



ANTERO RESOURCES CORPORATION

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

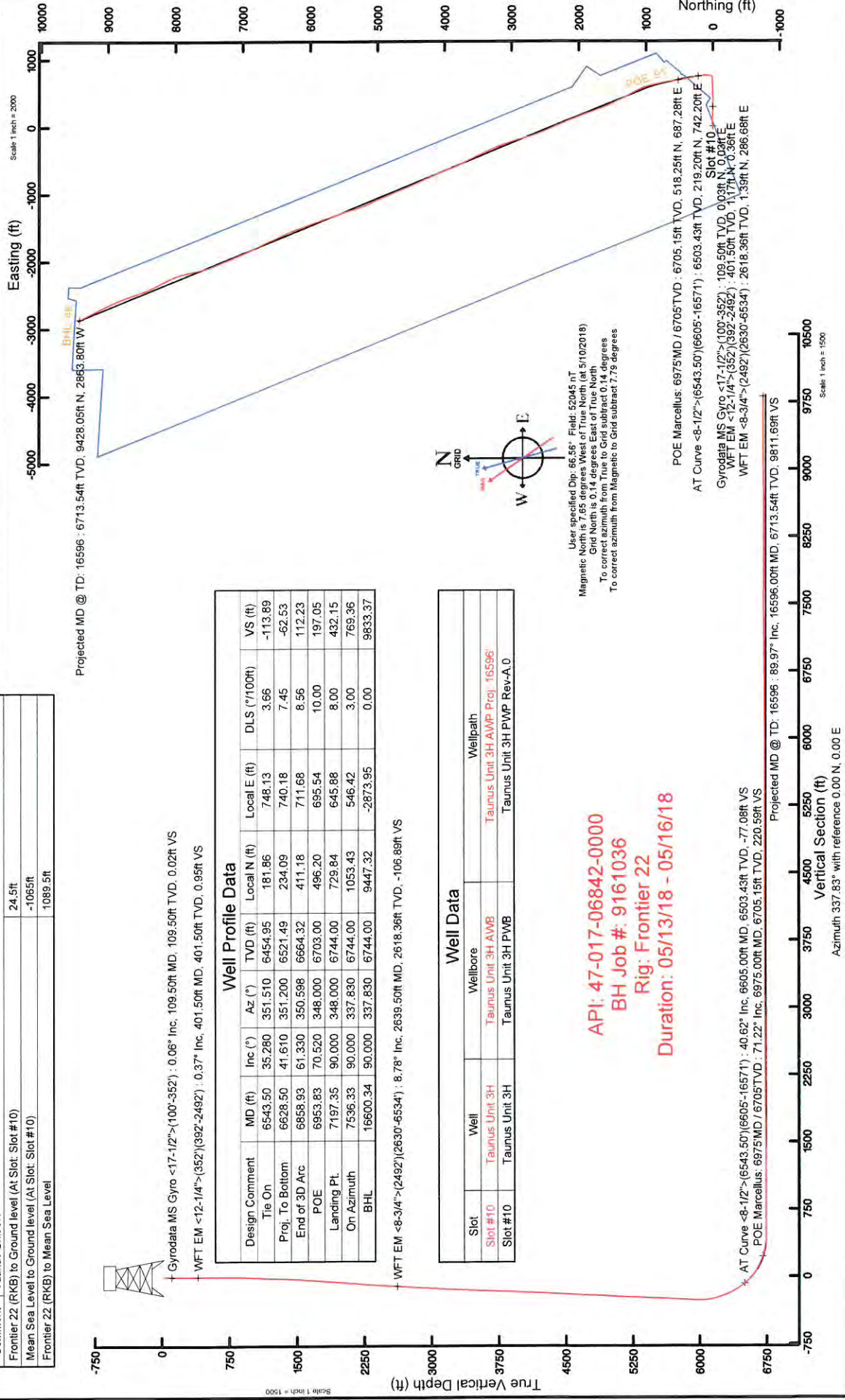
Slot: Slot #10
 Well: Taurus Unit 3H
 Wellbore: Taurus Unit 3H PWB



Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Strickling Pad	1701583.170	14282960.060	39°19'55.890"N	80°47'01.270"W
Slot #10	0.00	1701583.170	39°19'55.890"N	80°47'01.270"W
Comment	Taurus Unit 3H			
Frontier 22 (RKB) to Ground level (At Slot: Slot #10)	24.5ft			
Mean Sea Level to Ground level (At Slot: Slot #10)	-1065ft			
Frontier 22 (RKB) to Mean Sea Level	1089.5ft			

Plot reference wellpath is Taurus Unit 3H 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 #10): -1065 feet
Coordinates are in feet referenced to Slot
Grid System: NAD27 / UTM Zone 17 North, US feet
North Reference: Grid north
Scale: True distance
Depths are in feet
Created by: mccreiff on 2018-05-29
Database: WA_MPL_EASTERNUS_Defn



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	6543.50	35.280	351.510	6454.95	181.86	748.13	3.66	-113.89
Proj. To Bottom	6628.50	41.610	351.200	6521.49	234.09	740.18	7.45	-62.53
End of 3D Arc	6858.93	61.330	350.598	6664.32	411.18	711.68	8.56	112.23
POE	6953.83	70.520	348.000	6703.00	486.20	695.54	10.00	197.05
Landing Pt.	7197.35	90.000	348.000	6744.00	729.84	645.88	8.00	432.15
On Azimuth	7536.33	90.000	337.830	6744.00	1053.43	546.42	3.00	769.36
BHL	16600.34	90.000	337.830	6744.00	9447.32	-287.35	0.00	9833.37

Well Data

Slot	Well	Wellbore	Wellpath
Slot #10	Taurus Unit 3H	Taurus Unit 3H AWB	Taurus Unit 3H AWP Proj: 16596f
Slot #10	Taurus Unit 3H	Taurus Unit 3H PWB	Taurus Unit 3H PWP Rev-A.0

API: 47-017-06842-0000
 BH Job #: 9161036
 Rig: Frontier 22
 Duration: 05/13/18 - 05/16/18

Vertical Section (ft)
 Azimuth 337.83° with reference 0.00 N, 0.00 E

Scale 1 inch = 1500



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #10
Area	Doddridge Co., WV	Well	Taunus Unit 3H
Field	Doddridge	Wellbore	Taunus Unit 3H AWB
Facility	Strickling Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Mccrerib
Scale	0.999604	Report Generated	5/29/2018 at 10:28:41 AM
Convergence at slot	0.14° East	Database/Source file	WA_MPL_EASTERNUS_Defn\Taunus_Unit_3H_AWP_Proj_16596_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	1701583.17	14282960.06	39°19'55.890"N	80°47'01.270"W
Facility Reference Pt			1701583.17	14282960.06	39°19'55.890"N	80°47'01.270"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Frontier 22 (RKB) to Facility Vertical Datum	24.50ft
Horizontal Reference Pt	Slot	Frontier 22 (RKB) to Mean Sea Level	1089.50ft
Vertical Reference Pt	Frontier 22 (RKB)	Frontier 22 (RKB) to Ground Level at Slot (Slot #10)	24.50ft
MD Reference Pt	Frontier 22 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	337.83°

02/15/2019



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #10
Operator	ANTERO RESOURCES CORPORATION	Well	Taunus Unit 3H
Area	Doddridge Co., WV	Wellbore	Taunus Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (201 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 (F/100ft)	Build Rate (F/100ft)	Turn Rate (F/100ft)	Comments
0.00	0.00	42.500	0.00	0.00	0.00	0.00	1701583.17	14282960.06	39°19'55.890"N	80°47'01.270"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.00	42.500	24.50	0.00	0.00	0.00	1701583.17	14282960.06	39°19'55.890"N	80°47'01.270"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.060	42.500	109.50	0.02	0.03	0.03	1701583.20	14282960.09	39°19'55.890"N	80°47'01.270"W	0.04	42.500	0.07	0.07	50.00	Gyrodatta MS Gyro <17-1/2">(100°-352)
209.50	0.140	57.450	209.50	0.06	0.14	0.17	1701583.34	14282960.20	39°19'55.891"N	80°47'01.268"W	0.22	50.844	0.08	0.08	14.95	
309.50	0.340	1.780	309.50	0.36	0.50	0.28	1701583.45	14282960.56	39°19'55.895"N	80°47'01.266"W	0.57	29.330	0.29	0.20	-55.67	
361.50	0.490	4.190	361.50	0.70	0.88	0.30	1701583.47	14282960.94	39°19'55.899"N	80°47'01.266"W	0.93	29.014	0.29	0.29	4.63	
401.50	0.370	19.640	401.50	0.95	1.17	0.36	1701583.53	14282961.23	39°19'55.902"N	80°47'01.265"W	1.22	17.026	0.41	-0.30	38.63	WFT EM <12-1/4">(352°-2492)
491.50	1.110	61.340	491.49	1.26	1.86	1.22	1701584.39	14282961.92	39°19'55.908"N	80°47'01.254"W	2.22	33.273	0.97	0.82	46.33	
582.50	2.650	66.320	582.44	1.41	3.10	3.85	1701587.02	14282963.15	39°19'55.921"N	80°47'01.221"W	4.94	51.185	1.59	1.58	5.47	
673.50	4.110	71.740	673.28	1.25	4.93	8.80	1701591.97	14282964.99	39°19'55.939"N	80°47'01.158"W	10.09	60.737	1.75	1.71	5.96	
762.50	5.700	75.810	761.96	0.41	7.01	16.11	1701599.28	14282966.07	39°19'55.959"N	80°47'01.065"W	17.57	66.479	1.83	1.79	4.57	
853.50	6.290	80.680	852.46	-1.32	8.93	25.41	1701608.57	14282968.98	39°19'55.978"N	80°47'00.946"W	26.94	70.643	0.86	0.65	5.35	
949.50	6.140	88.410	947.90	-4.30	9.92	35.74	1701618.89	14282969.98	39°19'55.987"N	80°47'00.815"W	37.09	74.482	0.88	-0.16	8.05	
1044.50	5.940	90.380	1042.37	-7.97	10.03	45.73	1701628.88	14282970.09	39°19'55.988"N	80°47'00.688"W	46.82	77.628	0.30	-0.21	2.07	
1138.50	6.810	88.260	1135.79	-11.78	10.17	56.16	1701639.31	14282970.22	39°19'55.989"N	80°47'00.555"W	57.08	79.738	0.96	0.93	-2.26	
1232.50	7.070	82.110	1229.10	-15.15	11.13	67.46	1701650.61	14282971.19	39°19'55.998"N	80°47'00.411"W	68.38	80.631	0.84	0.28	-6.54	
1327.50	7.870	81.780	1323.29	-18.16	12.86	79.69	1701662.83	14282972.92	39°19'56.015"N	80°47'00.255"W	80.72	80.831	0.84	0.84	-0.35	
1421.50	7.270	86.830	1416.47	-21.65	14.11	92.00	1701675.13	14282974.17	39°19'56.027"N	80°47'00.099"W	93.08	81.279	0.95	-0.64	5.37	
1516.50	6.660	96.040	1510.77	-26.21	13.87	103.48	1701686.61	14282973.92	39°19'56.025"N	80°46'59.953"W	104.41	82.369	1.34	-0.64	9.69	
1610.50	7.880	100.920	1604.02	-32.30	12.07	115.23	1701698.35	14282972.13	39°19'56.007"N	80°46'59.803"W	115.86	84.020	1.45	1.30	5.19	
1705.50	8.300	99.750	1698.07	-39.49	9.68	128.38	1701711.50	14282969.73	39°19'55.983"N	80°46'59.636"W	128.75	85.690	0.47	0.44	-1.23	
1799.50	9.040	99.730	1791.00	-46.97	7.28	142.35	1701725.46	14282967.34	39°19'55.959"N	80°46'59.458"W	142.53	87.073	0.79	0.79	-0.02	
1894.50	9.190	95.290	1884.80	-54.42	5.32	157.26	1701740.37	14282965.38	39°19'55.939"N	80°46'59.269"W	157.35	88.063	0.76	0.16	-4.67	
1988.50	9.440	93.240	1977.56	-61.19	4.19	172.43	1701755.53	14282964.25	39°19'55.927"N	80°46'59.076"W	172.48	88.608	0.44	0.27	-2.18	
2083.50	11.100	93.250	2071.03	-68.46	3.23	189.34	1701772.43	14282963.29	39°19'55.917"N	80°46'58.860"W	189.37	89.022	1.75	1.75	0.01	
2177.50	11.960	93.710	2163.14	-76.59	2.09	208.09	1701791.18	14282962.15	39°19'55.906"N	80°46'58.622"W	208.10	89.425	0.92	0.91	0.49	
2272.50	9.660	92.660	2256.44	-84.24	1.08	225.88	1701808.96	14282961.14	39°19'55.895"N	80°46'58.395"W	225.88	89.726	2.43	-2.42	-1.11	
2367.50	9.750	89.980	2350.09	-90.62	0.71	241.88	1701824.96	14282960.77	39°19'55.891"N	80°46'58.192"W	241.89	89.831	0.48	0.09	-2.82	
2462.50	10.000	88.920	2443.68	-96.62	0.87	258.18	1701841.24	14282960.93	39°19'55.893"N	80°46'57.984"W	258.18	89.806	0.33	0.26	-1.12	
2501.50	9.490	88.270	2482.12	-98.96	1.03	264.78	1701847.84	14282961.09	39°19'55.894"N	80°46'57.900"W	264.78	89.776	1.34	-1.31	-1.67	



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #10
Area	Doddridge Co., WV	Well	Taunus Unit 3H
Field	Doddridge	Wellbore	Taunus Unit 3H AWB
Facility	Strickling Pad		

WELLPATH DATA (201 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (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
2639.50	8.780	89.940	2618.36	-106.89	1.39	286.68	1701869.73	14282961.45	39°19'55.897"N	80°46'57.622"W	286.68	89.723	0.55	1.21	WFI EM <-8.3/4">(2492)(2630'-6534')
2733.50	8.690	87.770	2711.29	-111.99	1.67	300.86	1701883.91	14282961.73	39°19'55.899"N	80°46'57.441"W	300.86	89.682	0.41	-0.21	-2.31
2828.50	8.410	87.340	2805.25	-116.72	2.27	314.88	1701897.93	14282962.33	39°19'55.905"N	80°46'57.263"W	314.89	89.588	0.19	-0.18	-0.45
2922.50	8.220	86.000	2898.26	-121.11	3.05	328.45	1701911.49	14282963.11	39°19'55.912"N	80°46'57.090"W	328.46	89.467	0.29	-0.20	-1.43
3050.50	7.730	96.870	3025.03	-128.15	2.66	346.13	1701929.16	14282962.72	39°19'55.908"N	80°46'56.865"W	346.14	89.659	1.24	-0.38	8.48
3144.50	7.630	94.760	3118.18	-134.04	1.39	358.62	1701941.65	14282961.45	39°19'55.895"N	80°46'56.706"W	358.62	89.778	0.92	-0.11	-2.24
3239.50	7.290	93.510	3212.38	-139.51	0.50	370.92	1701953.95	14282960.56	39°19'55.886"N	80°46'56.550"W	370.92	89.923	0.40	-0.36	-1.32
3333.50	7.270	91.470	3309.62	-144.48	-0.02	382.82	1701965.84	14282960.87	39°19'55.881"N	80°46'56.398"W	382.82	90.003	0.28	-0.02	-2.17
3428.50	7.130	90.100	3399.87	-149.12	-0.19	394.73	1701977.74	14282959.87	39°19'55.879"N	80°46'56.247"W	394.73	90.027	0.23	-0.15	-1.44
3522.50	6.930	88.530	3493.17	-153.34	-0.05	406.23	1701989.24	14282960.01	39°19'55.880"N	80°46'56.100"W	406.23	90.007	0.30	-0.21	-1.67
3616.50	6.690	86.930	3586.50	-157.14	0.39	417.37	1702000.37	14282960.45	39°19'55.884"N	80°46'55.959"W	417.37	89.947	0.33	-0.26	-1.70
3712.50	6.510	85.160	3681.87	-160.59	1.15	428.37	1702011.37	14282961.21	39°19'55.891"N	80°46'55.818"W	428.37	89.847	0.28	-0.19	-1.84
3806.50	6.380	85.540	3775.27	-163.76	2.00	438.89	1702021.88	14282962.06	39°19'55.899"N	80°46'55.685"W	438.89	89.739	0.15	-0.14	0.40
3901.50	6.270	83.060	3869.69	-166.73	3.04	449.30	1702032.29	14282963.10	39°19'55.909"N	80°46'55.552"W	449.31	89.612	0.31	-0.12	-2.61
3995.50	6.770	93.220	3963.09	-170.46	3.35	459.93	1702042.91	14282963.41	39°19'55.912"N	80°46'55.417"W	459.94	89.583	1.34	0.53	10.81
4090.50	7.080	94.010	4057.40	-175.44	2.62	471.36	1702054.34	14282962.68	39°19'55.905"N	80°46'55.271"W	471.37	89.681	0.34	0.33	0.83
4184.50	6.970	93.140	4150.69	-180.43	1.91	482.83	1702065.81	14282961.97	39°19'55.897"N	80°46'55.125"W	482.84	89.774	0.16	-0.12	-0.93
4278.50	6.960	90.990	4244.00	-185.11	1.50	494.22	1702077.20	14282966.15	39°19'55.893"N	80°46'54.980"W	494.22	89.826	0.28	-0.01	-2.29
4372.50	7.080	89.470	4337.29	-189.49	1.45	505.71	1702088.68	14282961.51	39°19'55.892"N	80°46'54.834"W	505.71	89.836	0.24	0.13	-1.62
4467.50	7.150	87.340	4431.56	-193.62	1.78	517.47	1702100.43	14282961.84	39°19'55.895"N	80°46'54.685"W	517.47	89.803	0.29	0.07	-2.24
4561.50	7.240	86.190	4524.82	-197.44	2.45	529.22	1702112.18	14282962.50	39°19'55.902"N	80°46'54.535"W	529.23	89.735	0.18	0.10	-1.22
4656.50	7.460	84.480	4619.04	-201.09	3.44	541.33	1702124.29	14282963.50	39°19'55.911"N	80°46'54.381"W	541.35	89.636	0.33	0.23	-1.80
4751.50	7.430	83.230	4713.24	-204.49	4.75	553.57	1702136.52	14282964.81	39°19'55.924"N	80°46'54.225"W	553.59	89.508	0.17	-0.03	-1.32
4845.50	7.850	89.520	4806.41	-208.48	5.52	566.03	1702148.97	14282965.58	39°19'55.931"N	80°46'54.067"W	566.05	89.441	0.99	0.45	6.69
4940.50	8.010	89.410	4900.50	-213.31	5.65	579.13	1702162.07	14282965.70	39°19'55.932"N	80°46'53.900"W	579.16	89.441	0.17	0.17	-0.12
5034.50	8.320	88.320	4993.55	-218.10	5.91	592.48	1702175.41	14282965.97	39°19'55.934"N	80°46'53.730"W	592.51	89.428	0.37	0.33	-1.16
5129.50	7.900	90.410	5087.59	-223.01	6.07	605.88	1702188.81	14282966.13	39°19'55.936"N	80°46'53.559"W	605.91	89.426	0.54	-0.44	2.20
5223.50	6.710	87.730	5180.83	-227.36	6.24	617.83	1702200.75	14282966.30	39°19'55.937"N	80°46'53.407"W	617.86	89.421	1.32	-1.27	-2.85
5318.50	6.990	83.870	5275.15	-230.85	7.08	629.12	1702212.04	14282967.13	39°19'55.945"N	80°46'53.264"W	629.16	89.356	0.57	0.29	-4.06
5413.50	7.160	90.080	5369.43	-234.69	7.69	640.79	1702223.70	14282967.74	39°19'55.951"N	80°46'53.115"W	640.83	89.313	0.82	0.18	6.54



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #10
Operator	ANTERO RESOURCES CORPORATION	Well	Taunus Unit 3H
Area	Doddridge Co., WV	Wellbore	Taunus Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (201 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
5507.50	7.610	90.010	5482.65	-239.26	7.68	652.87	1702235.78	14282968.73	39°19'55.950"N	80°46'52.961"W	552.92	89.326	0.48	0.48	-0.07	
5601.50	8.680	85.560	5555.70	-243.77	8.22	666.17	1702249.07	14282968.28	39°19'55.955"N	80°46'52.792"W	666.22	89.293	1.32	1.14	-4.73	
5695.50	8.460	87.500	5648.65	-248.25	9.08	680.15	1702263.05	14282969.13	39°19'55.964"N	80°46'52.614"W	680.21	89.236	0.39	-0.23	2.06	
5790.50	7.090	85.450	5742.78	-252.38	9.85	692.97	1702275.87	14282969.90	39°19'55.971"N	80°46'52.451"W	693.04	89.186	1.47	-1.44	-2.16	
5884.50	7.450	90.460	5836.02	-256.48	10.26	704.85	1702287.74	14282970.31	39°19'55.975"N	80°46'52.300"W	704.92	89.166	0.78	0.38	5.33	
5978.50	9.880	88.010	5928.94	-261.61	10.49	719.01	1702301.89	14282970.54	39°19'55.977"N	80°46'52.120"W	719.08	89.164	2.61	2.59	-2.61	
6040.50	10.330	71.410	5989.99	-263.79	12.44	729.59	1702312.47	14282972.50	39°19'56.019"N	80°46'51.985"W	729.70	89.023	4.74	0.73	-26.77	
6072.50	10.150	58.040	6021.49	-263.49	14.85	734.71	1702317.58	14282974.91	39°19'56.019"N	80°46'51.920"W	734.86	88.842	7.43	-0.56	-41.78	
6103.50	10.850	45.240	6051.97	-261.91	18.35	739.10	1702321.97	14282978.41	39°19'56.054"N	80°46'51.864"W	739.32	88.578	7.84	2.26	-41.29	
6135.50	12.230	35.360	6083.33	-258.93	23.24	743.20	1702326.07	14282983.29	39°19'56.102"N	80°46'51.811"W	743.56	88.203	7.51	4.31	-30.81	
6166.50	13.730	25.550	6113.54	-254.69	29.24	746.69	1702329.56	14282989.28	39°19'56.161"N	80°46'51.767"W	747.26	87.758	8.59	4.84	-31.71	
6197.50	15.180	17.140	6143.56	-249.08	36.43	749.47	1702332.34	14282996.48	39°19'56.232"N	80°46'51.731"W	750.35	87.217	8.22	4.68	-27.13	
6228.50	17.010	10.490	6173.35	-242.12	44.77	751.49	1702334.36	14283004.81	39°19'56.315"N	80°46'51.705"W	752.82	86.590	8.37	5.90	-21.45	
6260.50	19.350	6.540	6203.75	-233.53	54.64	752.95	1702335.82	14283014.68	39°19'56.412"N	80°46'51.686"W	754.93	85.849	8.26	7.31	-12.34	
6291.50	21.040	4.600	6232.84	-224.05	65.29	753.98	1702336.85	14283025.33	39°19'56.517"N	80°46'51.673"W	756.80	85.051	5.86	5.45	-6.26	
6323.50	21.730	3.560	6262.64	-213.59	76.93	754.81	1702337.68	14283036.96	39°19'56.632"N	80°46'51.662"W	758.72	84.180	2.46	2.16	-3.25	
6354.50	22.380	2.290	6291.37	-203.04	88.56	755.40	1702338.27	14283048.58	39°19'56.747"N	80°46'51.654"W	760.57	83.314	2.60	2.10	-4.10	
6385.50	24.780	0.520	6319.78	-191.68	100.95	755.69	1702338.56	14283060.97	39°19'56.870"N	80°46'51.650"W	762.41	82.391	8.07	7.74	-5.71	
6417.50	27.710	357.900	6348.48	-178.50	115.10	755.48	1702338.35	14283070.11	39°19'57.010"N	80°46'51.652"W	764.20	81.338	9.84	9.16	-8.19	
6448.50	30.530	355.490	6375.56	-164.22	130.15	754.60	1702337.47	14283090.16	39°19'57.158"N	80°46'51.663"W	765.74	80.214	9.85	9.10	-7.77	
6479.50	32.740	353.140	6401.95	-148.63	146.33	752.98	1702335.85	14283106.33	39°19'57.318"N	80°46'51.683"W	767.06	79.003	8.16	7.13	-7.58	
6511.50	34.170	352.160	6428.65	-131.58	163.82	750.72	1702333.59	14283123.82	39°19'57.491"N	80°46'51.711"W	768.38	77.690	4.78	4.47	-3.06	
6543.50	35.280	351.510	6454.95	-113.89	181.86	748.13	1702331.00	14283141.85	39°19'57.670"N	80°46'51.744"W	769.92	76.337	3.66	3.47	-2.03	
6605.00	40.620	350.500	6503.43	-77.08	219.20	742.20	1702325.07	14283179.18	39°19'58.039"N	80°46'51.818"W	773.89	75.546	8.74	8.68	-1.64	AT Curve <8-1/2">(6543.50)(6605-16571)
6683.00	45.630	349.040	6560.34	-24.92	271.65	732.70	1702315.58	14283231.60	39°19'58.557"N	80°46'51.937"W	781.44	69.658	6.55	6.42	-1.87	
6730.00	50.400	348.460	6591.77	9.37	305.90	725.88	1702308.76	14283265.84	39°19'58.896"N	80°46'52.023"W	787.70	67.148	10.19	10.15	-1.23	
6776.00	56.180	348.170	6619.26	45.62	342.00	718.41	1702301.30	14283301.92	39°19'59.253"N	80°46'52.117"W	795.66	64.543	12.58	12.57	-0.63	
6797.00†	58.440	348.598	6630.60	62.99	359.31	714.85	1702297.74	14283319.23	39°19'59.424"N	80°46'52.162"W	800.07	63.314	10.90	10.76	2.04	Burket. 6797MD / 6631TVD
6823.00	61.240	349.100	6643.66	85.05	381.36	710.51	1702293.39	14283341.27	39°19'59.642"N	80°46'52.216"W	806.39	61.775	10.90	10.77	1.93	
6856.00†	64.119	350.205	6658.81	113.75	410.20	705.25	1702288.14	14283370.10	39°19'59.928"N	80°46'52.282"W	815.87	59.816	9.22	8.72	3.36	Tully. 6856MD / 6659TVD



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #10
Area	Doddridge Co., WV	Well	Taunus Unit 3H
Field	Doddridge	Wellbore	Taunus Unit 3H AWB
Facility	Strickling Pad		

WELLPATH DATA (201 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
6871.00	65.430	350.690	6665.20	126.99	423.58	702.99	1702285.88	14283383.48	39°20'00.060"N	80°46'52.311"W	820.75	58.929	9.22	8.74	3.23	
6918.00	66.130	350.530	6684.48	168.79	465.87	696.00	1702278.89	14283425.75	39°20'00.478"N	80°46'52.398"W	837.53	56.203	1.52	1.49	-0.34	
6948.00†	68.874	350.530	6695.96	195.83	493.21	691.44	1702274.34	14283453.07	39°20'00.748"N	80°46'52.455"W	849.32	54.500	9.15	9.15	0.00	Hamilton: 6948' MD / 6696' TVD
6966.00	70.520	350.530	6702.20	212.29	509.86	688.66	1702271.56	14283469.72	39°20'00.913"N	80°46'52.490"W	856.86	53.485	9.15	9.15	0.00	
6975.00†	71.222	350.696	6705.15	220.59	518.25	687.28	1702270.17	14283478.10	39°20'00.996"N	80°46'52.508"W	860.77	52.981	8.00	7.81	1.84	POE Marcellus: 6975' MD / 6705' TVD
7013.00	74.190	351.380	6716.45	255.90	554.08	681.63	1702264.53	14283513.92	39°20'01.350"N	80°46'52.578"W	878.42	50.893	8.00	7.81	1.80	
7060.00	78.010	351.550	6727.74	300.23	599.19	674.86	1702257.76	14283559.02	39°20'01.796"N	80°46'52.663"W	902.48	48.399	8.14	8.13	0.36	
7107.00	81.690	351.410	6736.02	345.18	644.94	668.00	1702250.91	14283604.74	39°20'02.248"N	80°46'52.749"W	928.54	46.006	7.84	7.83	-0.30	
7154.00	85.220	350.350	6741.37	390.66	691.04	660.60	1702243.51	14283650.32	39°20'02.704"N	80°46'52.842"W	955.99	43.710	7.84	7.51	-2.26	
7201.00	89.820	348.670	6743.41	436.63	737.19	652.06	1702234.97	14283698.96	39°20'03.161"N	80°46'52.949"W	984.19	41.493	10.42	9.79	-3.57	
7248.00	89.820	346.830	6743.56	482.93	783.12	642.08	1702225.00	14283742.87	39°20'03.615"N	80°46'53.075"W	1012.69	39.348	3.91	0.00	-3.91	
7343.00	89.720	348.380	6743.94	576.55	875.90	621.69	1702204.62	14283835.61	39°20'04.532"N	80°46'53.331"W	1074.11	35.366	1.63	-0.11	1.63	
7437.00	90.000	346.710	6744.17	669.19	967.69	601.42	1702184.35	14283927.36	39°20'05.440"N	80°46'53.587"W	1139.35	31.861	1.80	0.30	-1.78	
7532.00	91.510	335.740	6742.91	763.87	1057.48	570.90	1702153.84	14284017.12	39°20'06.328"N	80°46'53.972"W	1201.75	28.363	11.65	1.59	-11.55	
7627.00	89.880	331.360	6741.76	858.57	1142.51	528.60	1702111.36	14284102.12	39°20'07.170"N	80°46'54.508"W	1268.87	24.828	4.92	-1.72	-4.61	
7816.00	90.150	333.430	6741.78	1046.70	1309.91	440.88	1702023.87	14284269.45	39°20'08.826"N	80°46'55.619"W	1382.11	18.602	1.22	0.19	1.20	
7910.00	89.820	334.270	6741.81	1140.47	1394.29	399.45	1701982.46	14284353.79	39°20'09.661"N	80°46'55.144"W	1450.38	15.986	0.96	-0.35	0.89	
8005.00	90.060	334.680	6741.91	1235.31	1480.01	358.51	1701941.54	14284439.48	39°20'10.509"N	80°46'56.662"W	1522.82	13.617	0.50	0.25	0.43	
8100.00	89.880	334.820	6741.96	1330.17	1565.94	317.99	1701901.03	14284525.37	39°20'11.360"N	80°46'57.175"W	1597.90	11.479	0.24	-0.19	0.15	
8195.00	90.430	338.230	6741.70	1425.13	1653.06	280.15	1701863.21	14284612.46	39°20'12.222"N	80°46'57.654"W	1676.63	9.619	3.64	0.58	3.59	
8289.00	90.430	341.290	6741.00	1519.06	1741.24	247.64	1701830.71	14284700.61	39°20'13.094"N	80°46'58.065"W	1758.76	8.094	3.26	0.00	3.26	
8384.00	90.430	340.780	6740.23	1613.91	1831.08	216.76	1701799.85	14284790.41	39°20'13.983"N	80°46'58.456"W	1843.87	6.751	0.54	0.06	-0.54	
8478.00	90.370	339.620	6739.53	1707.83	1919.52	184.92	1701768.02	14284878.82	39°20'14.857"N	80°46'58.858"W	1928.41	5.503	1.24	-0.13	-1.23	
8573.00	90.370	337.940	6738.91	1802.81	2008.08	150.54	1701733.65	14284967.34	39°20'15.733"N	80°46'59.293"W	2013.71	4.287	1.77	0.00	-1.77	
8668.00	90.310	336.460	6738.35	1897.80	2095.65	113.73	1701696.85	14285054.88	39°20'16.600"N	80°46'59.759"W	2098.73	3.106	1.56	-0.06	-1.56	
8762.00	90.370	336.860	6737.79	1991.78	2181.95	76.49	1701659.63	14285141.15	39°20'17.454"N	80°47'00.230"W	2183.29	2.008	0.43	0.06	0.43	
8856.00	90.370	337.190	6737.19	2085.76	2268.50	39.80	1701622.95	14285227.85	39°20'18.310"N	80°47'00.694"W	2268.85	1.005	0.35	0.00	0.35	
8951.00	90.370	336.780	6736.57	2180.75	2355.93	2.66	1701585.82	14285315.06	39°20'19.175"N	80°47'01.164"W	2355.93	0.065	0.43	0.00	-0.43	
9046.00	90.370	335.590	6735.96	2275.71	2442.84	-35.70	1701547.48	14285401.93	39°20'20.035"N	80°47'01.650"W	2443.10	359.163	1.25	0.00	-1.25	



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #10
Operator	ANTERO RESOURCES CORPORATION	Well	Taunus Unit 3H
Area	Doddridge Co., WV	Wellbore	Taunus Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (201 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
9140.00	90.400	338.240	6735.33	2369.69	2529.30	-72.56	1701510.64	14285488.36	39°20'20.890"N	80°47'02.116"W	2530.34	358.357	2.82	0.03	2.82	
9235.00	90.220	339.740	6734.81	2464.66	2617.98	-106.61	1701476.60	14285577.00	39°20'21.768"N	80°47'02.547"W	2620.15	357.668	1.59	-0.18	1.58	
9329.00	90.520	341.950	6734.21	2558.53	2706.77	-137.46	1701445.77	14285665.76	39°20'22.646"N	80°47'02.937"W	2710.26	357.093	2.37	0.32	2.35	
9424.00	90.430	343.500	6733.42	2653.17	2797.48	-165.66	1701417.57	14285756.43	39°20'23.543"N	80°47'03.293"W	2802.38	356.611	1.63	-0.09	1.63	
9520.00	90.310	344.290	6732.80	2748.63	2889.71	-192.29	1701390.95	14285848.62	39°20'24.455"N	80°47'03.629"W	2896.10	356.193	0.83	-0.12	0.82	
9614.00	90.280	341.970	6732.31	2842.22	2979.66	-219.57	1701363.69	14285938.53	39°20'25.345"N	80°47'03.974"W	2987.74	355.785	2.47	-0.03	-2.47	
9708.00	90.950	340.940	6731.30	2936.03	3068.77	-249.47	1701333.80	14286027.61	39°20'26.226"N	80°47'04.352"W	3078.89	355.353	1.31	0.71	-1.10	
9803.00	90.400	339.410	6730.19	3030.94	3158.13	-281.68	1701301.60	14286116.93	39°20'27.110"N	80°47'04.759"W	3170.67	354.903	1.71	-0.58	-1.61	
9898.00	90.620	338.390	6729.34	3125.92	3246.76	-315.88	1701267.42	14286205.53	39°20'27.987"N	80°47'05.192"W	3262.09	354.443	1.10	0.23	-1.07	
9992.00	89.910	335.460	6728.91	3219.89	3333.22	-352.72	1701230.59	14286291.96	39°20'28.843"N	80°47'05.658"W	3351.83	353.960	3.21	-0.76	-3.12	
10087.00	90.060	334.120	6728.93	3314.76	3419.17	-393.18	1701190.15	14286377.87	39°20'29.693"N	80°47'06.170"W	3441.71	353.440	1.42	0.16	-1.41	
10182.00	89.940	335.140	6728.93	3409.61	3505.01	-433.88	1701149.46	14286463.68	39°20'30.542"N	80°47'06.686"W	3531.76	352.943	1.08	-0.13	1.07	
10277.00	90.000	334.130	6728.98	3504.46	3590.85	-474.58	1701108.78	14286549.48	39°20'31.392"N	80°47'07.201"W	3622.08	352.471	1.07	0.09	-1.06	
10371.00	90.000	333.370	6728.98	3598.22	3675.16	-516.15	1701067.22	14286633.76	39°20'32.226"N	80°47'07.728"W	3711.23	352.005	0.81	0.00	-0.81	
10466.00	90.090	334.800	6728.91	3693.01	3760.60	-557.67	1701025.72	14286719.17	39°20'33.071"N	80°47'08.254"W	3801.73	351.565	1.51	0.09	1.51	
10560.00	90.000	337.200	6728.83	3786.96	3846.47	-595.90	1700987.51	14286805.00	39°20'33.921"N	80°47'08.738"W	3892.35	351.194	2.55	-0.10	2.55	
10654.00	90.090	338.730	6728.76	3880.96	3933.60	-631.17	1700952.25	14286892.10	39°20'34.783"N	80°47'09.184"W	3983.92	350.884	1.63	0.10	1.63	
10748.00	89.970	338.250	6728.71	3974.95	4021.05	-665.63	1700917.80	14286979.51	39°20'35.648"N	80°47'09.620"W	4075.77	350.601	0.53	-0.13	-0.51	
10843.00	90.090	337.550	6728.66	4069.95	4109.07	-701.37	1700882.07	14287067.50	39°20'36.519"N	80°47'10.072"W	4168.50	350.314	0.75	0.13	-0.74	
10937.00	90.090	336.810	6728.51	4163.94	4195.71	-737.83	1700845.63	14287154.11	39°20'37.376"N	80°47'10.534"W	4260.10	350.026	0.79	0.00	-0.79	
11032.00	89.970	335.240	6728.46	4258.89	4282.52	-776.43	1700807.05	14287240.87	39°20'38.235"N	80°47'11.022"W	4352.33	349.724	1.66	-0.13	-1.65	
11127.00	89.940	333.870	6728.54	4353.74	4368.30	-817.25	1700766.25	14287326.62	39°20'39.084"N	80°47'11.539"W	4444.09	349.403	1.44	-0.03	-1.44	
11221.00	89.970	337.930	6728.61	4447.66	4454.03	-855.62	1700727.89	14287412.38	39°20'39.933"N	80°47'12.025"W	4535.52	349.126	4.32	0.03	4.32	
11316.00	89.940	338.110	6728.68	4542.66	4542.18	-891.18	1700692.35	14287500.44	39°20'40.804"N	80°47'12.475"W	4628.78	348.900	0.19	-0.03	0.19	
11411.00	90.000	337.580	6728.73	4637.66	4630.17	-927.00	1700656.53	14287588.39	39°20'41.675"N	80°47'12.928"W	4722.05	348.679	0.56	0.06	-0.56	
11506.00	90.000	337.240	6728.73	4732.66	4717.88	-963.50	1700620.06	14287676.06	39°20'42.542"N	80°47'13.390"W	4815.26	348.458	0.36	0.00	-0.36	
11600.00	90.060	336.160	6728.68	4826.64	4804.21	-1000.68	1700582.89	14287762.36	39°20'43.396"N	80°47'13.861"W	4907.32	348.234	1.15	0.06	-1.15	
11695.00	89.910	336.750	6728.71	4921.61	4891.30	-1038.63	1700544.96	14287849.42	39°20'44.258"N	80°47'14.341"W	5000.36	348.012	0.64	-0.16	0.62	
11789.00	89.910	336.720	6728.86	5015.59	4977.66	-1075.76	1700507.84	14287935.74	39°20'45.112"N	80°47'14.811"W	5092.58	347.805	0.03	0.00	-0.03	
11883.00	89.940	336.710	6728.98	5109.58	5064.00	-1112.91	1700470.70	14288022.05	39°20'45.967"N	80°47'15.282"W	5184.85	347.605	0.03	0.03	-0.01	



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #10
Operator	ANTERO RESOURCES CORPORATION	Well	Taunus Unit 3H
Area	Doddridge Co., WV	Wellbore	Taunus Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (201 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
11977.00	89.940	335.410	6729.08	5203.53	5149.91	-1151.06	1700432.57	14288107.92	39°20'46.817"N	80°47'15.765"W	5276.98	347.401	1.38	0.00	-1.38	
12072.00	90.000	339.220	6729.13	5298.51	5237.55	-1187.69	1700395.95	14288195.52	39°20'47.684"N	80°47'16.228"W	5370.52	347.223	4.01	0.06	4.01	
12166.00	89.970	342.920	6729.15	5392.34	5326.45	-1218.18	1700365.48	14288284.39	39°20'48.563"N	80°47'16.614"W	5463.97	347.118	3.94	-0.03	3.94	
12261.00	89.970	344.420	6729.20	5486.85	5417.61	-1244.89	1700338.78	14288375.52	39°20'49.465"N	80°47'16.951"W	5558.80	347.059	1.58	0.00	1.58	
12354.00	90.000	340.690	6729.23	5579.51	5506.32	-1272.76	1700310.91	14288464.19	39°20'50.342"N	80°47'17.303"W	5651.50	346.985	4.01	0.03	-4.01	
12449.00	90.000	339.320	6729.23	5674.44	5595.59	-1305.25	1700278.44	14288553.43	39°20'51.225"N	80°47'17.714"W	5745.81	346.870	1.44	0.00	-1.44	
12543.00	90.000	339.950	6729.23	5768.40	5683.72	-1337.96	1700245.74	14288641.51	39°20'52.097"N	80°47'18.128"W	5839.07	346.754	0.67	0.00	0.67	
12638.00	89.820	342.080	6729.38	5863.24	5773.54	-1368.86	1700214.85	14288731.31	39°20'52.985"N	80°47'18.518"W	5933.60	346.662	2.25	-0.19	2.24	
12732.00	89.940	340.970	6729.57	5957.05	5862.70	-1398.65	1700185.08	14288820.42	39°20'53.867"N	80°47'18.895"W	6027.22	346.582	1.19	0.13	-1.18	
12827.00	90.340	340.350	6729.34	6051.93	5952.33	-1430.11	1700153.63	14288910.03	39°20'54.754"N	80°47'19.289"W	6121.72	346.490	0.78	0.42	-0.65	
12922.00	90.370	340.650	6728.75	6146.82	6041.88	-1461.82	1700121.93	14289007.86	39°20'55.640"N	80°47'19.694"W	6216.21	346.399	0.32	0.03	0.32	
13016.00	90.250	339.440	6728.24	6240.75	6130.24	-1493.90	1700089.86	14289097.86	39°20'56.514"N	80°47'20.099"W	6309.64	346.304	1.29	-0.13	-1.29	
13110.00	90.310	339.410	6727.78	6334.71	6218.24	-1526.94	1700056.84	14289175.83	39°20'57.384"N	80°47'20.517"W	6402.97	346.204	0.07	0.06	-0.03	
13205.00	89.660	337.530	6727.81	6429.70	6306.61	-1561.80	1700021.99	14289264.16	39°20'58.259"N	80°47'20.959"W	6497.11	346.091	2.09	-0.68	-1.98	
13300.00	90.520	334.850	6727.66	6524.65	6393.51	-1600.15	1699983.66	14289351.03	39°20'59.118"N	80°47'21.444"W	6590.71	345.949	2.96	0.91	-2.82	
13395.00	90.550	333.800	6726.77	6619.47	6479.13	-1641.30	1699942.52	14289436.61	39°20'59.965"N	80°47'21.965"W	6683.78	345.785	1.11	0.03	-1.11	
13489.00	91.260	335.850	6725.29	6713.32	6564.18	-1681.28	1699902.56	14289521.63	39°21'00.807"N	80°47'22.472"W	6776.08	345.634	2.31	0.78	2.18	
13584.00	90.550	334.450	6723.79	6808.21	6650.37	-1721.20	1699862.66	14289607.79	39°21'01.660"N	80°47'22.977"W	6869.50	345.490	1.65	-0.73	-1.47	
13678.00	90.520	334.980	6722.91	6902.01	6735.36	-1761.35	1699822.52	14289692.75	39°21'02.501"N	80°47'23.486"W	6961.86	345.345	0.56	-0.03	0.56	
13773.00	90.490	335.020	6722.07	6996.94	6821.46	-1801.49	1699782.39	14289778.81	39°21'03.353"N	80°47'23.994"W	7055.33	345.206	0.05	-0.03	0.04	
13868.00	90.830	335.040	6720.98	7091.82	6907.57	-1841.59	1699742.31	14289864.89	39°21'04.205"N	80°47'24.502"W	7148.85	345.072	0.36	0.36	0.02	
13962.00	90.620	336.130	6719.79	7185.74	6993.16	-1880.45	1699703.47	14289950.44	39°21'05.051"N	80°47'24.994"W	7241.57	344.949	1.18	-0.22	1.16	
14056.00	90.400	336.330	6718.95	7279.70	7079.18	-1918.33	1699665.60	14290036.43	39°21'05.903"N	80°47'25.474"W	7334.50	344.838	0.32	-0.23	0.21	
14151.00	90.520	337.530	6718.19	7374.68	7166.58	-1955.56	1699628.39	14290123.79	39°21'06.767"N	80°47'25.945"W	7428.60	344.737	1.27	0.13	1.26	
14246.00	90.430	337.610	6717.40	7469.68	7254.39	-1991.80	1699592.16	14290211.57	39°21'07.636"N	80°47'26.404"W	7522.86	344.647	0.13	-0.08	0.08	
14340.00	89.970	337.990	6717.07	7563.68	7341.42	-2027.32	1699556.66	14290298.56	39°21'08.497"N	80°47'26.854"W	7616.20	344.563	0.63	-0.49	0.40	
14434.00	88.550	337.690	6718.29	7657.67	7428.47	-2062.77	1699521.22	14290385.57	39°21'09.358"N	80°47'27.303"W	7709.55	344.481	1.54	-1.51	-0.32	
14529.00	89.880	341.560	6719.59	7752.59	7517.50	-2095.84	1699488.17	14290474.57	39°21'10.239"N	80°47'27.721"W	7804.19	344.422	4.31	1.40	4.07	
14623.00	90.030	345.100	6719.66	7846.15	7607.53	-2122.80	1699461.22	14290564.57	39°21'11.129"N	80°47'28.061"W	7898.15	344.409	3.77	0.16	3.77	
14718.00	90.120	348.270	6719.54	7940.00	7699.97	-2144.67	1699439.35	14290656.97	39°21'12.043"N	80°47'28.337"W	7993.07	344.436	3.34	0.09	3.34	



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #10
Operator	ANTERO RESOURCES CORPORATION	Well	Taunus Unit 3H
Area	Doddridge Co., WV	Wellbore	Taunus Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (201 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (IUS ft)	Grid North (IUS ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
14813.00	90.220	348.380	6719.26	8033.41	7793.00	-2163.90	1699420.13	14290749.96	39°21'12.963"N	80°47'28.579"W	8087.85	344.482	0.16	0.11	0.12	
14907.00	90.000	345.920	6719.08	8126.16	7884.64	-2184.80	1699399.24	14290841.56	39°21'13.869"N	80°47'28.843"W	8181.74	344.512	2.63	-0.23	-2.62	
15002.00	89.970	340.080	6719.10	8220.74	7975.45	-2212.56	1699371.49	14290932.34	39°21'14.768"N	80°47'29.193"W	8276.67	344.495	6.15	-0.03	-6.15	
15097.00	89.970	334.010	6719.15	8315.68	8062.89	-2249.60	1699334.47	14291019.74	39°21'15.633"N	80°47'29.662"W	8370.83	344.411	6.39	0.00	-6.39	
15191.00	89.880	333.440	6719.27	8409.44	8147.17	-2281.21	1699292.87	14291103.99	39°21'16.467"N	80°47'30.189"W	8463.22	344.293	0.61	-0.10	-0.61	
15286.00	89.970	333.490	6719.40	8504.16	8232.17	-2333.65	1699250.45	14291188.95	39°21'17.308"N	80°47'30.727"W	8556.55	344.173	0.11	0.09	0.05	
15380.00	90.000	333.660	6719.42	8597.91	8316.34	-2375.48	1699208.63	14291273.10	39°21'18.141"N	80°47'31.257"W	8648.96	344.059	0.18	0.03	0.18	
15475.00	90.430	335.620	6719.07	8692.75	8402.19	-2416.17	1699167.96	14291358.90	39°21'18.990"N	80°47'31.773"W	8742.69	343.957	2.11	0.45	2.06	
15569.00	90.620	340.120	6718.21	8786.72	8489.23	-2451.57	1699132.58	14291445.92	39°21'19.851"N	80°47'32.221"W	8836.14	343.892	4.79	0.20	4.79	
15663.00	90.620	340.890	6717.19	8880.62	8577.84	-2482.94	1699101.22	14291534.49	39°21'20.728"N	80°47'32.618"W	8929.97	343.856	0.82	0.00	0.82	
15758.00	90.580	341.110	6716.19	8975.47	8667.66	-2513.86	1699070.31	14291624.27	39°21'21.616"N	80°47'33.009"W	9024.84	343.826	0.24	-0.04	0.23	
15852.00	90.800	339.910	6715.06	9069.35	8756.26	-2545.22	1699038.96	14291712.84	39°21'22.492"N	80°47'33.405"W	9118.68	343.792	1.30	0.23	-1.28	
15946.00	90.220	336.710	6714.22	9163.33	8843.59	-2579.96	1699004.24	14291800.14	39°21'23.356"N	80°47'33.845"W	9212.24	343.736	3.46	-0.62	-3.40	
16041.00	90.090	337.730	6713.97	9258.33	8931.18	-2616.74	1698967.47	14291887.69	39°21'24.223"N	80°47'34.311"W	9306.63	343.670	1.08	-0.14	1.07	
16136.00	90.120	333.130	6713.79	9353.22	9017.56	-2656.23	1698927.99	14291974.03	39°21'25.077"N	80°47'34.811"W	9400.63	343.587	4.84	0.03	-4.84	
16230.00	90.060	332.760	6713.65	9448.88	9101.27	-2698.99	1698885.26	14292057.71	39°21'25.906"N	80°47'35.353"W	9493.03	343.482	0.40	-0.06	-0.39	
16325.00	90.120	332.610	6713.50	9541.49	9185.68	-2742.58	1698841.68	14292142.08	39°21'26.741"N	80°47'35.905"W	9586.37	343.376	0.17	0.06	-0.16	
16419.00	89.880	333.580	6713.50	9635.17	9269.50	-2785.12	1698799.16	14292225.87	39°21'27.570"N	80°47'36.444"W	9678.87	343.277	1.06	-0.26	1.03	
16514.00	90.060	333.900	6713.55	9729.93	9354.70	-2827.15	1698757.14	14292311.04	39°21'28.413"N	80°47'36.977"W	9772.57	343.184	0.39	0.19	0.34	
16571.00	89.970	333.210	6713.53	9786.77	9405.73	-2852.53	1698731.77	14292362.05	39°21'28.918"N	80°47'37.299"W	9828.77	343.129	1.22	-0.16	-1.21	
16596.00	89.970	333.210	6713.54	9811.69	9428.05	-2863.80	1698720.51	14292384.36	39°21'29.139"N	80°47'37.441"W	9853.40	343.104	0.00	0.00	0.00	Projected MD @ TD: 16596



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #10
Area	Doddridge Co., WV	Well	Taunus Unit 3H
Field	Doddridge	Wellbore	Taunus Unit 3H AWB
Facility	Strickling Pad		

HOLE & CASING SECTIONS - Ref Wellbore: Taunus Unit 3H AWB Ref Wellpath: Taunus Unit 3H AWP Proj: 16596'									
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	0.03	0.03
17.5in Open Hole	104.50	371.30	266.80	104.50	371.30	0.03	0.03	0.96	0.31
13.375in Casing Surface	24.50	371.30	346.80	24.50	371.30	0.00	0.00	0.96	0.31
12.25in Open Hole	371.30	2584.80	2213.50	371.30	2564.33	0.96	0.31	1.33	278.20
9.625in Casing Intermediate	24.50	2584.80	2560.30	24.50	2564.33	0.00	0.00	1.33	278.20
8.75in Open Hole	2584.80	6628.50	4043.70	2564.33	6521.06	1.33	278.20	234.51	739.57
8.5in Open Hole	6628.50	16596.00	9967.50	6521.06	6713.54	234.51	739.57	9428.05	-2863.80
5.5in Casing Production	24.50	16596.00	16571.50	24.50	6713.54	0.00	0.00	9428.05	-2863.80

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Taunus Unit 3H POE - Rev-2	6703.00	496.20	695.54	1702278.43	14283456.07	39°20'00.778"N	80°46'52.403"W	point
Taunus Unit 3H BHL - Rev-2	6744.00	9447.32	-2873.95	1698710.36	14292403.62	39°21'29.330"N	80°47'37.570"W	point
Taunus Unit 3H LP - Rev-1	6744.00	729.84	645.88	1702228.79	14283689.61	39°20'03.088"N	80°46'53.028"W	point



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #10
Area	Doddridge Co., WV	Well	Taunus Unit 3H
Field	Doddridge	Wellbore	Taunus Unit 3H AWB
Facility	Strickling Pad		

WELLPATH COMPOSITION - Ref Wellbore: Taunus Unit 3H AWB Ref Wellpath: Taunus Unit 3H AWP Proj: 16596'

Start MD Ift	End MD Ift	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.50	361.50	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MS Gyro <17-1/2">(100'-352)	Taunus Unit 3H AWB
361.50	2501.50	ISCWSA MWD, Rev. 4 (Standard)	02 WFT EM <12-1/4">(352')(392'-2492')	Taunus Unit 3H AWB
2501.50	6543.50	ISCWSA MWD, Rev. 4 (Standard)	03 WFT EM <8-3/4">(2492')(2630'-6534')	Taunus Unit 3H AWB
6543.50	16571.00	BHI Auto Trak Curve (Short)	04 AT Curve <8-1/2">(6543.50')(6606'-16571')	Taunus Unit 3H AWB
16571.00	16596.00	Blind Drilling (std)	Projection to bit	Taunus Unit 3H AWB

02/15/2019



Actual Wellpath Report

Taunus Unit 3H AWP Proj: 16596'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Slot	Slot #10	
ANTERO RESOURCES CORPORATION	Well	Taunus Unit 3H	
Doddridge Co., WV	Wellbore	Taunus Unit 3H AWB	
Doddridge			
Strickling Pad			

COMMENTS
<p>Wellpath general comments API: 47-017-06842-0000 BH Job #: 9161036 Rig: Frontier 22 Duration: 05/13/18 - 05/16/18 Gyrodatta MS Gyro <17-1/2">(100'-352') WFT EM <12-1/4">(352')(392'-2492') WFT EM <8-3/4">(2492')(2630'-6534') AT Curve <8-1/2">(6543.50')(6605'-16571') Burket: 6797'MD / 6631'TVD Tully: 6856'MD / 6659'TVD Hamilton: 6948'MD / 6696'TVD POE Marcellus: 6975'MD / 6705'TVD Projected MD @ TD: 16596</p>

02/15/2019