



ANTERO RESOURCES CORPORATION

Location: Doddridge Co., WV
 Field: Doddridge
 Facility: Strickling Pad

Slot: Slot #09
 Well: Taurus Unit 2H
 Wellbore: Taurus Unit 2H PWB



Plot reference wellpath is Taurus Unit 2H PWP Rev-A.0
 True vertical depths are referenced to Frontier 22 (RKB)
 Measured depths are referenced to Frontier 22 (RKB)
 Frontier 22 (RKB) to Mean Sea Level: 1089.5 feet
 Mean Sea Level to Ground level (At Slot: Slot #09): -1065 feet
 Coordinates are in feet referenced to Spt.

Grid System: NAD27 / UTM Zone 17 North, US feet
 North Reference: Grid north
 Scale: True distance
 Depths are in feet
 Created by: mcrnrib on 2018-05-24
 Database: WA_MPL_EASTERUS_Defn

Slot	Well	Wellbore	Wellpath
Slot #09	Taurus Unit 2H	Taurus Unit 2H AWB	Taurus Unit 2H AWB Proj: 16627
Slot #09	Taurus Unit 2H	Taurus Unit 2H PWB	Taurus Unit 2H PWP Rev-A.0

Gyrodata MS Gyro <17-1/2">(100-313) : 0.30° Inc, 109.50ft MD, 109.50ft TVD, -0.03ft VS
 Gyrodata MS Gyro <12-1/4">(313)(341-618) : 0.10° Inc, 350.50ft MD, 350.50ft TVD, -0.02ft VS
 WFT EM <12-1/4">(618)(758-2501) : 5.98° Inc, 767.50ft MD, 766.87ft TVD, -18.28ft VS

Well Profile Data						
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	VS (ft)
Tie On	6859.50	60.730	351.810	6668.27	-11.45	-29.95
Proj. To Bottom	6934.50	68.180	348.490	6700.59	55.15	36.23
Landing Pt.	7101.28	90.000	342.185	6732.00	212.46	197.73
On Azimuth	7257.24	90.000	338.290	6732.00	359.20	353.57
BHL	16660.83	90.000	338.290	6732.00	9095.76	9757.16

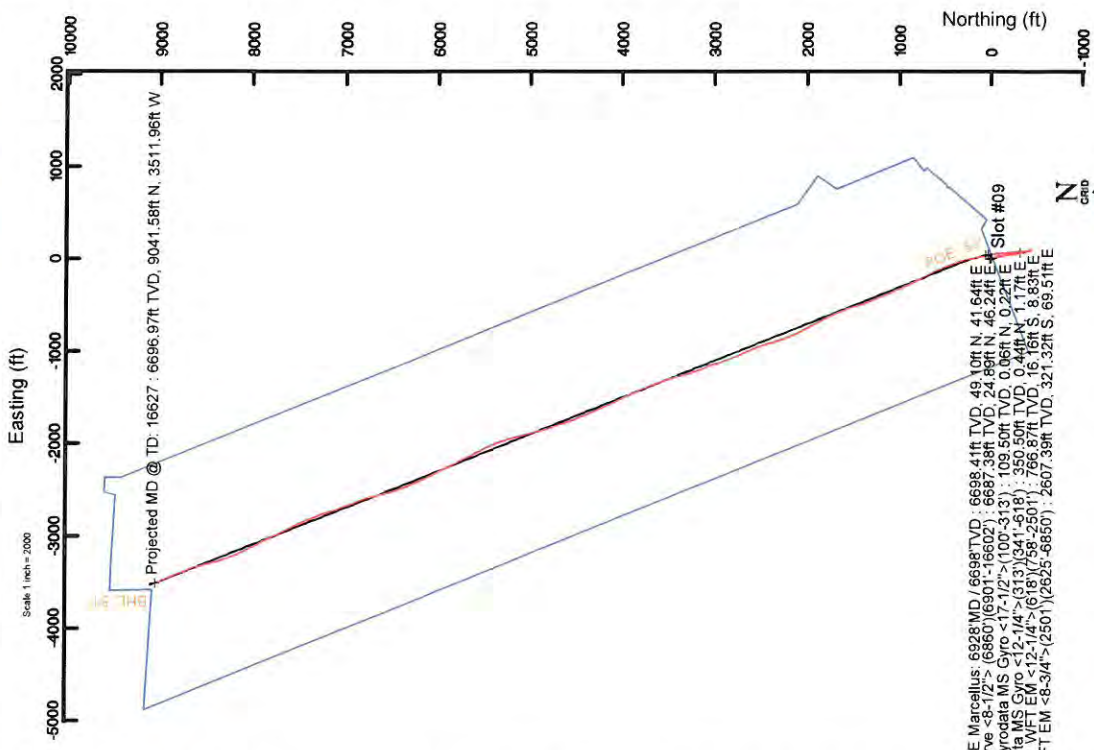
WFT EM <8-3/4">(2501)(2625-6850) : 10.34° Inc, 2634.50ft MD, 2607.39ft TVD, -324.24ft VS

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Strickling Pad	1701583.170	14282960.060	80°47'01.270"W
Slot	Local N (ft)	Grid East (US ft)	Grid North (US ft)
Slot #09	-1.04	1701573.750	14282959.025
Comment	Taurus Unit 2H		
Frontier 22 (RKB) to Ground level (At Slot: Slot #09)	24.5ft		
Mean Sea Level to Ground level (At Slot: Slot #09)	-1065ft		
Frontier 22 (RKB) to Mean Sea Level	1089.5ft		

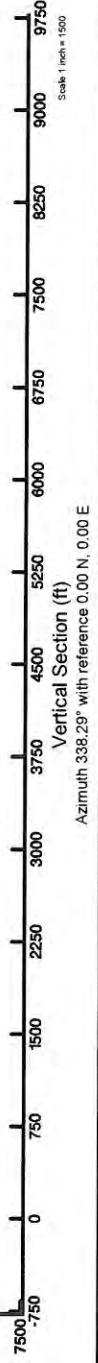
API: 47-017-06841-0000
 BH Job #: 9154198
 Rig: Frontier 22
 Duration: 05/08/18 - 05/10/18

BH AT Curve <8-1/2">(6860)(6901-76602) : 64.42° Inc, 6901.00ft MD, 6687.38ft TVD, 6.02ft VS
 POE Marcellus: 6928MD / 6698TVD : 67.37° Inc, 6928.00ft MD, 6698.41ft TVD, 30.21ft VS

Projected MD @ TD: 16627 - 90.49° Inc, 16627.00ft MD, 6696.97ft TVD, 9699.35ft VS



Use specified Dip: 68.56°
 Magnetic North is 7.65 degrees West of True North
 Grid North is 0.14 degrees East of True North
 To correct azimuth from True to Grid subtract 0.14 degrees
 To correct azimuth from Magnetic to Grid subtract 7.79 degrees





Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION		
Operator	ANTERO RESOURCES CORPORATION	Slot #09
Area	Doddridge Co., WV	Taunus Unit 2H
Field	Doddridge	Taunus Unit 2H AWB
Facility	Strickling Pad	

REPORT SETUP INFORMATION		
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System
North Reference	Grid	WellArchitect® 5.1
Scale	0.999604	User
Convergence at slot	0.14° East	Report Generated
		5/24/2018 at 3:58:13 PM
		Database/Source file
		WA_MPL_EASTERNUS_Defnr/Taunus_Unit_2H_AWP_Proj_16627_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North [ft]	East [ft]	Northing [US ft]	Latitude	Longitude	
Slot Location	-1.04	-9.42	1701573.75	39°19'55.880"N	80°47'01.390"W	
Facility Reference Pt			1701583.17	39°19'55.890"N	80°47'01.270"W	
Field Reference Pt			0.00	0°00'00.000"	85°29'19.301"W	

WELLPATH DATUM		
Calculation method	Minimum curvature	Frontier 22 (RKB) to Facility Vertical Datum
Horizontal Reference Pt	Slot	Frontier 22 (RKB) to Mean Sea Level
Vertical Reference Pt	Frontier 22 (RKB)	Frontier 22 (RKB) to Ground Level at Slot (Slot #09)
MD Reference Pt	Frontier 22 (RKB)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth
		24.50ft
		1089.50ft
		24.50ft
		N 0.00, E 0.00 ft
		338.29°

02/15/2019



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627



Page 2 of 10

REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #09
Operator	ANTERO RESOURCES CORPORATION	Well	Taunus Unit 2H
Area	Doddridge Co., WV	Wellbore	Taunus Unit 2H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (204 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	0.00	75.150	0.00	0.00	0.00	0.00	1701573.75	14282959.02	39°19'55.880"N	80°47'01.390"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.000	75.150	24.50	0.00	0.00	0.00	1701573.75	14282959.02	39°19'55.880"N	80°47'01.390"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.300	75.150	109.50	-0.03	0.06	0.22	1701573.96	14282959.08	39°19'55.881"N	80°47'01.387"W	0.22	75.150	0.35	0.35	88.41	Gyrodatta MS Gyro <17-1/2">(100-313)
209.50	0.210	63.720	209.50	-0.04	0.21	0.63	1701574.38	14282959.23	39°19'55.882"N	80°47'01.382"W	0.66	72.019	0.10	-0.09	-11.43	
309.50	0.280	71.910	309.50	-0.04	0.36	1.03	1701574.78	14282959.39	39°19'55.884"N	80°47'01.377"W	1.09	70.605	0.08	0.07	8.19	
322.50	0.310	65.650	322.50	-0.04	0.39	1.09	1701574.84	14282959.41	39°19'55.884"N	80°47'01.376"W	1.16	70.491	0.34	0.23	-48.15	
350.50	0.100	24.520	350.50	-0.02	0.44	1.17	1701574.92	14282959.46	39°19'55.884"N	80°47'01.375"W	1.25	69.393	0.87	-0.75	-146.89	Gyrodatta MS Gyro <12-1/4">(313)(341-618)
448.50	0.500	145.630	448.50	-0.38	0.16	1.45	1701575.20	14282959.53	39°19'55.882"N	80°47'01.372"W	1.46	83.498	0.57	0.41	123.58	
537.50	1.970	151.050	537.47	-2.28	-1.49	2.41	1701576.16	14282957.57	39°19'55.865"N	80°47'01.359"W	2.83	121.831	1.66	1.65	6.09	
627.50	3.590	153.670	627.36	-6.62	-5.37	4.41	1701578.15	14282953.65	39°19'55.827"N	80°47'01.334"W	6.95	140.652	1.81	1.80	2.91	
767.50	5.980	160.090	766.87	-18.28	-16.16	8.83	1701582.58	14282942.87	39°19'55.720"N	80°47'01.278"W	18.42	151.337	1.75	1.71	4.59	WFT EM <12-1/4">(618)(758-2501)
826.50	7.020	162.130	825.49	-24.95	-22.48	10.99	1701584.73	14282936.55	39°19'55.658"N	80°47'01.251"W	25.02	153.955	1.81	1.76	3.46	
922.50	7.970	163.470	920.67	-37.43	-34.45	14.68	1701588.42	14282924.59	39°19'55.539"N	80°47'01.204"W	37.44	156.916	1.01	0.99	1.40	
1016.50	8.670	163.630	1013.68	-50.98	-47.49	18.53	1701592.27	14282911.55	39°19'55.410"N	80°47'01.156"W	50.98	158.683	0.75	0.74	0.17	
1110.50	9.340	165.430	1106.52	-65.60	-61.67	22.45	1701596.19	14282897.38	39°19'55.270"N	80°47'01.106"W	65.63	159.999	0.77	0.71	1.91	
1203.50	9.200	166.590	1198.30	-80.45	-76.21	26.07	1701599.81	14282882.85	39°19'55.126"N	80°47'01.061"W	80.54	161.113	0.25	-0.15	1.24	
1298.50	9.520	167.130	1292.04	-95.72	-91.25	29.58	1701603.32	14282867.81	39°19'54.977"N	80°47'01.016"W	95.93	162.037	0.35	0.34	0.58	
1392.50	9.980	170.910	1478.15	-127.88	-123.70	35.03	1701608.76	14282835.37	39°19'54.657"N	80°47'00.979"W	111.98	163.121	1.20	0.84	4.98	
1487.50	10.380	170.290	1570.67	-144.11	-140.09	37.74	1701611.48	14282818.99	39°19'54.495"N	80°47'00.914"W	128.56	164.191	0.39	-0.35	-0.95	
1581.50	10.610	170.270	1664.08	-161.04	-157.15	40.66	1701614.40	14282801.94	39°19'54.326"N	80°47'00.877"W	145.08	164.922	0.44	0.43	-0.66	
1676.50	11.090	168.370	1757.38	-178.59	-174.72	43.98	1701617.71	14282784.38	39°19'54.152"N	80°47'00.836"W	162.32	165.493	0.24	0.24	-0.02	
1771.50	9.650	165.930	1850.83	-195.48	-191.39	47.76	1701621.49	14282767.71	39°19'53.987"N	80°47'00.788"W	180.17	165.870	0.63	0.51	-2.00	
1866.50	9.280	170.430	1943.55	-210.70	-206.51	50.94	1701624.66	14282752.60	39°19'53.838"N	80°47'00.748"W	197.26	165.988	1.58	-1.52	-2.57	
2055.50	9.480	175.420	2037.28	-225.66	-221.86	52.83	1701626.56	14282737.26	39°19'53.686"N	80°47'00.724"W	212.69	166.144	0.88	-0.39	4.79	
2149.50	10.320	176.240	2129.88	-241.07	-237.98	54.00	1701627.73	14282721.14	39°19'53.527"N	80°47'00.710"W	228.06	166.605	0.88	0.21	5.25	
2244.50	9.830	172.960	2223.42	-257.01	-254.52	55.56	1701629.28	14282704.61	39°19'53.363"N	80°47'00.691"W	244.03	167.214	0.91	0.89	0.87	
2338.50	9.610	168.690	2231.07	-272.49	-270.17	58.08	1701631.80	14282688.96	39°19'53.208"N	80°47'00.659"W	260.51	167.687	0.79	-0.52	-3.45	
2433.50	10.230	165.800	2409.65	-288.66	-286.13	61.70	1701635.43	14282673.01	39°19'53.051"N	80°47'00.613"W	276.34	167.868	0.80	-0.23	-4.54	
2510.50	10.370	167.390	2485.41	-302.28	-299.52	64.89	1701638.62	14282659.63	39°19'52.918"N	80°47'00.573"W	292.70	167.831	0.84	0.65	-3.04	
											306.47	167.775	0.41	0.18	2.06	



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627
Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

WELLPATH DATA (204 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
2634.50	10.340	168.680	2607.39	-324.24	-321.32	69.51	1701643.24	14282637.83	39°19'52.703"N	80°47'00.515"W	328.75	167.793	0.19	-0.02	1.04	WFT EM <8-3/4" <250T> (2625'-6850')
2729.50	10.200	166.650	2700.87	-340.95	-337.87	73.13	1701646.85	14282621.29	39°19'52.539"N	80°47'00.470"W	345.69	167.787	0.41	-0.15	-2.14	
2824.50	10.440	164.140	2794.33	-357.84	-354.33	77.42	1701651.14	14282604.84	39°19'52.376"N	80°47'00.415"W	362.69	167.674	0.54	0.25	-2.64	
2918.50	10.140	169.070	2886.82	-374.44	-370.65	81.32	1701655.04	14282588.53	39°19'52.215"N	80°47'00.366"W	379.46	167.625	0.99	-0.32	5.24	
3012.50	10.350	168.340	2979.32	-390.88	-387.04	84.60	1701658.31	14282572.14	39°19'52.053"N	80°47'00.325"W	396.18	167.671	0.26	0.22	-0.78	
3107.50	8.120	173.090	3073.08	-405.77	-402.06	87.13	1701660.84	14282557.12	39°19'51.904"N	80°47'00.293"W	411.39	167.773	2.48	-2.35	5.00	
3201.50	6.490	171.470	3166.32	-417.36	-413.91	88.71	1701662.43	14282545.28	39°19'51.787"N	80°47'00.274"W	423.31	167.902	1.75	-1.73	-1.72	
3297.50	4.420	166.020	3261.88	-426.31	-422.86	90.41	1701664.13	14282535.33	39°19'51.698"N	80°47'00.252"W	432.42	167.931	2.22	-2.16	-5.68	
3392.50	2.610	156.870	3356.70	-432.10	-428.40	92.15	1701665.86	14282530.79	39°19'51.644"N	80°47'00.230"W	438.20	167.861	1.99	-1.91	-9.63	
3487.50	0.220	4.290	3451.67	-434.10	-430.21	93.01	1701666.72	14282528.98	39°19'51.626"N	80°47'00.219"W	440.15	167.800	2.95	-2.52	-160.61	
3581.50	1.330	343.670	3545.86	-432.85	-428.99	92.72	1701666.43	14282530.21	39°19'51.638"N	80°47'00.223"W	438.89	167.804	1.20	1.18	-21.94	
3676.50	1.020	343.890	3640.84	-430.81	-427.11	92.17	1701665.89	14282532.08	39°19'51.656"N	80°47'00.230"W	436.95	167.822	0.33	-0.33	0.23	
3770.50	0.450	350.760	3734.63	-429.72	-425.95	91.88	1701665.60	14282533.25	39°19'51.668"N	80°47'00.234"W	435.74	167.827	0.61	-0.61	7.31	
3865.50	0.690	48.410	3829.62	-429.16	-425.20	92.25	1701665.96	14282534.00	39°19'51.675"N	80°47'00.229"W	435.09	167.759	0.62	0.25	60.68	
3960.50	0.410	31.410	3924.82	-428.76	-424.53	92.85	1701666.57	14282534.66	39°19'51.682"N	80°47'00.221"W	434.57	167.662	0.34	-0.29	-17.89	
4054.50	0.420	31.890	4018.62	-428.36	-423.95	93.21	1701666.92	14282535.24	39°19'51.688"N	80°47'00.217"W	434.08	167.600	0.01	0.01	0.51	
4149.50	0.580	23.140	4113.61	-427.81	-423.21	93.59	1701667.30	14282535.98	39°19'51.695"N	80°47'00.212"W	433.44	167.531	0.19	0.17	-9.21	
4243.50	0.880	164.570	4207.61	-428.19	-423.47	93.96	1701667.68	14282535.72	39°19'51.692"N	80°47'00.207"W	433.77	167.489	1.47	0.32	150.46	
4338.50	0.930	179.560	4302.60	-429.63	-424.94	94.16	1701667.88	14282534.25	39°19'51.678"N	80°47'00.205"W	435.25	167.506	0.25	0.05	15.78	
4433.50	0.990	157.440	4397.59	-431.17	-426.47	94.48	1701668.20	14282532.72	39°19'51.663"N	80°47'00.201"W	436.81	167.508	0.39	0.06	-23.28	
4527.50	0.810	145.090	4491.57	-432.63	-427.77	95.18	1701668.89	14282531.43	39°19'51.650"N	80°47'00.192"W	438.23	167.456	0.28	-0.19	-13.14	
4621.50	0.780	132.510	4585.56	-433.86	-428.74	96.03	1701669.74	14282530.45	39°19'51.640"N	80°47'00.181"W	439.37	167.375	0.19	-0.03	-13.38	
4716.50	0.660	141.450	4680.56	-434.96	-429.61	96.85	1701670.56	14282529.59	39°19'51.632"N	80°47'00.171"W	440.39	167.296	0.17	-0.13	9.41	
4811.50	0.720	120.470	4775.55	-435.96	-430.34	97.70	1701671.41	14282528.86	39°19'51.624"N	80°47'00.160"W	441.29	167.209	0.27	0.06	-22.08	
4905.50	0.980	97.680	4869.54	-436.82	-430.75	99.01	1701672.72	14282528.45	39°19'51.620"N	80°47'00.143"W	441.98	167.055	0.45	0.28	-24.24	
5000.50	1.340	100.070	4964.52	-437.80	-431.05	100.91	1701674.62	14282528.15	39°19'51.617"N	80°47'00.119"W	442.70	166.825	0.38	0.38	2.52	
5095.50	1.540	115.540	5059.49	-439.32	-431.79	103.15	1701676.86	14282527.40	39°19'51.610"N	80°47'00.090"W	443.94	166.564	0.46	0.21	16.28	
5189.50	1.480	193.150	5153.47	-441.25	-433.52	104.02	1701677.72	14282525.68	39°19'51.593"N	80°47'00.080"W	445.83	166.508	2.01	-0.06	82.56	
5284.50	1.830	234.090	5248.43	-442.63	-435.61	102.51	1701676.22	14282523.59	39°19'51.572"N	80°47'00.099"W	447.50	166.758	1.27	0.37	43.09	
5378.50	1.610	245.380	5342.39	-443.06	-437.04	100.09	1701673.80	14282522.16	39°19'51.558"N	80°47'00.130"W	448.35	167.100	0.43	-0.23	12.01	



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627
Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

WELLPATH DATA (204 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
5472.50	1.630	244.660	5436.35	-443.21	-438.16	97.88	1701671.39	14282521.04	39°19'51.547"N	80°47'00.160"W	448.92	167.432	0.03	0.02	-0.77	
5567.50	1.120	241.960	5531.32	-443.40	-439.17	95.64	1701669.35	14282520.03	39°19'51.537"N	80°47'00.186"W	449.47	167.714	0.54	-0.54	-2.84	
5662.50	1.020	235.900	5626.31	-443.68	-440.08	94.12	1701667.83	14282519.12	39°19'51.528"N	80°47'00.206"W	450.04	167.928	0.16	-0.11	-6.38	
5756.50	1.110	260.190	5720.29	-443.68	-440.71	92.53	1701666.25	14282518.49	39°19'51.522"N	80°47'00.226"W	450.32	168.142	0.49	0.10	25.84	
5851.50	0.670	283.900	5815.28	-443.16	-440.73	91.09	1701664.80	14282518.47	39°19'51.522"N	80°47'00.244"W	450.05	168.323	0.59	-0.46	24.96	
5945.50	1.450	17.960	5909.27	-441.93	-439.47	90.92	1701664.63	14282519.73	39°19'51.534"N	80°47'00.246"W	448.77	168.311	1.74	0.83	100.06	
6040.50	5.040	7.690	6004.10	-437.37	-434.19	91.85	1701665.56	14282525.01	39°19'51.586"N	80°47'00.234"W	443.80	168.056	3.81	3.78	-10.81	
6071.50	7.930	0.120	6034.90	-434.19	-430.70	92.04	1701665.75	14282528.50	39°19'51.621"N	80°47'00.232"W	440.42	167.938	9.70	9.32	-24.42	
6102.50	11.420	356.850	6065.45	-429.30	-425.49	91.87	1701665.58	14282533.70	39°19'51.672"N	80°47'00.234"W	435.30	167.816	11.39	11.26	-10.55	
6134.50	13.990	355.300	6096.67	-422.59	-418.47	91.38	1701665.09	14282540.72	39°19'51.742"N	80°47'00.240"W	428.34	167.682	8.10	8.03	-4.84	
6165.50	16.140	353.570	6126.60	-414.85	-410.46	90.59	1701664.30	14282548.73	39°19'51.821"N	80°47'00.250"W	420.34	167.554	7.08	6.94	-5.58	
6197.50	17.700	354.180	6157.21	-405.88	-401.20	89.60	1701663.31	14282557.99	39°19'51.913"N	80°47'00.262"W	411.08	167.411	4.91	4.87	1.91	
6229.50	19.470	356.210	6187.54	-396.13	-391.04	88.75	1701662.47	14282566.14	39°19'52.013"N	80°47'00.272"W	400.98	167.212	5.89	5.53	6.34	
6260.50	20.570	357.360	6216.67	-386.07	-380.44	88.16	1701661.88	14282578.74	39°19'52.118"N	80°47'00.280"W	390.52	166.953	3.77	3.55	3.71	
6292.50	21.720	357.250	6246.52	-375.15	-368.91	87.62	1701661.33	14282590.26	39°19'52.232"N	80°47'00.286"W	379.17	166.639	3.60	3.59	-0.34	
6323.50	22.930	357.150	6275.19	-364.01	-357.15	87.04	1701660.76	14282602.02	39°19'52.348"N	80°47'00.293"W	367.60	166.303	3.91	3.90	-0.32	
6355.50	24.620	356.740	6304.48	-351.79	-344.27	86.35	1701660.07	14282614.89	39°19'52.475"N	80°47'00.302"W	354.93	165.919	5.31	5.28	-1.28	
6386.50	26.550	356.020	6332.43	-339.06	-330.91	85.51	1701659.22	14282626.25	39°19'52.607"N	80°47'00.312"W	341.78	165.512	6.31	6.23	-2.32	
6418.50	28.250	355.360	6360.84	-325.01	-316.22	84.40	1701658.11	14282642.93	39°19'52.753"N	80°47'00.326"W	327.29	165.057	5.40	5.31	-2.06	
6449.50	29.720	354.920	6387.96	-310.64	-301.26	83.12	1701656.84	14282657.89	39°19'52.901"N	80°47'00.341"W	312.51	164.575	4.79	4.74	-1.42	
6481.50	31.440	355.040	6415.51	-295.04	-285.04	81.70	1701655.42	14282674.10	39°19'53.061"N	80°47'00.359"W	296.52	164.007	5.38	5.38	0.37	
6512.50	33.610	354.820	6441.64	-279.07	-268.44	80.22	1701653.94	14282690.69	39°19'53.225"N	80°47'00.377"W	280.17	163.361	7.01	7.00	-0.71	
6544.50	36.120	354.410	6467.90	-261.52	-250.23	78.51	1701652.22	14282708.90	39°19'53.405"N	80°47'00.398"W	262.25	162.581	7.88	7.84	-1.28	
6575.50	39.460	353.700	6492.39	-243.24	-231.34	76.53	1701650.25	14282727.78	39°19'53.592"N	80°47'00.423"W	243.67	161.694	10.87	10.77	-2.28	
6607.50	42.740	352.990	6516.50	-222.93	-210.45	74.09	1701647.81	14282748.66	39°19'53.798"N	80°47'00.454"W	223.11	160.604	10.35	10.25	-2.22	
6639.50	46.450	352.800	6539.29	-201.19	-188.16	71.31	1701645.03	14282770.94	39°19'54.019"N	80°47'00.488"W	201.22	159.243	11.60	11.59	-0.59	
6670.50	49.860	353.530	6559.96	-178.87	-165.23	68.57	1701642.29	14282793.86	39°19'54.245"N	80°47'00.522"W	178.89	157.462	11.14	11.00	2.35	
6701.50	52.390	354.260	6579.42	-155.63	-141.24	66.01	1701639.73	14282817.85	39°19'54.483"N	80°47'00.554"W	155.90	154.951	8.36	8.16	2.35	
6733.50	54.140	354.440	6598.56	-130.99	-115.72	63.48	1701637.21	14282843.36	39°19'54.735"N	80°47'00.586"W	131.98	151.251	5.49	5.47	0.56	
6765.50	54.960	354.500	6617.12	-105.95	-89.77	60.97	1701634.69	14282869.29	39°19'54.991"N	80°47'00.617"W	108.52	145.817	2.57	2.56	0.19	



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627

Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

WELLPATH DATA (204 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
6779.00†	55.221	354.461	6624.84	-95.32	-78.75	59.90	1701633.63	14282880.31	39°19'55.100"N	80°47'00.630"W	98.94	142.740	1.95	1.94	1.94	-0.29Burket: 6779MD / 6625TVD
6796.50	55.560	354.410	6634.78	-81.49	-84.41	58.51	1701633.23	14282894.64	39°19'55.242"N	80°47'00.647"W	87.02	137.751	1.95	1.94	-0.29	
6827.00†	57.547	353.366	6651.59	-56.98	-39.11	55.80	1701629.53	14282919.93	39°19'55.492"N	80°47'00.681"W	68.14	125.028	7.09	6.52	-3.36	Tully: 6827MD / 6652TVD
6827.50	57.580	353.370	6651.86	-56.57	-38.69	55.75	1701629.48	14282920.35	39°19'55.496"N	80°47'00.682"W	67.86	124.761	7.09	6.53	-3.28	
6859.50	60.730	351.810	6668.27	-29.95	-11.45	52.20	1701625.93	14282947.58	39°19'55.766"N	80°47'00.726"W	53.44	102.375	10.70	9.84	-4.87	
6901.00	64.420	349.600	6687.38	6.02	24.89	46.24	1701619.97	14282983.90	39°19'56.125"N	80°47'00.801"W	52.51	61.711	10.07	8.88	-5.33	BH AT Curve <8-1/2"> (6860)(6901-16602)
6903.00†	64.638	349.545	6688.24	7.79	26.66	45.92	1701619.65	14282985.68	39°19'56.142"N	80°47'00.805"W	53.10	59.856	11.20	10.92	-2.74	Hamilton: 6903MD / 6688TVD
6928.00†	67.371	348.877	6698.41	30.21	49.10	41.64	1701615.37	14283008.10	39°19'56.384"N	80°47'00.859"W	64.38	40.302	11.20	10.93	-2.67	POE Marcellus: 6928MD / 6698TVD
6966.00	71.530	347.910	6711.74	65.23	83.94	34.48	1701608.21	14283042.93	39°19'56.709"N	80°47'00.949"W	90.75	22.320	11.20	10.94	-2.55	
7013.00	78.230	347.400	6723.99	109.98	128.24	24.78	1701598.52	14283087.21	39°19'57.147"N	80°47'01.071"W	130.61	10.937	14.28	14.28	-1.09	
7060.00	80.130	347.120	6732.82	155.57	173.27	14.60	1701588.34	14283132.22	39°19'57.592"N	80°47'01.199"W	173.88	4.817	4.08	4.04	-0.60	
7107.00	84.480	346.900	6739.11	201.60	218.64	4.13	1701577.88	14283177.58	39°19'58.041"N	80°47'01.331"W	218.88	1.083	9.27	9.28	-0.47	
7154.00	90.030	345.840	6741.36	248.06	264.24	-6.93	1701566.83	14283223.16	39°19'58.492"N	80°47'01.470"W	264.34	358.498	12.02	11.81	-2.26	
7248.00	90.220	342.030	6741.15	341.59	354.56	-32.93	1701540.83	14283313.44	39°19'59.385"N	80°47'01.798"W	356.08	354.693	4.06	0.20	-4.05	
7344.00	90.250	338.890	6740.76	437.51	444.96	-65.20	1701508.58	14283403.81	39°20'00.279"N	80°47'02.206"W	449.71	351.664	3.48	0.03	-3.48	
7437.00	90.310	336.390	6740.31	530.50	530.90	-100.72	1701473.07	14283489.71	39°20'01.130"N	80°47'02.656"W	540.37	349.257	2.47	0.06	-2.47	
7532.00	90.280	334.680	6739.82	625.38	617.36	-140.06	1701433.74	14283576.14	39°20'01.985"N	80°47'03.154"W	633.05	347.217	1.80	-0.03	-1.80	
7627.00	90.280	333.400	6738.79	814.70	787.35	-224.91	1701348.93	14283746.07	39°20'02.828"N	80°47'03.685"W	725.79	345.476	1.86	0.06	-1.86	
7722.00	90.430	335.800	6737.65	1002.33	957.43	-304.99	1701391.81	14283830.65	39°20'03.667"N	80°47'04.228"W	818.85	344.058	0.52	-0.06	0.52	
7816.00	90.340	334.970	6738.28	908.48	871.97	-285.84	1701308.01	14283880.65	39°20'04.504"N	80°47'04.747"W	911.59	343.045	1.67	0.06	1.67	
7910.00	90.340	336.710	6737.01	1097.27	1044.38	-343.25	1701230.64	14284000.26	39°20'05.350"N	80°47'05.242"W	1004.83	342.330	0.89	0.10	0.88	
8005.00	90.400	336.870	6736.40	1192.24	1131.59	-380.69	1701193.22	14284090.26	39°20'06.210"N	80°47'06.727"W	1099.34	341.806	0.96	-0.06	0.96	
8100.00	90.370	337.380	6735.76	1287.21	1219.22	-417.61	1701156.30	14284177.78	39°20'07.940"N	80°47'06.668"W	1194.00	341.408	0.18	0.06	0.17	
8195.00	90.400	338.440	6735.05	1381.21	1306.31	-452.96	1701120.97	14284264.82	39°20'08.802"N	80°47'07.115"W	1288.75	341.092	0.54	-0.03	0.54	
8288.00	90.490	334.750	6734.31	1476.14	1395.62	-485.30	1701088.64	14284354.09	39°20'09.685"N	80°47'07.524"W	1382.62	340.876	1.13	0.13	1.13	
8384.00	90.220	342.710	6733.81	1569.92	1485.13	-513.99	1701059.97	14284443.57	39°20'10.571"N	80°47'08.866"W	1477.59	340.828	3.49	-0.09	3.48	
8478.00	90.280	338.590	6733.39	1664.82	1574.75	-545.46	1701028.51	14284533.15	39°20'11.457"N	80°47'08.284"W	1571.56	340.910	1.04	-0.18	1.02	
8573.00	90.180	336.880	6733.01	1759.81	1662.66	-581.45	1700992.53	14284621.02	39°20'12.327"N	80°47'08.739"W	1666.54	340.895	4.34	0.06	-4.34	
8668.00	90.370	335.240	6732.56	1853.73	1748.57	-619.59	1700954.40	14284706.90	39°20'13.177"N	80°47'09.222"W	1761.40	340.725	1.80	-0.11	-1.80	
8762.00	90.370	335.240	6732.56	1853.73	1748.57	-619.59	1700954.40	14284706.90	39°20'13.177"N	80°47'09.222"W	1855.10	340.489	1.76	0.20	-1.74	



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

WELLPATH DATA (204 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
8856.00	90.250	333.450	6732.05	1947.51	1833.30	-660.29	1700913.72	14284791.59	39°20'14.015"N	80°47'09.738"W	1948.58	340.193	1.91	-0.13	-1.90	
8951.00	90.370	331.060	6731.54	2041.97	1917.37	-704.51	1700869.52	14284875.63	39°20'14.847"N	80°47'10.298"W	2042.70	339.825	2.52	0.13	-2.52	
9046.00	90.400	332.360	6730.90	2136.34	2001.02	-749.53	1700824.52	14284959.25	39°20'15.675"N	80°47'10.868"W	2136.79	339.465	1.37	0.03	1.37	
9140.00	90.400	333.040	6730.24	2229.89	2084.55	-792.64	1700781.42	14285042.74	39°20'16.501"N	80°47'11.415"W	2230.16	339.181	0.72	0.00	0.72	
9235.00	90.430	336.110	6729.55	2324.68	2170.33	-833.42	1700740.66	14285128.49	39°20'17.350"N	80°47'11.931"W	2324.85	338.993	3.23	0.03	3.23	
9329.00	90.400	340.580	6728.87	2418.65	2257.67	-868.10	1700705.99	14285215.80	39°20'18.214"N	80°47'12.370"W	2418.82	338.968	4.76	-0.03	4.76	
9424.00	90.430	343.240	6728.18	2513.45	2347.97	-897.60	1700669.41	14285306.06	39°20'19.107"N	80°47'12.743"W	2513.69	339.079	2.80	0.03	2.80	
9520.00	90.400	343.950	6727.49	2609.04	2440.06	-924.71	1700649.41	14285398.11	39°20'20.018"N	80°47'13.085"W	2609.40	339.245	0.74	-0.03	0.74	
9614.00	90.400	338.550	6727.16	2702.88	2529.03	-954.91	1700619.22	14285487.05	39°20'20.898"N	80°47'13.467"W	2703.31	339.314	5.76	-0.43	-5.74	
9708.00	90.400	336.970	6726.83	2796.87	2616.04	-990.49	1700583.65	14285574.02	39°20'21.759"N	80°47'13.917"W	2797.27	339.262	1.73	0.43	-1.68	
9803.00	89.660	334.780	6726.78	2891.78	2702.73	-1029.32	1700544.84	14285660.68	39°20'22.617"N	80°47'14.408"W	2892.10	339.151	2.43	-0.78	-2.31	
9898.00	89.480	337.830	6727.49	2986.71	2789.71	-1067.49	1700506.69	14285747.63	39°20'23.477"N	80°47'14.892"W	2986.98	339.061	3.22	-0.19	3.21	
9992.00	90.280	341.210	6727.69	3080.67	2877.76	-1100.37	1700473.82	14285835.64	39°20'24.348"N	80°47'15.307"W	3080.96	339.075	3.70	0.85	3.60	
10087.00	90.430	342.640	6727.10	3175.47	2968.07	-1129.84	1700444.35	14285925.91	39°20'25.242"N	80°47'15.680"W	3175.84	339.160	1.51	0.16	1.51	
10182.00	90.370	339.290	6726.44	3270.35	3057.86	-1160.82	1700413.39	14286015.66	39°20'26.130"N	80°47'16.071"W	3270.78	339.212	3.53	-0.06	-3.53	
10277.00	89.080	337.330	6726.90	3365.35	3146.12	-1195.93	1700378.29	14286103.90	39°20'27.003"N	80°47'16.516"W	3365.76	339.187	2.47	-1.36	-2.06	
10371.00	90.220	342.560	6727.47	3459.27	3234.39	-1228.15	1700346.09	14286192.13	39°20'27.876"N	80°47'16.923"W	3459.72	339.207	5.69	1.21	5.66	
10466.00	90.400	344.890	6726.96	3553.84	3325.57	-1254.77	1700319.47	14286283.28	39°20'28.778"N	80°47'17.259"W	3554.42	339.328	2.46	0.18	2.45	
10560.00	90.400	344.880	6726.30	3647.21	3416.32	-1279.28	1700294.97	14286373.99	39°20'29.676"N	80°47'17.569"W	3647.99	339.471	0.01	0.00	-0.01	
10654.00	90.220	341.850	6725.79	3740.83	3506.37	-1306.19	1700268.08	14286464.00	39°20'30.566"N	80°47'17.908"W	3741.76	339.569	3.23	-0.18	-3.22	
10748.00	89.940	340.190	6725.66	3834.72	3595.26	-1336.76	1700237.52	14286552.86	39°20'31.445"N	80°47'18.295"W	3835.73	339.604	1.79	-0.30	-1.77	
10843.00	89.940	338.290	6725.76	3929.70	3684.09	-1370.43	1700203.86	14286641.65	39°20'32.324"N	80°47'18.721"W	3930.72	339.595	2.00	0.00	-2.00	
10937.00	90.030	335.800	6725.78	4023.67	3770.64	-1407.09	1700167.22	14286728.16	39°20'33.180"N	80°47'19.185"W	4024.63	339.536	2.65	0.10	-2.65	
11032.00	89.940	334.640	6725.81	4118.54	3856.89	-1446.91	1700127.42	14286814.38	39°20'34.034"N	80°47'19.689"W	4119.36	339.436	1.22	-0.09	-1.22	
11127.00	89.970	334.820	6725.93	4213.35	3942.80	-1487.46	1700086.88	14286900.25	39°20'34.884"N	80°47'20.203"W	4214.05	339.330	0.19	-0.03	0.18	
11221.00	90.000	335.970	6726.01	4307.23	4028.26	-1526.60	1700047.76	14286985.68	39°20'35.729"N	80°47'20.698"W	4307.83	339.245	1.23	0.10	1.22	
11316.00	90.000	336.150	6726.01	4402.16	4115.09	-1565.15	1700009.22	14287072.48	39°20'36.588"N	80°47'21.186"W	4402.69	339.176	0.19	0.00	0.19	
11411.00	90.000	335.760	6726.01	4497.08	4201.84	-1603.86	1699970.53	14287159.20	39°20'37.447"N	80°47'21.676"W	4497.54	339.108	0.41	0.00	-0.41	
11506.00	89.970	335.200	6726.03	4591.97	4288.28	-1643.28	1699931.12	14287245.60	39°20'38.302"N	80°47'22.176"W	4592.35	339.033	0.59	-0.03	-0.59	
11601.00	89.970	336.690	6726.13	4686.88	4375.02	-1682.01	1699892.41	14287332.31	39°20'39.160"N	80°47'22.666"W	4687.21	338.970	1.57	-0.06	-1.57	



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627

Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WY	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

WELLPATH DATA (204 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
11695.00	89.940	338.810	6726.25	4780.87	4462.02	-1717.60	1699856.84	14287419.27	39°20'40.02"N	80°47'23.116"W	4781.19	338.946	2.26	0.03	2.26	
11789.00	90.000	340.540	6726.30	4874.84	4550.16	-1750.25	1699824.20	14287507.38	39°20'40.893"N	80°47'23.529"W	4875.18	338.960	1.84	0.06	1.84	
11893.00	90.000	341.240	6726.30	4968.75	4638.98	-1781.02	1699793.44	14287596.16	39°20'41.771"N	80°47'23.918"W	4969.12	338.997	0.74	0.00	0.74	
11978.00	89.940	341.690	6726.35	5063.60	4729.06	-1811.22	1699763.25	14287686.20	39°20'42.662"N	80°47'24.300"W	5064.04	339.043	0.48	-0.06	0.47	
12072.00	90.000	342.740	6726.40	5157.38	4818.56	-1839.93	1699734.55	14287775.67	39°20'43.548"N	80°47'24.663"W	5157.89	339.101	1.12	0.06	1.12	
12166.00	90.000	344.780	6726.40	5250.94	4908.81	-1866.22	1699708.28	14287865.88	39°20'44.440"N	80°47'24.995"W	5251.58	339.184	2.17	0.00	2.17	
12281.00	91.590	344.610	6725.25	5345.34	5000.43	-1891.29	1699683.21	14287957.46	39°20'45.346"N	80°47'25.311"W	5346.14	339.282	1.47	1.46	-0.18	
12355.00	90.830	346.230	6723.63	5438.60	5091.38	-1914.95	1699659.56	14288048.38	39°20'46.246"N	80°47'25.610"W	5439.60	339.388	1.93	-0.86	1.72	
12449.00	90.400	344.900	6722.83	5531.84	5182.41	-1938.38	1699636.14	14288139.37	39°20'47.146"N	80°47'25.905"W	5533.05	339.493	1.43	-0.19	-1.41	
12543.00	91.050	343.590	6721.64	5625.32	5272.87	-1963.90	1699610.63	14288229.80	39°20'48.041"N	80°47'26.227"W	5626.73	339.572	1.56	0.69	-1.39	
12638.00	90.890	338.100	6720.03	5720.17	5362.56	-1995.05	1699579.49	14288319.45	39°20'48.928"N	80°47'26.621"W	5721.65	339.593	5.78	-0.17	-5.78	
12733.00	90.830	334.580	6718.61	5815.09	5449.55	-2033.17	1699541.39	14288406.41	39°20'49.789"N	80°47'27.104"W	5816.48	339.540	3.71	-0.06	-3.71	
12827.00	90.800	333.040	6717.27	5908.79	5533.89	-2074.65	1699499.92	14288490.72	39°20'50.623"N	80°47'27.630"W	5910.00	339.449	1.64	-0.03	-1.64	
12922.00	90.250	332.500	6716.40	6003.35	5618.36	-2118.12	1699456.48	14288575.15	39°20'51.459"N	80°47'28.180"W	6004.36	339.344	0.81	-0.58	-0.57	
13016.00	90.280	333.820	6715.96	6096.97	5702.23	-2160.56	1699414.05	14288658.99	39°20'52.289"N	80°47'28.718"W	6097.92	339.248	1.40	0.03	1.40	
13111.00	90.150	332.980	6715.61	6191.62	5787.17	-2203.09	1699371.53	14288743.90	39°20'53.129"N	80°47'29.257"W	6192.33	339.159	0.89	-0.14	-0.88	
13205.00	90.400	333.150	6715.16	6285.23	5870.98	-2245.67	1699328.97	14288827.87	39°20'53.969"N	80°47'29.797"W	6285.81	339.068	0.32	0.27	0.18	
13300.00	90.370	335.050	6714.52	6379.97	5966.43	-2287.17	1699287.49	14288913.08	39°20'54.804"N	80°47'30.322"W	6380.45	338.994	2.00	-0.03	2.00	
13395.00	90.310	334.150	6713.90	6474.77	6042.25	-2327.91	1699246.77	14288998.87	39°20'55.653"N	80°47'30.838"W	6475.17	338.930	0.94	0.00	-0.94	
13490.00	90.310	335.240	6713.34	6569.58	6128.13	-2368.50	1699206.19	14289084.72	39°20'56.503"N	80°47'31.353"W	6569.92	338.869	1.14	-0.06	1.14	
13584.00	89.910	335.610	6713.16	6663.46	6213.62	-2407.60	1699167.11	14289170.17	39°20'57.349"N	80°47'31.848"W	6663.75	338.820	0.58	-0.43	0.39	
13678.00	90.120	337.700	6713.13	6757.42	6299.92	-2444.84	1699129.88	14289256.43	39°20'58.203"N	80°47'32.319"W	6757.68	338.790	2.23	0.22	2.22	
13773.00	90.220	339.420	6712.85	6852.41	6388.34	-2479.57	1699095.17	14289344.82	39°20'59.077"N	80°47'32.759"W	6852.67	338.787	1.81	0.11	1.81	
13868.00	90.180	341.980	6712.52	6947.32	6477.99	-2510.96	1699063.79	14289434.44	39°20'59.964"N	80°47'33.156"W	6947.61	338.813	2.70	-0.04	2.69	
13962.00	90.220	345.220	6712.19	7040.91	6568.15	-2537.50	1699037.26	14289524.57	39°21'00.856"N	80°47'33.491"W	7041.27	338.877	3.45	0.04	3.45	
14056.00	90.030	345.560	6711.99	7134.18	6659.11	-2561.21	1699013.56	14289615.49	39°21'01.765"N	80°47'33.790"W	7134.68	338.962	0.41	-0.20	0.36	
14151.00	90.090	343.430	6711.89	7228.62	6750.65	-2586.60	1698988.17	14289706.99	39°21'02.661"N	80°47'34.111"W	7229.23	339.035	2.24	0.06	-2.24	
14246.00	90.000	338.060	6711.81	7323.50	6840.30	-2617.92	1698956.87	14289796.61	39°21'03.547"N	80°47'34.507"W	7324.16	339.057	5.65	-0.09	-5.65	
14340.00	90.180	337.080	6711.67	7417.49	6927.19	-2653.79	1698921.92	14289883.46	39°21'04.407"N	80°47'34.961"W	7418.12	339.038	1.06	0.19	-1.04	
14435.00	90.180	340.820	6711.37	7512.47	7015.84	-2687.90	1698886.90	14289972.07	39°21'05.284"N	80°47'35.392"W	7513.11	339.037	3.94	0.00	3.94	



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627
Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

WELLPATH DATA (204 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
14529.00	90.220	343.070	6711.04	7606.27	7105.20	-2717.03	1698857.80	14290061.40	39°21'06.168"N	80°47'35.761"W	7606.98	339.073	2.39	0.04	2.39	
14624.00	90.120	341.480	6710.76	7701.04	7195.69	-2745.96	1698828.89	14290151.85	39°21'07.063"N	80°47'36.126"W	7701.83	339.113	1.68	-0.11	-1.67	
14718.00	90.090	339.120	6710.58	7794.97	7284.18	-2777.64	1698797.21	14290240.31	39°21'07.938"N	80°47'36.527"W	7795.80	339.127	2.51	-0.03	-2.51	
14813.00	90.180	337.500	6710.36	7889.97	7372.45	-2812.75	1698762.12	14290328.54	39°21'08.811"N	80°47'36.971"W	7890.79	339.117	1.71	0.09	-1.71	
14908.00	90.090	335.790	6710.14	7984.93	7459.66	-2850.41	1698724.48	14290415.72	39°21'09.674"N	80°47'37.448"W	7985.70	339.088	1.80	-0.09	-1.80	
15002.00	90.150	333.510	6709.94	8078.73	7544.61	-2890.65	1698684.25	14290500.63	39°21'10.515"N	80°47'37.958"W	8079.41	339.036	2.43	0.06	-2.43	
15097.00	90.030	332.760	6709.79	8173.34	7629.35	-2933.58	1698641.34	14290585.34	39°21'11.353"N	80°47'38.502"W	8173.92	338.968	0.80	-0.13	-0.79	
15191.00	90.060	335.130	6709.72	8267.07	7713.79	-2974.87	1698600.07	14290669.75	39°21'12.189"N	80°47'39.025"W	8267.55	338.911	2.52	0.03	2.52	
15286.00	90.650	331.940	6708.23	8456.47	7884.33	-3058.55	1698516.41	14290755.57	39°21'13.038"N	80°47'39.540"W	8362.29	338.862	1.17	0.62	-0.99	
15381.00	90.430	331.940	6708.23	8456.47	7884.33	-3058.55	1698516.41	14290840.22	39°21'13.876"N	80°47'40.085"W	8456.80	338.797	2.38	-0.23	-2.37	
15475.00	90.520	333.650	6707.45	8550.03	7967.93	-3101.52	1698473.46	14290923.79	39°21'14.703"N	80°47'40.630"W	8550.28	338.731	1.82	0.10	1.82	
15569.00	90.460	332.380	6706.65	8643.63	8051.69	-3144.17	1698430.83	14291007.51	39°21'15.532"N	80°47'41.171"W	8643.82	338.669	1.35	-0.06	-1.35	
15664.00	90.490	335.260	6705.86	8738.32	8136.93	-3186.08	1698388.94	14291092.72	39°21'16.376"N	80°47'41.702"W	8738.47	338.617	3.03	0.03	3.03	
15758.00	90.460	339.150	6705.08	8832.29	8223.57	-3222.49	1698352.54	14291179.33	39°21'17.233"N	80°47'42.163"W	8832.42	338.602	4.14	-0.03	4.14	
15852.00	90.580	342.860	6704.23	8926.16	8312.43	-3253.08	1698321.96	14291268.15	39°21'18.112"N	80°47'42.549"W	8926.31	338.627	3.95	0.13	3.95	
15947.00	90.550	345.300	6703.29	9020.66	8403.78	-3279.14	1698295.92	14291359.46	39°21'19.015"N	80°47'42.879"W	9020.88	338.684	2.57	-0.03	2.57	
16042.00	90.550	344.860	6702.38	9114.99	8495.57	-3303.59	1698271.47	14291451.22	39°21'19.923"N	80°47'43.187"W	9115.29	338.751	0.46	0.00	-0.46	
16136.00	90.580	342.300	6701.45	9208.58	8585.73	-3330.16	1698244.91	14291541.34	39°21'20.815"N	80°47'43.523"W	9208.95	338.800	2.72	0.03	-2.72	
16230.00	90.550	339.650	6700.44	9302.46	8674.58	-3360.80	1698214.29	14291630.15	39°21'21.693"N	80°47'43.910"W	9302.86	338.822	2.82	0.07	-2.82	
16325.00	90.490	338.550	6699.50	9397.45	8763.32	-3394.69	1698180.41	14291718.86	39°21'22.571"N	80°47'44.339"W	9397.86	338.825	1.17	-0.17	-1.16	
16419.00	90.460	337.480	6698.72	9491.44	8850.48	-3429.88	1698145.24	14291805.99	39°21'23.434"N	80°47'44.785"W	9491.84	338.817	1.14	-0.03	-1.14	
16514.00	90.490	337.000	6697.93	9586.42	8938.08	-3466.63	1698108.50	14291893.55	39°21'24.300"N	80°47'45.250"W	9586.80	338.801	0.51	0.03	-0.51	
16602.00	90.490	335.930	6697.18	9674.37	9018.76	-3501.77	1698073.38	14291974.20	39°21'25.098"N	80°47'45.695"W	9674.73	338.780	1.22	0.00	-1.22	
16627.00	90.490	335.930	6696.97	9699.35	9041.58	-3511.96	1698063.19	14291997.01	39°21'25.324"N	80°47'45.824"W	9699.70	338.773	0.00	0.00	0.00	Projected MD @ TD: 16627



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627
Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

HOLE & CASING SECTIONS - Ref Wellbore: Taunus Unit 2H AWB Ref Wellpath: Taunus Unit 2H AWP Proj: 16627									
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	24.50	104.50	80.00	24.50	104.50	0.00	0.00	0.05	0.19
17.5in Open Hole	104.50	371.00	266.50	104.50	371.00	0.05	0.19	0.45	1.19
13.375in Casing Surface	24.50	371.00	346.50	24.50	371.00	0.00	0.00	0.45	1.19
12.25in Open Hole	371.00	2593.50	2222.50	371.00	2567.05	0.45	1.19	-314.11	68.04
9.625in Casing Intermediate	24.50	2593.50	2569.00	24.50	2567.05	0.00	0.00	-314.11	68.04
8.75in Open Hole	2593.50	6934.50	4341.00	2567.05	6700.87	-314.11	68.04	55.00	40.47
8.5in Open Hole	6934.50	16627.00	9692.50	6700.87	6696.97	55.00	40.47	9041.58	-3511.96
5.5in Casing Production	24.50	16627.00	16602.50	24.50	6696.97	0.00	0.00	9041.58	-3511.96

TARGETS									
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
Taunus Unit 2H BHL Rev-1	6732.00	9095.76	-3532.18	1698042.97	14292051.16	39°21'25.860"N	80°47'46.080"W	point	
Taunus Unit 2H LP Rev-1	6732.00	212.46	-0.93	1701572.82	14283171.40	39°19'57.980"N	80°47'01.395"W	point	

WELLPATH COMPOSITION - Ref Wellbore: Taunus Unit 2H AWB Ref Wellpath: Taunus Unit 2H AWP Proj: 16627		
Start MD [ft]	End MD [ft]	Log Name/Comment
24.50	322.50	01 Gyrodala MS Gyro <17-1/2">(100'-313')
322.50	627.50	02 Gyrodala MS Gyro <12-1/4">(313')(341'-618')
627.50	2510.50	03 WFT EM <12-1/4">(618')(758'-2501')
2510.50	6859.50	04 WFT EM <8-3/4">(2501')(2625'-6850')
6859.50	16602.00	05 BH AT Curve <8-1/2">(6860')(6901'-16602')
16602.00	16627.00	Projection to bit



Actual Wellpath Report

Taunus Unit 2H AWP Proj: 16627



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Taunus Unit 2H
Field	Doddridge	Wellbore	Taunus Unit 2H AWB
Facility	Strickling Pad		

COMMENTS
<p>Wellpath general comments API: 47-017-06841-0000 BH Job #: 9154198 Rig: Frontier 22 Duration: 05/08/18 - 05/10/18 Gyrodatta MS Gyro <17-1/2">(100'-313') Gyrodatta MS Gyro <12-1/4">(313')(341'-618') WFT EM <12-1/4">(618')(758'-2501') WFT EM <8-3/4">(2501')(2625'-6850') Burket: 6779'MD / 6625'TVD Tully: 6827'MD / 6652'TVD BH AT Curve <8-1/2"> (6860')(6901'-16602') Hamilton: 6903'MD / 6688'TVD POE Marcellus: 6928'MD / 6698'TVD Projected MD @ TD: 16627</p>

02/15/2019