17865.00	89.690	340.620	6168.25	11371.94	10997.47	-2988.14	1656542.21	14341622.17	39°29'36.584"N	80°56'34.227"W	11396.20	344.799	1.03	0.64	-0.81	
17960.00	89.750	339.580	6168.71	11466.92	11086.79	-3020.48	1656509.88	14341711.46	39°29'37.467"N	80°56'34.639"W	11490.88	344.760	1.10	0.05	-1.09	
18055.00	89.720	337.510	6169.15	11561.83	11175.20	-3055.22	1656475.15	14341799.84	39°29'38.341"N	80°56'35.081"W	11585.32	344.709	2.18	-0.03	-2.18	
18150.00	89.630	337.390	6169.69	11656.64	11262.94	-3091.65	1656438.74	14341887.54	39°29'39.208"N	80°56'35.545"W	11679.56	344.650	0.16	-0.05	-0.13	
18244.00	89.720	336.590	6170.23	11750.40	11349.46	-3128.40	1656402.01	14341974.02	39°29'40.064"N	80°56'36.013"W	11772.73	344.590	0.86	0.10	-0.88	
18339.00	89.660	337.120	6170.74	11845.14	11436.81	-3165.74	1656364.68	14342061.34	39°29'40.927"N	80°56'36.489"W	11866.87	344.528	0.56	-0.05	0.56	
18434.00	89.720	338.070	6171.25	11939.96	11524.64	-3201.95	1656328.49	14342149.13	39°29'41.795"N	80°56'36.950"W	11961.18	344.473	1.00	0.06	1.00	
18530.00	89.780	338.690	6171.67	12036.86	11613.88	-3237.32	1656293.13	14342238.34	39°29'42.678"N	80°56'37.400"W	12056.64	344.424	0.65	0.06	0.65	
18625.00	89.690	340.260	6172.11	12130.82	11702.85	-3270.62	1656259.84	14342327.27	39°29'43.557"N	80°56'37.825"W	12151.28	344.386	1.66	-0.09	1.65	
18721.00	89.750	341.270	6172.58	12226.81	11793.49	-3302.25	1656228.23	14342417.87	39°29'44.453"N	80°56'38.227"W	12247.09	344.357	1.05	0.06	1.05	
18816.00	89.720	341.920	6173.02	12321.81	11883.63	-3332.24	1656198.24	14342507.97	39°29'45.344"N	80°56'38.609"W	12341.98	344.336	0.68	-0.03	0.68	
18911.00	90.400	344.040	6172.92	12416.75	11974.46	-3360.05	1656170.45	14342598.77	39°29'46.242"N	80°56'38.963"W	12436.95	344.326	2.34	0.72	2.23	
19007.00	89.940	342.700	6172.64	12512.67	12066.44	-3387.52	1656142.99	14342690.71	39°29'47.151"N	80°56'39.313"W	12532.93	344.318	1.48	-0.48	-1.40	
19102.00	89.750	342.480	6172.89	12607.63	12157.09	-3415.95	1656114.57	14342781.32	39°29'48.047"N	80°56'39.675"W	12627.89	344.305	0.31	-0.21	-0.23	
19197.00	89.780	340.810	6173.28	12702.62	12247.25	-3445.86	1656084.67	14342871.45	39°29'48.939"N	80°56'40.056"W	12722.78	344.286	1.76	0.03	-1.76	
19292.00	89.720	339.380	6173.70	12797.61	12336.57	-3478.20	1656052.34	14342960.74	39°29'49.822"N	80°56'40.468"W	12817.52	344.255	1.51	-0.06	-1.51	
19388.00	89.690	338.820	6174.19	12893.55	12426.25	-3512.45	1656018.11	14343050.38	39°29'50.708"N	80°56'40.904"W	12913.14	344.216	0.58	-0.03	-0.58	
19483.00	90.120	338.360	6174.35	12988.46	12514.70	-3547.13	1655983.44	14343138.79	39°29'51.593"N	80°56'41.345"W	13007.68	344.175	0.66	0.45	-0.48	



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 10 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## WELLPATH DATA (262 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
19578.00	90.580	339.790	6173.77	13083.40	12603.43	-3581.06	1655949.53	14343227.49	39°29'52.460"N	80°56'41.777"W	13102.30	344.138	1.58	0.43	1.51	
19673.00	90.250	339.410	6173.08	13178.36	12692.47	-3614.17	1655916.43	14343316.49	39°29'53.340"N	80°56'42.199"W	13197.01	344.106	0.53	-0.35	-0.40	
19768.00	90.250	337.640	6172.67	13273.27	12780.87	-3648.95	1655881.67	14343404.85	39°29'54.214"N	80°56'42.642"W	13291.55	344.066	1.86	0.00	-1.86	
19864.00	90.180	336.470	6172.31	13369.03	12869.27	-3686.37	1655844.26	14343493.22	39°29'55.088"N	80°56'43.119"W	13386.84	344.016	1.22	-0.07	-1.22	
19958.00	90.180	337.410	6172.01	13462.79	12955.76	-3723.19	1655807.45	14343579.67	39°29'55.943"N	80°56'43.588"W	13480.13	343.967	1.00	0.06	1.00	
20054.00	89.780	338.540	6172.04	13558.64	13044.75	-3759.19	1655771.47	14343668.63	39°29'56.823"N	80°56'44.046"W	13575.60	343.924	1.25	-0.42	1.18	
20149.00	89.780	340.250	6172.41	13653.60	13133.67	-3792.62	1655738.05	14343757.51	39°29'57.702"N	80°56'44.472"W	13670.31	343.893	1.80	0.00	1.80	
20244.00	89.350	339.240	6173.13	13748.57	13222.79	-3825.51	1655705.18	14343846.60	39°29'58.583"N	80°56'44.891"W	13765.05	343.884	1.16	-0.45	-1.06	
20339.00	89.720	339.930	6173.90	13843.54	13311.82	-3858.65	1655672.05	14343935.59	39°29'59.463"N	80°56'45.313"W	13859.79	343.835	0.82	0.33	0.73	
20435.00	89.750	340.830	6174.35	13939.53	13402.24	-3890.88	1655639.83	14344025.98	39°30'00.357"N	80°56'45.724"W	13955.61	343.811	0.94	0.03	0.94	
20531.00	89.820	343.090	6174.71	14035.51	13493.52	-3920.61	1655610.12	14344117.22	39°30'01.259"N	80°56'46.102"W	14051.56	343.799	2.36	0.07	2.35	
20626.00	89.880	344.660	6174.95	14130.39	13584.78	-3946.99	1655583.74	14344208.44	39°30'02.161"N	80°56'46.438"W	14146.55	343.799	1.65	0.06	1.65	
20721.00	89.850	345.340	6175.18	14225.16	13676.54	-3971.58	1655559.17	14344300.17	39°30'03.068"N	80°56'46.751"W	14241.53	343.807	0.72	-0.03	0.72	
20816.00	89.820	345.320	6175.45	14319.90	13768.44	-3995.64	1655535.12	14344392.03	39°30'03.976"N	80°56'47.057"W	14336.50	343.817	0.04	-0.03	-0.02	
20912.00	89.880	345.250	6175.70	14415.64	13861.29	-4020.02	1655510.74	14344484.88	39°30'04.894"N	80°56'47.368"W	14432.47	343.827	0.10	0.06	-0.07	
21007.00	89.850	346.780	6175.93	14510.28	13953.48	-4042.98	1655487.79	14344576.99	39°30'05.805"N	80°56'47.660"W	14527.39	343.841	1.61	-0.03	1.61	
21103.00	89.910	348.040	6176.13	14605.69	14047.16	-4063.90	1655466.88	14344670.64	39°30'06.732"N	80°56'47.926"W	14623.21	343.865	1.31	0.06	1.31	
21199.00	89.910	346.860	6176.28	14701.09	14140.87	-4084.76	1655446.02	14344764.31	39°30'07.658"N	80°56'48.191"W	14719.02	343.888	1.23	0.00	-1.23	
21295.00	89.880	343.170	6176.45	14796.85	14233.59	-4109.58	1655421.22	14344856.99	39°30'08.574"N	80°56'48.507"W	14814.98	343.895	3.84	-0.03	-3.84	
21390.00	89.910	339.620	6176.63	14891.83	14323.61	-4139.89	1655390.92	14344946.98	39°30'09.464"N	80°56'48.893"W	14909.88	343.879	3.74	0.03	-3.74	
21440.00	89.880	337.840	6176.72	14941.79	14370.20	-4158.02	1655372.79	14344993.55	39°30'09.925"N	80°56'49.124"W	14959.67	343.862	3.56	-0.06	-3.56	
21464.00	89.880	337.840	6176.77	14965.75	14392.43	-4167.08	1655363.75	14345015.77	39°30'10.145"N	80°56'49.239"W	14983.54	343.853	0.00	0.00	0.00	Projected MD at TD: 21464'



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'  
Page 11 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	Slot #06
ANTERO RESOURCES CORPORATION	Weese Unit 2H
Tyler County, WV	Weese Unit 2H AWB
Tyler	
Kirk Hadley Pad	

## HOLE & CASING SECTIONS - Ref Wellbore: Weese Unit 2H AWB Ref Wellpath: Weese Unit 2H AWP Proj: 21464'

String/Diameter	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start N/S (ft)	End N/S (ft)	Start E/W (ft)	End E/W (ft)
20in Conductor	25.00	105.00	80.00	25.00	105.00	0.00	-0.24	0.00	-0.04
17.5in Open Hole	105.00	485.00	380.00	105.00	485.00	-0.24	-1.18	-0.04	-0.54
13.375in Casing Surface	25.00	475.60	450.60	25.00	475.60	0.00	-1.19	0.00	-0.55
12.25in Open Hole	485.00	2587.50	2102.50	485.00	2587.18	-1.18	12.44	-0.54	-2.78
9.625in Casing Intermediate	25.00	2577.60	2552.60	25.00	2577.28	0.00	12.42	0.00	-2.72
8.75in Open Hole	2587.50	5953.00	3365.50	2587.18	5822.49	12.44	-139.41	-2.78	750.21
8.5in Open Hole	5953.00	21464.00	15511.00	5822.49	6176.77	-139.41	14392.43	750.21	-4167.08
5.5in Casing Production	25.00	21464.00	21439.00	25.00	6176.77	0.00	14392.43	0.00	-4167.08

## TARGETS

Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
Weese Unit 2H POE Rev-1	6169.00	265.94	670.76	1660199.64	14330894.95	39°27'50.494"N	80°55'47.662"W	point
Weese Unit 2H BHL Rev-1	6206.00	14374.31	-4171.08	1655359.74	14344997.66	39°30'09.966"N	80°56'49.291"W	point

## WELLPATH COMPOSITION - Ref Wellbore: Weese Unit 2H AWB Ref Wellpath: Weese Unit 2H AWP Proj: 21464'

Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment
25.00	642.00	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MS Gyro <12-1/4">(100'-642')
642.00	2506.00	OWSG MWD rev2 + HRGM	02 WFT EM <12-1/4">(642'-2506')
2506.00	5885.00	OWSG MWD rev2 + HRGM	03 WFT EM <8-3/4">(2506'-5885')
5885.00	21440.00	BHI AutoTrak Curve (Short)	04 BH AT Curve <8-1/2">(5885'-21440')
21440.00	21464.00	Blind Drilling (std)	Projection to bit



# Actual Wellpath Report

Weese Unit 2H AWP Proj: 21464'

Page 12 of 12



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Weese Unit 2H
Field	Tyler	Wellbore	Weese Unit 2H AWB
Facility	Kirk Hadley Pad		

## COMMENTS

Wellpath general comments  
 API: 47-095-02553-0000  
 BHI Job #: 110037505A  
 Rig: Patterson 342  
 Duration: 09/30/2019-10/04/2019  
 Gyrodatta MS Gyro <12-1/4">(100'-642')  
 WFT EM <12-1/4">(642')(742'-2506')  
 WFT EM <8-3/4">(2506')(2665'-5885')  
 BH AT Curve <8-1/2">(5885')(5931'-21440')  
 Middlesex: 6241' MD  
 Burkett: 6417' MD  
 Tully: 6474' MD  
 Marcellus POE: 6530' MD  
 Projected MD at TD: 21464'