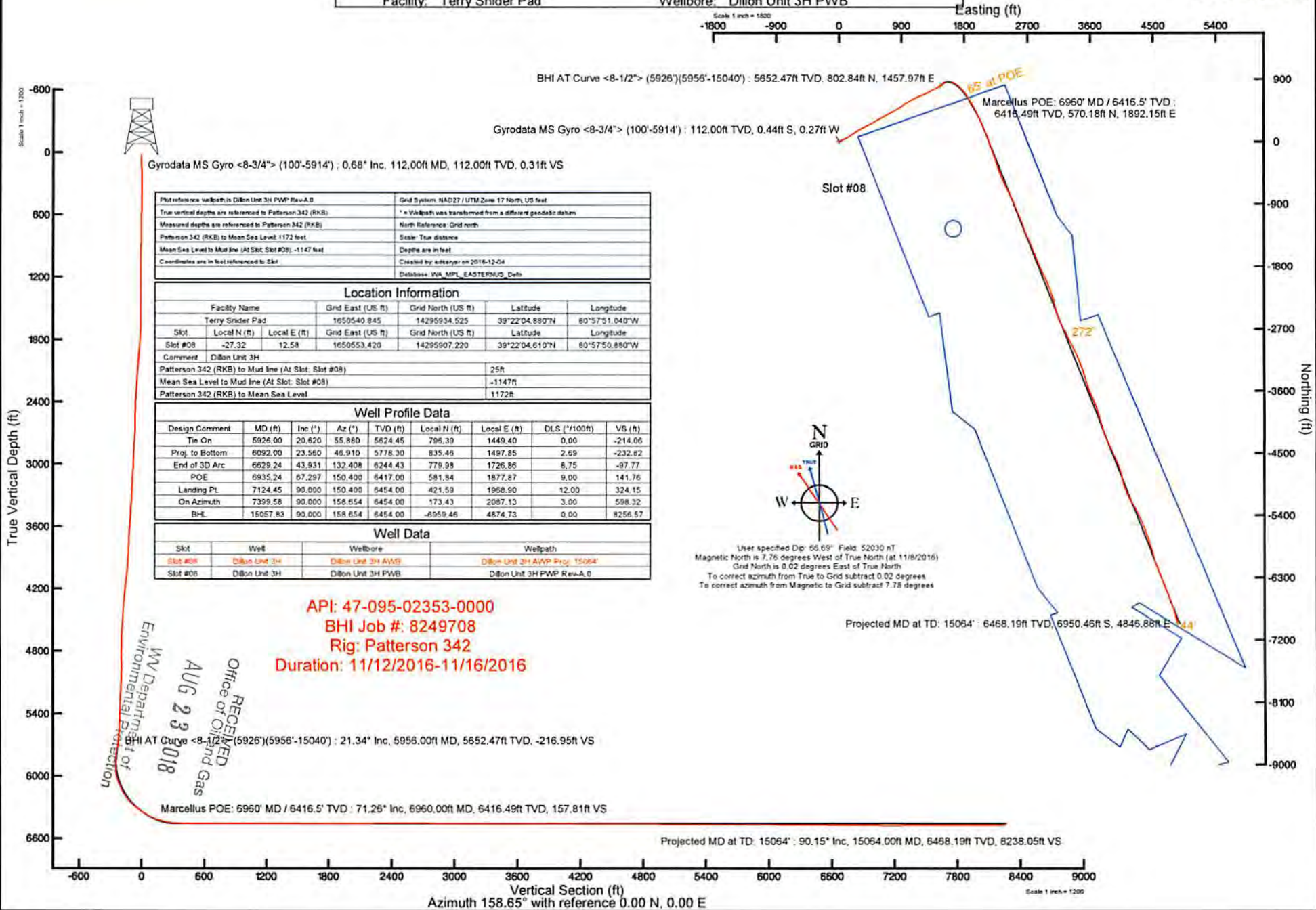




ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
 Field: Tyler
 Facility: Terry Snider Pad

Slot: Slot #08
 Well: Dillon Unit 3H
 Wellbore: Dillon Unit 3H PWB



Plot reference wellbore is Dillon Unit 3H PWB Rev-A.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to Patterson 342 (RKB)	* Wellbore was transformed from a different geoid datum
Measured depths are referenced to Patterson 342 (RKB)	North Reference: Grid north
Patterson 342 (RKB) to Mean Sea Level: 1172 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Slot #08): -1147 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: edstaylor on 2016-12-04
	Database: WA_MPL_EASTERNUS_Data

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Terry Snider Pad	1650540.845	14295934.525	39°22'04.880"N	80°57'51.040"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #08	-27.32	12.58	1650553.420	14295907.220
Comment: Dillon Unit 3H				
Patterson 342 (RKB) to Mud line (At Slot: Slot #08)				25ft
Mean Sea Level to Mud line (At Slot: Slot #08)				-1147ft
Patterson 342 (RKB) to Mean Sea Level				1172ft

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	5926.00	20.620	55.880	5624.45	796.39	1449.40	0.00
Proj. to Bottom	8092.00	23.560	46.910	5778.30	835.46	1497.85	-232.82
End of 3D Arc	6629.24	43.931	132.408	6244.43	779.98	1726.86	-87.77
POE	6935.24	67.297	150.400	6417.00	581.84	1877.87	9.00
Landing Pt.	7124.45	90.000	150.400	6454.00	421.59	1968.90	12.00
On Azimuth	7399.58	90.000	158.654	6454.00	173.43	2087.13	3.00
BHL	15057.83	90.000	158.654	6454.00	-6959.46	4874.73	0.00

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #08	Dillon Unit 3H	Dillon Unit 3H AWP	Dillon Unit 3H AWP Proj. 15064'
Slot #08	Dillon Unit 3H	Dillon Unit 3H PWB	Dillon Unit 3H PWB Rev-A.0

API: 47-095-02353-0000
BHI Job #: 8249708
Rig: Patterson 342
Duration: 11/12/2016-11/16/2016

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BHI AT Curve $\langle 8-1/2^\circ \rangle (5926^\circ/15040^\circ)$: 21.34' Inc, 5956.00ft MD, 5652.47ft TVD, -216.95ft VS

Marcellus POE: 6960' MD / 6416.5' TVD : 71.26' Inc, 6960.00ft MD, 6416.49ft TVD, 157.81ft VS

Projected MD at TD: 15064' : 90.15' Inc, 15064.00ft MD, 6468.19ft TVD, 8238.05ft VS

Vertical Section (ft)
 Azimuth 158.65° with reference 0.00 N, 0.00 E

Scale 1 inch = 1200



Actual Wellpath Report

Dillon Unit 3H AWP Proj: 15064'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #08
Area	Tyler County, WV	Well	Dillon Unit 3H
Field	Tyler	Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Edsaryar
Scale	0.999600	Report Generated	12/4/2016 at 2:01:38 PM
Convergence at slot	0.03° East	Database/Source file	WA_MPL_EASTERNUS_Defn/Dillon_Unit_3H_AWP_Proj_15064_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-27.32	12.58	1650553.42	14295907.22	39°22'04.610"N	80°57'50.880"W
Facility Reference Pt			1650540.85	14295934.53	39°22'04.880"N	80°57'51.040"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Patterson 342 (RKB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Patterson 342 (RKB) to Mean Sea Level	1172.00ft
Vertical Reference Pt	Patterson 342 (RKB)	Patterson 342 (RKB) to Mud Line at Slot (Slot #08)	25.00ft
MD Reference Pt	Patterson 342 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	158.65°

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Dillon Unit 3H AWP Proj: 15064'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Slot	Slot #08
Area	Tyler County, WV		Well	Dillon Unit 3H
Field	Tyler		Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad			

WELLPATH DATA (177 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)	
0.00	0.00	211.560	0.00	0.00	0.00	0.00	1650553.42	14295907.22	39°22'04.610"N	80°57'50.880"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	211.560	25.00	0.00	0.00	0.00	1650553.42	14295907.22	39°22'04.610"N	80°57'50.880"W	0.00	0.000	0.00	0.00	0.00	
112.00	0.680	211.560	112.00	0.31	-0.44	-0.27	1650553.15	14295906.78	39°22'04.606"N	80°57'50.883"W	0.52	211.560	0.78	0.78	-170.62	Gyrodata MS Gyro <8-3/4"> (100'-5914')
212.00	0.440	227.870	211.99	0.81	-1.20	-0.87	1650552.55	14295906.02	39°22'04.598"N	80°57'50.891"W	1.48	215.732	0.29	-0.24	16.31	
312.00	0.210	229.850	311.99	1.00	-1.58	-1.29	1650552.13	14295905.64	39°22'04.594"N	80°57'50.896"W	2.04	219.259	0.23	-0.23	1.98	
412.00	0.030	44.980	411.99	1.05	-1.68	-1.41	1650552.01	14295905.54	39°22'04.593"N	80°57'50.898"W	2.19	220.071	0.24	-0.18	175.13	
512.00	0.340	24.490	511.99	0.83	-1.39	-1.27	1650552.15	14295905.83	39°22'04.596"N	80°57'50.896"W	1.88	222.428	0.31	0.31	-20.49	
612.00	0.590	20.080	611.99	0.24	-0.64	-0.97	1650552.45	14295906.58	39°22'04.604"N	80°57'50.892"W	1.16	236.751	0.25	0.25	-4.41	
712.00	1.240	28.360	711.97	-0.85	0.80	-0.28	1650553.14	14295908.02	39°22'04.618"N	80°57'50.884"W	0.85	340.699	0.66	0.65	8.28	
812.00	1.880	43.300	811.94	-2.25	2.95	1.36	1650554.78	14295910.16	39°22'04.639"N	80°57'50.863"W	3.24	24.769	0.75	0.64	14.94	
912.00	2.930	64.510	911.85	-3.58	5.62	4.57	1650557.98	14295912.84	39°22'04.666"N	80°57'50.822"W	7.24	39.072	1.15	1.05	11.21	
1012.00	4.240	63.090	1011.65	-4.56	8.78	9.94	1650563.36	14295916.00	39°22'04.697"N	80°57'50.753"W	13.26	48.554	1.41	1.31	8.58	
1112.00	6.110	68.390	1111.24	-4.94	12.41	18.19	1650571.60	14295919.63	39°22'04.733"N	80°57'50.648"W	22.02	55.686	1.93	1.87	5.30	
1212.00	7.130	67.770	1210.57	-5.06	16.72	28.88	1650582.29	14295923.93	39°22'04.775"N	80°57'50.512"W	33.37	59.930	1.02	1.02	-0.62	
1312.00	8.350	67.080	1309.66	-5.35	21.90	41.31	1650594.72	14295929.11	39°22'04.826"N	80°57'50.354"W	46.76	62.075	1.22	1.22	-0.69	
1412.00	10.200	68.090	1408.35	-5.64	28.03	56.22	1650609.61	14295935.24	39°22'04.887"N	80°57'50.164"W	62.82	63.499	1.86	1.85	1.01	
1512.00	11.910	67.610	1506.49	-5.91	35.26	73.97	1650627.36	14295942.47	39°22'04.958"N	80°57'49.938"W	81.95	64.512	1.71	1.71	-0.48	
1612.00	14.130	67.800	1603.91	-6.28	43.81	94.82	1650648.20	14295951.01	39°22'05.043"N	80°57'49.672"W	104.45	65.202	2.22	2.22	0.19	
1712.00	16.240	65.210	1700.41	-7.30	54.28	118.82	1650672.19	14295961.48	39°22'05.146"N	80°57'49.367"W	130.63	65.446	2.22	2.11	-2.59	
1812.00	16.990	53.100	1796.27	-12.06	68.92	143.20	1650696.57	14295976.12	39°22'05.291"N	80°57'49.056"W	158.93	64.298	3.54	0.75	-12.11	
1912.00	18.180	53.940	1891.59	-19.94	86.88	167.50	1650720.85	14295994.07	39°22'05.468"N	80°57'48.747"W	188.69	62.585	1.22	1.19	0.84	
2012.00	19.830	56.100	1986.14	-27.58	105.52	194.19	1650747.53	14296012.70	39°22'05.652"N	80°57'48.407"W	221.01	61.480	1.79	1.65	2.16	
2112.00	20.920	56.650	2079.88	-34.98	124.80	223.18	1650776.51	14296031.97	39°22'05.843"N	80°57'48.038"W	255.71	60.787	1.11	1.09	0.55	
2212.00	20.520	56.910	2173.41	-42.26	144.18	252.78	1650806.10	14296051.35	39°22'06.034"N	80°57'47.661"W	291.01	60.300	0.41	-0.40	0.26	
2312.00	18.310	57.960	2267.72	-48.74	162.09	280.78	1650834.09	14296069.24	39°22'06.211"N	80°57'47.304"W	324.21	60.003	2.24	-2.21	1.05	
2412.00	16.910	57.990	2363.03	-54.35	178.13	306.43	1650859.73	14296085.28	39°22'06.369"N	80°57'46.977"W	354.45	59.830	1.40	-1.40	0.03	
2512.00	16.400	63.690	2458.84	-58.26	192.10	331.42	1650884.71	14296099.24	39°22'06.507"N	80°57'46.659"W	383.07	59.903	1.71	-0.51	5.70	
2612.00	16.200	65.230	2554.83	-60.31	204.20	356.74	1650910.02	14296111.34	39°22'06.627"N	80°57'46.337"W	411.05	60.213	0.48	-0.20	1.54	
2712.00	16.890	63.560	2650.69	-62.43	216.51	382.42	1650935.68	14296123.65	39°22'06.748"N	80°57'46.010"W	439.45	60.483	0.84	0.69	-1.67	
2812.00	17.880	61.330	2746.12	-65.68	230.35	408.89	1650962.15	14296137.47	39°22'06.885"N	80°57'45.672"W	469.31	60.606	1.19	0.99	-2.23	

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Actual Wellpath Report

Dillon Unit 3H AWP Proj: 15064'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #08
Area	Tyler County, WV	Well	Dillon Unit 3H
Field	Tyler	Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad		

WELLPATH DATA (177 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
2912.00	19.260	60.900	2840.91	-69.86	245.73	436.78	1650990.02	14296152.85	39°22'07.037"N	80°57'45.317"W	501.16	60.638	1.39	1.38	-0.43	
3012.00	20.680	61.590	2934.89	-74.25	262.16	466.72	1651019.95	14296169.27	39°22'07.199"N	80°57'44.936"W	535.31	60.677	1.44	1.42	0.69	
3112.00	21.500	61.680	3028.19	-78.64	279.25	498.38	1651051.60	14296186.36	39°22'07.368"N	80°57'44.533"W	571.28	60.737	0.82	0.82	0.09	
3212.00	22.770	61.280	3120.82	-83.35	297.24	531.49	1651084.69	14296204.34	39°22'07.546"N	80°57'44.111"W	608.96	60.783	1.28	1.27	-0.40	
3312.00	21.650	60.870	3213.40	-88.33	315.52	564.57	1651117.76	14296222.62	39°22'07.726"N	80°57'43.690"W	646.76	60.800	1.13	-1.12	-0.41	
3412.00	22.060	62.150	3306.21	-92.95	333.28	597.29	1651150.47	14296240.36	39°22'07.902"N	80°57'43.273"W	683.98	60.839	0.63	0.41	1.28	
3512.00	22.440	61.030	3398.77	-97.61	351.29	630.59	1651183.76	14296258.37	39°22'08.079"N	80°57'42.849"W	721.84	60.878	0.57	0.38	-1.12	
3612.00	23.120	60.090	3490.97	-103.06	370.33	664.31	1651217.46	14296277.40	39°22'08.267"N	80°57'42.420"W	760.56	60.862	0.77	0.68	-0.94	
3712.00	23.190	60.050	3582.91	-108.93	389.95	698.38	1651251.52	14296297.01	39°22'08.461"N	80°57'41.986"W	799.87	60.823	0.07	0.07	-0.04	
3812.00	22.460	61.730	3675.08	-114.18	408.82	732.27	1651285.39	14296315.88	39°22'08.648"N	80°57'41.554"W	838.66	60.825	0.98	-0.73	1.68	
3912.00	21.530	62.450	3767.80	-118.46	426.36	765.36	1651318.47	14296333.41	39°22'08.821"N	80°57'41.133"W	876.11	60.879	0.97	-0.93	0.72	
4012.00	22.510	62.520	3860.51	-122.48	443.68	798.61	1651351.71	14296350.72	39°22'08.992"N	80°57'40.709"W	913.58	60.945	0.98	0.98	0.07	
4112.00	23.080	60.120	3952.70	-127.44	462.28	832.59	1651385.68	14296369.31	39°22'09.176"N	80°57'40.276"W	952.32	60.960	1.09	0.57	-2.40	
4212.00	23.460	56.140	4044.57	-134.66	483.13	866.12	1651419.19	14296390.16	39°22'09.382"N	80°57'39.849"W	991.76	60.847	1.62	0.38	-3.98	
4312.00	23.790	54.240	4136.19	-143.99	506.01	899.02	1651452.08	14296413.03	39°22'09.608"N	80°57'39.430"W	1031.64	60.627	0.83	0.33	-1.90	
4412.00	24.290	53.530	4227.52	-154.37	530.02	931.92	1651484.97	14296437.03	39°22'09.845"N	80°57'39.011"W	1072.10	60.371	0.58	0.50	-0.71	
4512.00	22.860	58.410	4319.18	-163.19	552.43	965.01	1651518.05	14296459.43	39°22'10.066"N	80°57'38.590"W	1111.95	60.211	2.42	-1.43	4.88	
4612.00	23.080	59.950	4411.25	-169.61	572.42	998.53	1651551.55	14296479.41	39°22'10.263"N	80°57'38.163"W	1150.96	60.176	0.64	0.22	1.54	
4712.00	23.080	58.870	4503.24	-175.90	592.37	1032.27	1651585.28	14296499.35	39°22'10.460"N	80°57'37.733"W	1190.16	60.151	0.42	0.00	-1.08	
4812.00	23.030	62.450	4595.26	-181.34	611.55	1066.39	1651619.39	14296518.52	39°22'10.650"N	80°57'37.298"W	1229.30	60.167	1.40	-0.05	3.58	
4912.00	23.480	64.600	4687.14	-184.86	629.14	1101.73	1651654.71	14296536.11	39°22'10.824"N	80°57'36.848"W	1268.71	60.272	0.96	0.45	2.15	
5012.00	24.350	66.120	4778.55	-187.18	646.03	1138.58	1651691.54	14296552.99	39°22'10.990"N	80°57'36.379"W	1309.09	60.429	1.07	0.87	1.52	
5112.00	23.930	70.360	4869.81	-187.49	661.20	1176.54	1651729.48	14296568.15	39°22'11.140"N	80°57'35.896"W	1349.60	60.665	1.78	-0.42	4.24	
5212.00	21.680	68.820	4961.99	-186.83	674.69	1212.86	1651765.80	14296581.64	39°22'11.273"N	80°57'35.433"W	1387.89	60.914	2.33	-2.25	-1.54	
5312.00	21.180	61.220	5055.10	-189.11	690.06	1245.93	1651798.85	14296597.00	39°22'11.425"N	80°57'35.012"W	1424.26	61.020	2.82	-0.50	-7.60	
5412.00	22.820	62.340	5147.81	-193.58	707.76	1278.94	1651831.85	14296614.70	39°22'11.600"N	80°57'34.592"W	1461.72	61.040	1.69	1.64	1.12	
5512.00	22.490	61.580	5240.10	-198.06	725.87	1312.94	1651865.83	14296632.80	39°22'11.779"N	80°57'34.159"W	1500.23	61.064	0.44	-0.33	-0.76	
5612.00	23.040	64.090	5332.31	-201.97	743.52	1347.36	1651900.24	14296650.44	39°22'11.953"N	80°57'33.720"W	1538.90	61.109	1.12	0.55	2.51	
5712.00	22.050	64.010	5424.67	-205.05	760.30	1381.84	1651934.70	14296667.21	39°22'12.119"N	80°57'33.281"W	1577.19	61.180	0.99	-0.99	-0.08	
5812.00	20.800	63.600	5517.75	-208.13	776.42	1414.61	1651967.46	14296683.33	39°22'12.278"N	80°57'32.864"W	1613.68	61.240	1.26	-1.25	-0.41	

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Dillon Unit 3H AWP Proj: 15064'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #08
Area	Tyler County, WV	Well	Dillon Unit 3H
Field	Tyler	Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad		

WELLPATH DATA (177 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]	
5912.00	20.480	57.600	5611.35	-213.04	793.69	1445.29	1651998.13	14296700.59	39°22'12.448"N	80°57'32.473"W	1648.88	61.226	2.14	-0.32	-6.00	
5926.00	20.620	55.880	5624.45	-214.06	796.39	1449.40	1652002.24	14296703.29	39°22'12.475"N	80°57'32.421"W	1653.78	61.213	4.43	1.00	-12.29	
5956.00	21.340	50.260	5652.47	-216.95	802.84	1457.97	1652010.81	14296709.74	39°22'12.539"N	80°57'32.311"W	1664.40	61.160	7.12	2.40	-18.73	BHI AT Curve <8-1/2"> (5926')(5956'-15040')
6058.00	23.760	44.970	5746.67	-231.06	829.25	1486.77	1652039.59	14296736.13	39°22'12.800"N	80°57'31.945"W	1702.39	60.849	3.09	2.37	-5.19	
6106.00	23.010	46.350	5790.73	-238.50	842.56	1500.39	1652053.21	14296749.45	39°22'12.931"N	80°57'31.771"W	1720.78	60.683	1.93	-1.56	2.88	
6153.00	22.860	55.150	5834.03	-244.12	854.13	1514.54	1652067.35	14296761.00	39°22'13.045"N	80°57'31.591"W	1738.78	60.579	7.30	-0.32	18.72	
6200.00	22.820	65.220	5877.36	-246.80	863.17	1530.31	1652083.12	14296770.04	39°22'13.135"N	80°57'31.390"W	1756.96	60.575	8.31	-0.09	21.43	
6247.00	23.050	76.430	5920.66	-246.10	869.15	1547.54	1652100.34	14296776.02	39°22'13.194"N	80°57'31.171"W	1774.91	60.680	9.29	0.49	23.85	
6291.00	24.310	87.290	5960.98	-242.04	871.60	1564.97	1652117.76	14296778.47	39°22'13.218"N	80°57'30.949"W	1791.31	60.885	10.30	2.86	24.68	
6341.00	26.580	97.320	6006.15	-233.37	870.66	1586.36	1652139.14	14296777.53	39°22'13.208"N	80°57'30.676"W	1809.58	61.240	9.73	4.54	20.06	
6386.00	28.320	105.070	6046.09	-222.20	866.60	1606.66	1652159.43	14296773.47	39°22'13.168"N	80°57'30.418"W	1825.47	61.658	8.82	3.87	17.22	
6436.00	31.190	112.810	6089.51	-206.13	858.49	1630.06	1652182.82	14296765.37	39°22'13.088"N	80°57'30.120"W	1842.31	62.226	9.58	5.74	15.48	
6479.00	34.370	118.740	6125.67	-189.06	848.33	1650.97	1652203.73	14296755.21	39°22'12.988"N	80°57'29.854"W	1856.17	62.804	10.50	7.40	13.79	
6530.00	37.200	123.970	6167.05	-165.33	832.79	1676.39	1652229.14	14296739.68	39°22'12.834"N	80°57'29.530"W	1871.85	63.583	8.17	5.55	10.25	
6577.00	40.540	127.760	6203.64	-140.52	815.49	1700.26	1652253.00	14296722.38	39°22'12.663"N	80°57'29.226"W	1885.71	64.376	8.72	7.11	8.06	
6625.00	44.680	131.230	6238.96	-112.14	794.80	1725.30	1652278.03	14296701.70	39°22'12.458"N	80°57'28.908"W	1899.57	65.266	9.91	8.63	7.23	
6672.00	49.070	135.560	6271.09	-81.12	771.22	1750.18	1652302.89	14296678.13	39°22'12.225"N	80°57'28.591"W	1912.56	66.219	11.51	9.34	9.21	
6702.00†	51.254	138.321	6290.31	-59.72	754.39	1765.89	1652318.60	14296661.30	39°22'12.058"N	80°57'28.391"W	1920.28	66.868	10.15	7.28	9.20	Middlesex: 6702' MD / 6290.3' TVD
6719.00	52.520	139.810	6300.80	-47.12	744.28	1774.66	1652327.36	14296651.20	39°22'11.959"N	80°57'28.279"W	1924.41	67.247	10.15	7.44	8.76	
6766.00	55.610	143.920	6328.39	-10.69	714.35	1798.12	1652350.82	14296621.28	39°22'11.663"N	80°57'27.981"W	1934.82	68.333	9.66	6.57	8.74	
6813.00	58.560	146.670	6353.93	27.69	681.91	1820.57	1652373.26	14296588.86	39°22'11.342"N	80°57'27.695"W	1944.09	69.466	7.97	6.28	5.85	
6860.00	62.400	147.630	6377.09	67.76	647.56	1842.74	1652395.42	14296554.52	39°22'11.002"N	80°57'27.413"W	1953.21	70.638	8.36	8.17	2.04	
6868.00†	63.094	147.598	6380.75	74.74	641.55	1846.55	1652399.23	14296548.51	39°22'10.943"N	80°57'27.365"W	1954.83	70.841	8.69	8.68	-0.39	Burkett: 6868' MD / 6380.8' TVD
6907.00	66.480	147.450	6397.36	109.36	611.79	1865.50	1652418.17	14296518.76	39°22'10.649"N	80°57'27.124"W	1963.25	71.843	8.69	8.68	-0.38	
6928.00†	68.343	147.373	6405.43	128.37	595.45	1875.94	1652428.60	14296502.43	39°22'10.487"N	80°57'26.991"W	1968.17	72.390	8.88	8.87	-0.37	Tully: 6928' MD / 6405.4' TVD
6954.00	70.650	147.280	6414.53	152.25	574.95	1889.09	1652441.75	14296481.94	39°22'10.284"N	80°57'26.823"W	1974.64	73.072	8.88	8.87	-0.36	
6960.00†	71.261	147.413	6416.49	157.81	570.18	1892.15	1652444.80	14296477.17	39°22'10.237"N	80°57'26.784"W	1976.19	73.230	10.40	10.18	2.22	Marcellus POE: 6960' MD / 6416.5' TVD
7002.00	75.540	148.320	6428.49	197.34	536.10	1913.55	1652466.20	14296443.11	39°22'09.900"N	80°57'26.512"W	1987.22	74.349	10.40	10.19	2.16	
7049.00	79.790	151.430	6438.53	242.70	496.40	1936.57	1652489.21	14296403.42	39°22'09.508"N	80°57'26.219"W	1999.18	75.623	11.11	9.04	6.62	
7096.00	83.120	153.670	6445.51	288.91	455.16	1957.99	1652510.62	14296362.20	39°22'09.100"N	80°57'25.947"W	2010.20	76.913	8.51	7.09	4.77	

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Actual Wellpath Report

Dillon Unit 3H AWP Proj: 15064'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION		Slot #08
Area	Tyler County, WV		Well
Field	Tyler		Wellbore
Facility	Terry Snider Pad		Dillon Unit 3H AWB

WELLPATH DATA (177 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
7143.00	87.010	154.610	6449.55	335.58	413.03	1978.41	1652531.03	14296320.08	39°22'08.684"N	80°57'25.687"W	2021.06	78.208	8.51	8.28	2.00	
7190.00	89.940	155.850	6450.80	382.48	370.37	1998.09	1652550.71	14296277.45	39°22'08.262"N	80°57'25.437"W	2032.13	79.499	6.77	6.23	2.64	
7285.00	89.970	154.250	6450.88	477.29	284.24	2038.16	1652590.76	14296191.35	39°22'07.411"N	80°57'24.927"W	2057.89	82.061	1.68	0.03	-1.68	
7379.00	89.880	155.870	6451.00	571.10	199.01	2077.80	1652630.38	14296106.15	39°22'06.568"N	80°57'24.423"W	2087.31	84.529	1.73	-0.10	1.72	
7473.00	89.820	160.530	6451.25	665.07	111.76	2112.70	1652665.27	14296018.93	39°22'05.705"N	80°57'23.979"W	2115.65	86.972	4.96	-0.06	4.96	
7567.00	89.820	160.990	6451.54	759.00	23.01	2143.67	1652696.23	14295930.22	39°22'04.828"N	80°57'23.585"W	2143.80	89.385	0.49	0.00	0.49	
7661.00	89.350	159.350	6452.22	852.97	-65.41	2175.56	1652728.10	14295841.84	39°22'03.954"N	80°57'23.180"W	2176.54	91.722	1.81	-0.50	-1.74	
7755.00	89.600	159.420	6453.08	946.95	-153.39	2208.65	1652761.19	14295753.89	39°22'03.084"N	80°57'22.759"W	2213.97	93.973	0.28	0.27	0.07	
7849.00	89.570	158.890	6453.77	1040.95	-241.23	2242.10	1652794.62	14295666.08	39°22'02.216"N	80°57'22.333"W	2255.04	96.141	0.56	-0.03	-0.56	
7944.00	90.980	165.440	6453.31	1135.71	-331.61	2271.18	1652823.69	14295575.74	39°22'01.323"N	80°57'21.964"W	2295.26	98.307	7.05	1.48	6.89	
8038.00	90.000	161.850	6452.50	1229.34	-421.79	2297.64	1652850.14	14295485.60	39°22'00.431"N	80°57'21.627"W	2336.04	100.402	3.96	-1.04	-3.82	
8132.00	89.970	155.610	6452.53	1323.29	-509.35	2331.73	1652884.21	14295398.08	39°21'59.566"N	80°57'21.194"W	2386.71	102.322	6.64	-0.03	-6.64	
8227.00	90.220	154.340	6452.37	1418.09	-595.43	2371.91	1652924.38	14295312.03	39°21'58.715"N	80°57'20.683"W	2445.51	104.092	1.36	0.26	-1.34	
8321.00	90.030	155.480	6452.17	1511.89	-680.55	2411.77	1652964.22	14295226.94	39°21'57.873"N	80°57'20.176"W	2505.95	105.758	1.23	-0.20	1.21	
8416.00	89.750	154.360	6452.35	1606.69	-766.60	2452.04	1653004.47	14295140.93	39°21'57.022"N	80°57'19.664"W	2569.08	107.361	1.22	-0.29	-1.18	
8510.00	90.220	156.470	6452.37	1700.53	-852.07	2491.15	1653043.56	14295055.49	39°21'56.177"N	80°57'19.166"W	2632.84	108.883	2.30	0.50	2.24	
8604.00	90.060	157.170	6452.14	1794.48	-938.48	2528.15	1653080.55	14294969.12	39°21'55.323"N	80°57'18.696"W	2696.71	110.366	0.76	-0.17	0.74	
8699.00	90.060	156.820	6452.04	1889.44	-1025.92	2565.27	1653117.66	14294881.71	39°21'54.459"N	80°57'18.224"W	2762.81	111.798	0.37	0.00	-0.37	
8793.00	90.180	156.870	6451.85	1983.40	-1112.35	2602.24	1653154.61	14294795.32	39°21'53.604"N	80°57'17.754"W	2830.01	113.145	0.14	0.13	0.05	
8887.00	90.340	160.980	6451.42	2077.37	-1200.04	2636.03	1653188.39	14294707.66	39°21'52.738"N	80°57'17.324"W	2896.34	114.477	4.38	0.17	4.37	
8982.00	90.430	161.030	6450.78	2172.29	-1289.87	2666.95	1653219.30	14294617.87	39°21'51.850"N	80°57'16.931"W	2962.50	115.811	0.11	0.09	0.05	
9075.00	89.970	155.220	6450.46	2265.25	-1376.14	2701.59	1653253.92	14294531.64	39°21'50.997"N	80°57'16.490"W	3031.88	116.993	6.27	-0.49	-6.25	
9170.00	90.180	153.990	6450.33	2360.01	-1461.95	2742.33	1653294.64	14294445.85	39°21'50.148"N	80°57'15.972"W	3107.68	118.062	1.31	0.22	-1.29	
9264.00	90.150	160.330	6450.06	2453.93	-1548.54	2778.79	1653331.10	14294359.30	39°21'49.292"N	80°57'15.508"W	3181.14	119.130	6.74	-0.03	6.74	
9358.00	90.030	157.780	6449.91	2547.92	-1636.32	2812.39	1653364.68	14294271.56	39°21'48.425"N	80°57'15.081"W	3253.78	120.192	2.72	-0.13	-2.71	
9452.00	89.910	158.020	6449.96	2641.91	-1723.41	2847.76	1653400.03	14294184.50	39°21'47.564"N	80°57'14.632"W	3328.65	121.182	0.29	-0.13	0.26	
9545.00	89.630	155.440	6450.34	2734.85	-1808.84	2884.50	1653436.76	14294099.11	39°21'46.719"N	80°57'14.164"W	3404.74	122.091	2.79	-0.30	-2.77	
9639.00	89.880	154.610	6450.74	2828.66	-1894.05	2924.18	1653476.43	14294013.93	39°21'45.877"N	80°57'13.660"W	3484.00	122.932	0.92	0.27	-0.88	
9733.00	89.850	155.890	6450.96	2922.49	-1979.41	2963.54	1653515.77	14293928.60	39°21'45.033"N	80°57'13.159"W	3563.79	123.740	1.36	-0.03	1.36	
9828.00	89.750	159.000	6451.29	3017.46	-2067.14	2999.97	1653552.19	14293840.92	39°21'44.166"N	80°57'12.696"W	3643.20	124.569	3.28	-0.11	3.27	

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Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #08
Area	Tyler County, WV	Well	Dillon Unit 3H
Field	Tyler	Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad		

WELLPATH DATA (177 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
9922.00	89.750	160.840	6451.70	3111.43	-2155.42	3032.24	1653584.44	14293752.67	39°21'43.293"N	80°57'12.286"W	3720.26	125.406	1.96	0.00	1.96	
10016.00	90.000	161.080	6451.91	3205.35	-2244.27	3062.91	1653615.10	14293663.85	39°21'42.415"N	80°57'11.896"W	3797.13	126.231	0.37	0.27	0.26	
10111.00	89.880	168.040	6452.01	3299.79	-2335.79	3088.18	1653640.36	14293572.37	39°21'41.510"N	80°57'11.574"W	3872.05	127.103	7.33	-0.13	7.33	
10205.00	89.970	168.510	6452.13	3392.47	-2427.83	3107.29	1653659.46	14293480.37	39°21'40.600"N	80°57'11.332"W	3943.30	128.002	0.51	0.10	0.50	
10299.00	90.030	159.470	6452.13	3485.96	-2518.09	3133.19	1653685.35	14293390.14	39°21'39.708"N	80°57'11.003"W	4019.65	128.788	9.62	0.06	-9.62	
10393.00	90.310	155.160	6451.85	3579.91	-2604.80	3169.43	1653721.58	14293303.47	39°21'38.851"N	80°57'10.542"W	4102.47	129.415	4.59	0.30	-4.59	
10488.00	89.910	151.780	6451.67	3674.51	-2689.78	3211.86	1653763.99	14293218.52	39°21'38.011"N	80°57'10.002"W	4189.38	129.945	3.58	-0.42	-3.56	
10582.00	89.820	151.820	6451.89	3767.84	-2772.62	3256.28	1653808.39	14293135.71	39°21'37.192"N	80°57'09.437"W	4276.77	130.413	0.10	-0.10	0.04	
10677.00	89.750	153.240	6452.25	3862.30	-2856.91	3300.10	1653852.19	14293051.46	39°21'36.358"N	80°57'08.880"W	4364.92	130.883	1.50	-0.07	1.49	
10771.00	89.570	153.590	6452.80	3955.90	-2940.97	3342.16	1653894.24	14292967.43	39°21'35.527"N	80°57'08.345"W	4451.89	131.346	0.42	-0.19	0.37	
10865.00	89.630	155.110	6453.46	4049.63	-3025.70	3382.85	1653934.91	14292882.74	39°21'34.690"N	80°57'07.828"W	4538.56	131.810	1.62	0.06	1.62	
10960.00	89.480	158.600	6454.20	4144.57	-3113.04	3420.18	1653972.23	14292795.43	39°21'33.826"N	80°57'07.353"W	4624.79	132.308	3.68	-0.16	3.67	
11054.00	89.320	158.690	6455.18	4238.56	-3200.58	3454.41	1654006.44	14292707.93	39°21'32.961"N	80°57'06.918"W	4709.21	132.816	0.20	-0.17	0.10	
11148.00	89.630	160.900	6455.05	4332.53	-3288.78	3486.87	1654038.89	14292619.76	39°21'32.089"N	80°57'06.505"W	4793.16	133.325	2.37	0.33	2.35	
11243.00	89.780	163.020	6456.53	4427.37	-3379.11	3516.29	1654068.30	14292529.47	39°21'31.196"N	80°57'06.131"W	4876.75	133.860	2.24	0.16	2.23	
11337.00	89.660	163.190	6456.99	4521.08	-3469.05	3543.61	1654095.61	14292439.56	39°21'30.307"N	80°57'05.784"W	4958.98	134.391	0.22	-0.13	0.18	
11431.00	89.780	161.580	6457.45	4614.88	-3558.64	3572.05	1654124.04	14292350.01	39°21'29.421"N	80°57'05.422"W	5042.17	134.892	1.72	0.13	-1.71	
11525.00	90.550	156.770	6457.18	4708.85	-3646.47	3605.46	1654157.43	14292262.21	39°21'28.553"N	80°57'04.998"W	5127.97	135.324	5.18	0.82	-5.12	
11619.00	89.660	155.820	6457.01	4802.77	-3732.54	3643.25	1654195.21	14292176.18	39°21'27.702"N	80°57'04.517"W	5215.85	135.694	1.38	-0.95	-1.01	
11713.00	89.290	160.230	6457.87	4896.73	-3819.68	3678.42	1654230.36	14292089.07	39°21'26.841"N	80°57'04.070"W	5302.90	136.079	4.71	-0.39	4.69	
11807.00	89.690	163.500	6458.71	4990.57	-3909.00	3707.67	1654259.60	14291999.79	39°21'25.958"N	80°57'03.698"W	5387.68	136.514	3.50	0.43	3.48	
11902.00	89.690	163.930	6459.22	5085.20	-4000.18	3734.31	1654286.23	14291908.64	39°21'25.056"N	80°57'03.360"W	5472.34	136.969	0.45	0.00	0.45	
11996.00	89.820	163.700	6459.62	5178.81	-4090.46	3760.51	1654312.42	14291818.41	39°21'24.164"N	80°57'03.027"W	5556.37	137.407	0.28	0.14	-0.24	
12090.00	89.630	162.370	6460.08	5272.53	-4180.36	3787.94	1654339.84	14291728.54	39°21'23.275"N	80°57'02.678"W	5641.27	137.819	1.43	-0.20	-1.41	
12184.00	90.400	158.000	6460.05	5366.48	-4268.78	3819.79	1654371.68	14291640.16	39°21'22.401"N	80°57'02.273"W	5728.29	138.177	4.72	0.82	-4.65	
12278.00	89.690	154.250	6459.98	5460.37	-4354.72	3857.83	1654409.70	14291554.25	39°21'21.552"N	80°57'01.790"W	5817.77	138.462	4.06	-0.76	-3.99	
12373.00	89.660	154.470	6460.52	5555.10	-4440.36	3898.94	1654450.79	14291468.64	39°21'20.705"N	80°57'01.267"W	5909.19	138.715	0.23	-0.03	0.23	
12467.00	89.720	156.110	6461.02	5648.93	-4525.75	3938.23	1654490.07	14291383.29	39°21'19.861"N	80°57'00.767"W	5999.34	138.971	1.75	0.06	1.74	
12561.00	89.690	157.480	6461.51	5742.88	-4612.14	3975.27	1654527.09	14291296.93	39°21'19.007"N	80°57'00.297"W	6088.89	139.241	1.46	-0.03	1.46	
12655.00	89.780	157.330	6461.94	5836.86	-4698.93	4011.39	1654563.19	14291210.18	39°21'18.149"N	80°56'59.837"W	6178.28	139.513	0.19	0.10	-0.16	

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Actual Wellpath Report
 Dillon Unit 3H AWP Proj: 15064

REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION
Area	Tyler County, WV
Field	Tyler
Facility	Terry Snider Pad
Slot	Dillon Unit 3H
Slot #08	Dillon Unit 3H AWP

WELLPATH DATA (177 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Dir	DLS	Buidl Rate	Turn Rate	Comments
(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)	(ft)	(ft)	(ft)	(°)	(ft/100ft)	(ft/100ft)	(ft/100ft)	
12750.00	89.970	166.770	6452.15	5931.58	-4789.20	4040.63	1654592.43	14291119.94	39°21'17.25"N	80°56'59.46"W	6266.03	139.846	9.94	0.20	9.94	
12844.00	89.820	168.030	6462.32	6024.49	-4880.93	4061.14	1654612.92	14291028.25	39°21'16.35"N	80°56'59.205"W	6349.51	140.238	1.35	-0.16	1.34	
12938.00	89.570	161.510	6462.82	6117.90	-4971.58	4085.81	1654637.59	14290937.64	39°21'15.454"N	80°56'58.892"W	6435.10	140.585	6.94	-0.27	-6.94	
13032.00	89.510	157.590	6463.58	6211.87	-5059.64	4118.65	1654670.41	14290849.62	39°21'14.583"N	80°56'58.474"W	6524.05	140.854	4.17	-0.06	-4.17	
13126.00	89.510	153.540	6464.38	6305.71	-5145.20	4157.52	1654709.27	14290764.09	39°21'13.737"N	80°56'57.980"W	6614.99	141.060	4.31	0.00	-4.31	
13220.00	89.540	149.110	6465.16	6398.91	-5227.65	4202.62	1654754.35	14290681.67	39°21'12.922"N	80°56'57.407"W	6707.48	141.203	4.71	0.03	-4.71	
13314.00	89.480	150.200	6465.97	6491.75	-5308.76	4250.10	1654801.82	14290600.59	39°21'12.120"N	80°56'56.803"W	6800.47	141.320	1.16	-0.06	1.16	
13408.00	89.540	154.970	6466.77	6585.20	-5392.18	4293.37	1654845.06	14290517.21	39°21'11.295"N	80°56'56.253"W	6892.65	141.472	5.07	0.06	5.07	
13503.00	89.630	156.530	6467.46	6680.07	-5478.79	4332.39	1654884.06	14290430.63	39°21'10.439"N	80°56'55.757"W	6984.75	141.665	1.64	0.09	1.64	
13597.00	89.350	167.690	6468.30	6774.03	-5565.39	4368.95	1654920.61	14290344.07	39°21'09.583"N	80°56'55.292"W	7075.39	141.867	1.27	-0.30	1.23	
13691.00	89.350	161.640	6469.36	6867.99	-5653.50	4401.60	1654953.25	14290255.99	39°21'08.712"N	80°56'54.877"W	7164.93	142.097	4.20	0.00	4.20	
13786.00	89.750	160.760	6470.11	6962.89	-5743.43	4432.22	1654983.86	14290166.10	39°21'07.823"N	80°56'54.488"W	7254.76	142.343	1.02	-0.42	-0.93	
13880.00	89.780	162.740	6470.49	7056.75	-5832.70	4461.65	1655013.28	14290076.87	39°21'06.941"N	80°56'54.114"W	7343.48	142.586	2.11	0.03	2.11	
13974.00	89.820	166.110	6470.82	7150.35	-5923.02	4487.68	1655039.30	14289986.58	39°21'06.048"N	80°56'53.783"W	7431.11	142.850	2.52	0.04	2.52	
14068.00	90.340	166.000	6470.69	7243.66	-6014.04	4511.13	1655062.73	14289895.59	39°21'05.148"N	80°56'53.485"W	7517.91	143.126	1.10	0.55	0.95	
14162.00	90.860	160.520	6469.71	7337.32	-6104.02	4538.19	1655089.79	14289805.65	39°21'04.258"N	80°56'53.141"W	7606.20	143.370	5.86	0.55	-5.83	
14256.00	90.120	156.690	6468.90	7431.30	-6191.52	4572.47	1655124.06	14289718.19	39°21'03.393"N	80°56'52.705"W	7696.91	143.554	4.15	-0.79	-4.07	
14351.00	90.120	156.170	6468.70	7526.22	-6278.60	4610.46	1655162.03	14289631.15	39°21'02.533"N	80°56'52.223"W	7789.55	143.710	0.55	0.00	-0.55	
14445.00	90.120	159.550	6468.51	7620.20	-6365.65	4645.88	1655197.43	14289544.13	39°21'01.672"N	80°56'51.772"W	7880.72	143.877	3.60	0.00	3.60	
14539.00	90.030	159.760	6468.38	7714.19	-6453.79	4678.56	1655230.10	14289456.03	39°21'00.801"N	80°56'51.357"W	7971.22	144.060	0.24	-0.10	0.22	
14633.00	89.600	156.040	6468.69	7808.16	-6540.87	4713.92	1655265.45	14289368.98	39°20'59.940"N	80°56'50.908"W	8062.50	144.220	3.98	-0.46	-3.96	
14727.00	90.250	160.390	6468.81	7902.13	-6628.13	4749.80	1655300.31	14289281.75	39°20'59.077"N	80°56'50.464"W	8153.72	144.380	4.68	0.69	4.63	
14821.00	90.060	162.170	6468.56	7996.03	-6717.15	4778.97	1655330.46	14289192.77	39°20'58.197"N	80°56'50.081"W	8243.70	144.570	1.90	-0.20	1.89	
14915.00	90.090	164.340	6468.43	8089.72	-6807.16	4808.05	1655357.53	14289102.79	39°20'57.307"N	80°56'49.737"W	8332.80	144.777	2.31	0.03	2.31	
15010.00	90.060	163.550	6468.31	8184.32	-6898.46	4832.32	1655383.80	14289011.54	39°20'56.405"N	80°56'49.403"W	8422.59	144.989	0.83	-0.03	-0.83	
15040.00	90.150	164.670	6468.25	8214.18	-6927.31	4840.53	1655392.01	14288982.66	39°20'56.120"N	80°56'49.299"W	8450.94	145.056	3.75	0.30	3.73	
15064.00	90.150	164.670	6468.19	8238.05	-6950.46	4846.88	1655398.35	14288959.56	39°20'55.891"N	80°56'49.218"W	8473.55	145.110	0.00	0.00	0.00	Projected MD at TD: 15064'

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Actual Wellpath Report

Dillon Unit 3H AWP Proj: 15064'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #08
Area	Tyler County, WV	Well	Dillon Unit 3H
Field	Tyler	Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad		

HOLE & CASING SECTIONS - Ref Wellbore: Dillon Unit 3H AWB Ref Wellpath: Dillon Unit 3H AWP Proj: 15064'										
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	25.00	65.00	40.00	25.00	65.00	0.00	0.00	-0.09	-0.06	
13.375in Casing Surface	25.00	500.00	475.00	25.00	499.99	0.00	0.00	-1.45	-1.30	
9.625in Casing Intermediate	25.00	2578.00	2553.00	25.00	2522.18	0.00	0.00	200.18	348.13	

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Dillon Unit 3H POE Rev-3	6417.00	581.84	1877.87	1652430.53	14296488.83	39°22'10.353"N	80°57'26.966"W	point
Dillon Unit 3H AZI Rev-3	6454.00	173.43	2087.13	1652639.71	14296080.58	39°22'06.315"N	80°57'24.304"W	point
Dillon Unit 3H BHL Plat	6454.00	-6546.85	4713.47	1655265.00	14289363.00	39°20'59.881"N	80°56'50.913"W	point
Dillon Unit 3H BHL Rev-3	6454.00	-6959.46	4874.73	1655426.19	14288950.56	39°20'55.802"N	80°56'48.864"W	point
Dillon Unit 3H 20' L/R Hard Line	6600.00	-3393.02	3480.93	1654032.95	14292515.57	39°21'31.059"N	80°57'06.581"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: Dillon Unit 3H AWB Ref Wellpath: Dillon Unit 3H AWP Proj: 15064'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
25.00	5926.00	Gyrodata standard - Drop gyro or Multi-shot	03_Gyrodata MS Gyro <8-3/4"> (100'-5914')	Dillon Unit 3H AWB	
5926.00	15040.00	BHI AutoTrak Curve (Short)	04_BHI AT Curve <8-1/2"> (5926')(5956'-15040')	Dillon Unit 3H AWB	
15040.00	15064.00	Blind Drilling (std)	Projection to bit	Dillon Unit 3H AWB	

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Dillon Unit 3H AWP Proj: 15064'

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Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #08
Area	Tyler County, WV	Well	Dillon Unit 3H
Field	Tyler	Wellbore	Dillon Unit 3H AWB
Facility	Terry Snider Pad		

COMMENTS

Wellpath general comments

API: 47-095-02353-0000

BHI Job #: 8249708

Rig: Patterson 342

Duration: 11/12/2016-11/16/2016

Gyrodata MS Gyro <8-3/4"> (100'-5914')

BHI AT Curve <8-1/2"> (5926')(5956'-15040')

Middlesex: 6702' MD

Burkett: 6868' MD

Tully: 6928' MD

Marcellus POE: 6960' MD

Projected MD at TD: 15064'

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