



ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
Field: Tyler
Facility: Weigle East Pad

Slot: Slot #03
Well: Dean Unit 2H
Wellbore: Dean Unit 2H PWB



Grid System: NAD83 / UTM Zone 17 North, US Feet	
True vertical depths are referenced to PD 525 (RKB)	
Measured depths are referenced to PD 525 (RKB)	
PD 525 (RKB) to Mean Sea Level: 831 feet	
Mean Sea Level to Mud line (At Slot, Slot #03): -812 feet	
Coordinates are in feet referenced to Slot	
Created by: ehsuper on 2016-08-16	
Databases: WA, MEI, EASTERN, DBH	

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Weigle East Pad	1881952.790	14331721.120	80°51'10.177"W
Slot #03	27.99	-10.43	
Local N (ft)	Local E (ft)	Grid North (US ft)	Longitude
1881942.380	14331749.040	39°27'58.680"N	80°51'10.310"W
Comment:	Dean Unit 2H		
PD 525 (RKB) to Mud line (At Slot, Slot #03):	19ft		
Mean Sea Level to Mud line (At Slot, Slot #03):	-812ft		
PD 525 (RKB) to Mean Sea Level:	831ft		

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #03	Dean Unit 2H	Dean Unit 2H AWB	Dean Unit 2H PWB
Slot #03	Dean Unit 2H	Dean Unit 2H PWB	Dean Unit 2H PWB Rev-A.0

Gyrodatta MS Gyro <8-3/4"> (100°-56'11") : 0.26° Inc. 100.00ft MD, 100.00ft TVD, -0.10ft VS

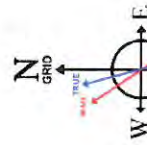
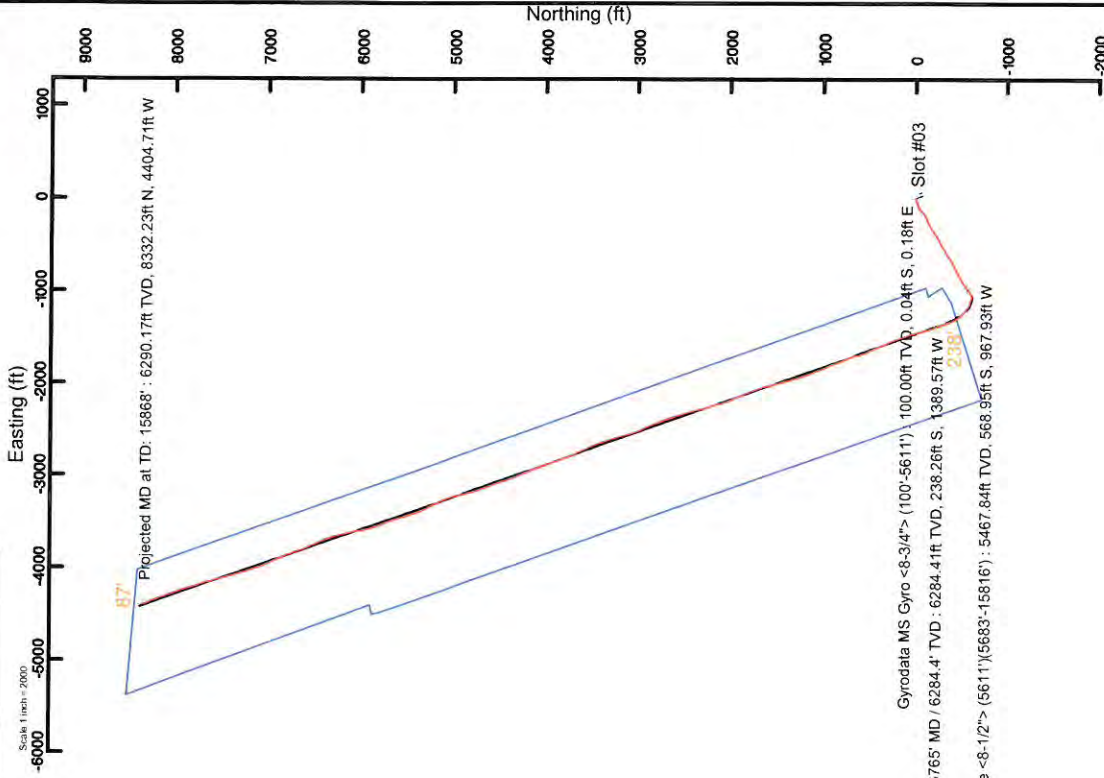
API: 47-095-02347-0000

BHI Job #: 8108043

Rig: Precision 525

Duration: 8/17/2016-8/21/2016

True Vertical Depth (ft)



BHI AT Curve <8-1/2"> (56'11") (5663'-15816') : 24.65° Inc. 5683.00ft MD, 5467.84ft TVD, -213.60ft VS

Marcellus: 6765' MD / 6284.4' TVD : 73.41° Inc. 6765.00ft MD, 6284.41ft TVD, 238.77ft VS

Projected MD at TD: 15868' : 90.25° Inc. 15868.00ft MD, 6290.17ft TVD, 9324.15ft VS



Scale 1 inch = 1500



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet		
North Reference	Grid	Software System	WellArchitect® 5.0
Scale	0.999602	User	Edsaryar
Convergence at slot	0.10° East	Report Generated	9/16/2016 at 1:35:15 PM
		Database/Source file	WA_MPL_EASTERNUS Defn/Dean_Unit_2H_AWP_Proj_15868_.xml

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Northing[US ft]	Latitude	Longitude	
Slot Location	27.93	-10.43	14331749.04	39°27'58.680"N	80°51'10.310"W	
Facility Reference Pt			14331721.12	39°27'58.404"N	80°51'10.177"W	
Field Reference Pt			0.00	0°00'00.000"	85°29'19.301"W	

WELLPATH DATUM	
Calculation method	PD 525 (RKB) to Facility Vertical Datum
Horizontal Reference Pt	PD 525 (RKB) to Mean Sea Level
Vertical Reference Pt	PD 525 (RKB) to Mud Line at Slot (Slot #03)
MD Reference Pt	Section Origin
Field Vertical Reference	Section Azimuth
	19.00ft
	831.00ft
	19.00ft
	N 0.00, E 0.00 ft
	340.52°



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Dean Unit 2H AWP Proj: 15868'
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Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

WELLPATH DATA (191 stations) † = interpolated/extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dist (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
0.00	0.00	103.660	0.00	0.00	0.00	0.00	1681942.36	14331749.04	39°27'58.680"N	80°51'10.310"W	0.00	0.000	0.00	0.00	0.00	
19.00	0.00	103.660	19.00	0.00	0.00	0.00	1681942.36	14331749.04	39°27'58.680"N	80°51'10.310"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.260	103.660	100.00	-0.10	-0.04	0.18	1681942.54	14331749.00	39°27'58.680"N	80°51'10.308"W	0.18	103.660	0.32	0.32	127.98	Syrodata MS Gyro <8-3/4"> (100'-561'1")
200.00	0.190	111.930	200.00	-0.33	-0.16	0.55	1681942.91	14331748.88	39°27'58.678"N	80°51'10.303"W	0.58	106.036	0.08	-0.07	8.27	
300.00	0.120	104.320	300.00	-0.50	-0.25	0.81	1681943.17	14331748.79	39°27'58.678"N	80°51'10.300"W	0.84	106.978	0.07	-0.07	-7.61	
400.00	0.130	116.180	400.00	-0.64	-0.32	1.01	1681943.37	14331748.72	39°27'58.677"N	80°51'10.297"W	1.06	107.695	0.03	0.01	11.86	
500.00	0.120	117.720	500.00	-0.80	-0.42	1.21	1681943.57	14331748.62	39°27'58.676"N	80°51'10.295"W	1.28	109.264	0.01	-0.01	1.54	
600.00	0.480	308.690	600.00	-0.53	-0.22	0.96	1681943.32	14331748.82	39°27'58.678"N	80°51'10.298"W	0.99	102.866	0.60	0.36	-171.03	
700.00	0.900	298.330	699.99	0.40	0.40	-0.06	1681942.30	14331749.44	39°27'58.684"N	80°51'10.311"W	0.41	350.915	0.43	0.42	-8.36	
800.00	2.340	260.190	799.95	1.33	0.43	-2.77	1681939.59	14331749.47	39°27'58.684"N	80°51'10.345"W	2.80	278.790	1.72	1.44	-38.14	
900.00	3.880	251.620	899.80	1.73	-0.99	-7.99	1681934.37	14331748.05	39°27'58.670"N	80°51'10.412"W	8.05	262.960	1.60	1.54	-8.57	
1000.00	5.860	248.190	999.43	1.59	-3.95	-15.94	1681926.43	14331745.09	39°27'58.641"N	80°51'10.513"W	16.42	256.081	2.00	1.98	-3.43	
1100.00	6.800	241.420	1098.82	0.45	-8.68	-25.88	1681916.49	14331740.36	39°27'58.595"N	80°51'10.640"W	27.30	251.460	1.20	0.94	-6.77	
1200.00	6.780	244.890	1198.12	-1.07	-14.02	-36.42	1681905.95	14331735.03	39°27'58.542"N	80°51'10.775"W	39.03	248.952	0.41	-0.02	3.47	
1300.00	7.500	254.960	1297.35	-1.14	-18.22	-48.07	1681894.31	14331730.83	39°27'58.501"N	80°51'10.923"W	51.41	249.248	1.44	0.72	10.07	
1400.00	7.480	254.190	1396.50	-0.22	-21.68	-60.64	1681881.75	14331727.37	39°27'58.467"N	80°51'11.084"W	64.40	250.325	0.10	-0.02	-0.77	
1500.00	5.980	253.840	1495.81	0.50	-24.91	-71.90	1681870.48	14331724.14	39°27'58.435"N	80°51'11.227"W	76.10	250.895	1.50	-1.50	-0.35	
1600.00	4.660	241.600	1595.38	0.17	-28.29	-80.48	1681861.91	14331720.76	39°27'58.402"N	80°51'11.337"W	85.31	250.635	1.73	-1.32	-12.24	
1700.00	4.040	231.340	1695.09	-1.62	-32.42	-86.81	1681855.59	14331716.63	39°27'58.361"N	80°51'11.417"W	92.66	249.520	0.99	-0.62	-10.26	
1800.00	4.550	253.690	1794.82	-2.55	-35.74	-93.36	1681849.03	14331713.32	39°27'58.328"N	80°51'11.501"W	99.97	249.056	1.74	0.51	22.35	
1900.00	4.010	256.210	1894.54	-1.99	-37.68	-100.57	1681841.83	14331711.37	39°27'58.309"N	80°51'11.593"W	107.39	249.459	0.57	-0.54	2.52	
2000.00	1.540	281.380	1994.41	-0.95	-38.25	-105.28	1681837.12	14331710.80	39°27'58.304"N	80°51'11.663"W	112.01	250.033	2.70	-2.47	25.17	
2100.00	0.930	310.530	2094.39	0.44	-37.46	-107.21	1681835.19	14331711.60	39°27'58.312"N	80°51'11.678"W	113.57	250.742	0.86	-0.61	29.15	
2200.00	1.580	61.010	2194.38	1.37	-36.26	-106.63	1681835.78	14331712.79	39°27'58.323"N	80°51'11.670"W	112.62	251.217	2.10	0.65	110.48	
2300.00	0.710	95.220	2294.36	1.34	-35.65	-104.80	1681837.60	14331713.40	39°27'58.329"N	80°51'11.647"W	110.70	251.213	1.07	-0.87	34.21	
2400.00	1.090	194.140	2394.35	0.29	-36.63	-104.42	1681837.98	14331712.43	39°27'58.320"N	80°51'11.642"W	110.66	250.669	1.39	0.38	98.92	
2500.00	0.370	25.290	2494.34	-0.27	-37.26	-104.51	1681837.89	14331711.79	39°27'58.313"N	80°51'11.643"W	110.96	250.378	1.45	-0.72	-168.85	
2600.00	1.660	13.490	2594.33	1.17	-35.56	-104.04	1681838.37	14331713.49	39°27'58.330"N	80°51'11.637"W	109.95	251.130	1.30	1.29	-11.80	
2700.00	0.890	292.940	2694.31	2.91	-33.85	-104.41	1681837.99	14331715.21	39°27'58.347"N	80°51'11.642"W	109.76	252.039	1.75	-0.77	-80.55	
2800.00	2.350	244.740	2794.27	3.23	-34.42	-106.98	1681835.42	14331714.63	39°27'58.342"N	80°51'11.675"W	112.38	252.165	1.88	1.46	-48.20	



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

WELLPATH DATA (191 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
2900.00	4.820	225.320	2894.07	1.23	-38.25	111.83	1681830.58	14331710.81	39°27'58.304"N	80°51'11.737"W	118.19	251.117	2.72	2.47	-19.42	
3000.00	7.390	216.060	2993.49	-4.20	-46.40	118.60	1681823.81	14331702.65	39°27'58.223"N	80°51'11.823"W	127.36	248.631	2.74	2.57	-9.26	
3100.00	9.240	220.440	3092.44	-11.86	-57.72	127.59	1681814.82	14331691.35	39°27'58.112"N	80°51'11.938"W	140.04	245.661	1.95	1.85	4.38	
3200.00	10.690	225.060	3190.93	-19.87	-70.38	139.37	1681803.05	14331678.69	39°27'57.987"N	80°51'12.088"W	156.13	243.207	1.65	1.45	4.62	
3300.00	12.430	233.090	3288.90	-27.09	-83.39	154.54	1681787.88	14331665.68	39°27'57.858"N	80°51'12.282"W	175.61	241.647	2.37	1.74	8.03	
3400.00	13.770	234.420	3386.30	-33.61	-96.78	172.83	1681769.60	14331652.30	39°27'57.726"N	80°51'12.516"W	198.08	240.751	1.37	1.34	1.33	
3500.00	14.790	241.230	3483.22	-38.97	-109.85	193.70	1681748.74	14331639.23	39°27'57.597"N	80°51'12.782"W	222.68	240.441	1.96	1.02	6.81	
3600.00	16.210	250.100	3579.59	-41.11	-120.72	218.02	1681724.43	14331628.36	39°27'57.490"N	80°51'13.092"W	249.21	241.026	2.78	1.42	8.98	
3700.00	19.820	248.940	3674.67	-41.65	-131.54	246.99	1681695.47	14331617.55	39°27'57.384"N	80°51'13.462"W	279.83	241.960	3.63	3.61	-1.27	
3800.00	23.050	241.660	3767.76	-45.13	-146.94	280.05	1681662.42	14331602.16	39°27'57.232"N	80°51'13.884"W	316.26	242.315	4.18	3.23	-7.28	
3900.00	26.060	238.030	3858.71	-52.90	-167.87	315.93	1681626.56	14331581.24	39°27'57.026"N	80°51'14.342"W	357.76	242.016	3.37	3.01	-3.63	
4000.00	24.270	232.490	3949.23	-64.02	-192.02	350.87	1681591.63	14331557.10	39°27'56.788"N	80°51'14.788"W	399.98	241.310	2.96	-1.79	-5.54	
4100.00	23.030	232.460	4040.83	-76.44	-216.45	382.69	1681559.83	14331532.68	39°27'56.547"N	80°51'15.194"W	439.66	240.507	1.24	-1.24	-0.03	
4200.00	24.640	239.800	4132.32	-86.39	-238.86	416.22	1681526.30	14331510.28	39°27'56.326"N	80°51'15.622"W	479.89	240.149	3.37	1.61	7.34	
4300.00	27.520	243.670	4222.13	-93.02	-259.60	454.96	1681487.59	14331489.54	39°27'56.122"N	80°51'16.116"W	523.81	240.291	3.34	2.88	3.87	
4400.00	27.460	239.790	4310.85	-100.07	-281.45	495.59	1681446.97	14331467.70	39°27'55.906"N	80°51'16.635"W	569.93	240.407	1.79	-0.06	-3.88	
4500.00	25.840	236.360	4400.23	-109.70	-305.13	533.66	1681408.91	14331444.04	39°27'55.673"N	80°51'17.121"W	614.73	240.241	2.23	-1.62	-3.43	
4600.00	27.210	241.000	4489.71	-118.81	-328.29	571.81	1681370.78	14331420.88	39°27'55.445"N	80°51'17.608"W	659.35	240.139	2.48	1.37	4.64	
4700.00	25.520	236.590	4579.31	-127.78	-351.24	609.79	1681332.81	14331397.94	39°27'55.218"N	80°51'18.092"W	703.71	240.058	2.59	-1.69	-4.41	
4800.00	23.580	233.420	4670.27	-138.85	-375.02	643.94	1681298.78	14331374.17	39°27'54.984"N	80°51'18.527"W	745.10	239.780	2.34	-1.94	-3.17	
4900.00	24.170	239.600	4761.73	-148.61	-397.30	677.57	1681265.07	14331351.90	39°27'54.764"N	80°51'18.957"W	785.46	239.614	2.57	0.59	6.18	
5000.00	25.130	241.840	4852.62	-155.69	-417.68	713.95	1681228.70	14331331.52	39°27'54.563"N	80°51'19.422"W	827.15	239.671	1.34	0.96	2.24	
5100.00	27.260	243.810	4942.34	-161.57	-437.82	753.22	1681189.44	14331311.40	39°27'54.365"N	80°51'19.923"W	871.22	239.832	2.30	2.13	1.97	
5200.00	26.890	242.420	5031.39	-167.43	-458.39	793.82	1681148.86	14331290.83	39°27'54.162"N	80°51'20.441"W	916.66	239.995	0.73	-0.37	-1.39	
5300.00	26.970	240.760	5120.54	-174.46	-479.94	833.65	1681109.05	14331269.29	39°27'53.950"N	80°51'20.949"W	961.93	240.070	0.76	0.08	-1.66	
5400.00	25.890	239.100	5210.09	-182.63	-502.23	872.17	1681070.54	14331247.01	39°27'53.730"N	80°51'21.441"W	1006.44	240.065	1.31	-1.08	-1.66	
5500.00	24.440	236.350	5300.60	-192.02	-524.91	908.13	1681034.60	14331224.34	39°27'53.507"N	80°51'21.900"W	1048.91	239.972	1.86	-1.45	-2.75	
5600.00	23.380	231.980	5392.03	-203.39	-548.59	940.98	1681001.75	14331200.67	39°27'53.273"N	80°51'22.319"W	1089.22	239.758	2.06	-1.06	-4.37	
5611.00	23.540	232.450	5402.12	-204.77	-551.28	944.44	1680998.29	14331197.98	39°27'53.247"N	80°51'22.363"W	1093.56	239.728	2.24	1.45	4.27	
5683.00	24.650	233.600	5467.84	-213.60	-568.95	967.93	1680974.82	14331180.32	39°27'53.072"N	80°51'22.663"W	1122.76	239.553	1.67	1.54	1.60	BHI AT Curve <8-1/2"> (5611)\(5683'-15816')



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
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Facility	Weigle East Pad		

WELLPATH DATA (191 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)	
5771.00	24.860	229.330	5547.76	-225.63	-591.90	-996.73	1680946.03	14331157.38	39°27'52.846"N	80°51'23.031"W	1159.23	239.297	2.05	0.24	-4.85	
5816.00	23.362	232.510	5588.84	-231.81	-603.49	-1010.99	1680931.78	14331145.79	39°27'52.732"N	80°51'23.213"W	1177.41	239.166	4.41	-3.33	7.07	
5861.00	23.380	244.230	5630.17	-235.54	-612.81	-1026.11	1680916.66	14331136.48	39°27'52.640"N	80°51'23.406"W	1195.18	239.154	10.32	0.04	26.04	
5906.00	23.320	257.330	5671.51	-235.47	-618.65	-1042.86	1680899.92	14331130.64	39°27'52.582"N	80°51'23.620"W	1212.55	239.323	11.52	-0.13	29.11	
5950.00	23.300	269.990	5711.94	-231.53	-620.56	-1060.07	1680882.72	14331128.73	39°27'52.564"N	80°51'23.839"W	1228.35	239.655	11.37	-0.05	28.77	
5995.00	23.410	281.050	5753.28	-224.02	-618.85	-1077.75	1680865.04	14331130.44	39°27'52.581"N	80°51'24.064"W	1242.79	240.135	9.73	0.24	24.58	
6040.00	25.060	287.150	5794.32	-213.79	-614.32	-1095.63	1680847.17	14331134.96	39°27'52.626"N	80°51'24.292"W	1256.11	240.721	6.66	3.67	13.56	
6085.00	26.300	290.100	5834.87	-201.75	-608.09	-1114.10	1680828.70	14331141.20	39°27'52.688"N	80°51'24.528"W	1269.25	241.374	3.96	2.76	6.56	
6130.00	29.170	293.390	5874.70	-187.94	-600.31	-1133.54	1680809.28	14331148.97	39°27'52.765"N	80°51'24.775"W	1282.68	242.095	7.22	6.38	7.29	
6174.00	29.650	297.780	5913.04	-172.65	-590.98	-1153.01	1680789.81	14331158.30	39°27'52.857"N	80°51'25.023"W	1295.64	242.862	5.03	1.09	10.00	
6219.00	30.670	300.550	5951.94	-155.67	-579.96	-1172.74	1680770.09	14331169.32	39°27'52.967"N	80°51'25.275"W	1308.31	243.686	3.83	2.27	6.16	Sycamore: 6219' MD / 5951.9' TVD
6263.00	33.390	304.550	5989.25	-137.27	-567.38	-1192.39	1680750.45	14331181.89	39°27'53.091"N	80°51'25.525"W	1320.49	244.563	7.84	6.18	9.09	
6308.00	35.990	308.360	6026.25	-116.05	-552.15	-1212.96	1680729.89	14331197.11	39°27'53.242"N	80°51'25.787"W	1332.72	245.525	7.52	5.78	8.47	
6353.00	39.770	314.440	6061.77	-91.91	-533.85	-1233.62	1680709.24	14331215.40	39°27'53.423"N	80°51'26.050"W	1344.18	246.599	11.80	8.40	13.51	
6398.00	41.950	317.280	6095.81	-65.16	-512.72	-1254.10	1680688.76	14331236.52	39°27'53.632"N	80°51'26.311"W	1354.86	247.764	6.36	4.84	6.31	
6437.00†	44.578	320.423	6124.21	-40.32	-492.59	-1271.67	1680671.20	14331255.65	39°27'53.832"N	80°51'26.534"W	1363.74	248.826	8.71	6.74	8.06	Middlesex: 6437' MD / 6124.2' TVD
6483.00	49.430	325.880	6158.36	-5.50	-463.40	-1293.55	1680649.32	14331285.83	39°27'54.121"N	80°51'26.813"W	1374.05	250.291	13.09	10.09	11.36	
6532.00	54.300	331.450	6186.15	29.12	-433.16	-1311.89	1680630.99	14331316.05	39°27'54.420"N	80°51'27.046"W	1381.56	251.728	14.55	10.82	12.38	
6577.00	58.550	335.170	6211.04	66.30	-399.67	-1328.70	1680614.19	14331349.53	39°27'54.751"N	80°51'27.260"W	1387.51	253.259	11.69	9.44	8.27	
6592.00†	60.190	336.378	6218.68	79.16	-387.90	-1333.99	1680608.90	14331369.29	39°27'54.867"N	80°51'27.327"W	1389.25	253.787	12.94	10.93	8.05	Burkett: 6592' MD / 6218.7' TVD
6622.00	63.500	338.680	6232.84	105.57	-363.46	-1344.09	1680598.81	14331385.72	39°27'55.109"N	80°51'27.455"W	1392.37	254.868	12.94	11.03	7.67	
6645.00†	65.641	339.153	6242.71	126.33	-344.08	-1351.56	1680591.34	14331405.10	39°27'55.301"N	80°51'27.550"W	1394.67	255.717	9.49	9.31	2.06	Tully: 6645' MD / 6242.7' TVD
6667.00	67.690	339.590	6251.43	146.53	-325.18	-1358.68	1680584.22	14331423.99	39°27'55.488"N	80°51'27.640"W	1397.05	256.540	9.49	9.31	1.99	
6711.00	70.000	340.290	6267.31	187.56	-286.63	-1372.75	1680570.16	14331462.52	39°27'55.869"N	80°51'27.819"W	1402.36	258.206	5.46	5.25	1.59	
6756.00	72.500	341.190	6281.77	230.16	-246.41	-1386.80	1680556.11	14331502.73	39°27'56.267"N	80°51'27.997"W	1408.52	259.925	5.87	5.56	2.00	
6765.00†	73.412	341.318	6284.41	238.77	-238.26	-1389.57	1680553.35	14331510.87	39°27'56.347"N	80°51'28.033"W	1409.85	260.270	10.22	10.13	1.43	Marcellus: 6765' MD / 6284.4' TVD
6801.00	77.060	341.820	6293.58	273.57	-205.24	-1400.57	1680542.35	14331543.88	39°27'56.674"N	80°51'28.172"W	1415.53	261.663	10.22	10.13	1.39	
6846.00	81.540	342.940	6301.93	317.75	-163.11	-1413.95	1680528.98	14331586.00	39°27'57.090"N	80°51'28.342"W	1423.33	263.420	10.25	9.96	2.49	
6892.00	86.270	343.400	6306.82	363.43	-119.34	-1427.19	1680515.74	14331629.75	39°27'57.523"N	80°51'28.510"W	1432.17	265.220	10.33	10.28	1.00	



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

WELLPATH DATA (191 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
6937.00	89.910	343.430	6308.32	408.34	-76.24	-1440.02	1680502.91	14331672.83	39°27'57.949"N	80°51'28.673"W	1442.04	266.969	8.09	8.09	0.07	
7026.00	89.970	344.460	6308.41	497.18	9.28	-1464.64	1680478.31	14331758.32	39°27'58.795"N	80°51'28.985"W	1464.67	270.363	1.16	0.07	1.16	
7116.00	90.120	341.250	6308.34	587.09	95.27	-1491.17	1680451.79	14331844.28	39°27'59.645"N	80°51'29.321"W	1494.21	273.656	3.57	0.17	-3.57	
7206.00	90.030	339.650	6308.22	677.09	180.08	-1521.28	1680421.69	14331929.05	39°28'00.484"N	80°51'29.704"W	1531.90	276.751	1.78	-0.10	-1.78	
7295.00	90.000	338.000	6308.20	766.05	263.07	-1553.43	1680389.55	14332012.01	39°28'01.305"N	80°51'30.112"W	1575.55	279.612	1.85	-0.03	-1.85	
7385.00	90.580	337.470	6307.74	855.94	346.36	-1587.53	1680355.47	14332095.26	39°28'02.128"N	80°51'30.545"W	1624.87	282.308	0.87	0.64	-0.59	
7474.00	89.910	337.360	6307.36	944.81	428.53	-1621.71	1680321.30	14332177.40	39°28'02.941"N	80°51'30.979"W	1677.37	284.802	0.76	-0.75	-0.12	
7564.00	89.780	336.280	6307.61	1034.62	511.26	-1657.13	1680285.89	14332260.10	39°28'03.759"N	80°51'31.429"W	1734.21	287.146	1.21	-0.14	-1.20	
7654.00	91.970	342.750	6306.23	1124.54	595.51	-1688.61	1680254.43	14332344.32	39°28'04.592"N	80°51'31.829"W	1790.54	289.426	7.59	2.43	7.19	
7743.00	91.970	342.740	6303.17	1213.42	680.46	-1714.99	1680228.05	14332429.23	39°28'05.432"N	80°51'32.164"W	1845.05	291.642	0.01	0.00	-0.01	
7833.00	90.580	336.250	6301.17	1303.33	764.68	-1746.51	1680196.55	14332513.42	39°28'06.265"N	80°51'32.564"W	1906.58	293.645	7.39	-1.54	-7.23	
7923.00	91.320	339.470	6299.67	1393.21	848.02	-1780.43	1680162.64	14332596.72	39°28'07.089"N	80°51'32.985"W	1972.07	295.468	3.69	0.82	3.60	
8012.00	89.720	338.930	6298.86	1482.18	931.21	-1812.04	1680131.05	14332679.88	39°28'07.912"N	80°51'33.396"W	2037.31	297.199	1.90	-1.80	-0.61	
8102.00	90.800	337.300	6298.46	1572.09	1014.72	-1845.58	1680097.52	14332763.35	39°28'08.738"N	80°51'33.822"W	2106.14	298.802	2.17	1.20	-1.81	
8192.00	89.380	336.300	6298.32	1661.90	1097.44	-1881.03	1680062.08	14332846.04	39°28'09.566"N	80°51'34.272"W	2177.76	300.260	1.93	-1.58	-1.11	
8281.00	89.290	339.150	6299.35	1750.78	1179.78	-1914.76	1680028.36	14332928.35	39°28'10.370"N	80°51'34.701"W	2249.04	301.639	3.20	-0.10	3.20	
8371.00	90.400	344.780	6299.59	1840.71	1265.32	-1942.62	1680000.52	14333013.86	39°28'11.216"N	80°51'35.054"W	2318.36	303.078	6.38	1.23	6.26	
8461.00	90.490	344.980	6298.89	1930.45	1352.20	-1966.09	1679977.06	14333100.70	39°28'12.075"N	80°51'35.352"W	2386.20	304.519	0.24	0.10	0.22	
8550.00	90.370	344.490	6298.23	2019.21	1438.06	-1989.52	1679953.63	14333186.53	39°28'12.924"N	80°51'35.649"W	2454.84	305.860	0.57	-0.13	-0.55	
8640.00	90.340	345.460	6297.67	2108.93	1524.98	-2012.85	1679930.31	14333273.41	39°28'13.784"N	80°51'35.945"W	2525.30	307.148	1.08	-0.03	1.08	
8730.00	90.550	344.440	6296.97	2198.66	1611.89	-2036.22	1679906.95	14333360.29	39°28'14.643"N	80°51'36.241"W	2597.00	308.365	1.16	0.23	-1.13	
8819.00	91.290	340.280	6295.54	2287.58	1696.68	-2063.18	1679880.00	14333445.04	39°28'15.481"N	80°51'36.583"W	2671.22	309.432	4.75	0.83	-4.67	
8909.00	90.000	337.520	6294.53	2377.53	1780.63	-2095.58	1679847.62	14333528.95	39°28'16.312"N	80°51'36.995"W	2749.92	310.355	3.38	-1.43	-3.07	
8999.00	89.480	336.720	6294.93	2467.37	1863.54	-2130.57	1679812.65	14333611.84	39°28'17.132"N	80°51'37.439"W	2830.57	311.175	1.06	-0.58	-0.89	
9089.00	89.260	338.410	6295.91	2556.24	1945.80	-2164.53	1679778.70	14333694.06	39°28'17.945"N	80°51'37.871"W	2910.55	311.954	1.91	-0.25	1.90	
9178.00	89.080	340.800	6297.22	2646.21	2030.14	-2195.89	1679747.35	14333778.37	39°28'18.779"N	80°51'38.269"W	2990.55	312.754	2.66	-0.20	2.66	
9267.00	89.080	341.730	6298.65	2735.19	2114.42	-2224.47	1679718.78	14333862.61	39°28'19.613"N	80°51'38.632"W	3069.04	313.547	1.04	0.00	1.04	
9357.00	88.980	342.560	6300.17	2825.14	2200.07	-2252.06	1679691.20	14333948.23	39°28'20.460"N	80°51'38.982"W	3148.35	314.331	0.93	-0.11	0.92	
9447.00	89.450	344.640	6301.40	2915.00	2286.39	-2277.47	1679665.80	14334034.52	39°28'21.313"N	80°51'39.304"W	3227.14	315.112	2.37	0.52	2.31	
9536.00	90.250	345.210	6301.64	3003.74	2372.33	-2300.61	1679642.67	14334120.42	39°28'22.163"N	80°51'39.597"W	3304.66	315.879	1.10	0.90	0.64	



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

WELLPATH DATA (191 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 (°/100ft)	Comments
9626.00	89.780	344.100	6301.61	3093.50	2459.12	-2324.43	1679618.86	14334207.18	39°28'23.021"N	80°51'39.899"W	3383.82	316.613	1.34	-0.52	-1.23	
9716.00	89.720	344.100	6302.00	3183.32	2545.67	-2349.09	1679594.21	14334293.70	39°28'23.877"N	80°51'40.212"W	3463.91	317.300	0.07	-0.07	0.00	
9806.00	90.220	342.710	6302.05	3273.21	2631.92	-2374.79	1679568.52	14334379.91	39°28'24.730"N	80°51'40.538"W	3544.95	317.940	1.64	0.56	-1.54	
9895.00	89.630	338.560	6302.17	3362.19	2715.87	-2404.30	1679539.03	14334463.82	39°28'25.560"N	80°51'40.913"W	3627.20	318.482	4.71	-0.66	-4.66	
9985.00	89.420	335.880	6302.91	3452.03	2798.84	-2439.14	1679504.20	14334546.76	39°28'26.380"N	80°51'41.356"W	3712.53	318.928	2.99	-0.23	-2.98	
10075.00	89.420	335.570	6303.83	3541.71	2880.88	-2476.14	1679467.21	14334628.76	39°28'27.192"N	80°51'41.826"W	3798.78	319.321	0.34	0.00	-0.34	
10164.00	88.740	337.290	6305.25	3630.46	2962.44	-2511.72	1679431.65	14334710.29	39°28'27.998"N	80°51'42.278"W	3883.91	319.707	2.08	-0.76	1.93	
10254.00	89.320	341.290	6306.78	3720.41	3046.59	-2543.53	1679399.84	14334794.41	39°28'28.830"N	80°51'42.682"W	3968.79	320.142	4.49	0.64	4.44	
10344.00	90.250	344.430	6307.12	3810.32	3132.58	-2570.05	1679373.33	14334880.37	39°28'29.681"N	80°51'43.018"W	4051.95	320.634	3.64	1.03	3.49	
10434.00	90.520	345.110	6306.51	3900.07	3219.42	-2593.70	1679349.70	14334967.17	39°28'30.539"N	80°51'43.318"W	4134.24	321.144	0.81	0.30	0.76	
10523.00	90.580	343.680	6305.66	3988.86	3305.13	-2617.64	1679325.77	14335052.85	39°28'31.387"N	80°51'43.622"W	4216.15	321.621	1.61	0.07	-1.61	
10613.00	89.820	340.200	6305.34	4078.82	3390.68	-2645.53	1679297.89	14335138.37	39°28'32.233"N	80°51'43.976"W	4300.65	322.037	3.96	-0.84	-3.87	
10703.00	90.620	336.340	6305.00	4168.73	3474.27	-2678.85	1679264.58	14335221.92	39°28'33.059"N	80°51'44.399"W	4387.12	322.366	4.38	0.89	-4.29	
10792.00	89.420	334.750	6304.97	4257.39	3565.28	-2715.69	1679227.76	14335302.90	39°28'33.861"N	80°51'44.867"W	4473.81	322.626	2.24	-1.35	-1.79	
10882.00	89.110	336.280	6306.12	4347.04	3637.18	-2752.99	1679190.48	14335384.77	39°28'34.671"N	80°51'45.341"W	4561.58	322.878	1.73	-0.34	1.70	
10972.00	89.080	338.090	6307.54	4436.87	3720.13	-2787.88	1679155.60	14335467.68	39°28'35.491"N	80°51'45.785"W	4648.83	323.152	2.01	-0.03	2.01	
11062.00	89.420	339.040	6308.72	4526.81	3803.89	-2820.77	1679122.72	14335551.41	39°28'36.319"N	80°51'46.203"W	4735.64	323.441	1.12	0.38	1.06	
11151.00	90.120	342.080	6309.08	4615.80	3887.81	-2850.38	1679093.12	14335635.29	39°28'37.149"N	80°51'46.579"W	4820.76	323.753	3.51	0.79	3.42	
11241.00	89.820	342.210	6309.13	4705.76	3973.47	-2877.98	1679065.53	14335720.92	39°28'37.996"N	80°51'46.929"W	4906.24	324.084	0.36	-0.33	0.14	
11331.00	90.060	339.150	6309.22	4795.75	4058.39	-2907.75	1679035.77	14335805.81	39°28'38.836"N	80°51'47.307"W	4992.55	324.379	3.41	0.27	-3.40	
11421.00	89.630	338.420	6309.46	4885.71	4142.29	-2940.32	1679003.22	14335889.68	39°28'39.666"N	80°51'47.721"W	5079.77	324.632	0.94	-0.48	-0.81	
11510.00	90.150	338.270	6309.63	4974.65	4225.01	-2973.16	1678970.39	14335972.36	39°28'40.484"N	80°51'48.138"W	5166.28	324.866	0.61	0.58	-0.17	
11600.00	89.940	335.560	6309.56	5064.46	4307.80	-3008.44	1678935.12	14336055.11	39°28'41.302"N	80°51'48.586"W	5254.32	325.071	3.02	-0.23	-3.01	
11690.00	89.940	339.910	6309.66	5154.33	4391.07	-3042.54	1678901.04	14336138.35	39°28'42.126"N	80°51'49.019"W	5342.14	325.282	4.83	0.00	4.83	
11779.00	89.970	342.980	6309.73	5243.31	4475.43	-3070.85	1678872.73	14336222.68	39°28'42.960"N	80°51'49.379"W	5427.67	325.544	3.45	0.03	3.45	
11869.00	89.970	339.460	6309.77	5333.29	4560.63	-3099.82	1678843.78	14336307.84	39°28'43.803"N	80°51'49.747"W	5514.36	325.796	3.91	0.00	-3.91	
11959.00	89.780	339.220	6309.97	5423.27	4644.84	-3131.58	1678812.03	14336392.02	39°28'44.635"N	80°51'50.150"W	5601.90	326.012	0.34	-0.21	-0.27	
12048.00	90.180	342.100	6310.00	5512.26	4728.81	-3161.05	1678782.58	14336475.95	39°28'45.466"N	80°51'50.524"W	5688.04	326.239	3.27	0.45	3.24	
12138.00	90.090	345.830	6309.79	5602.08	4815.29	-3185.90	1678757.73	14336562.40	39°28'46.321"N	80°51'50.840"W	5773.82	326.510	4.15	-0.10	4.14	
12228.00	90.220	346.420	6309.55	5691.65	4902.66	-3207.49	1678736.16	14336649.74	39°28'47.185"N	80°51'51.113"W	5858.67	326.806	0.67	0.14	0.66	



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

WELLPATH DATA (191 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
12317.00	90.220	343.340	6309.20	5780.38	4988.57	-3230.70	1678712.95	14336735.61	39°28'48.034"N	80°51'51.407"W	5943.34	327.072	3.46	0.00	-3.46	
12407.00	90.550	339.110	6308.60	5870.35	5073.76	-3259.66	1678684.01	14336820.77	39°28'48.877"N	80°51'51.775"W	6030.62	327.281	4.71	0.37	-4.70	
12497.00	90.490	336.520	6307.78	5960.24	5157.09	-3293.64	1678650.04	14336904.06	39°28'49.701"N	80°51'52.207"W	6119.12	327.435	2.88	-0.07	-2.88	
12587.00	90.650	334.130	6306.89	6049.86	5238.86	-3331.21	1678612.49	14336985.80	39°28'50.509"N	80°51'52.684"W	6208.27	327.549	2.66	0.18	-2.66	
12676.00	90.250	333.480	6306.19	6138.24	5318.71	-3370.49	1678573.22	14337065.63	39°28'50.299"N	80°51'53.184"W	6296.74	327.637	0.86	-0.45	-0.73	
12766.00	89.510	338.330	6306.38	6227.93	5400.85	-3407.22	1678536.50	14337147.73	39°28'52.111"N	80°51'53.651"W	6385.79	327.753	5.45	-0.82	5.39	
12856.00	90.400	344.370	6306.45	6317.87	5486.08	-3435.99	1678507.74	14337232.93	39°28'52.954"N	80°51'54.016"W	6473.26	327.941	6.78	0.99	6.71	
12945.00	90.430	349.570	6305.80	6406.66	5571.83	-3459.82	1678483.93	14337318.64	39°28'53.802"N	80°51'54.318"W	6558.63	328.162	0.23	0.03	0.22	
13035.00	90.800	339.210	6304.84	6496.60	5657.34	-3487.78	1678455.97	14337404.11	39°28'54.648"N	80°51'54.673"W	6646.06	328.346	5.97	0.41	-5.96	
13125.00	90.460	336.980	6303.85	6586.50	5740.83	-3521.35	1678422.41	14337487.57	39°28'55.473"N	80°51'55.100"W	6734.76	328.476	2.51	-0.38	-2.48	
13214.00	90.120	338.960	6303.40	6675.41	5823.32	-3554.73	1678389.05	14337570.03	39°28'56.289"N	80°51'55.524"W	6822.55	328.599	2.26	-0.38	2.22	
13304.00	89.690	345.060	6303.55	6765.34	5908.88	-3582.52	1678361.27	14337655.56	39°28'57.135"N	80°51'55.877"W	6910.09	328.772	6.79	-0.48	6.78	
13394.00	90.550	350.960	6303.36	6854.53	5996.88	-3601.21	1678342.59	14337743.52	39°28'58.005"N	80°51'56.113"W	6995.09	329.015	6.62	0.96	6.56	
13484.00	90.400	348.430	6302.61	6943.37	6085.42	-3617.30	1678326.50	14337832.02	39°28'58.880"N	80°51'56.317"W	7079.35	329.272	2.82	-0.17	-2.81	
13573.00	90.490	344.650	6301.92	7031.86	6171.95	-3638.02	1678305.80	14337918.53	39°28'59.736"N	80°51'56.580"W	7164.37	329.483	4.25	0.10	-4.25	
13663.00	90.460	345.330	6301.17	7121.58	6258.88	-3661.32	1678282.50	14338005.42	39°29'00.595"N	80°51'56.875"W	7251.13	329.673	0.76	-0.03	0.76	
13753.00	90.370	340.210	6300.52	7211.48	6344.81	-3687.97	1678255.86	14338091.31	39°29'01.445"N	80°51'57.213"W	7338.79	329.832	5.69	-0.10	-5.69	
13842.00	90.490	334.450	6299.85	7300.30	6426.90	-3722.26	1678221.59	14338173.37	39°29'02.257"N	80°51'57.649"W	7426.99	329.922	6.47	0.13	-6.47	
13932.00	90.400	336.610	6299.15	7389.95	6508.81	-3759.54	1678184.33	14338255.24	39°29'03.067"N	80°51'58.123"W	7516.56	329.989	2.40	-0.10	2.40	
14022.00	90.280	338.320	6298.62	7479.82	6591.93	-3794.03	1678149.85	14338338.33	39°29'03.889"N	80°51'58.561"W	7605.80	330.077	1.90	-0.13	1.90	
14112.00	91.110	338.820	6297.53	7569.78	6675.98	-3826.17	1678117.72	14338422.35	39°29'04.720"N	80°51'58.970"W	7694.70	330.182	1.90	0.92	1.67	
14201.00	90.400	339.400	6296.35	7658.76	6759.40	-3857.18	1678086.72	14338505.73	39°29'05.545"N	80°51'59.364"W	7782.50	330.289	0.93	-0.80	-0.47	
14291.00	90.090	336.980	6295.97	7748.68	6842.95	-3890.61	1678053.30	14338589.25	39°29'06.371"N	80°51'59.788"W	7871.65	330.379	2.71	-0.34	-2.69	
14381.00	90.150	334.190	6295.78	7838.34	6924.89	-3927.81	1678016.12	14338671.16	39°29'07.182"N	80°52'00.261"W	7961.27	330.438	3.10	0.07	-3.10	
14470.00	90.120	338.620	6295.57	7927.08	7006.43	-3963.43	1677980.52	14338752.67	39°29'07.988"N	80°52'00.714"W	8049.77	330.504	4.98	-0.03	4.98	
14560.00	90.280	340.910	6295.26	8017.07	7090.87	-3994.55	1677949.41	14338837.07	39°29'08.823"N	80°52'01.109"W	8138.60	330.606	2.55	0.18	2.54	
14650.00	90.180	341.010	6294.90	8107.07	7175.95	-4023.91	1677920.06	14338922.12	39°29'09.664"N	80°52'01.482"W	8227.15	330.718	0.16	-0.11	0.11	
14739.00	90.180	342.030	6294.62	8196.05	7260.35	-4052.12	1677891.86	14339006.49	39°29'10.499"N	80°52'01.840"W	8314.59	330.833	1.15	0.00	1.15	
14829.00	90.180	343.740	6294.33	8285.97	7346.37	-4078.61	1677865.38	14339092.47	39°29'11.350"N	80°52'02.177"W	8402.63	330.962	1.90	0.00	1.90	
14919.00	90.180	344.880	6294.05	8375.77	7433.01	-4102.95	1677841.05	14339179.08	39°29'12.206"N	80°52'02.485"W	8490.22	331.102	1.27	0.00	1.27	



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot #03
Area	Tyler County, WV	Dean Unit 2H
Field	Tyler	Dean Unit 2H AWB
Facility	Weigle East Pad	

WELLPATH DATA (191 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
15008.00	90.250	343.720	6293.72	8464.58	7518.69	-4127.03	1677816.98	14339264.72	39°29'13.053"N	80°52'02.791"W	8576.89	331.237	1.31	0.08	-1.30	
15098.00	90.370	342.960	6293.23	8554.46	7604.91	-4152.83	1677791.19	14339390.91	39°29'13.906"N	80°52'03.118"W	8664.91	331.362	0.85	0.13	-0.84	
15188.00	90.150	342.680	6292.82	8644.39	7690.89	-4179.41	1677764.62	14339436.85	39°29'14.756"N	80°52'03.456"W	8753.13	331.479	0.40	-0.24	-0.31	
15277.00	90.220	342.280	6292.53	8733.34	7775.76	-4206.21	1677737.84	14339521.69	39°29'15.595"N	80°52'03.796"W	8840.51	331.589	0.46	0.08	-0.45	
15367.00	90.150	342.370	6292.24	8823.29	7861.51	-4233.53	1677710.52	14339607.41	39°29'16.443"N	80°52'04.143"W	8928.95	331.697	0.13	-0.08	0.10	
15457.00	90.340	340.920	6291.86	8913.27	7946.93	-4261.87	1677682.19	14339692.79	39°29'17.288"N	80°52'04.503"W	9017.61	331.796	1.62	0.21	-1.61	
15547.00	90.370	339.930	6291.30	9003.27	8031.73	-4292.03	1677652.05	14339777.55	39°29'18.126"N	80°52'04.886"W	9106.60	331.881	1.10	0.03	-1.10	
15636.00	90.120	339.960	6290.92	9092.26	8115.33	-4322.55	1677621.54	14339861.12	39°29'18.953"N	80°52'05.274"W	9194.72	331.958	0.28	-0.28	0.03	
15726.00	90.150	340.770	6290.71	9182.26	8200.09	-4352.79	1677591.31	14339945.85	39°29'19.791"N	80°52'05.658"W	9283.77	332.040	0.90	0.03	0.90	
15816.00	90.250	337.520	6290.39	9272.22	8284.19	-4384.82	1677559.29	14340029.91	39°29'20.623"N	80°52'06.065"W	9373.07	332.108	3.61	0.11	-3.61	
15868.00	90.250	337.520	6290.17	9324.15	8332.23	-4404.71	1677539.42	14340077.94	39°29'21.098"N	80°52'06.317"W	9424.84	332.138	0.00	0.00	0.00	Projected MD at TD: 15868'

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Dean Unit 2H POE Rev-2	6279.00	-264.62	-1376.93	1680565.98	14331484.53	39°27'56.086"N	80°51'27.872"W	point
Dean Unit 2H BHL Rev-2	6306.00	8361.90	-4428.31	1677515.82	14340107.59	39°29'21.392"N	80°52'06.618"W	point
Dean Unit 2H LP Rev-2	6306.00	-115.39	-1429.72	1680513.22	14331633.69	39°27'57.562"N	80°51'28.542"W	point



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

WELLPATH COMPOSITION - Ref Wellbore: Dean Unit 2H AWB Ref Wellpath: Dean Unit 2H AWP Proj: 15868'

Start MD	End MD	Positional Uncertainty Model	Log Name/Comment	Wellbore
[ft]	[ft]			
19.00	5611.00	Gyrodata standard - Drop gyro or Multi-shot	01_Gyrodata MS Gyro <8-3/4">(100'-5611')	Dean Unit 2H AWB
5611.00	15816.00	BHI AutoTrak Curve (Short)	02_BHLAT Curve <8-1/2">(5611')(5683'-15816')	Dean Unit 2H AWB
15816.00	15868.00	Blind Drilling (std)	Projection to bit	Dean Unit 2H AWB



Actual Wellpath Report

Dean Unit 2H AWP Proj: 15868'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Dean Unit 2H
Field	Tyler	Wellbore	Dean Unit 2H AWB
Facility	Weigle East Pad		

COMMENTS

Wellpath general comments
 API: 47-095-02347-0000
 BHI Job #: 8108043
 Rig: Precision 525
 Duration: 8/17/2016-8/21/2016
 Gyrodata MS Gyro <8-3/4"> (100-5611')
 BHI AT Curve <8-1/2"> (5611')(5683'-15816')
 Sycamore: 6219' MD
 Middlesex: 6437' MD
 Burkett: 6592' MD
 Tully: 6645' MD
 Marcellus POE: 6765' MD
 Projected MD at TD: 15868'