

ANTERO RESOURCES CORPORATION

Location: Ritchie County, WV
 Field: Ritchie
 Facility: Black Forest Pad

Wellbore: Every Unit 1H PWB
 Well: Every Unit 1H
 Slot: Slot #01

Production separator is Every Unit 1H PWP Rev A-D
 True vertical depths are referenced to H&P 317 (R&G)
 Measured depths are referenced to H&P 317 (R&G)
 H&P 317 (R&G) to Mean Sea Level: 1108.5 feet
 Mean Sea Level to Ground level (A): Slot: Slot #01 - 1083 feet
 Coordinates are in feet referenced to Slot
 Database: VFA_MPL_EasternUS_Defn
 Created by: delay on 2019-03-29

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Black Forest Pad	1832416.484	14274830.348	39° 18' 34.240"N	81° 07' 41.820"W
Local N (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot #01	9.10	1832420.415	39° 18' 34.330"N	81° 07' 41.770"W
H&P 317 (R&G) to Ground level (A): Slot: Slot #01	3.83	14274830.447	39° 18' 34.330"N	81° 07' 41.770"W
Mean Sea Level to Ground level (A): Slot: Slot #01			26.6ft	
H&P 317 (R&G) to Mean Sea Level			-1083ft	

Well Data

Slot	Well	Wellbore	Wellpath
Slot #01	Every Unit 1H	Every Unit 1H PWB	Every Unit 1H PWB
Slot #01	Every Unit 1H	Every Unit 1H PWB	Every Unit 1H PWB

Well Profile Data

Design Comment	MD (ft)	Inc. (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	CLS (ft/100ft)	VS (ft)
Top On	5832.30	11.780	81.370	5503.55	783.18	779.38	1.57	-485.39
End of 3D Arc	5805.50	12.570	84.990	5595.14	790.10	790.60	4.70	-488.28
End of 3D Arc	6345.57	53.505	158.425	6113.33	984.47	984.47	8.50	-212.87
POE	6556.25	69.825	180.920	6219.00	395.45	1028.37	7.81	-28.11
Landing Pl.	6914.60	90.000	180.920	6294.00	148.40	1111.06	7.81	224.84
BHL	14431.95	90.000	180.920	6294.00	-7052.28	3901.03	0.00	784.19

Gyrodota MS Gyro <17-1/2>(100-460) : 0.09° Inc, 110.50ft MD, 110.50ft TVD, -0.06ft VS
 Panther EM <12-1/4>(460)(473-2570) : 0.32° Inc, 483.50ft MD, 483.50ft TVD, 0.06ft VS

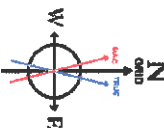
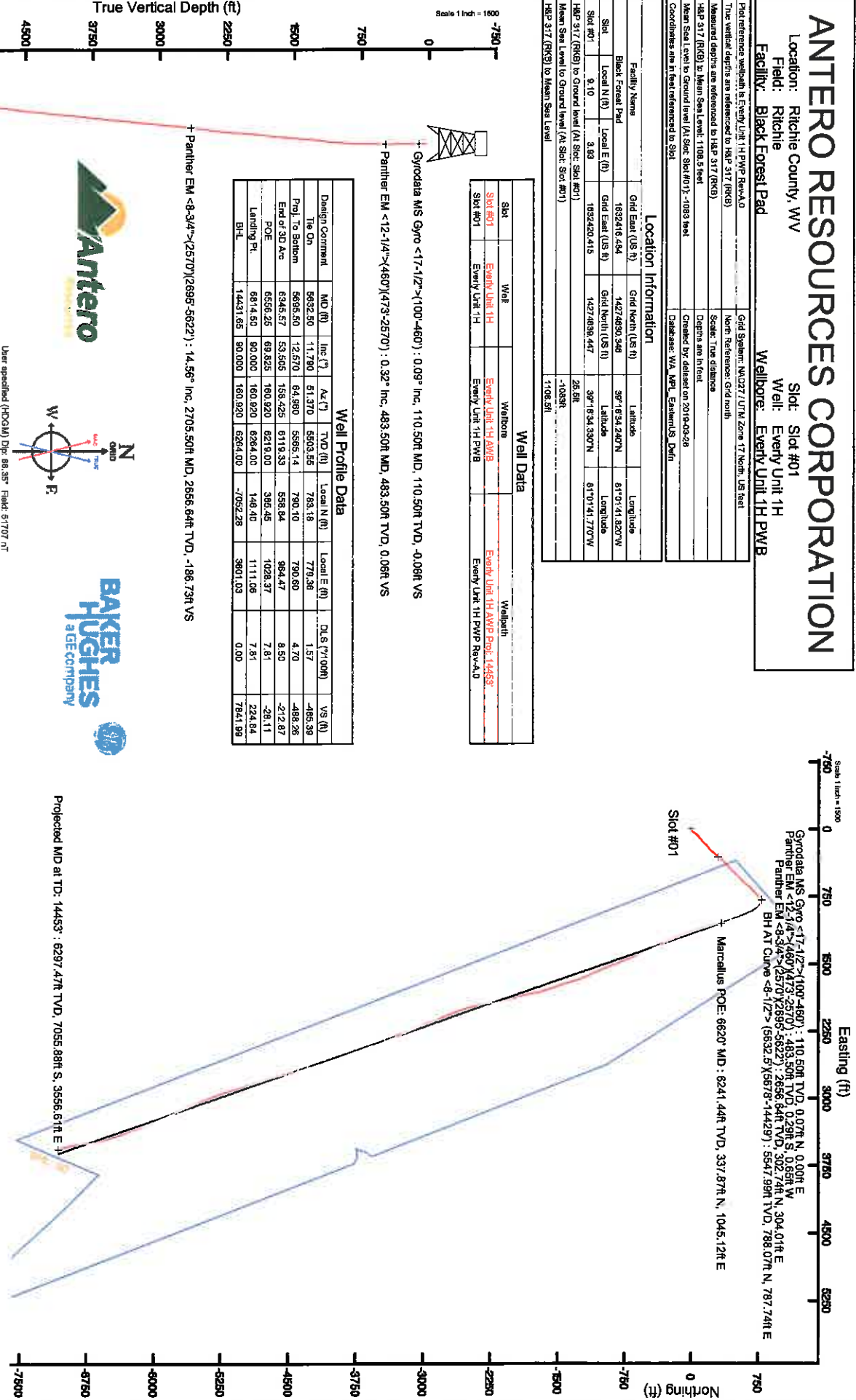
Parthier EM <8-3/4>(2570)(2695-5622) : 14.56° Inc, 2705.50ft MD, 2656.64ft TVD, -186.73ft VS

BH AT Curve <8-1/2>(5632.5)(5678-14429) : 13.07° Inc, 5678.00ft MD, 5547.99ft TVD, -487.27ft VS

Marcellus POE: 6620' MD : 73.19° Inc, 6620.00ft MD, 6241.44ft TVD, 22.33ft VS

Projected MD at TD: 14453' : 89.94° Inc, 14453.00ft MD, 6297.47ft TVD, 7830.87ft VS

Projected MD at TD: 14453' : 6297.47ft TVD, 7055.88ft S, 3566.61ft E



User specified (HDCGM) Dip: 88.33° Fcld: 8.7707° NT
 Magnetic North is 0.95 degrees West of True North (Lat: 39.172019)
 To correct azimuth from True to Grid add 0.92 degrees
 To correct azimuth from Magnetic to Grid subtract 7.95 degrees

APL: 47-085-10378-0000
 BHI Job #: 109718180
 Rig: H&P 317
 Duration: 03/20/2019-03/23/2019



Actual Wellpath Report

Everly Unit 1H AWP Proj: 14453'
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REFERENCE WELL PATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Ritchie County, WV	Well	Everly Unit 1H
Field	Ritchie	Wellbore	Everly Unit 1H AWB
Facility	Black Forest Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect@ 5.1
North Reference	Grid	User	Delaset
Scale	0.999600	Report Generated	3/26/2019 at 1:48:54 PM
Convergence at slot	0.02° West	Database/Source file	WA_MPL_EasternUS_Defr/Everly_Unit_1H_AWP_Proj_14453.xml

WELLPATH LOCATION							
	Local coordinates			Grid coordinates		Geographic coordinates	
	North(ft)	East(ft)	Easting(US ft)	Northing(US ft)	Latitude	Longitude	
Slot Location	9.10	3.93	1632420.42	14274639.45	39°18'34.330"N	81°01'41.770"W	
Facility Reference Pt			1632416.48	14274630.35	39°18'34.240"N	81°01'41.820"W	
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W	

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 317 (RKB) to Facility Vertical Datum	25.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1108.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot #01)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	160.92°



Actual Wellpath Report

Every Unit 1H AWP Proj: 14453
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Ritchie County, WV	Well	Every Unit 1H
Field	Ritche	Wellbore	Every Unit 1H AWB
Facility	Black Forest Pad		

WELLPATH DATA (173 stations) † = interpolated/extrapolated station

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	OLS	Build Rate	Turn Rate	Comments
ft	°	°	ft	ft	ft	ft	US ft	US ft	°	°	ft	°	ft/100ft	°/100ft	°/100ft	
0.00†	0.000	0.990	0.00	0.00	0.00	0.00	1632420.42	14274839.45	39°18'34.330"N	81°01'41.770"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	0.990	25.50	0.00	0.00	0.00	1632420.42	14274839.45	39°18'34.330"N	81°01'41.770"W	0.00	0.000	0.00	0.00	0.00	
110.50	0.090	0.990	110.50	-0.06	0.07	0.00	1632420.42	14274839.51	39°18'34.331"N	81°01'41.770"W	0.07	0.990	0.11	0.13	1.16	Gyrodatta MS Gyro <17-12>(100-460)
210.50	0.020	140.030	210.50	-0.12	0.13	0.01	1632420.43	14274839.58	39°18'34.331"N	81°01'41.770"W	0.13	5.939	0.11	-0.07	139.04	
310.50	0.160	237.400	310.50	-0.07	0.04	-0.09	1632420.32	14274839.49	39°18'34.330"N	81°01'41.771"W	0.10	285.038	0.16	0.14	97.37	
410.50	0.250	232.640	410.50	0.03	0.16	-0.38	1632420.03	14274839.28	39°18'34.328"N	81°01'41.775"W	0.42	246.819	0.09	0.03	-4.76	
470.50	0.220	244.730	470.50	0.08	-0.29	-0.59	1632419.82	14274839.15	39°18'34.327"N	81°01'41.778"W	0.66	243.672	0.10	-0.05	20.15	
483.50	0.320	290.090	483.50	0.06	-0.28	-0.65	1632419.77	14274839.16	39°18'34.327"N	81°01'41.778"W	0.71	245.829	1.75	0.77	348.92	Parthen EM <12-14>(460)(473-2570)
574.50	0.070	298.280	574.50	-0.14	-0.18	-0.94	1632419.48	14274839.27	39°18'34.328"N	81°01'41.782"W	0.95	269.266	0.28	-0.27	149.98	
663.50	1.200	71.760	663.49	-0.16	0.14	-0.10	1632420.32	14274839.59	39°18'34.331"N	81°01'41.771"W	0.17	324.745	1.40	1.27	149.98	
754.50	3.930	55.520	754.39	-0.98	2.20	3.38	1632423.79	14274641.65	39°18'34.352"N	81°01'41.727"W	4.03	56.872	3.07	3.00	-17.85	
846.50	7.530	46.040	847.91	-4.43	8.31	10.47	1632430.88	14274647.75	39°18'34.412"N	81°01'41.637"W	13.36	51.574	3.95	3.83	-10.06	
936.50	10.080	41.870	934.87	-10.59	18.04	19.76	1632440.17	14274657.48	39°18'34.508"N	81°01'41.519"W	26.76	47.600	2.99	2.90	-4.74	
1031.50	10.440	39.510	1028.35	-19.12	30.88	30.79	1632451.19	14274670.31	39°18'34.635"N	81°01'41.378"W	43.60	44.917	0.58	0.38	-2.48	
1125.50	11.500	36.980	1120.63	-28.79	44.93	41.84	1632462.24	14274684.36	39°18'34.774"N	81°01'41.236"W	61.40	42.960	1.24	1.13	-2.69	
1219.50	12.780	38.720	1212.53	-50.56	60.53	53.98	1632474.38	14274699.95	39°18'34.928"N	81°01'41.083"W	81.10	41.727	1.42	1.36	1.85	
1313.50	14.120	43.100	1303.95	-50.45	77.01	68.32	1632488.71	14274716.43	39°18'35.091"N	81°01'40.901"W	102.95	41.576	1.79	1.43	4.66	
1407.50	14.260	51.400	1395.09	-59.67	92.61	85.20	1632505.59	14274732.02	39°18'35.246"N	81°01'40.686"W	126.84	42.615	2.17	0.16	8.83	
1501.50	13.900	50.880	1486.26	-67.41	106.96	103.01	1632523.39	14274746.36	39°18'35.387"N	81°01'40.480"W	148.50	43.923	0.41	-0.38	-0.55	
1596.50	13.610	49.356	1578.58	-75.37	121.33	120.22	1632556.88	14274760.73	39°18'35.530"N	81°01'40.241"W	170.81	44.736	0.64	-0.52	-1.61	
1690.50	13.370	44.260	1761.39	-93.37	151.42	152.14	1632572.50	14274790.81	39°18'35.827"N	81°01'39.835"W	214.65	45.135	0.63	0.21	-2.96	
1784.50	13.750	43.520	1852.77	-103.39	167.31	167.42	1632587.77	14274820.69	39°18'35.984"N	81°01'39.641"W	236.69	45.019	0.44	0.40	-0.79	
1878.50	14.080	48.460	1944.98	-113.00	183.16	183.84	1632604.18	14274852.53	39°18'36.141"N	81°01'39.432"W	259.51	45.107	1.30	0.35	5.20	
2069.50	13.750	53.010	2038.17	-120.97	197.77	201.70	1632622.03	14274837.14	39°18'36.285"N	81°01'39.205"W	282.48	45.564	1.19	-0.34	4.74	
2164.50	12.510	53.760	2130.68	-127.48	210.64	219.01	1632639.34	14274850.01	39°18'36.413"N	81°01'38.984"W	303.87	46.116	1.32	-1.31	0.79	
2258.50	10.910	42.980	2222.73	-134.85	223.17	233.29	1632653.61	14274862.53	39°18'36.585"N	81°01'38.803"W	322.85	46.270	2.88	-1.70	-11.47	
2353.50	12.230	33.010	2315.81	-145.05	234.19	244.91	1632665.22	14274897.54	39°18'36.838"N	81°01'38.655"W	341.63	45.766	2.52	1.39	-10.49	
2441.50	13.930	37.830	2407.37	-157.34	255.48	257.27	1632677.58	14274894.82	39°18'36.856"N	81°01'38.498"W	362.57	45.200	2.15	1.81	5.13	
2541.50	15.400	46.110	2496.32	-158.76	273.07	273.21	1632683.51	14274912.41	39°18'37.030"N	81°01'38.285"W	386.28	45.014	2.72	1.56	8.81	



Actual Wellpath Report

Every Unit 1H AWP Proj: 14453
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Ritchie County, WV	Well	Every Unit 1H
Field	Ritchie	Wellbore	Every Unit 1H AWB
Facility	Black Forest Pad		

WELLPATH DATA (173 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
ft	°	°	ft	ft	ft	ft	ft	ft			ft	°	ft/100ft	ft/100ft	ft/100ft	
2580.50	15.480	47.350	2535.91	-173.01	280.19	280.77	1632701.07	14274919.52	39°18'37.100"N	81°01'38.199"W	396.65	45.059	0.87	0.21	3.18	
2705.50	14.560	44.290	2656.64	-186.73	302.74	304.01	1632724.30	14274942.06	39°18'37.323"N	81°01'37.904"W	429.03	45.120	0.97	-0.74	-2.49	Parthor EM <8-3/4">(2570)(2695-5622)
2800.50	13.170	40.790	2748.87	-197.51	319.48	319.42	1632739.71	14274958.80	39°18'37.489"N	81°01'37.708"W	451.77	44.995	1.71	-1.46	-3.68	
2894.50	11.640	35.420	2840.68	-208.40	335.32	331.91	1632752.19	14274974.63	39°18'37.645"N	81°01'37.549"W	471.81	44.708	2.04	-1.63	-5.71	
2989.50	12.320	45.600	2933.62	-218.27	350.19	344.73	1632765.01	14274989.50	39°18'37.792"N	81°01'37.205"W	491.40	44.550	2.37	0.72	10.39	
3083.50	11.870	46.150	3025.53	-226.57	363.88	356.89	1632779.17	14275003.18	39°18'37.928"N	81°01'37.205"W	511.08	44.605	0.49	-0.48	0.37	
3177.50	12.470	49.480	3117.42	-234.33	377.17	373.58	1632793.85	14275016.47	39°18'38.059"N	81°01'37.019"W	530.87	44.726	0.98	0.64	3.54	
3276.50	13.800	43.930	3213.83	-243.60	392.62	389.90	1632810.16	14275031.91	39°18'38.212"N	81°01'36.811"W	553.33	44.801	1.85	1.34	-5.61	
3371.50	13.610	48.810	3306.13	-252.95	408.14	406.17	1632826.42	14275047.43	39°18'38.365"N	81°01'36.604"W	575.81	44.861	1.23	-0.20	5.14	
3465.50	12.930	47.800	3397.62	-261.24	422.49	422.29	1632842.53	14275061.77	39°18'38.507"N	81°01'36.398"W	597.35	44.986	0.76	-0.72	-1.07	
3558.50	14.030	44.900	3488.06	-270.27	437.47	437.95	1632858.19	14275076.74	39°18'38.655"N	81°01'36.200"W	619.07	45.032	1.39	1.18	-3.12	
3652.50	12.890	39.990	3579.48	-280.66	453.57	452.73	1632872.97	14275092.84	39°18'38.814"N	81°01'36.012"W	640.86	44.947	1.72	-1.21	-5.22	
3746.50	13.180	48.270	3671.06	-290.18	468.74	467.47	1632887.70	14275108.00	39°18'38.964"N	81°01'35.825"W	662.00	44.922	2.01	0.31	8.51	
3841.50	16.120	47.050	3762.96	-299.69	484.94	485.21	1632905.43	14275124.19	39°18'39.124"N	81°01'35.599"W	686.00	45.016	3.11	3.09	-1.28	
3935.50	14.420	38.290	3853.65	-311.28	503.02	502.02	1632922.23	14275142.26	39°18'39.303"N	81°01'35.365"W	710.67	44.943	3.04	-1.81	-9.32	
4029.50	13.070	48.870	3944.97	-321.59	519.20	517.28	1632937.49	14275158.44	39°18'39.463"N	81°01'35.191"W	732.90	44.894	3.03	-1.44	11.26	
4123.50	11.600	44.740	4036.80	-329.75	532.91	531.94	1632952.14	14275172.14	39°18'39.599"N	81°01'35.005"W	752.96	44.948	1.82	-1.56	-4.39	
4218.50	13.050	46.820	4129.61	-338.34	547.03	546.48	1632966.68	14275186.26	39°18'39.738"N	81°01'34.820"W	773.23	44.971	1.60	1.53	2.19	
4312.50	11.410	40.670	4221.48	-347.36	561.35	560.28	1632980.47	14275200.57	39°18'39.880"N	81°01'34.644"W	793.11	44.946	2.23	-1.74	-6.54	
4406.50	11.410	42.130	4313.62	-356.52	575.29	572.68	1632992.77	14275214.57	39°18'40.018"N	81°01'34.488"W	811.87	44.864	0.31	0.00	1.55	
4501.50	11.540	47.610	4406.73	-364.81	588.67	585.90	1633006.08	14275227.88	39°18'40.150"N	81°01'34.318"W	830.55	44.865	1.16	0.14	5.77	
4594.50	15.010	41.960	4497.23	-374.32	603.90	600.83	1633021.00	14275243.11	39°18'40.301"N	81°01'34.128"W	851.88	44.854	3.98	3.73	-6.08	
4689.50	13.930	35.270	4589.22	-386.94	622.39	615.66	1633035.83	14275258.58	39°18'40.463"N	81°01'33.940"W	875.44	44.689	2.09	-1.14	-7.04	
4783.50	14.010	35.530	4680.44	-400.13	640.89	628.81	1633048.97	14275280.07	39°18'40.666"N	81°01'33.773"W	897.85	44.455	0.11	0.09	0.28	
4877.50	14.730	44.090	4771.51	-412.12	658.74	645.73	1633063.88	14275297.92	39°18'40.843"N	81°01'33.583"W	921.04	44.340	2.37	0.77	9.06	
4972.50	15.500	52.720	4863.23	-421.55	675.11	662.23	1633082.38	14275314.28	39°18'41.005"N	81°01'33.348"W	945.68	44.448	2.51	0.81	9.13	
5066.50	15.220	49.670	4953.88	-429.84	690.90	681.63	1633101.77	14275329.87	39°18'41.159"N	81°01'33.101"W	970.41	44.621	0.91	-0.30	-3.24	
5160.50	14.100	42.810	5044.82	-439.81	707.09	699.82	1633118.55	14275346.25	39°18'41.321"N	81°01'32.882"W	994.14	44.663	2.20	-1.19	-7.30	
5254.50	14.840	47.920	5135.85	-449.97	723.56	715.53	1633135.86	14275362.71	39°18'41.484"N	81°01'32.670"W	1017.67	44.881	1.57	0.79	5.44	
5349.50	14.470	43.590	5227.76	-460.14	740.31	732.75	1633152.87	14275379.46	39°18'41.649"N	81°01'32.451"W	1041.62	44.706	1.22	-0.39	-4.56	



Actual Wellpath Report

Every Unit 1H AWP Proj: 14453
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #01
Operator	ANTERO RESOURCES CORPORATION	Well	Every Unit 1H
Area	Ritchie County, WV	Wellbore	Every Unit 1H AWP
Field	Ritchie		
Facility	Black Forest Pad		

WELLPATH DATA (173 stations) † = Interpolated/Extrapolated station																
MD	Inclination	Asimuth	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	
5443.50	13.220	49.780	5319.03	-489.38	755.76	749.05	1633169.17	142765394.90	39°18'41.802"N	81°01'32.243"W	1064.07	44.745	2.06	-1.33	6.53	
5538.50	12.500	45.190	5411.65	-477.76	770.02	764.64	1633184.75	14275409.15	39°18'41.943"N	81°01'32.045"W	1085.17	44.799	1.32	-0.76	-4.83	
5632.50	11.780	51.370	5503.55	-485.39	783.18	779.36	1633199.47	14275422.31	39°18'42.073"N	81°01'31.858"W	1104.89	44.880	1.57	-0.76	6.57	
5678.00	13.070	67.270	5547.99	-487.27	788.07	787.74	1633207.84	14275427.20	39°18'42.121"N	81°01'31.751"W	1114.27	44.988	8.00	2.81	34.95	BH AT Curve <8-1/2"> (5632.5)(5678-14429)
5739.00	14.040	83.560	5607.32	-488.09	791.57	801.46	1633221.56	14275430.70	39°18'42.156"N	81°01'31.577"W	1128.46	45.356	6.43	1.58	26.70	
5786.00	13.890	86.700	5652.94	-482.39	797.55	812.73	1633232.82	14275430.68	39°18'42.156"N	81°01'31.433"W	1134.50	45.756	6.74	-0.32	27.96	
5834.00	15.000	109.050	5699.43	-476.05	788.85	824.33	1633244.41	14275427.98	39°18'42.129"N	81°01'31.286"W	1140.97	46.260	6.81	2.31	25.73	
5881.00	17.040	118.760	5744.61	-467.19	783.55	836.12	1633256.20	14275422.68	39°18'42.077"N	81°01'31.136"W	1145.88	46.859	7.15	4.34	20.66	
5929.00	19.880	125.590	5790.17	-455.38	775.46	848.86	1633268.93	14275414.59	39°18'41.987"N	81°01'30.973"W	1149.74	47.587	7.09	5.50	14.23	
5976.00	22.770	132.890	5833.98	-440.88	764.65	861.96	1633282.03	14275403.79	39°18'41.890"N	81°01'30.807"W	1152.25	48.423	8.66	6.57	15.62	
6025.00	26.030	139.090	5878.61	-422.52	750.06	875.95	1633296.01	14275389.21	39°18'41.746"N	81°01'30.629"W	1153.21	49.427	8.43	6.65	12.57	
6072.00	29.460	145.290	5920.21	-401.81	732.76	889.29	1633309.35	14275371.91	39°18'41.575"N	81°01'30.459"W	1152.29	50.512	9.53	7.30	13.18	
6120.00	33.220	149.050	5961.20	-377.56	711.77	902.78	1633322.83	14275350.93	39°18'41.368"N	81°01'30.287"W	1149.62	51.747	8.83	7.83	7.83	
6167.00	37.830	151.650	5999.44	-350.72	688.03	916.26	1633336.30	14275327.20	39°18'41.133"N	81°01'30.116"W	1145.82	53.097	10.32	9.81	5.53	
6215.00	41.980	153.880	6038.26	-320.25	660.65	930.32	1633350.37	14275299.83	39°18'40.862"N	81°01'29.937"W	1141.04	54.620	9.14	8.65	4.60	
6262.00	46.530	156.230	6089.92	-287.63	630.92	944.13	1633364.17	14275270.11	39°18'40.569"N	81°01'29.761"W	1135.54	56.247	10.30	9.68	5.04	
6310.00	50.490	157.970	6101.71	-251.76	597.80	956.10	1633378.13	14275237.00	39°18'40.241"N	81°01'29.583"W	1129.30	58.038	8.68	8.25	3.62	
6348.001	53.662	159.002	6123.84	-223.40	571.38	968.51	1633388.54	14275210.80	39°18'39.980"N	81°01'29.451"W	1124.50	59.461	9.07	8.78	2.87	Middlesex: 6348' MD
6397.00	54.620	159.300	6130.28	-214.49	563.05	971.68	1633391.71	14275202.27	39°18'39.898"N	81°01'29.410"W	1123.03	59.909	9.07	8.80	2.71	
6445.00	58.460	160.200	6156.74	-174.46	525.49	985.53	1633405.55	14275164.72	39°18'39.527"N	81°01'29.234"W	1116.88	61.933	8.15	8.06	1.87	
6492.00	62.260	161.160	6179.98	-133.62	486.94	999.04	1633419.05	14275126.19	39°18'39.146"N	81°01'29.062"W	1111.39	64.015	8.28	8.09	2.04	
6500.00	66.120	162.000	6200.88	-90.42	445.95	1012.69	1633432.70	14275085.22	39°18'38.741"N	81°01'28.888"W	1106.53	66.293	8.19	8.04	1.75	
6554.00	69.860	163.010	6218.49	-46.87	404.40	1025.78	1633445.78	14275043.68	39°18'38.330"N	81°01'28.721"W	1102.62	68.484	8.20	7.96	2.15	
6594.001	70.221	163.175	6220.88	-40.29	398.10	1027.69	1633447.69	14275037.39	39°18'38.288"N	81°01'28.697"W	1102.11	68.825	8.20	5.16	2.38	Burkett: 6554' MD
6596.00	72.340	164.130	6234.04	-1.51	360.84	1038.62	1633458.62	14275000.75	39°18'37.899"N	81°01'28.558"W	1099.52	70.841	5.62	5.17	2.33	
6620.001	73.191	164.285	6241.44	22.33	337.87	1045.12	1633465.11	14274977.18	39°18'37.672"N	81°01'28.475"W	1098.37	72.085	3.46	3.40	0.62	Marcellus POE: 6620' MD
6842.00	73.940	164.420	6247.67	43.39	317.55	1050.81	1633470.80	14274956.87	39°18'37.412"N	81°01'28.403"W	1097.74	73.185	3.46	3.40	0.61	
6860.00	75.640	165.080	6260.26	89.61	277.86	1062.99	1633482.98	14274912.20	39°18'37.030"N	81°01'28.247"W	1097.45	75.603	3.78	3.54	1.37	
6737.00	78.380	163.350	6270.82	135.32	226.80	1075.45	1633495.43	14274868.16	39°18'36.594"N	81°01'28.089"W	1099.52	77.989	6.84	5.83	-3.88	
6765.00	81.970	162.080	6279.01	182.59	183.65	1089.50	1633509.48	14274823.02	39°18'36.148"N	81°01'27.910"W	1104.87	80.432	7.92	7.48	-2.65	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION									
Operator	ANTERO RESOURCES CORPORATION								
Area	Ritchie County, WV								
Field	Ritchie								
Facility	Black Forest Pad								
	Slot	Slot #01							
	Well	Every Unit 1H							
	Wellbore	Every Unit 1H AWB							

WELLPATH DATA (173 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
ft	°	°	ft	ft	ft	ft	US ft	US ft	°	°	ft	°	ft/100ft	°/100ft	°/100ft	
6632.00	86.740	161.960	6283.64	229.33	139.17	1103.94	1633523.91	14274778.57	39°18'35.709"N	81°01'27.728"W	1112.68	82.815	10.15	10.15	-0.26	
6881.00	90.180	162.220	6284.95	278.30	92.57	1119.00	1633538.96	14274731.98	39°18'35.248"N	81°01'27.534"W	1122.82	85.271	7.04	7.02	0.53	
6876.00	89.910	161.050	6284.88	373.29	2.41	1148.93	1633568.88	14274641.86	39°18'34.357"N	81°01'27.153"W	1148.93	89.880	1.26	-0.28	-1.23	
7071.00	89.850	159.810	6285.08	468.28	-87.10	1180.75	1633600.69	14274552.39	39°18'33.473"N	81°01'26.748"W	1183.96	94.219	1.31	-0.05	-1.31	
7168.00	89.850	158.820	6285.32	563.25	-175.97	1214.31	1633634.23	14274463.55	39°18'32.594"N	81°01'26.321"W	1226.99	98.246	1.04	0.00	-1.04	
7281.00	89.550	157.840	6285.57	658.15	-264.26	1249.39	1633669.30	14274375.30	39°18'31.722"N	81°01'25.874"W	1277.03	101.943	1.03	0.00	-1.03	
7356.00	89.880	156.720	6285.80	752.95	-351.88	1286.08	1633705.97	14274287.71	39°18'30.856"N	81°01'25.407"W	1333.35	105.302	1.18	0.03	-1.18	
7451.00	89.820	156.370	6286.05	847.68	-439.03	1323.89	1633743.77	14274200.59	39°18'29.994"N	81°01'24.928"W	1394.79	108.347	0.37	-0.06	-0.37	
7546.00	89.750	156.160	6286.40	942.36	-526.00	1362.13	1633781.99	14274113.66	39°18'29.135"N	81°01'24.438"W	1460.16	111.114	0.23	-0.07	-0.22	
7641.00	89.680	155.190	6286.71	1036.96	-612.56	1401.26	1633821.11	14274027.13	39°18'28.280"N	81°01'23.941"W	1529.30	113.613	1.03	0.14	-1.02	
7736.00	89.530	155.830	6287.12	1131.54	-699.01	1440.64	1633860.47	14273940.71	39°18'27.425"N	81°01'23.440"W	1601.27	115.883	0.72	-0.26	0.67	
7831.00	89.230	157.530	6288.06	1226.27	-786.24	1478.24	1633898.06	14273853.52	39°18'26.563"N	81°01'22.961"W	1674.33	118.008	1.84	-0.42	1.79	
7926.00	90.650	160.710	6288.16	1321.21	-874.99	1512.10	1633931.90	14273764.81	39°18'25.686"N	81°01'22.530"W	1747.01	120.056	3.67	1.48	3.35	
8020.00	90.280	158.320	6287.40	1415.17	-963.04	1544.99	1633964.78	14273676.80	39°18'24.816"N	81°01'22.111"W	1820.56	121.937	2.57	-0.39	-2.54	
8115.00	91.660	155.840	6285.79	1509.93	-1050.52	1581.93	1634001.76	14273589.35	39°18'23.951"N	81°01'21.641"W	1889.01	123.586	2.99	1.45	-2.61	
8210.00	89.480	154.760	6284.84	1604.47	-1136.81	1621.67	1634041.43	14273503.09	39°18'23.099"N	81°01'21.135"W	1960.44	125.031	2.56	-2.29	-1.14	
8305.00	88.680	153.390	6286.37	1699.16	-1223.96	1659.42	1634079.17	14273415.98	39°18'22.237"N	81°01'20.655"W	2061.98	126.412	3.91	-0.84	3.82	
8400.00	90.400	163.320	6287.13	1794.13	-1313.67	1690.57	1634110.30	14273326.30	39°18'21.351"N	81°01'20.258"W	2140.97	127.849	5.50	1.81	5.19	
8494.00	90.680	162.970	6286.25	1888.05	-1403.63	1717.82	1634137.55	14273236.38	39°18'20.462"N	81°01'19.911"W	2218.35	129.252	0.48	-0.30	-0.37	
8588.00	90.220	160.600	6285.80	1983.03	-1483.86	1747.52	1634167.23	14273146.19	39°18'19.570"N	81°01'19.533"W	2289.00	130.626	2.54	-0.48	-2.49	
8684.00	89.080	161.070	6286.08	2078.03	-1563.59	1778.70	1634198.40	14273056.49	39°18'18.683"N	81°01'19.136"W	2361.50	131.679	1.30	-1.20	0.49	
8779.00	88.090	163.630	6288.43	2172.96	-1674.08	1807.49	1634227.18	14272966.04	39°18'17.789"N	81°01'18.770"W	2463.65	132.806	2.89	-1.04	2.69	
8873.00	91.790	170.870	6288.53	2266.31	-1765.69	1828.22	1634257.90	14272874.47	39°18'16.884"N	81°01'18.506"W	2541.66	134.003	8.65	3.94	7.70	
8968.00	90.890	168.290	6286.30	2360.19	-1859.08	1845.40	1634285.07	14272781.11	39°18'15.960"N	81°01'18.287"W	2619.48	135.212	2.88	-0.95	-2.72	
9063.00	90.090	164.350	6285.49	2454.75	-1951.37	1867.86	1634312.58	14272682.86	39°18'15.048"N	81°01'18.001"W	2701.25	136.283	4.23	-0.84	-4.13	
9158.00	89.750	165.060	6285.62	2549.54	-2043.00	1892.92	1634341.25	14272587.27	39°18'14.143"N	81°01'17.682"W	2785.14	137.184	0.83	-0.36	0.75	
9253.00	89.480	167.740	6286.26	2644.09	-2135.33	1915.26	1634369.55	14272504.98	39°18'13.230"N	81°01'17.397"W	2868.42	138.110	2.84	-0.28	2.82	
9347.00	89.880	170.610	6286.86	2737.11	-2227.64	1932.91	1634392.55	14272412.70	39°18'12.318"N	81°01'17.173"W	2949.33	139.052	3.08	-0.43	3.05	
9442.00	89.970	169.100	6286.91	2830.95	-2321.16	1949.64	1634399.27	14272319.22	39°18'11.394"N	81°01'16.959"W	3031.31	139.972	1.59	0.09	-1.59	
9537.00	90.000	167.040	6286.94	2925.21	-2414.10	1969.28	1634388.90	14272228.32	39°18'10.475"N	81°01'16.709"W	3115.43	140.744	2.17	0.03	-2.17	



Actual Wellpath Report

Every Unit 1H AWP Proj: 14453'
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REFERENCE WELLPATH IDENTIFICATION									
Operator	ANTERO RESOURCES CORPORATION								
Area	Ritchie County, WV								
Field	Ritchie								
Facility	Black Forest Pad								
	Well	Wellbore	Slot	Slot #01	Every Unit 1H	Every Unit 1H	Every Unit 1H AWP		

WELLPATH DATA (173 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Built Rate	Turn Rate	Comments
ft	°	°	ft	ft	ft	ft	ft	ft			ft	°	ft/100ft	ft/100ft	ft/100ft	
9632.00	90.650	163.860	6286.40	3019.90	-2506.04	1993.14	1634412.76	14272134.42	39°18'09.566"N	81°01'16.406"W	3202.01	141.504	3.42	0.68	-3.35	
9727.00	90.920	160.160	6285.10	3114.96	-2996.37	2022.47	1634442.08	14272044.12	39°18'08.674"N	81°01'16.032"W	3291.13	142.083	3.90	0.28	-3.89	
9822.00	90.000	156.890	6284.33	3209.76	-2684.76	2057.25	1634476.84	14271955.77	39°18'07.800"N	81°01'15.590"W	3382.34	142.538	3.58	-0.97	-3.44	
9917.00	89.940	157.180	6284.38	3304.54	-2772.23	2094.31	1634513.89	14271868.33	39°18'06.936"N	81°01'15.118"W	3474.39	142.930	0.31	-0.06	0.31	
10012.00	89.850	159.540	6284.66	3399.44	-2860.63	2129.34	1634548.90	14271780.07	39°18'06.069"N	81°01'14.672"W	3566.05	143.336	2.49	-0.05	2.48	
10108.00	89.910	159.690	6284.76	3495.41	-2950.51	2162.78	1634582.33	14271690.12	39°18'05.174"N	81°01'14.246"W	3658.30	143.758	0.17	0.06	0.16	
10203.00	89.880	158.220	6284.93	3590.35	-3039.18	2196.90	1634616.43	14271601.49	39°18'04.298"N	81°01'13.812"W	3750.06	144.138	1.55	-0.03	-1.55	
10298.00	89.910	156.870	6285.11	3685.18	-3126.97	2233.18	1634652.70	14271513.73	39°18'03.430"N	81°01'13.360"W	3842.53	144.467	1.42	0.03	-1.42	
10393.00	89.910	156.950	6285.25	3779.95	-3214.36	2270.44	1634689.94	14271428.38	39°18'02.566"N	81°01'12.876"W	3936.35	144.765	0.08	0.00	0.08	
10488.00	89.970	157.860	6285.35	3874.77	-3302.07	2306.94	1634726.43	14271338.71	39°18'01.698"N	81°01'12.412"W	4028.10	145.061	0.86	0.06	0.81	
10583.00	89.880	158.630	6285.48	3969.57	-3390.30	2342.15	1634761.62	14271250.51	39°18'00.827"N	81°01'11.963"W	4120.65	145.362	0.82	-0.09	0.81	
10678.00	89.940	160.360	6285.63	4064.63	-3479.28	2375.41	1634794.67	14271161.56	39°17'59.948"N	81°01'11.540"W	4212.84	145.677	1.84	0.06	1.84	
10773.00	90.000	161.020	6285.68	4159.63	-3568.94	2406.81	1634826.26	14271071.94	39°17'59.062"N	81°01'11.140"W	4304.66	146.005	0.68	0.06	0.67	
10868.00	89.910	161.700	6285.75	4254.63	-3658.80	2437.64	1634857.08	14270982.12	39°17'58.174"N	81°01'10.748"W	4396.47	146.327	0.13	-0.09	0.08	
10964.00	89.910	160.720	6285.90	4350.63	-3749.52	2469.64	1634888.46	14270891.43	39°17'57.277"N	81°01'10.348"W	4489.44	146.635	0.40	0.00	-0.40	
11059.00	89.720	159.810	6286.21	4445.63	-3838.94	2501.12	1634920.63	14270802.05	39°17'56.394"N	81°01'09.940"W	4581.82	146.915	0.98	-0.20	-0.96	
11154.00	89.680	160.310	6286.70	4540.61	-3928.24	2533.62	1634952.91	14270712.78	39°17'55.511"N	81°01'09.528"W	4674.38	147.180	0.53	-0.03	0.53	
11249.00	89.680	160.940	6287.24	4635.61	-4017.86	2565.03	1634984.42	14270623.20	39°17'54.625"N	81°01'09.127"W	4766.82	147.446	0.66	-0.03	0.66	
11344.00	89.660	161.560	6287.80	4730.61	-4107.82	2596.67	1635014.94	14270533.28	39°17'53.736"N	81°01'08.738"W	4859.13	147.713	0.65	0.00	0.65	
11439.00	89.720	162.280	6288.32	4825.59	-4198.12	2625.05	1635044.41	14270443.01	39°17'52.844"N	81°01'08.363"W	4951.28	147.983	0.76	0.06	0.76	
11534.00	89.660	162.910	6288.83	4920.55	-4288.77	2653.47	1635072.81	14270352.40	39°17'51.948"N	81°01'08.001"W	5043.26	148.255	0.67	-0.06	0.66	
11630.00	89.630	162.730	6289.42	5016.49	-4380.49	2681.82	1635101.16	14270260.72	39°17'51.041"N	81°01'07.640"W	5136.23	148.524	0.19	-0.03	-0.19	
11725.00	89.720	162.900	6289.96	5111.44	-4471.24	2709.89	1635129.22	14270170.00	39°17'50.145"N	81°01'07.283"W	5228.34	148.781	0.20	0.09	0.18	
11820.00	89.690	164.460	6290.45	5206.32	-4562.41	2736.56	1635155.90	14270078.67	39°17'49.243"N	81°01'06.943"W	5320.20	149.044	1.64	-0.03	1.64	
11915.00	89.630	163.950	6291.02	5301.17	-4653.82	2762.44	1635181.75	14269987.49	39°17'48.340"N	81°01'06.614"W	5411.95	149.307	0.54	-0.06	-0.54	
12010.00	89.720	162.240	6291.56	5396.09	-4744.71	2790.06	1635209.38	14269896.64	39°17'47.442"N	81°01'06.262"W	5504.25	149.543	1.80	0.09	-1.80	
12105.00	89.630	162.470	6292.02	5491.06	-4835.24	2817.86	1635236.14	14269806.15	39°17'46.547"N	81°01'05.886"W	5596.92	149.769	0.26	-0.09	0.24	
12200.00	89.750	163.100	6292.61	5587.01	-4926.94	2847.27	1635263.64	14269714.49	39°17'45.641"N	81°01'05.534"W	5690.49	149.976	0.67	0.13	0.66	
12296.00	89.720	163.660	6293.05	5681.92	-5017.97	2874.44	1635293.70	14269623.49	39°17'44.741"N	81°01'05.188"W	5782.94	150.195	0.59	-0.03	0.59	
12391.00	89.630	163.560	6293.59	5776.81	-5109.11	2901.25	1635320.50	14269532.39	39°17'43.840"N	81°01'04.847"W	5875.38	150.410	0.14	-0.08	-0.11	



Actual Wellpath Report

Every Unit 1H AWP Proj: 14453
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #01
Operator	ANTERO RESOURCES CORPORATION	Well	Every Unit 1H
Area	Ritchie County, WV	Wellbore	Every Unit 1H AWP
Field	Ritchie		
Facility	Black Forest Pad		

WELLPATH DATA (173 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DL5	Build Rate	Turn Rate	Comments
ft	°	°	ft	ft	ft	ft	US ft	US ft	°	°	ft	°	ft/100ft	ft/100ft	°/100ft	
12486.00	89.750	162.200	6294.11	5871.75	-5199.90	2929.21	1635348.45	14269441.64	39°17'42.943"N	81°01'04.491"W	5968.18	150.606	1.44	0.13	-1.43	
12581.00	89.780	159.700	6294.50	5966.75	-5289.68	2990.22	1635379.44	14269351.89	39°17'42.056"N	81°01'04.097"W	6061.65	150.768	2.63	0.03	-2.63	
12676.00	89.660	158.060	6294.96	6061.68	-5378.30	2994.45	1635413.66	14269263.31	39°17'41.180"N	81°01'03.661"W	6155.71	150.892	1.73	-0.13	-1.73	
12771.00	89.630	156.870	6295.59	6156.51	-5466.04	3030.85	1635450.05	14269175.60	39°17'40.313"N	81°01'03.198"W	6250.10	150.992	1.25	-0.03	-1.25	
12867.00	89.630	156.730	6296.17	6252.26	-5554.28	3068.67	1635487.85	14269087.40	39°17'39.444"N	81°01'02.716"W	6345.61	151.080	0.15	0.00	-0.15	
12962.00	89.690	157.510	6296.73	6347.04	-5641.80	3105.61	1635524.77	14268999.91	39°17'38.576"N	81°01'02.246"W	6440.09	151.169	0.82	0.06	0.82	
13057.00	89.720	158.080	6297.22	6441.90	-5729.75	3141.51	1635560.66	14268912.00	39°17'37.707"N	81°01'01.790"W	6534.46	151.265	0.60	0.03	0.60	
13152.00	89.690	157.660	6297.71	6536.76	-5817.75	3177.30	1635596.43	14268824.03	39°17'36.837"N	81°01'01.334"W	6628.84	151.359	0.44	-0.03	-0.44	
13248.00	89.720	157.350	6298.20	6632.59	-5906.45	3214.03	1635633.15	14268735.37	39°17'35.960"N	81°01'00.867"W	6724.29	151.447	0.32	0.03	-0.32	
13343.00	89.660	157.060	6298.72	6727.39	-5994.03	3250.82	1635669.93	14268647.82	39°17'35.085"N	81°01'00.399"W	6818.82	151.527	0.29	-0.06	-0.28	
13438.00	89.660	157.970	6299.28	6822.22	-6081.82	3287.13	1635706.23	14268560.08	39°17'34.227"N	81°00'59.937"W	6913.30	151.609	0.94	0.00	0.94	
13533.00	89.660	158.320	6299.85	6917.11	-6169.89	3322.50	1635741.58	14268471.94	39°17'33.356"N	81°00'59.487"W	7007.69	151.698	0.37	0.00	0.37	
13628.00	89.630	158.690	6300.43	7012.05	-6258.68	3356.53	1635775.60	14268383.29	39°17'32.479"N	81°00'59.033"W	7101.92	151.785	1.44	-0.03	1.44	
13723.00	89.480	158.770	6301.17	7107.01	-6347.50	3390.22	1635809.27	14268294.50	39°17'31.601"N	81°00'58.625"W	7196.13	151.893	0.98	-0.16	-0.97	
13818.00	89.350	161.230	6302.14	7201.98	-6436.76	3427.71	1635841.75	14268205.28	39°17'30.719"N	81°00'58.211"W	7290.18	151.988	2.59	-0.14	2.59	
13913.00	88.980	163.840	6303.53	7296.93	-6527.36	3451.21	1635870.24	14268114.71	39°17'29.824"N	81°00'57.849"W	7383.58	152.133	2.77	-0.39	2.75	
14008.00	89.570	168.380	6304.73	7391.50	-6618.55	3474.01	1635893.03	14268022.56	39°17'28.913"N	81°00'57.558"W	7475.77	152.309	4.82	0.62	4.78	
14102.00	89.660	172.560	6305.36	7484.18	-6712.23	3489.57	1635908.58	14267928.91	39°17'27.997"N	81°00'57.360"W	7565.13	152.531	4.45	0.10	4.45	
14197.00	90.740	172.800	6305.03	7577.18	-6806.45	3501.67	1635920.88	14267835.73	39°17'27.065"N	81°00'57.206"W	7654.38	152.776	1.16	1.14	0.25	
14292.00	92.860	168.670	6302.08	7670.58	-6900.78	3516.14	1635936.14	14267741.94	39°17'26.138"N	81°00'57.022"W	7744.49	152.988	3.98	2.23	-3.29	
14387.00	91.880	164.430	6298.11	7764.93	-6992.75	3537.40	1635956.40	14267648.51	39°17'25.224"N	81°00'56.751"W	7836.57	153.167	5.61	-1.03	-5.52	
14429.00	89.940	162.450	6297.45	7806.88	-7033.00	3549.37	1635968.36	14267508.27	39°17'24.826"N	81°00'56.589"W	7877.89	153.221	6.60	-4.62	-4.71	
14453.00	89.940	162.450	6297.47	7830.87	-7055.86	3556.61	1635975.59	14267586.40	39°17'24.600"N	81°00'56.507"W	7901.58	153.249	0.00	0.00	0.00	Projected MD at TD: 14453'



Actual Wellpath Report

Every Unit 1H AWP Proj: 14453'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Ritchie County, WV	Well	Every Unit 1H
Field	Ritchie	Wellbore	Every Unit 1H AWB
Facility	Black Forest Pad		

HOLE & CASING SECTIONS - Ref Wellbore: Every Unit 1H AWB Ref Wellpath: Every Unit 1H AWP Proj: 14453'										
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)	Shape
20in Conductor	25.50	105.50	80.00	25.50	105.50	0.00	0.00	0.06	0.00	point
17.5in Open Hole	105.50	458.50	353.00	105.50	458.50	0.08	0.00	-0.27	-0.55	point
13.375in Casing Surface	25.50	458.50	433.00	25.50	458.50	0.00	0.00	-0.27	-0.55	point
12.25in Open Hole	458.50	2647.50	2189.00	458.50	2800.56	-0.27	-0.55	292.29	293.55	point
9.625in Casing Intermediate	25.50	2647.50	2622.00	25.50	2800.56	0.00	0.00	292.29	293.55	point
8.75in Open Hole	2647.50	5695.00	3047.50	2800.56	5564.55	292.29	293.55	789.42	791.37	point
8.5in Open Hole	5695.00	14453.00	8758.00	5564.55	6297.47	789.42	791.37	-7055.88	3556.61	point
5.5in Casing Production	25.50	14453.00	14427.50	25.50	6297.47	0.00	0.00	-7055.88	3556.61	point

TARGETS										
Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape		
Every Unit 1H - POE - Rev-2	6219.00	385.45	1028.37	1633448.37	14275024.74	39°18'38.143"N	81°01'28.688"W	point		
Every Unit 1H - BHL - Rev-2	6264.00	-7052.28	3601.03	1636020.00	14267590.00	39°17'24.636"N	81°00'55.942"W	point		
Every Unit 1H - LP - Rev-2	6264.00	146.40	1111.06	1633531.02	14274785.79	39°18'35.780"N	81°01'27.636"W	point		



Actual Wellpath Report

Everyly Unit 1H AWP Proj: 14453'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Ritchie County, WV	Well	Everyly Unit 1H
Field	Ritchie	Wellbore	Everyly Unit 1H AWB
Facility	Black Forest Pad		

WELLPATH COMPOSITION - Ref Wellbore: Everyly Unit 1H AWB Ref Wellpath: Everyly Unit 1H AWP Proj: 14453'			
Start MD ft/l	End MD ft/l	Positional Uncertainty Model	Log Name/Comment
25.50	470.50	Gyrodatta standard - Drop gyro or Multi-shot	01 Gyrodatta MS Gyro <17-172">(100-480')
470.50	2580.50	ISCWMSA MWD, Rev. 4 (Standard)	02 Panther EM <12-1/4">(480'X473'-2570')
2580.50	5632.50	ISCWMSA MWD, Rev. 4 (Standard)	03 Panther EM <8-3/4">(2570'X2695'-5622')
5632.50	14429.00	BH AutoTrak Curve (Short)	04 BH AT Curve <8-1/2">(5632.5')(5678'-14429')
14429.00	14453.00	Blind Drilling (std)	Protection to bit

Wellbore



Actual Wellpath Report

Every Unit 1H AWP Proji: 14453'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Ritchie County, WV	Well	Every Unit 1H
Field	Ritchie	Wellbore	Every Unit 1H AWB
Facility	Black Forest Pad		

COMMENTS
Wellpath general comments API: 47-085-10378-0000 BHI Job #: 109718180 Rig: H&P 317 Duration: 03/20/2019-03/23/2019 Gyrodata MS Gyro <17-1/2">(100'-460') Panther EM <12-1/4">(460')(473'-2570') Panther EM <8-3/4">(2570')(2695'-5622') BH AT Curve <8-1/2"> (5632.5')(5678'-14429') Middlesex: 6346' MD Burkett: 6554' MD Marcellus POE: 6620' MD Projected MD at TD: 14453'