

# ANTERO RESOURCES CORPORATION

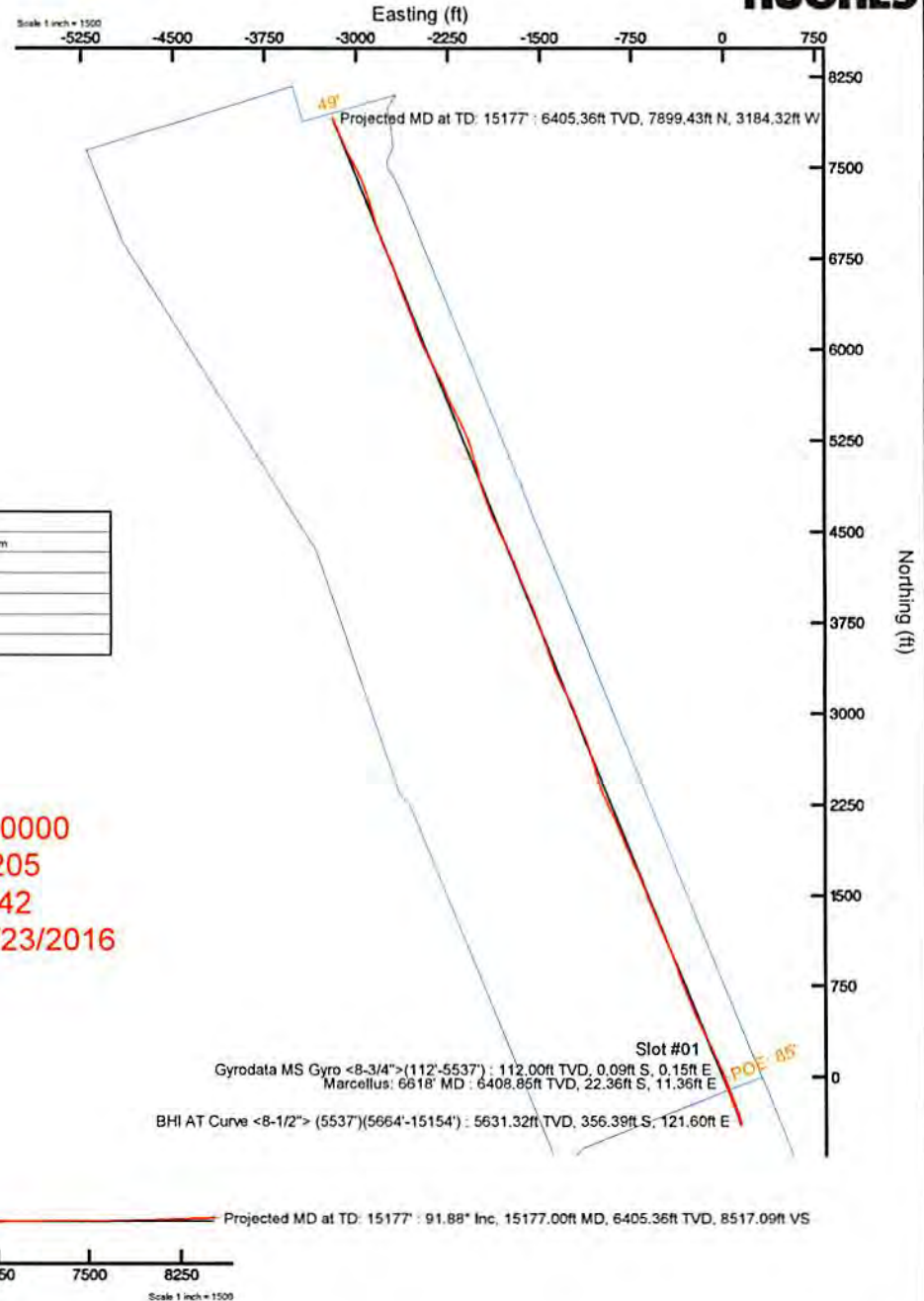
Location: Tyler County, WV  
 Field: Tyler  
 Facility: Terry Snider Pad

Slot: Slot #01  
 Well: Edwards Unit 3H  
 Wellbore: Edwards Unit 3H PWB



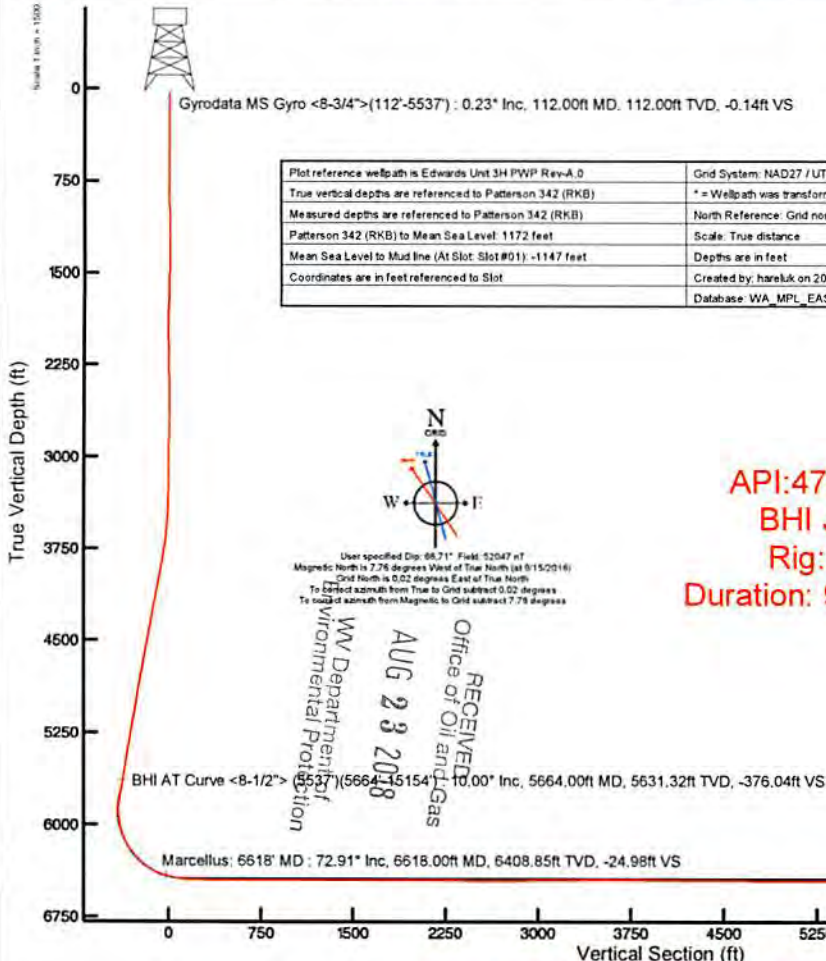
Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Terry Snider Pad	1650540.845	14295934.525	39°22'04.880"N	80°57'51.040"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #01	36.42	-17.29	1650523.560	14295970.927
Comment	Edwards Unit 3H			
Patterson 342 (RKB) to Mud line (At Slot: Slot #01)	25ft			
Mean Sea Level to Mud line (At Slot: Slot #01)	-1147ft			
Patterson 342 (RKB) to Mean Sea Level	1172ft			

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #01	Edwards Unit 3H	Edwards Unit 3H AWB	Edwards Unit 3H AWP Proj: 15177*
Slot #01	Edwards Unit 3H	Edwards Unit 3H PWB	Edwards Unit 3H PWP Rev-A.0



Plot reference wellpath is Edwards Unit 3H PWP Rev-A.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to Patterson 342 (RKB)	* = Wellpath was transformed from a different geodetic 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 #01): -1147 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: harek on 2016-10-03
	Database: WA_MPL_EASTERNUS_Defn

API:47-095-02349-0000  
 BHI Job #: 8153205  
 Rig: Patterson 342  
 Duration: 9/19/2016-9/23/2016



User specified Dip: 88.21° Field: 52547 nT  
 Magnetic North is 7.76 degrees West of True North (at 9/15/2016)  
 Grid North is 0.02 degrees East of True North  
 To correct azimuth from True to Grid subtract 0.02 degrees  
 To correct azimuth from Magnetic to Grid subtract 7.78 degrees

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Azimuth 338.12° with reference 0.00 N, 0.00 E



## Actual Wellpath Report

Edwards Unit 3H AWP Proj: 15177'

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### REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Tyler County, WV	Well	Edwards Unit 3H
Field	Tyler	Wellbore	Edwards 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	Hareluk
Scale	0.999600	Report Generated	10/3/2016 at 10:45:53 AM
Convergence at slot	0.03° East	Database/Source file	WA_MPL_EASTERNUS_Defn/Edwards_Unit_3H_AWP_Proj_15177_.xml

### WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	36.42	-17.29	1650523.56	14295970.93	39°22'05.240"N	80°57'51.260"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 #01)	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	338.12°

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Edwards Unit 3H AWP Proj: 15177'  
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Slot	Slot #01
Area	Tyler County, WV		Well	Edwards Unit 3H
Field	Tyler		Wellbore	Edwards Unit 3H AWB
Facility	Terry Snider Pad			

WELLPATH DATA (179 stations) † = interpolated/extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
0.00	0.000	120.070	0.00	0.00	0.00	0.00	1650523.56	14295970.93	39°22'05.240"N	80°57'51.260"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	120.070	25.00	0.00	0.00	0.00	1650523.56	14295970.93	39°22'05.240"N	80°57'51.260"W	0.00	0.000	0.00	0.00	0.00	
112.00	0.230	120.070	112.00	-0.14	-0.09	0.15	1650523.71	14295970.84	39°22'05.239"N	80°57'51.258"W	0.17	120.070	0.26	0.26	138.01	Gyrodatta MS Gyro <8-3/4">(112'-5537')
212.00	0.140	96.700	212.00	-0.35	-0.20	0.45	1650524.01	14295970.72	39°22'05.238"N	80°57'51.254"W	0.49	114.393	0.12	-0.09	-23.37	
312.00	0.130	101.700	312.00	-0.48	-0.24	0.68	1650524.24	14295970.69	39°22'05.238"N	80°57'51.251"W	0.72	109.446	0.02	-0.01	5.00	
412.00	0.140	92.030	412.00	-0.59	-0.27	0.91	1650524.47	14295970.66	39°22'05.237"N	80°57'51.248"W	0.95	106.317	0.02	0.01	-9.67	
512.00	0.330	209.540	512.00	-0.82	-0.52	0.89	1650524.45	14295970.41	39°22'05.235"N	80°57'51.249"W	1.03	120.329	0.41	0.19	117.51	
612.00	0.330	210.550	612.00	-1.17	-1.02	0.60	1650524.16	14295969.91	39°22'05.230"N	80°57'51.252"W	1.19	149.396	0.01	0.00	1.01	
712.00	0.320	351.720	712.00	-1.08	-0.99	0.42	1650523.98	14295969.94	39°22'05.230"N	80°57'51.255"W	1.08	157.203	0.61	-0.01	141.17	
812.00	0.760	352.400	811.99	-0.16	-0.06	0.29	1650523.85	14295970.87	39°22'05.239"N	80°57'51.256"W	0.29	101.399	0.44	0.44	0.68	
912.00	1.020	345.100	911.98	1.36	1.46	-0.03	1650523.53	14295972.39	39°22'05.254"N	80°57'51.260"W	1.46	358.917	0.28	0.26	-7.30	
1012.00	1.030	337.970	1011.96	3.15	3.15	0.59	1650522.97	14295974.08	39°22'05.271"N	80°57'51.268"W	3.21	349.337	0.13	0.01	-7.13	
1112.00	0.390	317.120	1111.96	4.36	4.24	-1.16	1650522.40	14295975.16	39°22'05.282"N	80°57'51.275"W	4.39	344.654	0.68	-0.64	-20.85	
1212.00	0.120	233.690	1211.95	4.65	4.42	-1.48	1650522.08	14295975.35	39°22'05.284"N	80°57'51.279"W	4.66	341.517	0.39	-0.27	-83.43	
1312.00	0.310	168.610	1311.95	4.36	4.10	-1.51	1650522.05	14295975.02	39°22'05.280"N	80°57'51.279"W	4.36	339.770	0.28	0.19	-65.08	
1412.00	0.530	160.250	1411.95	3.63	3.39	-1.30	1650522.26	14295974.32	39°22'05.274"N	80°57'51.277"W	3.64	339.053	0.23	0.22	-8.36	
1512.00	1.180	175.830	1511.94	2.19	1.93	-1.07	1650522.49	14295972.86	39°22'05.259"N	80°57'51.274"W	2.21	331.065	0.68	0.65	15.58	
1612.00	1.210	175.160	1611.92	0.20	-0.15	-0.90	1650522.66	14295970.78	39°22'05.239"N	80°57'51.272"W	0.92	260.801	0.03	0.03	-0.67	
1712.00	1.080	156.190	1711.90	-1.75	-2.06	-0.43	1650523.12	14295968.87	39°22'05.220"N	80°57'51.266"W	2.11	191.915	0.40	-0.13	-18.97	
1812.00	0.680	114.780	1811.89	-3.12	-3.17	0.48	1650524.04	14295967.76	39°22'05.209"N	80°57'51.254"W	3.21	171.317	0.73	-0.40	-41.41	
1912.00	0.620	84.450	1911.88	-3.71	-3.37	1.56	1650525.12	14295967.56	39°22'05.207"N	80°57'51.240"W	3.71	155.125	0.34	-0.06	-30.33	
2012.00	1.060	28.500	2011.87	-3.27	-2.50	2.54	1650526.10	14295968.43	39°22'05.215"N	80°57'51.228"W	3.57	134.561	0.88	0.44	-55.95	
2112.00	1.280	23.060	2111.85	-1.89	-0.66	3.42	1650526.98	14295970.27	39°22'05.233"N	80°57'51.216"W	3.48	100.959	0.25	0.22	-5.44	
2212.00	1.300	353.800	2211.83	-0.01	1.49	3.74	1650527.29	14295972.42	39°22'05.255"N	80°57'51.212"W	4.02	68.212	0.65	0.02	-29.26	
2312.00	1.050	324.740	2311.81	1.98	3.37	3.08	1650526.64	14295974.29	39°22'05.273"N	80°57'51.221"W	4.57	42.470	0.64	-0.25	-29.06	
2412.00	1.330	252.340	2411.79	2.95	3.77	1.45	1650525.01	14295974.69	39°22'05.277"N	80°57'51.242"W	4.03	21.050	1.42	0.28	-72.40	
2512.00	1.550	249.490	2511.76	3.07	2.94	-0.92	1650522.64	14295973.87	39°22'05.269"N	80°57'51.272"W	3.08	342.556	0.23	0.22	-2.85	
2612.00	1.610	248.730	2611.72	3.12	1.96	-3.50	1650520.06	14295972.88	39°22'05.259"N	80°57'51.305"W	4.01	299.200	0.06	0.06	-0.76	
2712.00	0.350	216.290	2711.70	2.97	1.20	-4.99	1650518.57	14295972.13	39°22'05.252"N	80°57'51.324"W	5.13	283.522	1.33	-1.26	-32.44	
2812.00	0.910	83.690	2811.70	2.60	1.04	-4.38	1650519.18	14295971.97	39°22'05.250"N	80°57'51.316"W	4.50	283.367	1.18	0.56	-132.60	

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# Actual Wellpath Report

Edwards Unit 3H AWP Proj: 15177'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Tyler County, WV	Well	Edwards Unit 3H
Field	Tyler	Wellbore	Edwards Unit 3H AWB
Facility	Terry Snider Pad		

**WELLPATH DATA (179 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	0.750	93.400	2911.69	2.11	1.09	-2.94	1650520.62	14295972.02	39°22'05.251"N	30°57'51.297"W	3.13	290.344	0.21	-0.16	9.71	
3012.00	0.910	147.540	3011.68	1.05	0.38	-1.86	1650521.70	14295971.31	39°22'05.244"N	30°57'51.284"W	1.90	281.572	0.77	0.16	54.14	
3112.00	0.840	149.930	3111.67	-0.46	-0.92	-1.07	1650522.49	14295970.00	39°22'05.231"N	30°57'51.274"W	1.41	229.066	0.08	-0.07	2.39	
3212.00	0.620	156.890	3211.66	-1.73	-2.06	-0.49	1650523.07	14295968.87	39°22'05.220"N	30°57'51.266"W	2.11	193.289	0.24	-0.22	6.96	
3312.00	0.740	163.010	3311.65	-2.91	-3.17	-0.08	1650523.48	14295967.76	39°22'05.209"N	30°57'51.261"W	3.17	181.528	0.14	0.12	6.12	
3412.00	2.510	182.960	3411.61	-5.54	-5.98	-0.01	1650523.55	14295964.95	39°22'05.181"N	30°57'51.260"W	5.98	180.085	1.83	1.77	19.95	
3512.00	3.920	175.280	3511.45	-10.80	-11.57	0.16	1650523.72	14295959.36	39°22'05.126"N	30°57'51.258"W	11.57	179.211	1.47	1.41	-7.68	
3612.00	5.770	167.540	3611.09	-19.02	-19.88	1.53	1650525.08	14295951.05	39°22'05.043"N	30°57'51.241"W	19.94	175.614	1.96	1.85	-7.74	
3712.00	7.970	167.230	3710.37	-30.83	-31.56	4.14	1650527.70	14295939.38	39°22'04.928"N	30°57'51.207"W	31.83	172.521	2.20	2.20	-0.31	
3812.00	9.500	163.150	3809.20	-45.89	-46.22	8.07	1650531.62	14295924.73	39°22'04.783"N	30°57'51.158"W	46.92	170.098	1.65	1.53	-4.08	
3912.00	10.350	158.840	3907.71	-63.10	-62.49	13.70	1650537.26	14295908.46	39°22'04.622"N	30°57'51.086"W	63.98	167.633	1.13	0.85	-4.31	
4012.00	11.140	156.500	4005.95	-81.74	-79.73	20.80	1650544.35	14295891.23	39°22'04.452"N	30°57'50.996"W	82.40	165.380	0.90	0.79	-2.34	
4112.00	10.820	157.840	4104.12	-100.78	-97.28	28.19	1650551.74	14295873.68	39°22'04.278"N	30°57'50.902"W	101.28	163.840	0.41	-0.32	1.34	
4212.00	10.530	159.370	4202.39	-119.30	-114.53	34.95	1650558.50	14295856.45	39°22'04.108"N	30°57'50.816"W	119.74	163.030	0.41	-0.29	1.53	
4312.00	10.460	161.030	4300.72	-137.50	-131.66	41.12	1650564.66	14295839.32	39°22'03.939"N	30°57'50.737"W	137.93	162.656	0.31	-0.07	1.66	
4412.00	10.540	161.530	4399.05	-155.70	-148.92	46.97	1650570.51	14295822.07	39°22'03.768"N	30°57'50.663"W	156.15	162.495	0.12	0.08	0.50	
4512.00	10.970	159.960	4497.29	-174.34	-166.54	53.13	1650576.66	14295804.46	39°22'03.594"N	30°57'50.584"W	174.80	162.307	0.52	0.43	-1.57	
4612.00	10.450	159.080	4595.55	-192.91	-183.94	59.62	1650583.16	14295787.06	39°22'03.422"N	30°57'50.502"W	193.37	162.040	0.55	-0.52	-0.88	
4712.00	10.510	159.280	4693.88	-211.10	-200.95	66.09	1650589.62	14295770.06	39°22'03.254"N	30°57'50.420"W	211.54	161.794	0.07	0.06	0.20	
4812.00	11.000	159.130	4792.12	-229.76	-218.39	72.72	1650596.25	14295752.62	39°22'03.081"N	30°57'50.335"W	230.18	161.584	0.49	0.49	-0.15	
4912.00	9.710	155.730	4890.49	-247.72	-234.99	79.58	1650603.11	14295736.03	39°22'02.917"N	30°57'50.248"W	248.10	161.291	1.43	-1.29	-3.40	
5012.00	9.590	153.730	4989.08	-264.46	-250.15	86.73	1650610.26	14295720.88	39°22'02.767"N	30°57'50.157"W	264.76	160.877	0.36	-0.12	-2.00	
5112.00	10.020	151.230	5087.62	-281.40	-265.25	94.61	1650618.13	14295705.79	39°22'02.618"N	30°57'50.057"W	281.61	160.370	0.61	0.43	-2.50	
5212.00	9.920	159.340	5186.11	-298.65	-280.93	101.83	1650625.35	14295690.11	39°22'02.463"N	30°57'49.965"W	298.82	160.075	1.41	-0.10	8.11	
5312.00	10.420	167.030	5284.54	-316.19	-297.81	106.90	1650630.42	14295673.24	39°22'02.296"N	30°57'49.900"W	316.41	160.253	1.45	0.50	7.69	
5412.00	9.940	168.050	5382.97	-333.63	-315.06	110.72	1650634.24	14295655.99	39°22'02.126"N	30°57'49.852"W	333.95	160.637	0.51	-0.48	1.02	
5512.00	9.520	165.510	5481.53	-350.33	-331.51	114.58	1650638.09	14295639.55	39°22'01.963"N	30°57'49.803"W	350.75	160.934	0.60	-0.42	-2.54	
5537.00	9.670	165.630	5506.18	-354.46	-335.55	115.61	1650639.13	14295635.51	39°22'01.923"N	30°57'49.790"W	354.91	160.988	0.61	0.60	0.48	
5664.00	10.000	162.360	5631.32	-376.04	-356.39	121.60	1650645.11	14295614.68	39°22'01.717"N	30°57'49.713"W	376.57	161.160	0.51	0.26	-2.57	BHI AT Curve <8-1/2"> (5537')(5664'-15154')
5689.00	10.420	162.200	5655.92	-380.45	-360.61	122.95	1650646.46	14295610.46	39°22'01.675"N	30°57'49.696"W	381.00	161.173	1.68	1.68	-0.64	

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Edwards Unit 3H AWP Proj: 15177'  
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Slot	Slot #01
Area	Tyler County, WV		Well	Edwards Unit 3H
Field	Tyler		Wellbore	Edwards Unit 3H AWB
Facility	Terry Snider Pad			

WELLPATH DATA (179 stations) † = interpolated/extrapolated station																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
5736.00	12.370	153.920	5701.99	-389.72	-369.18	126.47	1650649.97	14295601.89	39°22'01.591"N	80°57'49.652"W	390.24	161.091	5.41	4.15	-17.62	
5784.00	13.050	147.780	5748.82	-400.18	-378.38	131.62	1650655.12	14295592.70	39°22'01.500"N	80°57'49.586"W	400.62	160.820	3.15	1.42	-12.79	
5830.00	7.820	150.190	5794.04	-408.39	-385.50	135.94	1650659.45	14295585.58	39°22'01.429"N	80°57'49.531"W	408.77	160.575	11.41	-11.37	5.24	
5878.00	2.790	149.770	5841.82	-412.78	-389.34	138.16	1650661.66	14295581.74	39°22'01.391"N	80°57'49.503"W	413.13	160.463	10.48	-10.48	-0.87	
5925.00	2.260	9.890	5888.80	-413.13	-389.42	138.89	1650662.39	14295581.67	39°22'01.391"N	80°57'49.494"W	413.44	160.371	10.11	-1.13	-298.04	
5973.00	6.250	355.330	5936.66	-409.82	-385.88	138.84	1650662.34	14295585.20	39°22'01.426"N	80°57'49.494"W	410.10	160.212	8.54	8.31	-29.92	
6020.00	11.050	351.460	5983.12	-402.99	-378.87	137.96	1650661.46	14295592.21	39°22'01.495"N	80°57'49.505"W	403.21	159.992	10.28	10.21	-8.26	
6067.00	15.870	349.900	6028.81	-392.31	-368.08	136.16	1650659.66	14295602.99	39°22'01.601"N	80°57'49.528"W	392.46	159.700	10.28	10.26	-3.30	
6114.00	20.600	347.310	6073.44	-377.85	-353.68	133.21	1650656.72	14295617.39	39°22'01.744"N	80°57'49.566"W	377.94	159.361	10.21	10.06	-5.51	
6161.00	25.660	344.420	6116.65	-359.56	-335.80	128.66	1650652.17	14295635.26	39°22'01.921"N	80°57'49.624"W	359.61	159.036	11.03	10.77	-6.15	
6210.00	30.730	341.740	6159.82	-336.51	-313.68	121.88	1650645.40	14295657.37	39°22'02.139"N	80°57'49.710"W	336.53	158.766	10.66	10.35	-5.47	
6240.00†	33.585	340.804	6185.22	-320.56	-298.56	116.75	1650640.27	14295672.49	39°22'02.289"N	80°57'49.775"W	320.58	158.642	9.66	9.52	-3.12	Sycamore: 6240' MD
6256.00	35.110	340.360	6198.43	-311.54	-290.05	113.75	1650637.27	14295681.00	39°22'02.373"N	80°57'49.813"W	311.56	158.586	9.66	9.53	-2.77	
6302.00	40.010	340.190	6234.88	-283.53	-263.66	104.29	1650627.81	14295707.37	39°22'02.634"N	80°57'49.933"W	283.54	158.419	10.65	10.65	-0.37	
6350.00	44.660	339.570	6270.35	-251.23	-233.32	93.16	1650616.69	14295737.70	39°22'02.934"N	80°57'50.075"W	251.23	158.233	9.73	9.69	-1.29	
6367.00†	46.355	339.183	6282.27	-239.11	-221.97	88.89	1650612.42	14295749.05	39°22'03.046"N	80°57'50.129"W	239.11	158.175	10.10	9.97	-2.28	Middlesex: 6367' MD
6396.00	49.250	338.570	6301.74	-217.63	-201.93	81.15	1650604.68	14295769.08	39°22'03.244"N	80°57'50.228"W	217.63	158.107	10.10	9.98	-2.11	
6444.00	54.370	338.550	6331.41	-179.91	-166.83	67.36	1650590.90	14295804.17	39°22'03.591"N	80°57'50.403"W	179.91	158.012	10.67	10.67	-0.04	
6490.00	58.930	338.470	6356.69	-141.50	-131.08	53.29	1650576.83	14295839.90	39°22'03.944"N	80°57'50.582"W	141.50	157.877	9.91	9.91	-0.17	
6531.00†	63.208	339.046	6376.52	-105.63	-97.64	40.30	1650563.84	14295873.32	39°22'04.275"N	80°57'50.747"W	105.63	157.575	10.51	10.44	1.41	Burkett: 6531' MD
6538.00	63.940	339.140	6379.64	-99.36	-91.79	38.06	1650561.60	14295879.18	39°22'04.333"N	80°57'50.776"W	99.37	157.480	10.51	10.44	1.34	
6585.00	69.480	339.040	6398.21	-56.21	-51.48	22.66	1650546.21	14295919.47	39°22'04.731"N	80°57'50.972"W	56.24	156.245	11.79	11.79	-0.21	
6592.00†	70.207	338.936	6400.62	-49.64	-46.34	20.30	1650543.85	14295925.60	39°22'04.792"N	80°57'51.002"W	49.68	155.882	10.47	10.38	-1.48	Tully: 6592' MD
6618.00†	72.906	338.559	6408.85	-24.98	-22.36	11.36	1650534.91	14295948.58	39°22'05.019"N	80°57'51.115"W	25.08	153.066	10.47	10.38	-1.45	Marcellus: 6618' MD
6632.00	74.360	338.360	6412.79	-11.55	-9.86	5.43	1650529.98	14295961.07	39°22'05.142"N	80°57'51.178"W	11.77	146.911	10.47	10.38	-1.42	
6682.00	77.940	337.960	6424.76	36.99	35.19	-11.63	1650511.93	14296006.10	39°22'05.588"N	80°57'51.408"W	37.06	341.711	7.20	7.16	-0.80	
6727.00	78.480	337.130	6433.96	81.04	75.90	-28.46	1650495.12	14296046.80	39°22'05.990"N	80°57'51.622"W	81.06	339.448	2.17	1.20	-1.84	
6775.00	83.620	336.650	6441.42	128.43	119.50	-47.06	1650476.52	14296090.37	39°22'06.421"N	80°57'51.859"W	128.43	338.504	10.75	10.71	-1.00	
6821.00	88.950	336.170	6444.40	174.29	161.55	-65.43	1650458.16	14296132.41	39°22'06.837"N	80°57'52.092"W	174.29	337.952	11.63	11.59	-1.04	
6915.00	88.460	334.680	6446.53	268.16	247.01	-164.51	1650419.09	14296217.84	39°22'07.682"N	80°57'52.589"W	268.21	337.067	1.67	-0.52	-1.59	

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# Actual Wellpath Report

Edwards Unit 3H AWP Proj: 15177

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #01
Operator	ANTERO RESOURCES CORPORATION	Well	Edwards Unit 3H
Area	Tyler County, WV	Wellbore	Edwards Unit 3H AWB
Field	Tyler		
Facility	Terry Snider Pad		

WELLPATH DATA (179 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
7009.00	88.830	334.240	6448.75	361.94	331.80	-145.02	1650378.59	14296302.59	39°22'08.520"N	80°57'53.105"W	362.11	336.391	0.61	0.39	-0.47	
7104.00	89.480	334.860	6450.15	456.75	417.57	-185.84	1650337.79	14296388.33	39°22'09.368"N	80°57'53.624"W	457.06	336.008	0.95	0.68	0.65	
7198.00	89.750	335.010	6450.78	550.64	503.06	-224.92	1650298.73	14296473.78	39°22'10.213"N	80°57'54.121"W	551.05	335.910	1.26	0.29	1.22	
7292.00	89.910	337.770	6451.06	644.61	589.51	-261.81	1650261.85	14296560.20	39°22'11.067"N	80°57'54.591"W	645.03	336.053	1.88	0.17	1.87	
7387.00	90.090	338.180	6451.06	739.61	677.58	-297.44	1650226.24	14296648.23	39°22'11.938"N	80°57'55.044"W	739.99	336.300	0.47	0.19	0.43	
7481.00	90.090	338.260	6450.91	833.61	764.87	-332.32	1650191.38	14296735.49	39°22'12.801"N	80°57'55.488"W	833.94	336.516	0.09	0.00	0.09	
7575.00	90.660	342.840	6450.28	927.50	853.48	-363.61	1650160.10	14296824.06	39°22'13.677"N	80°57'55.866"W	927.70	336.925	4.91	0.63	4.87	
7669.00	90.150	340.670	6449.60	1021.30	942.74	-393.03	1650130.68	14296913.29	39°22'14.559"N	80°57'56.260"W	1021.39	337.369	2.38	-0.58	-2.31	
7764.00	90.120	337.840	6449.38	1116.28	1031.57	-426.68	1650002.09	14297002.09	39°22'15.437"N	80°57'56.688"W	1116.33	337.529	2.98	-0.03	-2.98	
7858.00	90.120	336.960	6449.18	1210.27	1118.36	-462.80	1650060.94	14297088.63	39°22'16.295"N	80°57'57.147"W	1210.33	337.519	0.94	0.00	-0.94	
7952.00	90.340	336.650	6448.80	1304.24	1204.76	-499.83	1650023.93	14297175.20	39°22'17.149"N	80°57'57.618"W	1304.33	337.468	0.40	0.23	-0.33	
8046.00	89.860	337.580	6448.47	1493.19	1378.47	-574.27	1649949.52	14297261.41	39°22'18.002"N	80°57'58.094"W	1398.31	337.407	0.32	-0.27	-0.17	
8141.00	89.860	337.580	6448.47	1493.19	1378.47	-574.27	1649949.52	14297261.41	39°22'18.002"N	80°57'58.094"W	1398.31	337.407	0.32	-0.27	-0.17	
8235.00	89.690	339.030	6448.83	1587.18	1465.81	-609.02	1649914.79	14297346.15	39°22'19.730"N	80°57'59.007"W	1587.30	337.438	1.56	-0.20	1.54	
8330.00	90.030	339.840	6449.08	1682.16	1554.76	-642.39	1649881.43	14297431.06	39°22'20.609"N	80°57'59.432"W	1682.24	337.551	0.92	0.36	0.85	
8424.00	90.120	336.170	6448.94	1776.14	1641.90	-677.59	1649846.25	14297516.17	39°22'21.470"N	80°57'59.880"W	1776.22	337.575	3.91	0.10	-3.90	
8518.00	89.690	335.770	6449.09	1870.07	1727.75	-715.86	1649807.98	14297601.99	39°22'22.319"N	80°58'00.367"W	1870.19	337.484	0.62	-0.46	-0.43	
8613.00	89.290	337.010	6449.94	1965.03	1814.80	-753.91	1649769.95	14297684.99	39°22'23.180"N	80°58'00.851"W	1965.16	337.441	1.37	-0.42	1.31	
8707.00	89.660	337.900	6450.80	2059.01	1901.61	-789.95	1649733.93	14297771.77	39°22'24.038"N	80°58'01.309"W	2059.16	337.441	1.03	0.39	0.95	
8801.00	90.220	338.210	6450.90	2153.01	1988.80	-825.08	1649698.81	14297858.92	39°22'24.900"N	80°58'01.756"W	2153.15	337.468	0.68	0.60	0.33	
8896.00	89.720	336.350	6450.95	2248.00	2076.42	-861.77	1649662.14	14298046.51	39°22'25.766"N	80°58'02.223"W	2248.15	337.460	2.03	-0.53	-1.96	
8990.00	89.660	335.390	6451.45	2341.92	2162.21	-900.19	1649623.73	14298132.26	39°22'26.614"N	80°58'02.712"W	2342.11	337.397	1.02	-0.06	-1.02	
9085.00	89.720	336.270	6451.97	2436.85	2248.67	-939.09	1649584.85	14298218.90	39°22'27.470"N	80°58'03.207"W	2437.07	337.335	0.93	0.06	0.93	
9179.00	89.450	336.640	6452.65	2530.80	2335.05	-976.64	1649547.31	14298305.04	39°22'28.322"N	80°58'03.685"W	2531.06	337.303	0.49	-0.29	0.38	
9273.00	89.080	340.180	6453.86	2624.78	2422.43	-1011.22	1649512.75	14298392.38	39°22'29.186"N	80°58'04.126"W	2625.02	337.342	3.79	-0.39	3.77	
9368.00	89.630	345.780	6454.93	2719.39	2513.23	-1039.01	1649484.96	14298483.14	39°22'30.084"N	80°58'04.478"W	2719.53	337.539	5.92	0.58	5.86	
9462.00	90.920	344.670	6454.48	2812.67	2604.11	-1062.98	1649461.00	14298574.00	39°22'30.982"N	80°58'04.763"W	2812.12	337.795	1.81	1.37	-1.18	
9557.00	91.660	342.080	6452.34	2907.24	2695.11	-1090.15	1649433.84	14298664.96	39°22'31.881"N	80°58'05.129"W	2907.24	337.977	2.83	0.78	-2.73	
9651.00	90.770	339.060	6450.34	3001.12	2783.73	-1121.41	1649402.60	14298753.52	39°22'32.757"N	80°58'05.526"W	3001.12	338.058	3.35	-0.95	-3.21	
9745.00	90.370	337.570	6449.41	3095.11	2871.07	-1156.14	1649367.88	14298840.84	39°22'33.621"N	80°58'05.968"W	3095.11	338.066	1.64	-0.43	-1.56	

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**Actual Wellpath Report**  
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Operator	ANTERO RESOURCES CORPORATION
Area	Tyler County, WV
Field	Tyler
Facility	Terry Snider Pad
Slot	Slot #01
Well	Edwards Unit 3H
Wellbore	Edwards Unit 3H AWB

**REFERENCE WELLPATH IDENTIFICATION**

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
9840.00	90.340	338.250	6448.82	3190.11	2959.09	-1191.87	1649332.17	14298928.83	39°22'34.491"N	80°58'06.423"W	3190.11	338.061	0.72	-0.03	0.72	
9934.00	91.050	337.450	6447.68	3284.10	3046.15	-1227.31	1649296.75	14299015.85	39°22'35.351"N	80°58'06.873"W	3284.10	338.055	1.14	-0.76	-0.85	
10028.00	90.550	333.580	6446.37	3377.97	3131.67	-1266.26	1649257.81	14299101.34	39°22'36.197"N	80°58'07.369"W	3377.98	337.985	4.15	-0.53	-4.12	
10123.00	90.280	332.480	6445.68	3472.59	3216.33	-1309.34	1649214.75	14299185.97	39°22'37.034"N	80°58'07.917"W	3472.63	337.849	1.19	-0.28	-1.16	
10217.00	90.090	336.590	6445.37	3566.39	3301.18	-1349.75	1649174.36	14299270.78	39°22'37.872"N	80°58'08.432"W	3566.46	337.762	4.38	-0.20	-4.37	
10311.00	89.660	339.100	6445.58	3660.38	3388.24	-1385.19	1649138.93	14299357.80	39°22'38.733"N	80°58'08.883"W	3660.45	337.764	2.71	-0.46	-2.67	
10405.00	89.660	340.520	6446.14	3754.33	3476.46	-1417.63	1649106.50	14299445.99	39°22'39.605"N	80°58'09.295"W	3754.39	337.815	1.51	0.00	1.51	
10499.00	89.600	340.480	6446.74	3848.25	3565.06	-1449.01	1649075.13	14299534.56	39°22'40.481"N	80°58'09.694"W	3848.28	337.881	0.08	-0.06	-0.04	
10594.00	89.630	340.900	6447.38	3943.15	3654.72	-1480.42	1649043.73	14299624.17	39°22'41.367"N	80°58'10.094"W	3943.17	337.949	0.44	0.03	0.44	
10688.00	89.660	340.110	6447.96	4037.07	3743.32	-1511.79	1649012.37	14299712.75	39°22'42.243"N	80°58'10.493"W	4037.08	338.008	0.84	0.03	-0.84	
10782.00	89.660	339.710	6448.52	4131.02	3831.60	-1544.08	1648980.10	14299800.99	39°22'43.116"N	80°58'10.904"W	4131.02	338.051	0.43	0.00	-0.43	
10877.00	89.660	337.120	6449.09	4226.01	3919.93	-1579.03	1648945.17	14299889.28	39°22'43.989"N	80°58'11.349"W	4226.01	338.059	2.73	0.00	-2.73	
10971.00	89.570	336.290	6449.72	4319.98	4006.27	-1616.20	1648908.01	14299975.58	39°22'44.842"N	80°58'11.822"W	4319.98	338.030	0.89	-0.10	-0.88	
11065.00	89.630	339.740	6450.37	4413.96	4093.42	-1651.38	1648872.84	14300062.70	39°22'45.704"N	80°58'12.269"W	4413.97	338.030	3.67	0.06	3.67	
11159.00	89.600	339.830	6451.01	4507.92	4181.65	-1683.79	1648840.45	14300150.90	39°22'46.576"N	80°58'12.682"W	4507.92	338.067	0.20	-0.03	0.20	
11254.00	89.910	336.820	6451.41	4602.90	4269.90	-1718.79	1648805.46	14300239.16	39°22'47.449"N	80°58'13.127"W	4602.91	338.074	3.29	0.33	-3.27	
11348.00	89.600	335.480	6451.81	4696.85	4355.92	-1756.80	1648767.47	14300325.10	39°22'48.298"N	80°58'13.611"W	4696.85	338.035	1.46	-0.33	-1.43	
11442.00	89.690	334.230	6452.40	4790.69	4441.01	-1796.74	1648727.54	14300410.15	39°22'49.139"N	80°58'14.119"W	4790.71	337.973	1.33	0.10	-1.33	
11536.00	89.570	334.170	6453.00	4884.47	4525.64	-1837.65	1648686.65	14300494.75	39°22'49.976"N	80°58'14.640"W	4884.50	337.900	0.14	-0.13	-0.06	
11631.00	88.650	336.520	6454.48	4979.34	4611.96	-1877.27	1648647.04	14300581.04	39°22'50.829"N	80°58'15.144"W	4979.39	337.852	2.66	-0.97	2.47	
11725.00	89.820	339.390	6455.73	5073.32	4699.07	-1912.54	1648611.78	14300668.11	39°22'51.690"N	80°58'15.593"W	5073.37	337.853	3.30	1.24	3.05	
11819.00	90.880	340.220	6455.32	5167.27	4787.27	-1944.99	1648579.35	14300756.29	39°22'52.562"N	80°58'16.006"W	5167.32	337.889	1.27	0.91	0.88	
11913.00	89.720	343.630	6455.00	5261.05	4876.64	-1974.15	1648550.20	14300844.60	39°22'53.446"N	80°58'16.377"W	5261.07	337.961	3.77	-1.02	3.63	
12008.00	89.880	347.580	6455.33	5355.22	4968.64	-1997.77	1648526.60	14300937.57	39°22'54.355"N	80°58'16.677"W	5355.22	338.096	4.16	0.17	4.16	
12101.00	89.970	343.150	6455.45	5447.46	5058.60	-2021.26	1648503.11	14301027.49	39°22'55.244"N	80°58'16.976"W	5447.46	338.220	4.76	0.10	-4.76	
12196.00	91.140	344.630	6454.53	5541.97	5149.86	-2047.62	1648476.77	14301118.71	39°22'56.146"N	80°58'17.311"W	5542.00	338.317	1.99	1.23	1.56	
12290.00	90.250	340.000	6453.39	5635.68	5239.38	-2076.16	1648448.23	14301208.20	39°22'57.031"N	80°58'17.674"W	5635.74	338.384	5.02	-0.95	-4.93	
12384.00	90.250	335.840	6452.98	5729.66	5326.47	-2111.49	1648412.92	14301295.25	39°22'57.892"N	80°58'18.124"W	5729.72	338.376	4.43	0.00	-4.43	
12479.00	90.000	335.120	6452.77	5824.56	5412.90	-2150.91	1648373.51	14301381.65	39°22'58.746"N	80°58'18.626"W	5824.60	338.329	0.80	-0.26	-0.76	
12573.00	90.000	333.740	6452.77	5918.36	5497.69	-2191.49	1648332.96	14301466.41	39°22'59.584"N	80°58'19.142"W	5918.38	338.267	1.47	0.00	-1.47	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Tyler County, WV	Well	Edwards Unit 3H
Field	Tyler	Wellbore	Edwards Unit 3H AWB
Facility	Terry Snider Pad		

MD	Inclination	Azimuth	TVD	Vert Sect	East	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)	(N)	(W)	(ft)	(°)	(ft/100ft)	(°/100ft)	(ft/100ft)	

1268.00	89.780	336.230	6452.95	6013.21	5583.77	-2231.65	1648292.80	14301552.46	39°23'00.435"N	80°58'19.653"W	6013.22	338.215	2.63	-0.23	2.62		
12752.00	89.880	338.200	6453.23	6107.19	5670.43	-2268.06	1648256.42	14301639.08	39°23'01.292"N	80°58'20.116"W	6107.20	338.200	2.10	0.11	2.10		
12857.00	90.490	333.580	6452.93	6202.10	5757.12	-2308.85	1648217.64	14301725.73	39°23'02.149"N	80°58'20.610"W	6202.10	338.164	4.91	0.64	-4.86		
12951.00	91.230	332.020	6451.51	6295.68	5840.71	-2349.81	1648174.69	14301809.29	39°23'02.975"N	80°58'21.157"W	6295.68	338.084	1.84	0.79	-1.66		
13046.00	90.980	332.860	6449.68	6390.19	5924.92	-2393.76	1648130.76	14301893.46	39°23'03.808"N	80°58'21.716"W	6390.21	338.001	0.92	-0.26	0.88		
13140.00	90.460	333.620	6448.50	6483.84	6008.84	-2436.08	1648088.46	14301977.35	39°23'04.637"N	80°58'22.255"W	6483.88	337.932	0.88	-0.55	0.81		
13234.00	91.220	338.110	6446.71	6577.73	6094.59	-2474.50	1648050.06	14302016.84	39°23'05.485"N	80°58'22.744"W	6577.77	337.902	4.96	1.34	4.78		
13329.00	91.350	340.920	6444.17	6672.65	6183.54	-2507.73	1648016.84	14302151.98	39°23'06.364"N	80°58'23.167"W	6672.69	337.925	2.98	-0.39	2.96		
13423.00	90.950	339.190	6442.28	6766.58	6271.88	-2539.78	1647984.80	14302240.28	39°23'07.237"N	80°58'23.575"W	6766.61	337.955	1.89	-0.43	-1.84		
13517.00	90.740	337.400	6440.89	6860.56	6359.20	-2574.54	1647950.05	14302327.57	39°23'08.100"N	80°58'24.017"W	6860.59	337.959	1.92	-0.22	-1.90		
13612.00	90.770	338.540	6439.64	6955.55	6447.26	-2610.17	1647914.44	14302415.59	39°23'08.971"N	80°58'24.470"W	6955.58	337.959	1.20	0.03	1.20		
13706.00	90.770	341.540	6438.38	7049.48	6535.59	-2642.25	1647882.37	14302503.89	39°23'09.844"N	80°58'24.879"W	7049.50	337.987	3.19	0.00	3.19		
13801.00	90.920	342.270	6436.98	7144.26	6626.88	-2671.76	1647852.88	14302594.15	39°23'10.736"N	80°58'25.254"W	7144.27	338.039	0.78	0.16	0.77		
13895.00	90.710	337.360	6435.64	7238.18	6714.07	-2704.18	1647820.47	14302682.30	39°23'11.608"N	80°58'25.667"W	7238.19	338.062	5.23	-0.22	-5.22		
13990.00	90.250	336.480	6434.84	7333.13	6801.13	-2742.18	1647782.48	14302769.39	39°23'12.469"N	80°58'26.150"W	7333.14	338.041	2.04	-0.48	-1.98		
14084.00	90.280	338.920	6434.41	7427.11	6887.77	-2778.60	1647746.08	14302856.93	39°23'13.325"N	80°58'26.614"W	7427.12	338.030	3.66	0.03	3.66		
14179.00	90.220	341.050	6433.99	7522.05	6977.03	-2811.11	1647713.58	14302945.15	39°23'14.207"N	80°58'27.028"W	7522.05	338.055	2.24	-0.06	2.24		
14273.00	90.650	343.610	6433.28	7615.79	7066.55	-2839.75	1647684.95	14303034.64	39°23'15.092"N	80°58'27.392"W	7615.80	338.107	2.61	0.46	2.67		
14367.00	92.090	344.610	6431.03	7709.26	7156.90	-2865.59	1647659.12	14303124.95	39°23'15.985"N	80°58'27.721"W	7709.27	338.179	1.95	1.53	1.21		
14462.00	91.570	341.160	6428.00	7803.87	7247.63	-2893.53	1647631.19	14303215.65	39°23'16.882"N	80°58'28.076"W	7803.89	338.256	3.67	-0.55	-3.63		
14556.00	91.110	339.500	6425.80	7897.77	7336.12	-2925.16	1647599.58	14303304.10	39°23'17.572"N	80°58'28.479"W	7897.80	338.261	1.83	-0.49	-1.77		
14650.00	92.060	336.650	6423.20	7991.73	7423.28	-2960.24	1647564.51	14303391.22	39°23'18.618"N	80°58'28.925"W	7991.75	338.259	3.19	-3.03	-3.03		
14744.00	92.150	332.250	6419.75	8085.45	7508.01	-3000.75	1647524.02	14303473.92	39°23'19.456"N	80°58'29.441"W	8085.46	338.216	4.68	0.10	-4.68		
14839.00	91.880	330.440	6416.40	8179.72	7591.32	-3046.27	1647478.51	14303559.19	39°23'20.279"N	80°58'30.021"W	8179.72	338.135	1.93	-0.28	-1.91		
14933.00	91.880	336.770	6413.33	8273.33	7675.43	-3088.02	1647436.78	14303643.27	39°23'21.111"N	80°58'30.552"W	8273.33	338.084	6.73	0.00	6.73		
15027.00	91.850	338.220	6410.26	8367.27	7762.22	-3123.98	1647400.84	14303730.03	39°23'21.969"N	80°58'31.010"W	8367.28	338.077	1.54	-0.03	-1.54		
15122.00	91.880	335.610	6407.17	8462.19	7849.56	-3161.20	1647363.63	14303817.33	39°23'22.832"N	80°58'31.483"W	8462.20	338.064	2.75	0.03	-2.75		
15154.00	91.880	334.940	6406.12	8494.14	7878.61	-3174.58	1647350.25	14303846.37	39°23'23.119"N	80°58'31.654"W	8494.14	338.054	2.09	0.00	-2.09		
15177.00	91.880	334.940	6405.36	8517.09	7899.43	-3184.32	1647340.52	14303867.19	39°23'23.325"N	80°58'31.778"W	8517.10	338.045	0.00	0.00	0.00		Projected MD at TD: 15177

HOLE & CASING SECTIONS - Ret Wellbore: Edwards Unit 3H AWB Ret Wellpath: Edwards Unit 3H AWP Proj: 15177									
String/Diameter	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	End N/S	Start EW	End EW
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
20in Conductor	25.00	65.00	40.00	25.00	65.00	0.00	65.00	0.00	-0.02
13.375in Casing Surface	25.00	505.00	480.00	25.00	505.00	0.00	505.00	0.00	-0.49
9.625in Casing Intermediate	25.00	2578.00	2553.00	25.00	2577.73	0.00	2577.73	0.00	2.30

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HOLE & CASING SECTIONS - Ref Wellbore: Edwards Unit 3H AWB Ref Wellpath: Edwards Unit 3H AWP Proj: 15177'									
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]

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Edwards Unit 3H POE Rev-2	6402.00	-52.47	9.72	1650533.27	14295918.48	39°22'04.721"N	80°57'51.137"W	point
Edwards Unit 3H BHL Rev-2	6437.00	7889.08	-3178.91	1647345.93	14303856.84	39°23'23.223"N	80°58'31.709"W	point
Edwards Unit 3H LP Rev-2	6437.00	125.96	-61.93	1650461.66	14296096.84	39°22'06.485"N	80°57'52.048"W	point
Edwards Unit 3H BHL - Plat	6459.00	8611.53	-3468.95	1647056.00	14304579.00	39°23'30.364"N	80°58'35.401"W	point

WELLPATH COMPOSITION - Ref Wellbore: Edwards Unit 3H AWB Ref Wellpath: Edwards Unit 3H AWP Proj: 15177'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	5537.00	Gyrodata standard - Drop gyro or Multi-shot	01_Gyrodata MS Gyro <8-3/4">(100'-5525')	Edwards Unit 3H AWB
5537.00	15154.00	BHI AutoTrak Curve (Short)	02_BHI AT Curve <8-1/2">(5537')(5664'- 15154')	Edwards Unit 3H AWB
15154.00	15177.00	Blind Drilling (std)	Projection to bit	Edwards Unit 3H AWB

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# Actual Wellpath Report

Edwards Unit 3H AWP Proj: 15177'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #01
Area	Tyler County, WV	Well	Edwards Unit 3H
Field	Tyler	Wellbore	Edwards Unit 3H AWB
Facility	Terry Snider Pad		

WELLPATH COMMENTS					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment	
112.00	0.230	120.070	112.00	Gyrodata MS Gyro <8-3/4">(112'-5537')	
5664.00	10.000	162.360	5631.32	BHI AT Curve <8-1/2"> (5537')(5664'-15154')	
6240.00	33.585	340.804	6185.22	Sycamore: 6240' MD	
6367.00	46.355	339.183	6282.27	Middlesex: 6367' MD	
6531.00	63.209	339.046	6376.52	Burkett: 6531' MD	
6592.00	70.207	338.936	6400.62	Tully: 6592' MD	
6618.00	72.906	338.559	6408.85	Marcellus: 6618' MD	
15177.00	91.880	334.940	6405.36	Projected MD at TD: 15177'	

COMMENTS
<p>Wellpath general comments                      API:47-095-02349-0000                      BHI Job #: 8153205                      Rig: Patterson 342                      Duration: 9/19/2016-9/23/2016                      Gyrodata MS Gyro &lt;8-3/4"&gt;(112'-5537')                      BHI AT Curve &lt;8-1/2"&gt; (5537')(5664'-15154')                      Sycamore: 6240' MD                      Middlesex: 6367' MD                      Burkett: 6531' MD                      Tully: 6592' MD                      Marcellus: 6618' MD                      Projected MD at TD: 15177'</p>

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