



ANTERO RESOURCES CORPORATION
 Location: Doddridge Co., WV
 Field: Doddridge
 Facility: Melody Pad



Slot: Slot #09
 Well: Reval Unit 1H
 Wellbore: Reval Unit 1H PWB

Grid System: NAD83 / UTM Zone 17 North, US feet
 * * Wellpath was transformed from a different geographic datum
 Measured depths are referenced to Patterson 347 (RKB)
 North Reference: Grid north
 Patterson 347 (RKB) to Mean Sea Level: 1100 feet
 Scale: True distance
 Mean Sea Level to Mud line (At Slot #09): -1135 feet
 Depths are in feet
 Coordinates are in feet referenced to Slot
 Created by: hughes on 2016-06-01
 Database: VA_WB_EAS120605_Data

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Melody Pad	1708455.400	14292537.540	39°21'30.416"N	80°45'33.453"W
Slot	Local E (ft)	Grid East (US ft)	Latitude	Longitude
Slot #09	-44.02	1708460.310	39°21'29.9697N	80°45'33.130"W
Comment	Reval Unit 1H	14292493.540		
Patterson 347 (RKB) to Mud line (At Slot: Slot #09)			25R	
Mean Sea Level to Mud line (At Slot: Slot #09)			-1135R	
Patterson 347 (RKB) to Mean Sea Level			1100R	

Well Data

Slot	Well	Wellbore	Wellpath
Slot #09	Reval Unit 1H	Reval Unit 1H AWB	Reval Unit 1H AWP Proj: 15972*
Slot #09	Reval Unit 1H	Reval Unit 1H PWB	Reval Unit 1H PWP Rev: B.0



User specified Dip: 68.77° (MAG: 52002 ft)
 Decline to True: 0.15 degrees West of True North (at 52016 ft)
 Decline to Grid: 0.15 degrees West of True North (at 52016 ft)
 To correct Azimuth from True to Grid subtract 0.15 degrees
 To correct Azimuth from Magnetic to Grid subtract 2.88 degrees



API #: 47-017-06477-0000
 BHI Job #: 8019445
 Rig: Patterson 347
 Duration: 06.24.2016-06.28.2016

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BHI AT Curve <8-1/2> (5910)(6052-15928) : 17.83° Inc. 6052.00ft MD, 5971.73ft TVD, -376.76ft VS
 Marcellus: 7240' MD - 67.04° Inc. 7240.00ft MD, 6971.85ft TVD, 9.58ft VS
 Gyrodatta MS Gyro <8-3/4> (100-5910) : 0.37° Inc. 100.00ft MD, 100.00ft TVD, 0.23ft VS
 Marcellus: 7240' MD : 6871.85ft TVD, 349.30ft N, 838.98ft E
 Slot #09
 Gyrodatta MS Gyro <8-3/4> (100-5910) : 100.00ft TVD, 0.18ft N, 0.17ft W
 BHI AT Curve <8-1/2> (5910)(6052-15928) : 5971.73ft TVD, 166.59ft S, 593.43ft E
 Projected MD at TD: 15972' : 90.62° Inc. 15972.00ft MD, 6873.90ft TVD, 8720.62ft VS
 Azimuth 338.00° with reference 0.00 N, 0.00 E
 Scale 1 inch = 1000



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Rexal Unit 1H AWP Proj: 15972'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Hareluk
Scale	0.999605	Report Generated	8/1/2016 at 12:04:43 PM
Convergence at slot	0.16° East	Database/Source file	WA_MPL_EASTERNUS_Defn/Rexal_Unit_1H_AWP_Proj_15972_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-44.02	25.52	1708480.91	14292493.54	39°21'29.980"N	80°45'33.130"W
Facility Reference Pt			1708455.40	14292537.54	39°21'30.416"N	80°45'33.453"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Patterson 347 (RKB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Patterson 347 (RKB) to Mean Sea Level	1160.00ft
Vertical Reference Pt	Patterson 347 (RKB)	Patterson 347 (RKB) to Mud Line at Slot (Slot #09)	25.00ft
MD Reference Pt	Patterson 347 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	338.00°

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

WELLPATH DATA (190 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
0.00	0.000	316.700	0.00	0.00	0.00	0.00	1708480.91	14292493.54	39°21'29.980"N	80°45'33.130"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	316.700	25.00	0.00	0.00	0.00	1708480.91	14292493.54	39°21'29.980"N	80°45'33.130"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.370	316.700	100.00	0.23	0.18	-0.17	1708480.74	14292493.72	39°21'29.982"N	80°45'33.132"W	0.24	316.700	0.49	0.49	-57.73	Gyrodata MS Gyro <8-3/4">(100'-5910')
200.00	0.360	253.590	200.00	0.56	0.32	-0.69	1708480.22	14292493.86	39°21'29.983"N	80°45'33.139"W	0.76	295.085	0.38	-0.01	-63.11	
300.00	0.320	256.720	300.00	0.83	0.17	-1.26	1708479.65	14292493.71	39°21'29.982"N	80°45'33.146"W	1.27	277.653	0.04	-0.04	3.13	
400.00	0.300	256.250	399.99	0.71	0.04	-1.79	1708479.12	14292493.58	39°21'29.981"N	80°45'33.153"W	1.79	271.384	0.02	-0.02	-0.47	
500.00	0.310	258.720	499.99	0.80	-0.07	-2.31	1708478.60	14292493.47	39°21'29.979"N	80°45'33.159"W	2.31	268.214	0.02	0.01	2.47	
600.00	0.490	221.790	599.99	0.66	-0.44	-2.86	1708478.05	14292493.10	39°21'29.976"N	80°45'33.166"W	2.89	261.176	0.31	0.18	-36.93	
700.00	1.930	167.880	699.97	-1.19	-2.41	-2.79	1708478.12	14292491.13	39°21'29.956"N	80°45'33.166"W	3.69	229.184	1.69	1.44	-53.91	
800.00	2.890	155.900	799.88	-5.37	-6.36	-1.41	1708479.50	14292487.19	39°21'29.917"N	80°45'33.148"W	6.51	192.475	1.08	0.96	-11.98	
900.00	4.190	136.990	899.69	-11.30	-11.33	2.12	1708483.02	14292482.21	39°21'29.868"N	80°45'33.103"W	11.53	169.425	1.73	1.30	-18.91	
1000.00	4.210	134.830	999.42	-18.08	-16.59	7.21	1708488.12	14292476.96	39°21'29.816"N	80°45'33.039"W	18.09	156.508	0.16	0.02	-2.16	
1100.00	3.960	142.280	1099.17	-24.78	-21.91	11.93	1708492.83	14292471.64	39°21'29.763"N	80°45'32.979"W	24.94	151.437	0.59	-0.25	7.45	
1200.00	4.060	148.930	1198.92	-31.60	-27.67	15.87	1708496.77	14292465.88	39°21'29.706"N	80°45'32.929"W	31.90	150.172	0.48	0.10	6.65	
1300.00	4.220	152.430	1298.66	-38.76	-33.97	19.40	1708500.30	14292459.59	39°21'29.644"N	80°45'32.884"W	39.11	150.272	0.30	0.16	3.50	
1400.00	4.320	151.250	1398.38	-46.16	-40.53	22.91	1708503.81	14292453.03	39°21'29.579"N	80°45'32.840"W	46.56	150.521	0.13	0.10	-1.18	
1500.00	4.310	150.450	1498.10	-53.63	-47.10	26.57	1708507.47	14292446.46	39°21'29.514"N	80°45'32.793"W	54.08	150.567	0.06	-0.01	-0.80	
1600.00	4.160	144.050	1597.83	-60.87	-53.30	30.56	1708511.46	14292440.26	39°21'29.452"N	80°45'32.743"W	61.44	150.176	0.50	-0.15	-6.40	
1700.00	4.150	140.150	1697.57	-67.83	-59.02	35.01	1708515.90	14292434.54	39°21'29.396"N	80°45'32.686"W	68.62	149.327	0.28	-0.01	-3.90	
1800.00	4.650	156.510	1797.28	-75.33	-65.51	38.94	1708519.83	14292428.05	39°21'29.331"N	80°45'32.637"W	76.21	149.274	1.35	0.50	16.36	
1900.00	4.650	162.140	1896.95	-83.43	-73.09	41.80	1708522.69	14292420.48	39°21'29.257"N	80°45'32.600"W	84.20	150.236	0.46	0.00	5.63	
2000.00	2.890	155.230	1996.73	-89.99	-79.24	44.10	1708524.99	14292414.33	39°21'29.196"N	80°45'32.571"W	90.68	150.903	1.81	-1.76	-6.91	
2100.00	2.720	138.680	2096.61	-94.75	-83.31	46.72	1708527.61	14292410.26	39°21'29.155"N	80°45'32.538"W	95.52	150.716	0.82	-0.17	-16.55	
2200.00	2.590	146.980	2196.50	-99.20	-86.99	49.52	1708530.41	14292406.59	39°21'29.119"N	80°45'32.503"W	100.09	150.348	0.41	-0.13	8.30	
2300.00	1.840	149.710	2296.43	-103.01	-90.27	51.56	1708532.45	14292403.31	39°21'29.087"N	80°45'32.477"W	103.95	150.265	0.76	-0.75	-2.73	
2400.00	1.690	145.410	2396.38	-106.04	-92.87	53.21	1708534.10	14292400.71	39°21'29.061"N	80°45'32.456"W	107.03	150.190	0.20	-0.15	-4.30	
2500.00	1.510	141.830	2496.34	-108.74	-95.12	54.86	1708535.75	14292398.46	39°21'29.038"N	80°45'32.435"W	109.80	150.026	0.21	-0.18	-3.58	
2600.00	1.170	152.470	2596.31	-111.02	-97.06	56.14	1708537.03	14292396.52	39°21'29.019"N	80°45'32.419"W	112.13	149.952	0.42	-0.34	10.64	
2700.00	0.900	156.810	2696.30	-112.82	-98.68	56.93	1708537.81	14292394.89	39°21'29.003"N	80°45'32.409"W	113.93	150.022	0.28	-0.27	4.34	
2800.00	0.430	145.130	2796.29	-113.97	-99.71	57.45	1708538.34	14292393.86	39°21'28.993"N	80°45'32.402"W	115.08	150.052	0.49	-0.47	-11.68	



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Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

WELLPATH DATA (190 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
2900.00	0.130	90.370	2896.29	-114.38	-100.02	57.78	1708538.66	14292393.56	39°21'28.990"N	80°45'32.398"W	115.51	149.988	0.37	-0.30	-54.76	
3000.00	0.250	273.070	2996.29	-114.33	-100.01	57.67	1708538.56	14292393.57	39°21'28.990"N	80°45'32.399"W	115.45	150.030	0.38	0.12	-177.30	
3100.00	0.370	262.240	3096.29	-114.16	-100.04	57.14	1708538.02	14292393.54	39°21'28.990"N	80°45'32.406"W	115.21	150.269	0.13	0.12	-10.83	
3200.00	0.660	280.200	3196.28	-113.78	-99.99	56.25	1708537.14	14292393.59	39°21'28.990"N	80°45'32.417"W	114.72	150.639	0.33	0.29	17.96	
3300.00	0.730	278.520	3296.27	-113.15	-99.79	55.05	1708535.94	14292393.79	39°21'28.992"N	80°45'32.433"W	113.97	151.115	0.07	0.07	-1.68	
3400.00	0.900	276.100	3396.26	-112.45	-99.61	53.64	1708534.53	14292393.97	39°21'28.994"N	80°45'32.451"W	113.14	151.698	0.17	0.17	-2.42	
3500.00	1.140	258.290	3496.25	-111.90	-99.73	51.89	1708532.78	14292393.85	39°21'28.993"N	80°45'32.473"W	112.42	152.514	0.39	0.24	-17.81	
3600.00	0.830	254.420	3596.23	-111.65	-100.13	50.21	1708531.10	14292393.45	39°21'28.989"N	80°45'32.494"W	112.01	153.366	0.32	-0.31	-3.87	
3700.00	0.560	85.660	3696.23	-111.71	-100.28	50.00	1708530.89	14292393.30	39°21'28.988"N	80°45'32.497"W	112.06	153.498	1.38	-0.27	-168.76	
3800.00	3.070	87.260	3796.17	-112.75	-100.12	53.17	1708534.05	14292393.46	39°21'28.989"N	80°45'32.457"W	113.36	152.030	2.51	2.51	1.60	
3900.00	3.300	83.020	3896.02	-114.37	-99.64	58.70	1708539.58	14292393.94	39°21'28.994"N	80°45'32.386"W	115.65	149.498	0.33	0.23	-4.24	
4000.00	3.730	97.530	3995.83	-116.72	-99.72	64.78	1708545.66	14292393.86	39°21'28.993"N	80°45'32.309"W	118.91	146.991	0.98	0.43	14.51	
4100.00	5.190	109.500	4095.53	-121.32	-101.65	72.27	1708553.15	14292391.93	39°21'28.973"N	80°45'32.213"W	124.72	144.590	1.72	1.46	11.97	
4200.00	8.360	106.110	4194.82	-128.81	-105.18	83.52	1708564.40	14292388.40	39°21'28.938"N	80°45'32.070"W	134.31	141.549	3.19	3.17	-3.39	
4300.00	10.870	102.610	4293.41	-138.65	-109.26	99.71	1708580.58	14292384.33	39°21'28.898"N	80°45'31.864"W	147.92	137.617	2.58	2.51	-3.50	
4400.00	14.320	100.800	4390.99	-150.71	-113.64	121.06	1708601.93	14292379.95	39°21'28.854"N	80°45'31.593"W	166.04	133.187	3.47	3.45	-1.81	
4500.00	16.680	93.670	4487.36	-163.62	-116.87	147.52	1708628.37	14292376.72	39°21'28.821"N	80°45'31.256"W	188.21	128.387	3.01	2.34	-7.13	
4600.00	15.450	87.220	4583.46	-174.22	-117.14	175.13	1708655.98	14292376.44	39°21'28.818"N	80°45'30.904"W	210.70	123.777	2.15	-1.21	-6.45	
4700.00	14.560	87.330	4680.05	-182.77	-115.91	201.00	1708681.83	14292377.67	39°21'28.829"N	80°45'30.575"W	232.02	119.971	0.89	-0.89	0.11	
4800.00	16.930	98.080	4776.31	-194.23	-117.37	227.98	1708708.80	14292376.21	39°21'28.814"N	80°45'30.232"W	256.42	117.241	3.75	2.37	10.75	
4900.00	17.330	108.200	4871.90	-211.14	-124.07	256.55	1708737.36	14292369.52	39°21'28.747"N	80°45'29.868"W	284.97	115.809	3.00	0.40	10.12	
5000.00	17.430	103.840	4967.34	-229.53	-132.31	285.24	1708766.04	14292361.29	39°21'28.665"N	80°45'29.503"W	314.43	114.884	1.31	0.10	-4.36	
5100.00	17.250	94.040	5062.81	-244.81	-136.94	314.58	1708795.36	14292356.66	39°21'28.618"N	80°45'29.130"W	343.09	113.523	2.92	-0.18	-9.80	
5200.00	17.300	87.860	5158.31	-256.37	-137.43	344.23	1708825.00	14292356.17	39°21'28.613"N	80°45'28.752"W	370.65	111.763	1.84	0.05	-6.18	
5300.00	16.840	82.400	5253.91	-265.02	-134.95	373.45	1708854.21	14292356.64	39°21'28.636"N	80°45'28.380"W	397.08	109.868	1.67	-0.46	-5.46	
5400.00	15.290	86.840	5350.01	-272.88	-132.31	400.97	1708881.72	14292361.28	39°21'28.662"N	80°45'28.030"W	422.24	108.262	1.98	-1.55	4.44	
5500.00	16.880	93.140	5446.09	-283.31	-132.38	428.64	1708909.38	14292361.21	39°21'28.660"N	80°45'27.678"W	448.62	107.163	2.36	1.59	6.30	
5600.00	18.160	101.480	5541.47	-298.08	-136.28	458.41	1708939.14	14292357.32	39°21'28.621"N	80°45'27.299"W	478.24	106.556	2.81	1.28	8.34	
5700.00	17.650	99.320	5636.63	-314.56	-141.83	488.65	1708969.36	14292351.76	39°21'28.565"N	80°45'26.914"W	508.81	106.186	0.84	-0.51	-2.16	
5800.00	17.220	103.680	5732.04	-331.07	-147.79	517.99	1708998.69	14292345.81	39°21'28.506"N	80°45'26.541"W	538.66	105.924	1.37	-0.43	4.36	



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Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

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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
5900.00	18.360	106.040	5827.25	-349.41	-155.64	547.51	1709028.20	14292337.96	39°21'28.427"N	80°45'26.165"W	569.20	105.869	1.35	1.14	2.36	
5910.00	18.360	105.910	5836.75	-351.35	-156.51	550.54	1709031.23	14292337.09	39°21'28.419"N	80°45'26.127"W	572.35	105.870	0.41	0.00	-1.30	
6052.00	17.830	100.470	5971.73	-376.76	-166.59	593.43	1709074.10	14292327.01	39°21'28.318"N	80°45'25.581"W	616.37	105.681	1.25	-0.37	-3.83	BHI AT Curve <8-1/2">(5910)/(6052'-15928')
6113.00	16.860	98.160	6029.96	-386.22	-169.54	611.37	1709092.03	14292324.06	39°21'28.288"N	80°45'25.353"W	634.44	105.500	1.95	-1.59	-3.79	
6145.00	19.120	91.660	6060.39	-390.66	-170.35	621.20	1709101.86	14292323.25	39°21'28.280"N	80°45'25.227"W	644.14	105.335	9.44	7.06	-20.31	
6191.00	22.330	85.840	6103.42	-396.36	-169.94	637.45	1709118.11	14292323.67	39°21'28.284"N	80°45'25.021"W	659.72	104.927	8.28	6.98	-12.65	
6239.00	25.140	83.130	6147.35	-401.82	-168.06	656.67	1709137.32	14292325.55	39°21'28.302"N	80°45'24.776"W	677.84	104.355	6.28	5.85	-5.65	
6283.00	27.740	81.840	6186.75	-406.70	-165.49	676.09	1709156.74	14292328.12	39°21'28.327"N	80°45'24.528"W	696.05	103.754	6.05	5.91	-2.93	
6333.00	32.310	80.180	6230.03	-412.31	-161.55	700.79	1709181.42	14292332.05	39°21'28.365"N	80°45'24.214"W	719.17	102.982	9.29	9.14	-3.32	
6382.00	36.500	76.930	6270.45	-417.34	-156.02	727.91	1709208.53	14292337.58	39°21'28.419"N	80°45'23.868"W	744.44	102.098	9.33	8.55	-6.63	
6427.00	35.560	70.550	6306.85	-420.00	-148.63	753.29	1709233.90	14292344.96	39°21'28.491"N	80°45'23.545"W	767.81	101.162	8.59	-2.09	-14.18	
6474.00	34.310	62.830	6345.40	-419.41	-138.03	777.98	1709258.58	14292355.57	39°21'28.595"N	80°45'23.230"W	790.13	100.061	9.77	-2.66	-16.43	
6521.00	33.690	54.890	6384.39	-415.26	-124.48	800.44	1709281.03	14292369.11	39°21'28.729"N	80°45'22.944"W	810.06	98.839	9.53	-1.32	-16.89	
6568.00	33.390	47.130	6423.58	-407.69	-108.17	820.59	1709301.17	14292385.41	39°21'28.889"N	80°45'22.687"W	827.69	97.510	9.14	-0.64	-16.51	
6615.00	33.170	41.210	6462.88	-397.29	-89.70	838.54	1709319.12	14292403.88	39°21'29.071"N	80°45'22.458"W	843.32	96.106	6.93	-0.47	-12.60	
6633.00†	33.528	38.445	6477.92	-392.62	-82.10	844.88	1709325.45	14292411.47	39°21'29.146"N	80°45'22.377"W	848.86	95.550	8.68	1.99	-15.36	Sycamore: 6633' MD
6662.00	34.230	34.110	6502.00	-384.12	-69.07	854.43	1709335.00	14292424.50	39°21'29.275"N	80°45'22.255"W	857.22	94.622	8.68	2.42	-14.95	
6709.00	36.420	25.080	6540.37	-367.23	-45.47	867.77	1709348.33	14292448.09	39°21'29.508"N	80°45'22.084"W	868.96	92.999	12.04	4.66	-19.21	
6757.00	36.560	18.250	6578.98	-346.61	-18.98	878.29	1709358.85	14292474.57	39°21'29.769"N	80°45'21.949"W	878.50	91.238	8.46	0.29	-14.23	
6804.00	38.760	12.690	6616.19	-323.82	8.68	885.91	1709366.47	14292502.22	39°21'30.042"N	80°45'21.851"W	885.95	89.438	8.61	4.68	-11.83	
6851.00	42.580	6.060	6651.85	-297.67	38.87	890.82	1709371.38	14292532.40	39°21'30.341"N	80°45'21.788"W	891.67	87.501	12.26	8.13	-14.11	
6854.00†	42.810	5.679	6654.06	-295.87	40.90	891.03	1709371.59	14292534.42	39°21'30.361"N	80°45'21.785"W	891.97	87.372	11.52	7.65	-12.70	Middlesex: 6854' MD
6898.00	46.310	0.450	6685.41	-267.91	71.70	892.64	1709373.19	14292565.21	39°21'30.665"N	80°45'21.763"W	895.51	85.408	11.52	7.96	-11.88	
6945.00	50.200	357.360	6716.70	-235.15	106.75	891.94	1709372.50	14292600.24	39°21'31.011"N	80°45'21.771"W	898.30	83.175	9.62	8.28	-6.57	
6993.00	53.350	355.440	6746.40	-199.38	144.37	889.56	1709370.12	14292637.85	39°21'31.383"N	80°45'21.800"W	901.20	80.782	7.28	6.56	-4.00	
7040.00	56.230	353.480	6773.50	-162.55	182.58	885.83	1709366.39	14292676.05	39°21'31.761"N	80°45'21.846"W	904.45	78.354	7.03	6.13	-4.21	
7071.00†	57.729	351.082	6790.40	-137.36	208.34	882.33	1709362.89	14292701.79	39°21'32.016"N	80°45'21.890"W	906.60	76.715	8.05	4.84	-7.67	Burkett: 7071' MD
7086.00	58.470	349.960	6798.32	-124.93	220.90	880.24	1709360.80	14292714.35	39°21'32.140"N	80°45'21.916"W	907.53	75.912	8.05	4.94	-7.48	
7129.00†	59.851	344.930	6820.38	-88.53	256.91	872.20	1709352.77	14292750.35	39°21'32.496"N	80°45'22.017"W	909.25	73.587	10.54	3.21	-11.70	Tully: 7129' MD
7131.00	59.920	344.700	6821.38	-86.81	258.58	871.75	1709352.31	14292752.02	39°21'32.513"N	80°45'22.023"W	909.29	73.478	10.54	3.44	-11.52	



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Operator	ANTERO RESOURCES CORPORATION
Area	Doddrige Co., WV
Field	Doddrige
Facility	Melody Pad
Slot	Slot #09
Rexal Unit 1H	Rexal Unit 1H
Rexal Unit 1H AWP	Rexal Unit 1H AWP

MD	Inclination	Azimuth	TVD	Vert Sact	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DL5	Build Rate	Turn Rate	Comments
7180.00	1.240	340.130	6845.46	-44.27	299.25	858.85	1709339.42	14292792.67	39°21'32.915"N	80°45'22.186"W	909.49	70.790	8.56	2.69	-9.33	
7215.00†	64.199	337.909	6861.50	-13.18	328.28	847.71	1709328.28	14292821.69	39°21'33.202"N	80°45'22.327"W	909.05	68.830	10.16	8.46	-6.34	Hamilton: 7215' MD
7221.00	64.710	337.540	6864.09	-7.76	333.29	845.65	1709326.23	14292826.70	39°21'33.252"N	80°45'22.353"W	908.96	68.489	10.16	8.51	-6.15	
7240.00†	67.040	337.175	6871.85	9.58	349.30	838.98	1709319.56	14292842.70	39°21'33.410"N	80°45'22.437"W	908.79	67.396	12.39	12.27	-1.92	Marcellus: 7240' MD
7273.00	71.090	336.570	6883.64	40.38	377.63	826.87	1709307.46	14292871.02	39°21'33.690"N	80°45'22.590"W	909.03	65.454	12.39	12.27	-1.83	
7322.00	77.250	336.190	6897.00	87.48	420.81	807.99	1709288.58	14292914.18	39°21'34.118"N	80°45'22.829"W	911.00	62.489	12.59	12.57	-0.76	
7369.00	82.220	336.080	6905.37	133.69	463.09	789.29	1709269.87	14292956.44	39°21'34.536"N	80°45'23.056"W	915.11	59.599	10.57	10.57	-0.23	
7416.00	87.040	336.210	6909.77	180.45	505.87	770.37	1709250.97	14292999.21	39°21'34.959"N	80°45'23.305"W	921.61	56.709	10.26	10.26	0.28	
7463.00	90.310	336.960	6910.86	227.40	548.82	751.32	1709231.93	14293042.14	39°21'35.384"N	80°45'23.546"W	930.42	53.853	6.96	6.96	-0.53	
7557.00	90.340	330.010	6910.32	321.00	632.52	708.65	1709189.27	14293125.81	39°21'36.213"N	80°45'24.087"W	949.87	48.249	6.33	6.33	-6.33	
7651.00	90.250	333.470	6909.84	414.42	715.30	664.15	1709144.79	14293208.56	39°21'37.032"N	80°45'24.650"W	976.09	42.876	3.58	-0.10	3.68	
7745.00	90.340	341.710	6909.35	508.34	802.13	628.34	1709109.00	14293295.35	39°21'37.891"N	80°45'25.103"W	1018.93	38.073	8.77	0.10	8.77	
7839.00	90.310	346.710	6908.82	601.76	892.55	602.77	1709083.44	14293385.74	39°21'38.786"N	80°45'25.426"W	1077.02	34.033	5.32	-0.03	5.32	
7933.00	90.370	342.510	6908.26	695.11	983.16	577.83	1709058.51	14293476.31	39°21'39.682"N	80°45'25.740"W	1140.39	30.444	4.47	0.06	-4.47	
8027.00	90.370	337.70	6907.70	789.01	1071.60	546.08	1709026.77	14293564.72	39°21'40.557"N	80°45'26.141"W	1202.72	27.003	4.81	-0.06	-4.81	
8121.00	90.000	336.710	6907.45	883.00	1158.35	509.88	1708990.59	14293651.43	39°21'41.415"N	80°45'26.599"W	1265.60	23.758	1.40	-0.33	-1.36	
8215.00	90.000	335.610	6907.45	976.95	1244.33	471.88	1708952.61	14293737.38	39°21'42.266"N	80°45'27.080"W	1330.80	20.768	1.17	0.00	-1.17	
8309.00	89.940	336.380	6907.50	1070.89	1330.20	433.64	1708914.38	14293823.21	39°21'43.116"N	80°45'27.564"W	1399.10	18.056	0.82	-0.06	0.82	
8403.00	89.720	337.190	6907.78	1164.87	1416.59	396.59	1708877.34	14293909.57	39°21'43.970"N	80°45'28.033"W	1471.06	15.640	0.89	-0.23	0.86	
8498.00	90.060	336.750	6907.96	1259.86	1504.02	359.43	1708840.19	14293996.96	39°21'44.836"N	80°45'28.503"W	1546.37	13.440	0.59	0.36	-0.46	
8592.00	90.090	343.710	6907.84	1353.73	1592.42	327.65	1708808.43	14294085.33	39°21'45.710"N	80°45'28.904"W	1625.78	11.627	7.40	0.03	7.40	
8686.00	90.180	342.250	6907.52	1447.37	1682.30	300.14	1708780.93	14294175.17	39°21'46.599"N	80°45'29.252"W	1708.87	10.116	1.56	0.10	-1.55	
8780.00	90.120	335.270	6907.37	1541.30	1769.86	266.11	1708746.91	14294262.70	39°21'47.466"N	80°45'29.682"W	1789.75	8.551	7.43	-0.06	-7.43	
8874.00	90.000	338.920	6907.27	1635.27	1856.44	229.53	1708710.35	14294349.24	39°21'48.322"N	80°45'30.145"W	1870.57	7.048	3.89	-0.13	3.88	
8969.00	90.250	333.250	6907.06	1730.18	1943.24	191.03	1708671.87	14294436.01	39°21'49.181"N	80°45'30.632"W	1952.61	5.614	5.97	0.26	-5.97	
9062.00	89.880	331.910	6906.96	1822.76	2025.79	148.20	1708629.06	14294518.53	39°21'49.998"N	80°45'31.174"W	2031.21	4.184	1.49	-0.40	-1.44	
9156.00	89.910	336.360	6907.13	1916.53	2110.36	107.21	1708588.07	14294603.06	39°21'50.835"N	80°45'31.693"W	2113.08	2.908	4.73	0.03	4.73	
9250.00	90.520	339.090	6906.78	2010.52	2197.33	71.58	1708552.46	14294690.00	39°21'51.696"N	80°45'32.144"W	2198.50	1.866	2.98	0.65	2.90	
9345.00	90.710	338.520	6905.76	2105.50	2285.90	37.24	1708518.13	14294778.53	39°21'52.572"N	80°45'32.578"W	2286.20	0.933	0.63	0.20	-0.60	
9439.00	90.180	341.090	6905.03	2199.44	2374.11	4.79	1708485.70	14294866.71	39°21'53.445"N	80°45'32.988"W	2374.12	0.116	2.79	-0.56	2.73	

† = Interpolated/extrapolated station



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Rexal Unit 1H AWP Proj: 15972'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

WELLPATH DATA (190 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
9533.00	90.460	342.360	6904.50	2293.24	2463.37	-24.69	1708456.23	14294955.93	39°21'54.328"N	80°45'33.361"W	2463.49	359.426	1.38	0.30	1.35	
9527.00	90.460	342.480	6903.75	2386.96	2552.97	-53.08	1708427.85	14295045.50	39°21'55.214"N	80°45'33.719"W	2553.52	358.809	0.13	0.00	0.13	
9721.00	89.910	338.940	6903.44	2480.84	2641.68	-84.12	1708396.82	14295134.17	39°21'56.091"N	80°45'34.111"W	2643.02	358.176	3.81	-0.59	-3.77	
9815.00	89.630	337.810	6903.82	2574.83	2729.06	-118.77	1708362.19	14295221.52	39°21'56.956"N	80°45'34.550"W	2731.65	357.508	1.24	-0.30	-1.20	
9910.00	89.940	341.490	6904.18	2669.78	2818.12	-151.80	1708329.17	14295310.54	39°21'57.837"N	80°45'34.967"W	2822.20	356.917	3.89	0.33	3.87	
10004.00	90.150	335.680	6904.10	2763.73	2905.59	-186.10	1708294.88	14295397.98	39°21'58.703"N	80°45'35.401"W	2911.54	356.335	6.18	0.22	-6.18	
10097.00	90.280	334.390	6903.76	2856.60	2989.90	-225.35	1708255.65	14295482.25	39°21'59.537"N	80°45'35.898"W	2998.38	355.690	1.39	0.14	-1.39	
10191.00	90.180	332.670	6903.38	2950.31	3074.04	-267.25	1708213.77	14295566.36	39°22'00.370"N	80°45'36.428"W	3085.64	355.031	1.83	-0.11	-1.83	
10285.00	90.220	334.290	6903.05	3044.02	3158.15	-309.22	1708171.81	14295650.54	39°22'01.202"N	80°45'36.960"W	3173.25	354.408	1.72	0.04	1.72	
10380.00	90.280	335.420	6902.64	3138.91	3244.49	-348.83	1708132.22	14295736.74	39°22'02.056"N	80°45'37.461"W	3263.18	353.863	2.24	0.06	2.24	
10474.00	90.370	340.460	6902.10	3232.89	3331.89	-383.37	1708097.69	14295824.11	39°22'02.921"N	80°45'37.898"W	3353.87	353.436	4.30	0.10	4.30	
10568.00	90.280	341.250	6901.57	3326.77	3420.69	-414.19	1708066.88	14295912.87	39°22'03.800"N	80°45'38.288"W	3445.67	353.096	0.85	-0.10	0.84	
10662.00	90.250	339.160	6901.13	3420.69	3509.13	-446.03	1708035.06	14296001.28	39°22'04.674"N	80°45'38.690"W	3537.36	352.756	2.22	-0.03	-2.22	
10756.00	90.340	337.730	6900.65	3514.69	3596.55	-480.56	1708000.54	14296088.66	39°22'05.539"N	80°45'39.127"W	3628.51	352.389	1.52	0.10	-1.52	
10850.00	90.310	336.060	6900.12	3608.66	3683.01	-517.45	1707963.67	14296175.09	39°22'06.395"N	80°45'39.594"W	3719.18	352.003	1.78	-0.03	-1.78	
10944.00	90.310	337.650	6899.61	3702.64	3769.44	-554.39	1707926.74	14296261.48	39°22'07.250"N	80°45'40.061"W	3809.99	351.633	1.69	0.00	1.69	
11038.00	90.550	340.150	6898.90	3796.62	3857.13	-588.23	1707892.92	14296349.14	39°22'08.118"N	80°45'40.489"W	3901.72	351.329	2.67	0.26	2.66	
11132.00	90.280	338.740	6898.22	3890.58	3945.14	-621.23	1707859.93	14296437.11	39°22'08.988"N	80°45'40.906"W	3993.75	351.051	1.53	-0.29	-1.50	
11226.00	90.310	337.330	6897.74	3984.58	4032.31	-656.39	1707824.78	14296524.25	39°22'09.851"N	80°45'41.351"W	4085.38	350.754	1.50	0.03	-1.50	
11320.00	90.370	337.000	6897.18	4078.57	4118.94	-692.87	1707788.32	14296610.85	39°22'10.708"N	80°45'41.812"W	4176.81	350.451	0.36	0.06	-0.35	
11415.00	90.340	334.580	6896.59	4173.49	4205.58	-731.82	1707749.38	14296697.45	39°22'11.565"N	80°45'42.306"W	4268.78	350.129	2.55	-0.03	-2.55	
11509.00	90.220	334.760	6896.13	4267.33	4290.54	-772.04	1707709.18	14296782.38	39°22'12.406"N	80°45'42.815"W	4359.45	349.799	0.23	-0.13	0.19	
11603.00	90.490	334.950	6895.55	4361.18	4375.63	-811.98	1707669.25	14296867.43	39°22'13.248"N	80°45'43.320"W	4450.33	349.487	0.35	0.29	0.20	
11697.00	90.370	336.540	6894.84	4455.11	4461.33	-850.59	1707630.66	14296953.10	39°22'14.096"N	80°45'43.809"W	4541.69	349.206	1.70	-0.13	1.69	
11791.00	90.550	339.780	6894.09	4549.09	4548.57	-885.55	1707595.71	14297040.30	39°22'14.959"N	80°45'44.252"W	4633.97	348.983	3.45	0.19	3.45	
11885.00	90.430	338.250	6893.29	4643.07	4636.32	-919.22	1707562.06	14297128.03	39°22'15.827"N	80°45'44.677"W	4726.57	348.786	1.63	-0.13	-1.63	
11979.00	90.340	335.050	6892.65	4737.03	4722.61	-956.47	1707524.82	14297214.28	39°22'16.681"N	80°45'45.149"W	4818.50	348.551	3.41	-0.10	-3.40	
12073.00	90.340	340.360	6892.10	4830.99	4809.55	-992.11	1707489.19	14297301.19	39°22'17.541"N	80°45'45.600"W	4910.81	348.345	5.65	0.00	5.65	
12167.00	90.370	342.890	6891.51	4924.79	4898.75	-1021.74	1707459.57	14297390.35	39°22'18.424"N	80°45'45.974"W	5004.17	348.219	2.69	0.03	2.69	
12261.00	90.340	342.500	6890.93	5018.48	4988.49	-1049.70	1707431.82	14297480.06	39°22'19.312"N	80°45'46.327"W	5097.74	348.117	0.42	-0.03	-0.41	



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Actual Wellpath Report

Rexal Unit 1H AWP Proj: 15972'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

WELLPATH DATA (190 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
12355.00	90.400	340.140	6890.32	5112.31	5077.53	-1079.81	1707401.53	14297569.06	39°22'20.192"N	80°45'46.707"W	5191.08	347.994	2.51	0.06	-2.51	
12449.00	90.340	340.370	6889.72	5206.24	5166.01	-1111.56	1707369.79	14297657.50	39°22'21.068"N	80°45'47.109"W	5284.24	347.857	0.25	-0.06	0.24	
12543.00	90.090	338.870	6889.36	5300.20	5254.12	-1144.30	1707337.07	14297745.57	39°22'21.939"N	80°45'47.523"W	5377.28	347.713	1.62	-0.27	-1.60	
12637.00	89.820	335.470	6889.44	5394.17	5340.74	-1180.76	1707300.62	14297832.16	39°22'22.796"N	80°45'47.984"W	5469.71	347.533	3.63	-0.29	-3.62	
12731.00	90.150	332.280	6889.46	5487.92	5426.13	-1222.15	1707259.25	14297916.52	39°22'23.632"N	80°45'48.508"W	5561.08	347.305	3.41	0.35	-3.39	
12825.00	90.980	333.050	6888.54	5581.50	5508.63	-1265.31	1707216.10	14297999.98	39°22'24.458"N	80°45'49.055"W	5652.08	347.064	1.20	0.88	0.82	
12919.00	90.400	334.450	6887.40	5675.23	5592.92	-1306.88	1707174.55	14298084.24	39°22'25.292"N	80°45'49.582"W	5743.58	346.848	1.61	-0.62	1.49	
13013.00	89.970	337.750	6887.10	5769.17	5678.85	-1344.96	1707136.48	14298170.14	39°22'26.142"N	80°45'50.064"W	5835.95	346.676	3.54	-0.46	3.51	
13107.00	90.150	340.260	6887.00	5863.15	5766.60	-1378.64	1707102.82	14298257.86	39°22'27.011"N	80°45'50.490"W	5929.11	346.555	2.68	0.19	2.67	
13201.00	89.970	344.570	6886.90	5956.85	5856.19	-1407.03	1707074.44	14298347.41	39°22'27.897"N	80°45'50.848"W	6022.85	346.490	4.59	-0.19	4.59	
13295.00	90.060	337.290	6886.88	6050.66	5944.97	-1437.72	1707043.76	14298436.15	39°22'28.775"N	80°45'51.236"W	6116.35	346.405	7.75	0.10	-7.74	
13389.00	90.060	336.510	6886.78	6144.64	6031.43	-1474.60	1707006.90	14298522.58	39°22'29.630"N	80°45'51.703"W	6209.08	346.262	0.83	0.00	-0.83	
13483.00	90.550	337.700	6886.28	6238.63	6118.02	-1511.17	1706970.34	14298609.14	39°22'30.487"N	80°45'52.165"W	6301.89	346.126	1.37	0.52	1.27	
13577.00	90.550	337.390	6885.38	6332.62	6204.89	-1547.07	1706934.45	14298695.97	39°22'31.347"N	80°45'52.620"W	6394.85	346.000	0.33	0.00	-0.33	
13671.00	90.340	341.760	6884.65	6426.56	6292.96	-1579.86	1706901.67	14298784.00	39°22'32.218"N	80°45'53.034"W	6488.24	345.907	4.65	-0.22	4.65	
13765.00	89.970	336.440	6884.39	6520.51	6380.74	-1613.39	1706868.16	14298871.75	39°22'33.086"N	80°45'53.458"W	6581.56	345.810	5.67	-0.39	-5.66	
13859.00	90.310	327.610	6884.16	6613.90	6463.68	-1657.44	1706824.13	14298954.65	39°22'33.907"N	80°45'54.017"W	6672.80	345.618	9.40	0.36	-9.39	
13953.00	89.820	325.650	6884.06	6706.05	6542.18	-1709.14	1706772.45	14299033.12	39°22'34.684"N	80°45'54.672"W	6761.75	345.359	2.15	-0.52	-2.09	
14047.00	89.910	334.750	6884.28	6799.09	6623.66	-1755.80	1706725.80	14299114.57	39°22'35.491"N	80°45'55.264"W	6852.42	345.153	9.68	0.10	9.68	
14141.00	89.850	341.930	6884.47	6893.02	6710.98	-1790.48	1706691.14	14299201.84	39°22'36.355"N	80°45'55.703"W	6945.71	345.062	7.64	-0.08	7.64	
14235.00	89.970	340.390	6884.62	6986.88	6799.93	-1820.83	1706660.80	14299290.77	39°22'37.235"N	80°45'56.086"W	7039.49	345.009	1.64	0.13	-1.64	
14329.00	89.910	338.400	6884.72	7080.84	6887.91	-1853.91	1706627.74	14299378.72	39°22'38.105"N	80°45'56.505"W	7133.04	344.936	2.12	-0.06	-2.12	
14423.00	90.000	339.670	6884.79	7174.83	6975.68	-1887.54	1706594.12	14299466.46	39°22'38.974"N	80°45'56.930"W	7226.55	344.859	1.35	0.10	1.35	
14518.00	89.970	342.560	6884.82	7269.68	7065.56	-1918.29	1706563.38	14299556.30	39°22'39.863"N	80°45'57.318"W	7321.34	344.810	3.04	-0.03	3.04	
14612.00	90.180	344.250	6884.70	7363.25	7155.64	-1945.13	1706536.55	14299646.34	39°22'40.754"N	80°45'57.657"W	7415.30	344.793	1.81	0.22	1.80	
14706.00	89.880	340.660	6884.65	7456.96	7245.25	-1973.47	1706508.23	14299735.92	39°22'41.640"N	80°45'58.015"W	7509.21	344.763	3.83	-0.32	-3.82	
14799.00	89.940	340.420	6884.79	7549.86	7332.94	-2004.45	1706477.26	14299823.57	39°22'42.508"N	80°45'58.407"W	7601.96	344.712	0.27	0.06	-0.26	
14893.00	90.740	344.790	6884.23	7643.54	7422.62	-2032.54	1706449.17	14299913.21	39°22'43.395"N	80°45'58.762"W	7695.87	344.686	4.73	0.85	4.65	
14987.00	90.520	344.010	6883.20	7736.94	7513.15	-2057.82	1706423.91	14300003.71	39°22'44.290"N	80°45'59.081"W	7789.87	344.683	0.86	-0.23	-0.83	
15082.00	90.340	337.650	6882.49	7831.78	7602.83	-2089.00	1706392.74	14300093.36	39°22'45.177"N	80°45'59.475"W	7884.60	344.636	6.70	-0.19	-6.89	



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Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWB
Facility	Melody Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Rexal Unit 1H BHL Rev-2	6834.39	8329.35	-2393.00	1706088.86	14300819.58	39°22'52.366"N	80°46'03.322"W	point
Rexal Unit 1H POE Rev-2	6868.00	327.61	839.91	1709320.49	14292821.02	39°21'33.196"N	80°45'22.426"W	point
Rexal Unit 1H LP Rev-2	6908.00	508.88	766.67	1709247.28	14293002.22	39°21'34.989"N	80°45'23.352"W	point

WELLPATH COMPOSITION - Ref Wellbore: Rexal Unit 1H AWB Ref Wellpath: Rexal Unit 1H AWP Proj: 15972'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	5910.00	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MS Gyro <8-3/4">(100'-5910')	Rexal Unit 1H AWB
5910.00	15928.00	BHI AutoTrak Curve (Short)	02 BHI AT Curve <8-1/2">(5910')(6052'-15928')	Rexal Unit 1H AWB
15928.00	15972.00	Blind Drilling (std)	Projection to bit	Rexal Unit 1H AWB



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Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #09
Area	Doddridge Co., WV	Well	Rexal Unit 1H
Field	Doddridge	Wellbore	Rexal Unit 1H AWP
Facility	Melody Pad		

WELLPATH COMMENTS					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]		Comment
100.00	0.370	316.700	100.00		Gyrodata MS Gyro <8-3/4">(100'-5910')
6052.00	17.830	100.470	5971.73		BHI AT Curve <8-1/2">(5910')(6052'-15928')
6633.00	33.528	38.445	6477.92		Sycamore: 6633' MD
6854.00	42.810	5.679	6654.06		Middlesex: 6854' MD
7071.00	57.729	351.082	6790.40		Burkett: 7071' MD
7129.00	59.851	344.930	6820.38		Tully: 7129' MD
7215.00	64.199	337.909	6861.50		Hamilton: 7215' MD
7240.00	67.040	337.175	6871.85		Marcellus: 7240' MD
15972.00	90.620	336.960	6873.90		Projected MD at TD: 15972'

COMMENTS
<p>Wellpath general comments API #: 47-017-06477-0000 BHI Job #: 8019445 Rig: Patterson 347 Duration: 06.24.2016-06.28.2016 Gyrodata MS Gyro <8-3/4">(100'-5910') BHI AT Curve <8-1/2">(5910')(6052'-15928') Sycamore: 6633' MD Middlesex: 6854' MD Burkett: 7071' MD Tully: 7129' MD Hamilton: 7215' MD Marcellus: 7240' MD Projected MD at TD: 15972'</p>