

# ANTERO RESOURCES CORPORATION

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

Slot: Slot #06  
 Well: Addie Unit 1H  
 Wellbore: Addie Unit 1H PWB



API: 47-017-06764-0000  
 BHI Job #: 8863555  
 Rig: Frontier 22  
 Duration: 11/13/2017-11/15/2017

Projected MD at TD: 13345' : 6468.24ft TVD, 6303.83ft N, 1934.81ft W

Plot reference wellpath is Addie Unit 1H PWP Rev-A.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to Frontier 22 (RKB)	North Reference: Grid north
Measured depths are referenced to Frontier 22 (RKB)	Scale: True distance
Frontier 22 (RKB) to Mean Sea Level: 914.5 feet	Depths are in feet
Mean Sea Level to Mud line (At Slot: Slot #06): -890 feet	Created by: delaset on 2018-01-11
Coordinates are in feet referenced to Slot	Database: WA_MPL_EasternUS_Datn

Gyrodatta MS Gyro <17-1/2"> (100'-474') : 0.26° Inc, 109.50ft MD, 109.50ft TVD, -0.09ft VS

Gyrodatta MS Gyro <12-1/4"> (474')(531'-897') : 0.36° Inc, 540.50ft MD, 540.49ft TVD, 0.90ft VS

WFT EM <12-1/4"> (897')(982'-2400') : 4.51° Inc, 991.50ft MD, 990.97ft TVD, -15.84ft VS

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Addie Pad	1695325.147	14283415.126	39°20'00.530"N	80°48'20.930"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #06	-0.93	40.08	1695365.207	14283414.201
Comment	Addie Unit 1H			
Frontier 22 (RKB) to Mud line (At Slot: Slot #06)	24.5ft			
Mean Sea Level to Mud line (At Slot: Slot #06)	-890ft			
Frontier 22 (RKB) to Mean Sea Level	914.5ft			

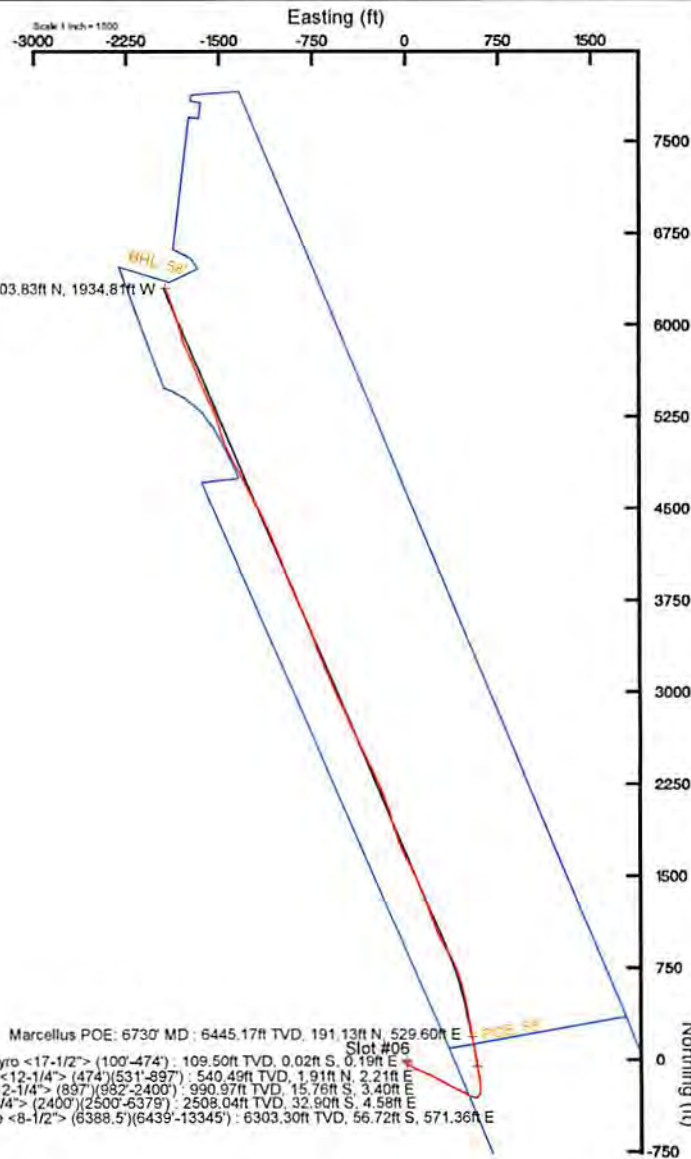
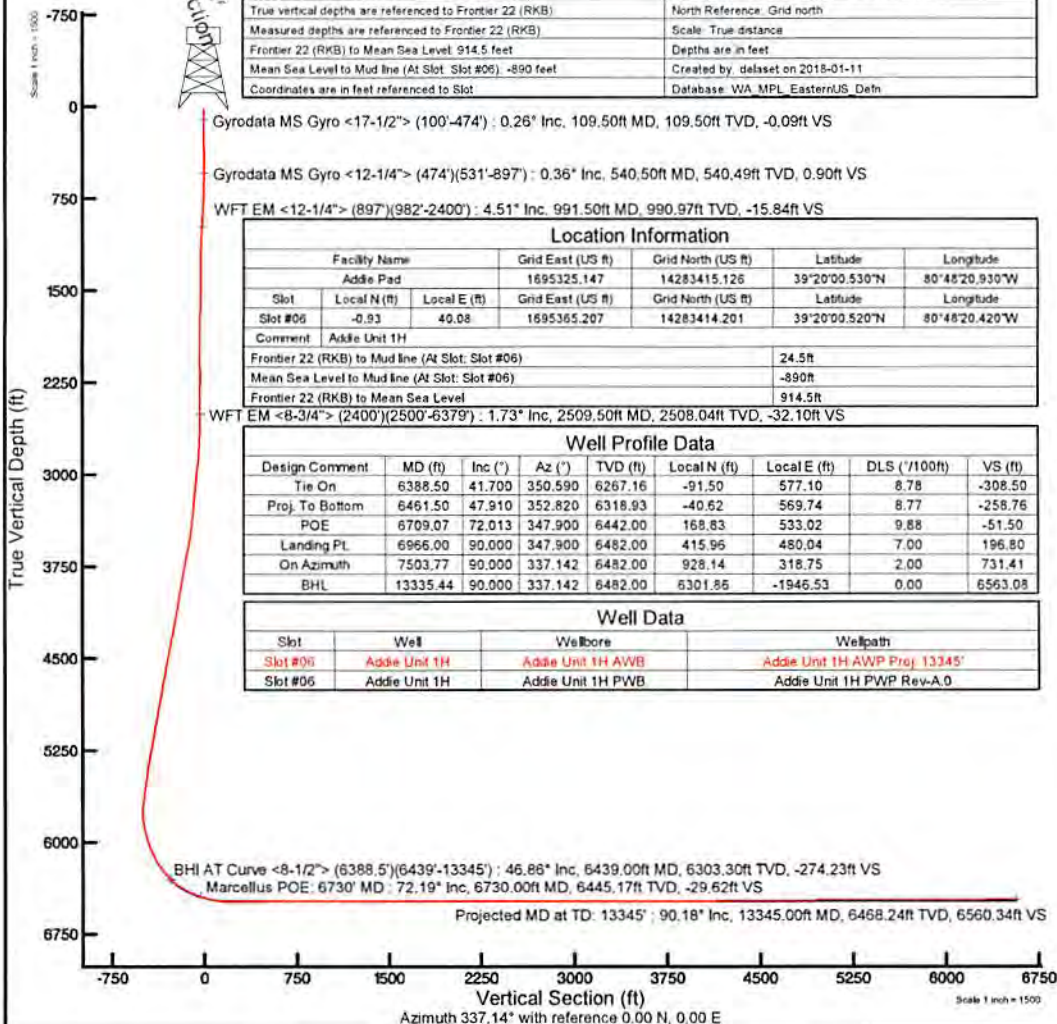
WFT EM <8-3/4"> (2400')(2500'-6379') : 1.73° Inc, 2509.50ft MD, 2508.04ft TVD, -32.10ft VS

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	6388.50	41.700	350.590	6267.16	-91.50	577.10	-308.50
Proj. To Bottom	6461.50	47.910	352.820	6318.93	-40.62	569.74	-258.76
POE	6709.07	72.013	347.900	6442.00	168.83	533.02	9.88
Landing PL	6966.00	90.000	347.900	6482.00	415.96	480.04	196.80
On Azimuth	7503.77	90.000	337.142	6482.00	928.14	318.75	2.00
BHL	13335.44	90.000	337.142	6482.00	6301.86	-1946.53	0.00

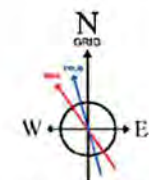
Well Data			
Slot	Well	Wellbore	Wellpath
Slot #06	Addie Unit 1H	Addie Unit 1H AWP	Addie Unit 1H AWP Proj. 13345'
Slot #06	Addie Unit 1H	Addie Unit 1H PWB	Addie Unit 1H PWP Rev-A.0

BHI AT Curve <8-1/2"> (6388.5')(6439'-13345') : 46.86° Inc, 6439.00ft MD, 6303.30ft TVD, -274.23ft VS  
 Marcellus POE: 6730' MD : 72.19° Inc, 6730.00ft MD, 6445.17ft TVD, -29.62ft VS

Projected MD at TD: 13345' : 90.18° Inc, 13345.00ft MD, 6468.24ft TVD, 6560.34ft VS



Marcellus POE: 6730' MD : 6445.17ft TVD, 191.13ft N, 529.60ft E  
 Gyrodatta MS Gyro <17-1/2"> (100'-474') : 109.50ft TVD, 0.02ft S, 0.19ft E  
 Gyrodatta MS Gyro <12-1/4"> (474')(531'-897') : 540.49ft TVD, 1.91ft N, 2.21ft E  
 WFT EM <12-1/4"> (897')(982'-2400') : 990.97ft TVD, 15.76ft S, 3.40ft E  
 WFT EM <8-3/4"> (2400')(2500'-6379') : 2508.04ft TVD, 32.90ft S, 4.58ft E  
 BHI AT Curve <8-1/2"> (6388.5')(6439'-13345') : 6303.30ft TVD, 56.72ft S, 571.36ft E



User specified Dip: 95.59° Field: 52075 nT  
 Magnetic North is 7.63 degrees West of True North (at 10/Nov/2017)  
 Grid North is 0.12 degrees East of True North  
 To correct azimuth from True to Grid subtract 0.12 degrees  
 To correct azimuth from Magnetic to Grid subtract 7.75 degrees



# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Doddridge Co., WV	Well	Addie Unit 1H
Field	Doddridge	Wellbore	Addie Unit 1H AWB
Facility	Addie Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Delaset
Scale	0.999603	Report Generated	11/Jan/2018 at 10:42
Convergence at slot	0.12" East	Database/Source file	WA_MPL_EasternUS_Defn/Addie_Unit_1H_AWP_Proj_13345_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.93	40.08	1695365.21	14283414.20	39°20'00.520"N	80°48'20.420"W
Facility Reference Pt			1695325.15	14283415.13	39°20'00.530"N	80°48'20.930"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	914.50ft
Vertical Reference Pt	Frontier 22 (RKB)	Frontier 22 (RKB) to Mud Line at Slot (Slot #06)	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	337.14°

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# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345'  
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12/28/2018

REFERENCE WELLPATH IDENTIFICATION		Slot #06
Operator	ANTERO RESOURCES CORPORATION	Addie Unit 1H
Area	Doddridge Co., WV	Addie Unit 1H AWB
Field	Doddridge	
Facility	Addie Pad	

WELLPATH DATA (169 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 (F/100ft)	Build Rate (F/100ft)	Turn Rate (F/100ft)	Comments
0.00	0.000	95.510	0.00	0.00	0.00	0.00	1695365.21	14283414.20	39°20'00.520"N	80°48'20.420"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.000	95.510	24.50	0.00	0.00	0.00	1695365.21	14283414.20	39°20'00.520"N	80°48'20.420"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.260	95.510	109.50	-0.08	-0.02	0.19	1695365.40	14283414.18	39°20'00.520"N	80°48'20.418"W	0.19	95.510	0.31	0.31	112.36	Gyrodala MS Gyro <17.1/2"> (100'-474')
209.50	0.820	59.750	209.50	-0.11	0.32	1.04	1695366.24	14283414.52	39°20'00.523"N	80°48'20.407"W	1.08	72.825	0.63	0.56	-35.76	
309.50	0.470	22.610	309.49	0.27	1.06	1.81	1695367.02	14283415.26	39°20'00.530"N	80°48'20.397"W	2.10	59.686	0.53	-0.35	-37.14	
409.50	0.230	14.800	409.49	0.72	1.63	2.02	1695367.23	14283415.83	39°20'00.536"N	80°48'20.394"W	2.60	51.075	0.24	-0.24	-7.81	
483.50	0.100	345.350	483.49	0.90	1.84	2.04	1695367.25	14283416.04	39°20'00.538"N	80°48'20.394"W	2.75	48.013	0.20	-0.18	-39.80	
540.50	0.360	82.990	540.49	0.90	1.91	2.21	1695367.41	14283416.11	39°20'00.539"N	80°48'20.392"W	2.92	49.162	0.68	0.46	171.30	Gyrodala MS Gyro <12.1/4"> (474')(531'-997')
631.50	0.870	109.730	631.48	0.35	1.71	3.14	1695368.35	14283415.91	39°20'00.537"N	80°48'20.390"W	3.58	61.444	0.63	0.56	29.38	
721.50	2.030	162.810	721.45	-1.69	-0.04	4.26	1695369.46	14283414.16	39°20'00.519"N	80°48'20.366"W	4.26	90.591	1.84	1.29	58.98	
811.50	3.000	179.880	811.37	-5.45	-3.92	4.73	1695369.94	14283410.28	39°20'00.481"N	80°48'20.360"W	6.15	129.653	1.35	1.08	18.97	
906.50	3.890	189.330	906.20	-10.47	-9.59	4.21	1695369.42	14283404.62	39°20'00.425"N	80°48'20.367"W	10.47	156.271	1.11	0.94	9.95	
991.50	4.510	185.960	990.97	-15.64	-15.76	3.40	1695368.61	14283398.45	39°20'00.364"N	80°48'20.377"W	16.12	167.823	0.78	0.73	-3.96	WFT EM <12.1/4"> (897')(982'-2400')
1085.50	3.730	189.500	1084.72	-21.66	-22.45	2.51	1695367.72	14283391.76	39°20'00.298"N	80°48'20.389"W	22.59	173.616	0.87	-0.83	3.77	
1180.50	1.950	212.460	1179.61	-25.19	-26.86	1.13	1695366.34	14283387.35	39°20'00.254"N	80°48'20.406"W	26.88	177.582	2.19	-1.87	24.17	
1274.50	1.680	246.310	1273.56	-26.12	-28.76	-0.99	1695364.22	14283385.45	39°20'00.236"N	80°48'20.433"W	28.78	181.963	1.16	-0.29	36.01	
1369.50	1.220	247.270	1368.53	-26.14	-29.71	-3.19	1695362.01	14283384.50	39°20'00.226"N	80°48'20.461"W	29.89	186.135	0.48	-0.48	1.01	
1463.50	0.420	118.300	1462.52	-26.41	-30.26	-3.81	1695361.39	14283383.95	39°20'00.221"N	80°48'20.469"W	30.50	187.182	1.62	-0.85	-137.20	
1558.50	1.560	97.350	1557.51	-27.33	-30.59	-2.22	1695362.88	14283383.62	39°20'00.218"N	80°48'20.449"W	30.68	184.159	1.24	1.20	-22.05	
1652.50	2.470	98.660	1651.45	-29.03	-31.06	1.05	1695366.25	14283383.15	39°20'00.213"N	80°48'20.408"W	31.08	178.070	0.97	0.97	1.39	
1747.50	1.760	115.210	1746.38	-31.19	-31.99	4.39	1695369.60	14283382.22	39°20'00.204"N	80°48'20.365"W	32.29	172.166	0.98	-0.75	17.42	
1842.50	1.150	196.070	1841.36	-33.01	-33.53	5.45	1695370.65	14283380.68	39°20'00.188"N	80°48'20.352"W	33.97	170.773	2.05	-0.64	85.12	
1936.50	3.220	261.360	1935.30	-33.10	-34.83	2.57	1695367.78	14283375.38	39°20'00.176"N	80°48'20.388"W	34.93	175.772	3.12	2.20	69.46	
2031.50	2.390	280.010	2030.19	-31.37	-34.89	-2.01	1695363.19	14283375.32	39°20'00.175"N	80°48'20.447"W	34.95	183.303	1.29	-0.87	19.63	
2125.50	0.800	356.970	2124.15	-29.69	-33.89	-3.98	1695361.23	14283380.32	39°20'00.185"N	80°48'20.472"W	34.13	186.695	2.49	-1.69	81.87	
2220.50	1.420	76.000	2219.14	-29.24	-32.95	-2.87	1695362.34	14283381.27	39°20'00.194"N	80°48'20.457"W	33.07	184.981	1.57	0.65	83.19	
2315.50	1.450	91.060	2314.11	-29.91	-32.68	-0.53	1695364.68	14283381.53	39°20'00.197"N	80°48'20.428"W	32.69	180.925	0.40	0.03	15.85	
2409.50	1.430	94.730	2408.08	-30.94	-32.80	1.83	1695367.04	14283381.41	39°20'00.196"N	80°48'20.398"W	32.85	176.806	0.10	-0.02	3.90	
2509.50	1.730	89.910	2508.04	-32.10	-32.90	4.58	1695369.79	14283381.31	39°20'00.195"N	80°48'20.363"W	33.22	172.070	0.33	0.30	-4.82	WFT EM <8.3/4"> (2400')(2500'-6379')
2604.50	1.720	94.200	2603.00	-33.30	-33.01	7.44	1695372.64	14283381.21	39°20'00.194"N	80°48'20.326"W	33.83	167.298	0.14	-0.01	4.52	

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# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345  
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Operator	ANTERO RESOURCES CORPORATION
Area	Doddridge Co., WV
Field	Doddridge
Facility	Addie Pad
Slot	Slot #06
Addie Unit 1H	Well
Addie Unit 1H AWB	Wellbore

WELLPATH DATA (169 stations)												
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	DLS
(m)	(°)	(°)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
2699.50	3.630	96.210	2697.89	-35.41	-33.44	11.85	169537.05	14283380.78	39°20'00.189"N	80°48'20.270"W	35.47	2.01
2793.50	5.460	110.360	2791.60	-39.92	-35.31	19.00	1695384.20	14283378.90	39°20'00.171"N	80°48'20.179"W	40.10	2.27
2887.50	6.770	125.740	2885.06	-47.71	-40.11	27.69	1695392.89	14283374.11	39°20'00.123"N	80°48'20.069"W	48.74	2.22
2982.50	6.800	129.980	2979.40	-57.50	-46.99	36.55	1695401.74	14283367.23	39°20'00.055"N	80°48'19.956"W	59.53	0.53
3076.50	6.290	128.600	3072.79	-66.97	-53.77	44.84	1695410.03	14283360.45	39°19'59.988"N	80°48'19.851"W	70.02	0.57
3171.50	5.820	126.850	3167.26	-75.70	-59.90	52.77	1695417.96	14283354.32	39°19'59.927"N	80°48'19.750"W	79.83	0.53
3267.50	5.920	118.950	3262.75	-83.79	-65.22	61.00	1695426.18	14283349.01	39°19'59.874"N	80°48'19.646"W	89.30	0.85
3361.50	9.430	103.880	3355.91	-92.16	-69.35	72.74	1695437.91	14283344.88	39°19'59.833"N	80°48'19.496"W	100.50	1.33
3456.50	11.020	113.830	3449.40	-103.36	-74.82	88.61	1695453.79	14283339.41	39°19'59.779"N	80°48'19.294"W	115.97	2.57
3551.50	13.140	113.850	3542.30	-117.83	-82.85	106.80	1695471.96	14283331.38	39°19'59.699"N	80°48'19.063"W	135.17	2.23
3645.50	14.690	115.600	3633.53	-134.53	-92.32	127.32	1695492.48	14283321.92	39°19'59.605"N	80°48'18.802"W	157.27	1.71
3740.50	14.330	116.370	3725.50	-152.45	-102.75	148.72	1695513.86	14283311.49	39°19'59.501"N	80°48'18.530"W	180.76	1.24
3835.50	13.770	115.830	3817.66	-169.85	-112.90	169.43	1695534.57	14283301.35	39°19'59.401"N	80°48'18.267"W	203.60	0.61
3929.50	12.640	114.290	3909.18	-185.79	-122.00	188.87	1695554.00	14283292.25	39°19'59.310"N	80°48'18.020"W	224.85	1.26
4024.50	11.840	118.520	4002.01	-200.41	-130.09	207.32	1695572.44	14283284.16	39°19'59.230"N	80°48'17.785"W	244.75	0.89
4118.50	13.020	118.520	4093.81	-215.61	-138.92	225.50	1695590.61	14283275.34	39°19'59.142"N	80°48'17.554"W	264.85	1.78
4213.50	12.780	120.220	4186.42	-232.37	-149.32	243.98	1695609.09	14283264.95	39°19'59.039"N	80°48'17.319"W	286.04	0.47
4308.50	14.160	119.330	4278.80	-249.95	-160.30	263.19	1695628.29	14283253.97	39°19'58.930"N	80°48'17.075"W	308.16	1.47
4402.50	14.370	118.900	4369.90	-268.20	-171.57	283.43	1695648.52	14283242.70	39°19'58.818"N	80°48'16.818"W	331.31	1.21
4497.50	14.290	118.510	4461.95	-286.61	-182.86	304.05	1695669.13	14283231.41	39°19'58.708"N	80°48'16.566"W	354.80	0.13
4591.50	13.590	119.010	4553.18	-304.36	-193.75	323.90	1695688.98	14283220.53	39°19'58.598"N	80°48'16.303"W	377.43	0.76
4685.50	12.750	120.030	4644.70	-321.32	-204.30	342.54	1695707.61	14283209.98	39°19'58.493"N	80°48'16.066"W	398.84	0.93
4780.50	12.230	119.370	4737.46	-337.64	-214.48	360.38	1695725.45	14283199.81	39°19'58.392"N	80°48'15.840"W	419.38	0.57
4875.50	13.910	116.730	4829.99	-354.29	-224.55	379.35	1695744.41	14283189.74	39°19'58.293"N	80°48'15.598"W	440.83	1.88
4969.50	14.060	115.550	4921.21	-371.43	-234.56	399.75	1695764.79	14283179.74	39°19'58.193"N	80°48'15.339"W	463.48	0.34
5064.50	13.890	115.520	5013.39	-388.58	-244.45	420.45	1695785.49	14283169.85	39°19'58.095"N	80°48'15.076"W	486.35	0.18
5159.50	14.090	114.900	5105.58	-405.67	-254.23	441.23	1695806.26	14283160.07	39°19'57.998"N	80°48'14.812"W	509.23	0.26
5254.50	13.350	118.570	5197.87	-422.81	-264.34	461.35	1695826.37	14283149.96	39°19'57.897"N	80°48'14.556"W	531.71	1.20
5348.50	12.210	123.090	5289.54	-439.53	-274.96	479.21	1695844.22	14283139.35	39°19'57.792"N	80°48'14.329"W	552.49	1.61
5443.50	11.090	114.590	5382.59	-454.58	-284.25	495.94	1695860.94	14283130.06	39°19'57.700"N	80°48'14.116"W	571.62	2.15

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# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION		Slot #06
Area	Doddridge Co., WV		Well
Field	Doddridge		Wellbore
Facility	Addie Pad		Addie Unit 1H AWB

WELLPATH DATA (169 stations) † = Interpolated/extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)	(°/100ft)	(°/100ft)	
5538.50	11.270	111.620	5475.79	-467.82	-291.47	512.87	1695877.88	14283122.85	39°19'57.628"N	80°48'13.901"W	589.91	119.610	0.64	0.19	-3.13	
5632.50	11.780	112.140	5567.89	-481.04	-298.47	530.30	1695895.30	14283115.85	39°19'57.559"N	80°48'13.679"W	608.53	119.372	0.55	0.54	0.55	
5727.50	11.850	105.980	5660.88	-494.02	-304.81	548.66	1695913.65	14283109.51	39°19'57.496"N	80°48'13.446"W	627.65	119.055	1.33	0.07	-6.48	
5759.50	11.140	94.000	5692.24	-497.47	-305.93	554.90	1695919.89	14283108.39	39°19'57.484"N	80°48'13.367"W	633.65	118.869	7.77	-2.22	-37.44	
5790.50	10.820	80.680	5722.68	-499.51	-305.67	560.76	1695925.75	14283108.65	39°19'57.487"N	80°48'13.292"W	638.66	118.595	8.23	-1.03	-42.97	
5822.50	11.000	69.480	5754.11	-500.34	-304.11	566.59	1695931.57	14283110.21	39°19'57.502"N	80°48'13.218"W	643.04	118.225	6.64	0.56	-35.00	
5853.50	10.830	53.470	5784.55	-499.77	-301.34	571.70	1695936.68	14283112.98	39°19'57.529"N	80°48'13.153"W	646.26	117.794	9.78	-0.55	-51.65	
5885.50	11.680	40.380	5815.94	-497.60	-297.08	576.21	1695941.19	14283117.23	39°19'57.571"N	80°48'13.095"W	648.29	117.275	8.39	2.66	-40.91	
5916.50	13.070	31.730	5846.22	-494.15	-291.71	580.09	1695945.07	14283122.60	39°19'57.624"N	80°48'13.046"W	649.31	116.697	7.46	4.48	-27.90	
5948.50	14.910	25.520	5877.27	-489.32	-284.92	583.77	1695948.74	14283129.40	39°19'57.691"N	80°48'12.999"W	649.59	116.016	7.41	5.75	-19.41	
5979.50	16.460	17.720	5907.12	-483.34	-277.14	586.82	1695951.80	14283137.18	39°19'57.768"N	80°48'12.960"W	648.97	115.280	8.43	5.00	-25.16	
6011.50	17.960	9.980	5937.69	-475.75	-267.96	589.06	1695954.03	14283146.35	39°19'57.859"N	80°48'12.931"W	647.14	114.460	8.55	4.69	-24.19	
6042.50	19.040	6.160	5967.09	-467.31	-258.22	590.43	1695955.40	14283156.08	39°19'57.955"N	80°48'12.913"W	644.43	113.622	5.24	3.48	-12.32	
6073.50	19.910	3.760	5996.32	-458.17	-247.93	591.32	1695956.29	14283166.37	39°19'58.057"N	80°48'12.901"W	641.19	112.747	3.81	2.81	-7.74	
6105.50	22.190	0.640	6026.18	-447.75	-236.44	591.74	1695956.71	14283177.85	39°19'58.170"N	80°48'12.896"W	637.23	111.780	7.94	7.13	-9.75	
6136.50	24.150	358.030	6054.68	-436.46	-224.25	591.59	1695956.56	14283190.04	39°19'58.291"N	80°48'12.897"W	632.67	110.760	7.14	6.32	-8.42	
6168.50	26.030	356.700	6083.66	-423.73	-210.70	590.96	1695955.93	14283203.59	39°19'58.425"N	80°48'12.905"W	627.40	109.623	6.13	5.87	-4.16	
6199.50	27.880	356.920	6111.29	-410.50	-196.67	590.18	1695955.15	14283217.61	39°19'58.564"N	80°48'12.915"W	622.09	108.430	5.98	5.97	0.71	
6231.50	29.680	356.540	6139.34	-395.98	-181.29	589.30	1695954.27	14283232.98	39°19'58.716"N	80°48'12.925"W	616.55	107.100	5.65	5.62	-1.19	
6262.50	31.760	354.850	6165.99	-380.97	-165.50	588.10	1695953.08	14283248.77	39°19'58.872"N	80°48'12.940"W	610.95	105.717	7.26	6.71	-5.45	
6294.50	34.040	352.730	6192.85	-364.32	-148.22	586.21	1695951.19	14283266.04	39°19'59.042"N	80°48'12.964"W	604.66	104.190	7.98	7.12	-6.63	
6325.50	36.290	350.900	6218.19	-347.05	-130.56	583.67	1695948.64	14283283.70	39°19'59.217"N	80°48'12.996"W	598.09	102.609	8.01	7.26	-5.90	
6353.00†	38.610	350.285	6240.02	-330.78	-114.06	580.93	1695945.91	14283300.19	39°19'59.380"N	80°48'13.030"W	592.02	101.108	8.55	8.44	-2.24	Middlesex: 6353' MD
6357.50	38.990	350.190	6243.53	-328.04	-111.28	580.45	1695945.43	14283302.96	39°19'59.408"N	80°48'13.036"W	591.02	100.853	8.55	8.44	-2.11	
6388.50	41.700	350.590	6267.16	-308.50	-91.50	577.10	1695942.08	14283322.74	39°19'59.603"N	80°48'13.078"W	584.31	99.009	8.78	8.74	1.29	
6439.00	46.860	350.650	6303.30	-274.23	-56.72	571.36	1695936.34	14283357.50	39°19'59.947"N	80°48'13.150"W	574.17	95.670	10.22	10.22	0.12	BHI AT Curve <8-1/2"> (6388.5')(6439'-13345')
6481.00	51.240	350.410	6330.82	-243.38	-25.44	566.14	1695931.12	14283388.77	39°20'00.256"N	80°48'13.216"W	566.71	92.573	10.44	10.43	-0.57	
6528.00	56.210	350.130	6358.62	-206.49	11.89	559.74	1695924.72	14283426.09	39°20'00.626"N	80°48'13.296"W	559.86	88.783	10.59	10.57	-0.60	
6559.00†	58.802	350.424	6375.27	-181.03	37.66	555.32	1695920.31	14283451.85	39°20'00.880"N	80°48'13.352"W	556.60	86.120	8.40	8.36	0.95	Burkett: 6559' MD
6575.00	60.140	350.570	6383.40	-167.62	51.25	553.05	1695918.03	14283465.43	39°20'01.015"N	80°48'13.380"W	555.42	84.705	8.40	8.36	0.91	

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# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345



## REFERENCE WELLPATH IDENTIFICATION

Operator	Area	Field	Facility
ANTERO RESOURCES CORPORATION	Doddridge Co., WV	Doddridge	Addie Pad
		Wellbore	Addie Unit 1H AWP
		Well	Addie Unit 1H
		Slot	Slot #06

MD Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments	
															m	m
6617.00	63.65	350.929	6403.18	-131.62	87.81	547.09	1695912.08	14283501.98	39°20'01.376"N	80°48'13.455"W	554.10	80.881	8.40	8.36	0.85	ully: 6617 MD
6622.00	64.07	350.970	6405.38	-127.26	92.25	546.39	1695911.38	14283506.41	39°20'01.420"N	80°48'13.464"W	554.12	80.417	8.40	8.36	0.82	
6671.00	67.99	350.410	6425.29	-83.74	136.42	539.14	1695904.13	14283550.57	39°20'01.857"N	80°48'13.555"W	556.13	75.800	8.07	8.00	-1.14	
6703.00	70.56	350.060	6436.61	-54.59	165.81	534.07	1695899.06	14283580.05	39°20'02.148"N	80°48'13.619"W	559.24	72.742	8.06	8.00	-1.09	Hamilton: 6703 MD
6730.00	72.19	349.950	6445.17	-29.62	191.13	529.60	1695894.60	14283605.25	39°20'02.398"N	80°48'13.675"W	563.03	71.566	3.73	3.71	0.42	Marcellus POE: 6730 MD
6766.00	73.53	350.100	6455.78	3.91	225.01	523.64	1695888.64	14283639.12	39°20'02.733"N	80°48'13.750"W	569.94	66.747	3.73	3.71	0.42	
6813.00	77.41	350.270	6467.57	48.23	269.83	515.89	1695880.89	14283683.92	39°20'03.176"N	80°48'13.847"W	582.19	62.388	8.26	8.26	0.36	
6861.00	80.04	350.370	6476.95	94.06	316.23	507.97	1695872.98	14283730.31	39°20'03.635"N	80°48'13.947"W	598.36	58.096	5.48	5.48	0.21	
6908.00	84.45	349.790	6489.29	139.43	362.09	499.85	1695864.96	14283776.15	39°20'04.088"N	80°48'14.047"W	617.30	54.086	9.46	9.38	-1.23	
6955.00	88.15	350.170	6488.33	185.15	408.27	491.79	1695856.80	14283822.31	39°20'04.545"N	80°48'14.150"W	639.18	50.302	7.91	7.87	0.81	
7049.00	90.56	347.740	6487.31	277.14	500.51	473.79	1695838.80	14283914.51	39°20'05.457"N	80°48'14.377"W	689.19	43.429	3.71	2.66	-2.59	
7144.00	90.58	344.690	6486.29	370.94	592.76	451.15	1695816.18	14284006.72	39°20'06.369"N	80°48'14.662"W	744.92	37.275	3.21	-0.07	-3.21	
7239.00	91.11	344.100	6484.89	465.17	684.25	425.60	1695790.64	14284098.17	39°20'07.274"N	80°48'14.985"W	805.81	31.882	0.83	0.66	-0.62	
7323.00	90.03	336.650	6483.96	557.96	771.60	393.94	1695758.99	14284185.49	39°20'08.138"N	80°48'15.385"W	866.35	27.046	8.73	-1.16	-8.66	
7427.00	90.15	329.280	6483.81	652.62	855.94	350.34	1695715.41	14284269.80	39°20'08.972"N	80°48'15.938"W	924.87	22.259	7.13	-0.13	-7.13	
7523.00	89.72	330.090	6483.92	747.80	938.82	301.88	1695666.97	14284352.64	39°20'09.792"N	80°48'16.552"W	986.16	17.826	0.96	-0.45	0.84	
7617.00	89.91	337.150	6484.23	841.57	1022.97	260.14	1695625.25	14284436.77	39°20'10.625"N	80°48'17.081"W	1055.53	14.268	7.51	0.20	7.51	
7712.00	90.18	340.700	6484.15	936.50	1111.81	225.99	1695591.10	14284525.36	39°20'11.502"N	80°48'17.513"W	1134.34	11.492	3.75	0.28	3.74	
7807.00	90.37	342.530	6483.70	1031.21	1201.75	196.03	1695561.15	14284615.47	39°20'12.393"N	80°48'17.892"W	1217.63	9.264	1.94	0.20	1.93	
7902.00	89.88	336.610	6483.49	1126.08	1290.74	162.88	1695528.02	14284704.42	39°20'13.274"N	80°48'18.312"W	1300.97	7.192	6.25	-0.52	-6.23	
7997.00	89.94	337.500	6483.64	1221.08	1378.22	125.84	1695491.00	14284791.87	39°20'14.139"N	80°48'18.781"W	1383.95	5.217	0.94	0.06	0.94	
8091.00	90.52	341.190	6483.26	1314.99	1466.16	92.69	1695457.86	14284879.78	39°20'15.009"N	80°48'19.200"W	1469.09	3.618	3.97	0.62	3.93	
8186.00	90.06	332.630	6482.78	1409.90	1553.47	55.47	1695420.66	14284967.05	39°20'15.873"N	80°48'19.671"W	1554.46	2.045	9.02	-0.48	-9.01	
8281.00	89.97	330.790	6482.75	1504.47	1637.12	10.45	1695375.65	14285050.66	39°20'16.700"N	80°48'20.242"W	1637.15	0.366	1.94	-0.09	-1.94	
8376.00	90.00	337.360	6482.78	1599.28	1722.51	-31.06	1695334.16	14285136.02	39°20'17.545"N	80°48'20.768"W	1722.79	358.967	6.92	0.03	6.92	
8471.00	90.12	339.860	6482.68	1694.25	1810.96	-65.71	1695299.53	14285224.44	39°20'18.420"N	80°48'21.207"W	1812.15	357.922	2.63	0.13	2.63	
8565.00	90.00	343.010	6482.58	1787.97	1900.06	-95.63	1695269.61	14285313.50	39°20'19.301"N	80°48'21.585"W	1902.46	357.119	3.35	-0.13	3.35	
8661.00	90.80	344.620	6481.91	1883.31	1992.25	-122.39	1695242.87	14285405.65	39°20'20.213"N	80°48'21.923"W	1996.00	356.485	1.87	0.83	1.68	
8755.00	90.15	340.510	6481.13	1976.87	2081.90	-150.55	1695214.72	14285495.28	39°20'21.100"N	80°48'22.279"W	2087.34	355.864	4.43	-0.69	-4.37	



# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Slot	Slot #06
Area	Doddridge Co., WV		Well	Addie Unit 1H
Field	Doddridge		Wellbore	Addie Unit 1H AWB
Facility	Addie Pad			

WELLPATH DATA (169 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
8851.00	90.090	337.980	6480.93	2072.80	2171.67	-184.56	1695180.72	14285585.00	39°20'21.988"N	80°48'22.710"W	2179.49	355.142	2.64	-0.06	-2.64	
8946.00	90.430	337.470	6480.50	2167.79	2259.58	-220.57	1695144.72	14285672.88	39°20'22.857"N	80°48'23.166"W	2270.32	354.425	0.65	0.36	-0.54	
9041.00	90.280	334.580	6479.91	2262.76	2346.37	-259.17	1695106.14	14285759.63	39°20'23.716"N	80°48'23.654"W	2360.64	353.697	3.05	-0.16	-3.04	
9136.00	89.910	331.620	6479.75	2357.51	2431.08	-302.15	1695063.18	14285844.31	39°20'24.554"N	80°48'24.199"W	2449.78	352.915	3.14	-0.39	-3.12	
9230.00	90.030	335.510	6479.80	2451.31	2515.23	-343.98	1695021.36	14285928.43	39°20'25.387"N	80°48'24.729"W	2538.65	352.213	4.14	0.13	4.14	
9325.00	90.000	333.980	6479.78	2546.23	2601.15	-384.51	1694980.85	14286014.32	39°20'26.237"N	80°48'25.243"W	2629.42	351.591	1.61	-0.03	-1.61	
9419.00	89.570	333.650	6480.13	2640.07	2685.50	-425.99	1694939.38	14286098.63	39°20'27.072"N	80°48'25.768"W	2719.08	350.986	0.58	-0.46	-0.35	
9514.00	89.850	337.640	6480.61	2735.01	2772.03	-465.16	1694900.23	14286185.13	39°20'27.928"N	80°48'26.265"W	2810.79	350.474	4.21	0.29	4.20	
9609.00	90.000	335.890	6480.73	2830.01	2859.32	-502.64	1694862.77	14286272.38	39°20'28.791"N	80°48'26.739"W	2903.17	350.030	1.85	0.16	-1.84	
9704.00	89.760	334.010	6480.84	2924.93	2945.38	-542.86	1694822.56	14286358.41	39°20'29.643"N	80°48'27.249"W	2994.99	349.557	2.00	-0.26	-1.98	
9798.00	89.540	337.350	6481.52	3018.89	3031.03	-581.57	1694783.87	14286444.02	39°20'30.490"N	80°48'27.739"W	3086.32	349.139	3.56	-0.22	3.55	
9894.00	90.030	337.940	6481.88	3114.88	3119.81	-618.08	1694747.37	14286532.77	39°20'31.368"N	80°48'28.202"W	3180.45	348.794	0.80	0.51	0.61	
9988.00	89.910	337.140	6481.93	3208.88	3206.68	-653.99	1694711.48	14286619.60	39°20'32.227"N	80°48'28.656"W	3272.69	348.473	0.86	-0.13	-0.85	
10083.00	90.060	336.400	6481.96	3303.88	3293.98	-691.46	1694674.02	14286706.87	39°20'33.091"N	80°48'29.131"W	3365.77	348.145	0.79	0.16	-0.78	
10179.00	90.090	342.290	6481.83	3399.76	3383.77	-725.31	1694640.19	14286796.62	39°20'33.979"N	80°48'29.559"W	3460.63	347.902	6.14	0.03	6.14	
10273.00	90.180	342.690	6481.61	3493.35	3473.41	-753.59	1694611.92	14286886.23	39°20'34.866"N	80°48'29.917"W	3554.22	347.759	0.44	0.10	0.43	
10368.00	90.180	336.040	6481.31	3588.23	3562.27	-787.05	1694578.47	14286975.05	39°20'35.745"N	80°48'30.340"W	3648.18	347.541	7.00	0.00	-7.00	
10463.00	90.120	334.310	6481.06	3683.17	3648.48	-826.93	1694538.60	14287061.23	39°20'36.598"N	80°48'30.846"W	3741.02	347.230	1.82	-0.06	-1.82	
10558.00	90.120	335.450	6480.87	3778.09	3734.50	-867.26	1694498.29	14287147.21	39°20'37.449"N	80°48'31.357"W	3833.88	346.926	1.20	0.00	1.20	
10653.00	90.060	336.940	6480.72	3873.08	3821.41	-905.61	1694459.96	14287234.09	39°20'38.308"N	80°48'31.842"W	3927.25	346.668	1.57	-0.06	1.57	
10748.00	90.180	339.020	6480.52	3968.06	3909.48	-941.22	1694424.36	14287322.12	39°20'39.180"N	80°48'32.293"W	4021.18	346.463	2.19	0.13	2.19	
10843.00	90.580	339.740	6479.89	4062.99	3998.39	-974.68	1694390.92	14287411.00	39°20'40.059"N	80°48'32.717"W	4115.47	346.300	0.87	0.42	0.76	
10938.00	90.090	338.040	6479.33	4157.94	4087.01	-1008.89	1694356.72	14287499.58	39°20'40.936"N	80°48'33.150"W	4209.69	346.134	1.86	-0.52	-1.79	
11033.00	90.090	338.840	6479.18	4252.91	4175.36	-1043.80	1694321.82	14287587.90	39°20'41.810"N	80°48'33.592"W	4303.85	345.964	0.84	0.00	0.84	
11128.00	90.220	337.620	6478.93	4347.89	4263.58	-1079.03	1694286.60	14287676.09	39°20'42.682"N	80°48'34.038"W	4398.01	345.798	1.29	0.14	-1.28	
11223.00	90.250	336.020	6478.54	4442.89	4350.91	-1116.43	1694249.23	14287763.38	39°20'43.546"N	80°48'34.511"W	4491.86	345.609	1.68	0.03	-1.68	
11318.00	90.520	337.170	6477.90	4537.88	4438.09	-1154.16	1694211.51	14287850.52	39°20'44.409"N	80°48'34.989"W	4585.71	345.423	1.24	0.28	1.21	
11412.00	90.340	332.010	6477.19	4631.75	4522.97	-1194.48	1694171.20	14287935.36	39°20'45.248"N	80°48'35.500"W	4678.03	345.206	5.49	-0.19	-5.49	
11507.00	90.220	332.380	6476.73	4726.40	4607.00	-1238.79	1694126.91	14288019.36	39°20'46.080"N	80°48'36.062"W	4770.64	344.949	0.41	-0.13	0.39	
11601.00	90.860	334.410	6475.84	4820.19	4691.03	-1280.89	1694084.83	14288103.37	39°20'46.911"N	80°48'36.596"W	4862.76	344.728	2.26	0.68	2.16	

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# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345



## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION
Area	Doddridge Co., WV
Field	Doddridge
Facility	Addie Pad
Slot	Slot #06
Addie Unit 1H	Well
Addie Unit 1H AWB	Wellbore

## WELLPATH DATA (169 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[m]	[°]	[°]	[m]	[m]	[m]	[m]	[US m]	[US m]	[°]	[°]	[m]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
11696.00	330.950	6474.61	4914.88	4775.42	-1324.48	1694041.26	14288187.72	39°20'47.746"N	80°48'37.148"W	4955.69	344.498	3.65	-0.25	-3.64	0.29	
11791.00	90.060	6474.05	5009.34	4858.58	-1370.40	1693995.35	14288270.84	39°20'48.569"N	80°48'37.731"W	5048.15	344.248	0.66	-0.59	0.29		
11866.00	90.090	6473.93	5104.05	4942.99	-1413.97	1693951.80	14288355.22	39°20'49.404"N	80°48'38.283"W	5141.25	344.037	3.09	0.03	3.09		
11981.00	89.850	6473.98	5199.01	5029.81	-1452.47	1693913.31	14288442.01	39°20'50.263"N	80°48'38.771"W	5235.33	343.893	4.04	-0.25	4.03		
12078.00	90.280	6473.87	5293.82	5119.34	-1484.15	1693881.65	14288531.51	39°20'51.149"N	80°48'39.172"W	5330.14	343.833	5.31	0.45	5.29		
12171.00	91.020	6472.79	5388.32	5210.18	-1511.96	1693853.85	14288622.30	39°20'52.047"N	80°48'39.523"W	5425.12	343.818	0.79	-0.76	-0.11		
12268.00	90.090	6471.87	5483.16	5299.29	-1544.73	1693821.09	14288711.38	39°20'52.928"N	80°48'39.938"W	5519.84	343.749	6.65	-0.98	-6.58		
12361.00	90.000	6471.79	5578.13	5385.91	-1583.72	1693782.12	14288797.97	39°20'53.785"N	80°48'40.432"W	5613.93	343.614	1.92	-0.09	-1.92		
12455.00	90.090	6471.72	5672.09	5471.42	-1622.76	1693743.09	14288883.44	39°20'54.631"N	80°48'40.927"W	5707.00	343.480	1.28	0.10	1.28		
12550.00	90.000	6471.65	5767.09	5558.71	-1660.26	1693705.61	14288970.69	39°20'55.495"N	80°48'41.402"W	5801.35	343.370	1.46	-0.09	1.46		
12645.00	90.490	6471.24	5862.06	5646.94	-1695.46	1693670.42	14289058.89	39°20'56.368"N	80°48'41.847"W	5895.97	343.288	1.78	0.52	1.71		
12740.00	90.520	6470.40	5957.05	5734.60	-1732.02	1693633.88	14289146.52	39°20'57.235"N	80°48'42.310"W	5990.46	343.194	3.57	0.03	-3.57		
12835.00	89.850	6470.10	6052.03	5821.55	-1770.30	1693595.61	14289233.43	39°20'58.095"N	80°48'42.795"W	6084.77	343.086	1.38	-0.71	1.19		
12931.00	90.180	6470.07	6147.80	5911.97	-1802.34	1693563.59	14289323.82	39°20'58.989"N	80°48'43.201"W	6180.60	343.046	7.70	0.34	7.69		
13026.00	90.180	6469.77	6241.06	6002.48	-1827.72	1693538.22	14289414.29	39°20'59.884"N	80°48'43.521"W	6274.58	343.065	0.33	0.00	0.33		
13120.00	90.460	6469.24	6336.55	6093.31	-1855.51	1693510.44	14289505.08	39°21'00.783"N	80°48'43.873"W	6369.57	343.064	3.17	0.29	-3.16		
13216.00	90.220	6468.67	6431.38	6183.78	-1887.61	1693478.35	14289595.52	39°21'01.678"N	80°48'44.279"W	6465.46	343.025	2.15	-0.25	-2.14		
13311.00	90.180	6468.34	6526.35	6272.30	-1922.07	1693443.90	14289684.00	39°21'02.553"N	80°48'44.715"W	6560.19	342.963	1.51	-0.04	-1.51		
13345.00	90.180	6468.010	6580.34	6303.83	-1934.81	1693431.17	14289715.52	39°21'02.865"N	80°48'44.877"W	6594.07	342.937	0.00	0.00	0.00	Projected MD at TD: 13345	

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# Actual Wellpath Report

Addie Unit 1H AWP Proj: 13345'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Doddridge Co., WV	Well	Addie Unit 1H
Field	Doddridge	Wellbore	Addie Unit 1H AWB
Facility	Addie Pad		

HOLE & CASING SECTIONS - Ref Wellbore: Addie Unit 1H AWB Ref Wellpath: Addie Unit 1H AWP Proj: 13345'										
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	-0.02	0.17	
17.5in Open Hole	104.50	502.20	397.70	104.50	502.19	-0.02	0.17	1.87	2.05	
13.375in Casing Surface	24.50	502.20	477.70	24.50	502.19	0.00	0.00	1.87	2.05	
12.25in Open Hole	502.20	2493.70	1991.50	502.19	2492.25	1.87	2.05	-32.90	4.11	
9.625in Casing Intermediate	24.50	2493.70	2469.20	24.50	2492.25	0.00	0.00	-32.90	4.11	
8.75in Open Hole	2493.70	6461.50	3967.80	2492.25	6318.34	-32.90	4.11	-40.22	568.62	
8.5in Open Hole	6461.50	13345.00	6883.50	6318.34	6468.24	-40.22	568.62	6303.83	-1934.81	
5.5in Casing Production	24.50	13345.00	13320.50	24.50	6468.24	0.00	0.00	6303.83	-1934.81	

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Addie Unit 1H POE - Rev-2	6442.00	168.83	533.02	1695898.02	14283582.97	39°20'02.177"N	80°48'13.632"W	point
Addie Unit 1H BHL - Rev-2	6482.00	6301.86	-1946.53	1693419.45	14289713.55	39°21'02.846"N	80°48'45.026"W	point
Addie Unit 1H LP - Rev-1	6482.00	415.96	480.04	1695845.05	14283830.00	39°20'04.621"N	80°48'14.299"W	point

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Addie Unit 1H AWP Proj: 13345'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Doddridge Co., WV	Well	Addie Unit 1H
Field	Doddridge	Wellbore	Addie Unit 1H AWB
Facility	Addie Pad		

WELLPATH COMPOSITION - Ref Wellbore: Addie Unit 1H AWB Ref Wellpath: Addie Unit 1H AWP Proj: 13345'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
24.50	483.50	Gyrodatta standard - Drop gyro or Multi-shot	01 Gyrodatta MS Gyro <17-1/2">(100'-474')	Addie Unit 1H AWB	
483.50	906.50	Gyrodatta standard - Drop gyro or Multi-shot	02 Gyrodatta MS Gyro <12-1/4">(474')(531'-897')	Addie Unit 1H AWB	
906.50	2409.50	ISCWSA MWD, Rev. 4 (Standard)	03 WFT EM <12-1/4">(897')(982'-2400')	Addie Unit 1H AWB	
2409.50	6388.50	ISCWSA MWD, Rev. 4 (Standard)	04 WFT EM <8-3/4">(2400')(2500'-6379')	Addie Unit 1H AWB	
6388.50	13311.00	BHI AutoTrak Curve (Short)	05 BH ATCurve <8-1/2">(6388.5')(6439'-13311')	Addie Unit 1H AWB	
13311.00	13345.00	Blind Drilling (std)	Projection to bit	Addie Unit 1H AWB	

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Addie Unit 1H AWP Proj: 13345'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Doddridge Co., WV	Well	Addie Unit 1H
Field	Doddridge	Wellbore	Addie Unit 1H AWB
Facility	Addie Pad		

## COMMENTS

### Wellpath general comments

API: 47-017-06764-0000

BHI Job #: 8863555

Rig: Frontier 22

Duration: 11/13/2017-11/15/2017

Gyrodata MS Gyro <17-1/2"> (100'-474')

Gyrodata MS Gyro <12-1/4"> (474')(531'-897')

WFT EM <12-1/4"> (897')(982'-2400')

WFT EM <8-3/4"> (2400')(2500'-6379')

BHI AT Curve <8-1/2"> (6388.5')(6439'-13345')

Middlesex: 6353' MD

Burkett: 6559' MD

Tully: 6617' MD

Hamilton: 6703' MD

Marcellus POE: 6730' MD

Projected MD at TD: 13345'