



# ANTERO RESOURCES CORPORATION

Location: Doddridge Co., WV  
 Field: Doddridge  
 Facility: Strickling Pad

Slot: Slot #05  
 Well: Jimmy Unit 3H  
 Wellbore: Jimmy Unit 3H PWB



Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Strickling Pad	1701583.170	14282860.060	80° 47'01.270"W
Local N (ft)	Local E (ft)	Grid North (US ft)	Longitude
Slot #05	-7.20	1701533.706	39° 19'55.820"N
Comment	Jimmy Unit 3H	14282952.861	39° 19'55.820"N
Frontier 22 (RKB) to Ground level (At Slot: Slot #05)			24.5ft
Mean Sea Level to Ground level (At Slot: Slot #05)			-1065ft
Frontier 22 (RKB) to Mean Sea Level			1089.5ft

Well Data		
Slot	Well	Wellbore
Slot #05	Jimmy Unit 3H	Jimmy Unit 3H PWB
Slot #05	Jimmy Unit 3H	Jimmy Unit 3H PWB
Slot #05	Jimmy Unit 3H	Jimmy Unit 3H PWB

Gyrodata MS Gyro <17-1/2"> (100°-324') : 0.32° Inc, 109.50ft MD, 109.50ft TVD, 0.04ft VS

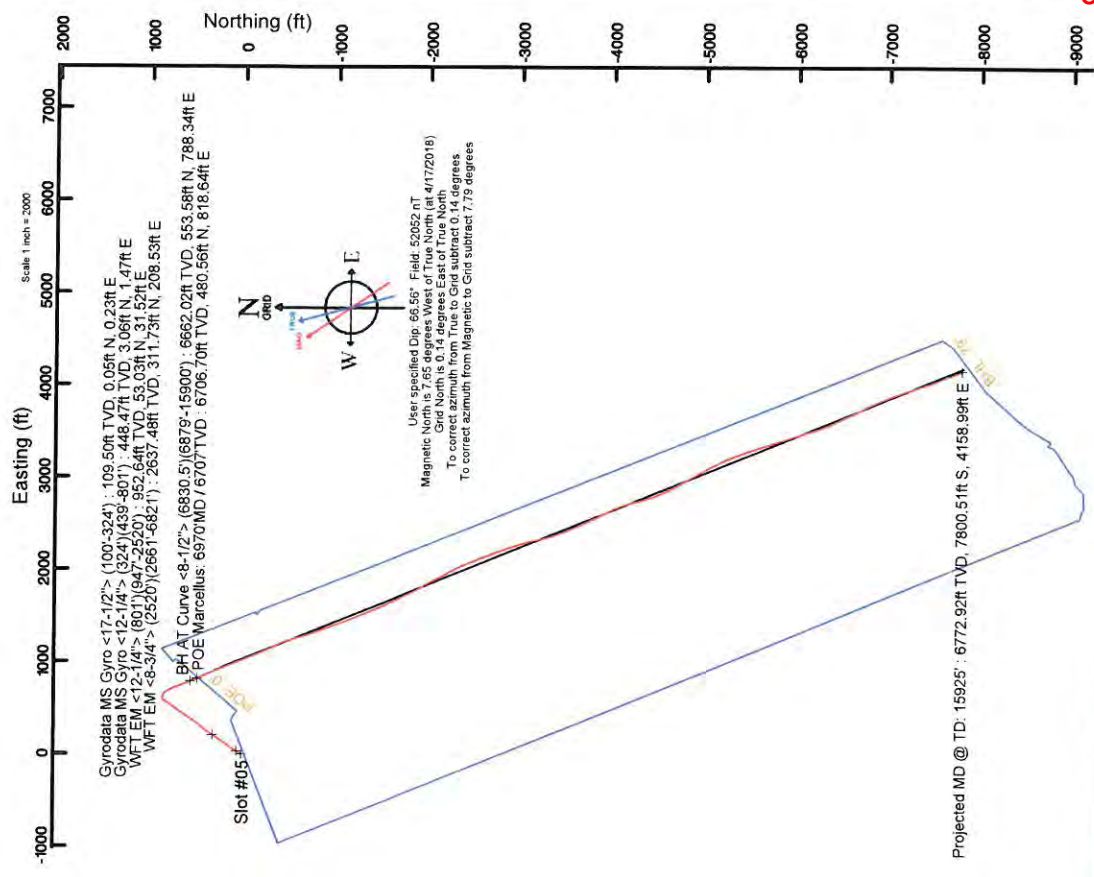
Gyrodata MS Gyro <12-1/4"> (324)(439-301) : 1.68° Inc, 448.50ft MD, 448.47ft TVD, -2.28ft VS

WFT EM <8-3/4"> (2520)(2661-6821) : 9.11° Inc, 2670.50ft MD, 2637.48ft TVD, -210.86ft VS

Well Profile Data	
Design Comment	VS (ft)
Tie On	-256.64
Proj. to Bottom	-195.51
POE	-154.78
Landing Pt.	24.25
Turn	133.28
On Azimuth	302.36
BHL	8813.36

Well Profile Data			
MD (ft)	Az (°)	Local N (ft)	Local E (ft)
6830.50	51.610	156.790	6632.99
6905.50	57.680	156.790	6676.37
6952.13	64.208	156.790	6699.00
7137.39	90.000	156.790	6740.00
7246.51	90.000	154.611	6740.00
7415.69	90.000	157.989	6740.00
15926.69	90.000	157.989	6740.00

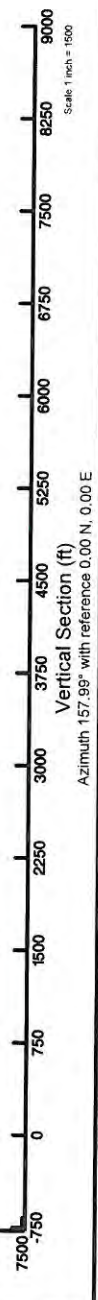
Plot reference wellpath is Jimmy Unit 3H PWB Rev-A.0  
 True vertical depths are referenced to Frontier 22 (RKB)  
 Measured depths are referenced to Frontier 22 (RKB)  
 Frontier 22 (RKB) to Mean Sea Level: 1089.5 feet  
 Mean Sea Level to Ground level (At Slot: Slot #05): -1065 feet  
 Coordinates are in feet referenced to Slot



Projected MD @ TD: 15925' : 90.92° Inc, 15925.00ft MD, 6772.92ft TVD, 8790.65ft VS

API: 47-017-06839-0000  
 BH Job #: 9116001  
 Rig: Frontier 22  
 Duration: 04/18/18 - 04/19/18

BH AT Curve <8-1/2"> (6830.5)(6879-15900) : 54.86° Inc, 6879.00ft MD, 6662.02ft TVD, -217.79ft VS  
 POE Marcellus: 6970MD / 6707TVD : 67.08° Inc, 6970.00ft MD, 6706.70ft TVD, -138.73ft VS





# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot #05	Jimmy Unit 3H
Area	Doddridge Co., WV	Well	Jimmy Unit 3H AWP
Field	Doddridge	Wellbore	Jimmy Unit 3H AWP
Facility	Strickling Pad		

REPORT SETUP INFORMATION	
Projection System	NAD27 / UTM Zone 17 North, US feet
North Reference	Grid
Scale	0.999604
Convergence at slot	0.14° East
Software System	WellArchitect® 5.1
User	McCrerib
Report Generated	5/22/2018 at 9:40:29 AM
Database/Source file	WA_MPL_EASTERNUS_Defn\Jimmy_Unit_3H_AWP_Proj_15925_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-7.20	-49.48	1701533.71	14282952.86	39°19'55.820"N	80°47'01.900"W
Facility Reference Pt			1701583.17	14282960.06	39°19'55.890"N	80°47'01.270"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM	
Calculation method	Minimum curvature
Horizontal Reference Pt	Slot
Vertical Reference Pt	Frontier 22 (RKB)
MD Reference Pt	Frontier 22 (RKB)
Field Vertical Reference	Mean Sea Level
	Frontier 22 (RKB) to Facility Vertical Datum
	Frontier 22 (RKB) to Mean Sea Level
	Frontier 22 (RKB) to Ground Level at Slot (Slot #05)
	Section Origin
	Section Azimuth
	24.50ft
	1089.50ft
	24.50ft
	N 0.00, E 0.00 ft
	157.99°

02/15/2019



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Doddridge Co., WV	Well	Jimmy Unit 3H
Field	Doddridge	Wellbore	Jimmy Unit 3H AWB
Facility	Strickling Pad		

## WELLPATH DATA (196 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	0.00	77.200	0.00	0.00	0.00	0.00	1701533.71	14282952.86	39°19'55.820"N	80°47'01.900"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.000	77.200	24.50	0.00	0.00	0.00	1701533.71	14282952.86	39°19'55.820"N	80°47'01.900"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.320	77.200	109.50	0.04	0.05	0.23	1701533.94	14282952.91	39°19'55.821"N	80°47'01.897"W	0.24	77.200	0.38	0.38	90.82	Gyrodatta MS Gyro <17-1/2"> (100'-324')
209.50	0.260	34.740	209.50	-0.04	0.30	0.63	1701534.34	14282953.16	39°19'55.823"N	80°47'01.892"W	0.70	64.578	0.22	-0.06	-42.46	
309.50	0.460	22.810	309.50	-0.45	0.86	0.92	1701534.62	14282953.72	39°19'55.828"N	80°47'01.888"W	1.26	46.955	0.21	0.20	-11.93	
333.50	0.420	28.700	333.50	-0.57	1.02	1.00	1701534.70	14282953.88	39°19'55.830"N	80°47'01.887"W	1.43	44.270	0.25	-0.17	24.54	
448.50	1.680	9.280	448.47	-2.28	3.06	1.47	1701535.18	14282955.92	39°19'55.850"N	80°47'01.881"W	3.39	25.711	1.12	1.10	-16.89	Gyrodatta MS Gyro <12-1/4"> (324')(439'-801')
539.50	3.830	21.120	539.36	-5.64	7.21	2.78	1701536.49	14282960.07	39°19'55.891"N	80°47'01.864"W	7.73	21.104	2.43	2.36	13.01	
630.50	5.930	31.290	630.03	-10.67	14.06	6.32	1701540.02	14282966.92	39°19'55.959"N	80°47'01.819"W	15.42	24.198	2.49	2.31	11.18	
720.50	7.330	34.610	719.43	-16.61	22.76	12.00	1701545.70	14282975.61	39°19'56.045"N	80°47'01.747"W	25.73	27.790	1.61	1.56	3.69	
810.50	8.560	34.190	808.56	-23.49	33.03	19.02	1701552.72	14282985.87	39°19'56.146"N	80°47'01.657"W	38.11	29.938	1.37	1.37	-0.47	
956.50	10.050	30.120	952.64	-37.36	53.03	31.52	1701565.21	14283005.87	39°19'56.343"N	80°47'01.497"W	61.69	30.724	1.12	1.02	-2.79	WFT EM <12-1/4"> (801')(947'-2520')
1051.50	10.070	30.920	1046.18	-47.45	67.33	39.95	1701573.64	14283020.16	39°19'56.485"N	80°47'01.390"W	78.29	30.681	0.15	0.02	0.84	
1145.50	10.450	31.580	1138.67	-57.47	81.64	48.63	1701582.32	14283034.47	39°19'56.626"N	80°47'01.279"W	95.03	30.782	0.42	0.40	0.70	
1240.50	10.600	33.070	1232.08	-67.58	96.30	57.91	1701591.60	14283049.13	39°19'56.770"N	80°47'01.160"W	112.38	31.021	0.33	0.16	1.57	
1334.50	10.680	35.610	1324.46	-77.19	110.63	67.70	1701601.38	14283063.45	39°19'56.912"N	80°47'01.035"W	129.70	31.465	0.51	0.09	2.70	
1429.50	10.330	34.300	1417.87	-86.63	124.82	77.63	1701611.30	14283077.64	39°19'57.052"N	80°47'00.908"W	146.99	31.878	0.45	-0.37	-1.38	
1524.50	10.320	32.860	1511.33	-96.26	139.01	87.05	1701620.72	14283091.81	39°19'57.192"N	80°47'00.788"W	164.01	32.054	0.27	-0.01	-1.52	
1618.50	11.160	36.670	1603.68	-105.83	153.38	97.05	1701630.71	14283106.18	39°19'57.334"N	80°47'00.660"W	181.50	32.323	1.17	0.89	4.05	
1712.50	11.740	39.270	1695.81	-115.15	168.08	108.53	1701642.20	14283120.87	39°19'57.479"N	80°47'00.514"W	200.07	32.852	0.83	0.62	2.77	
1807.50	12.500	38.250	1788.70	-124.90	183.63	121.02	1701654.67	14283136.42	39°19'57.632"N	80°47'00.354"W	219.92	33.385	0.83	0.80	-1.07	
1901.50	11.150	35.320	1880.70	-134.85	199.04	132.57	1701666.22	14283151.82	39°19'57.784"N	80°47'00.207"W	239.15	33.665	1.57	-1.44	-3.12	
1996.50	11.090	29.900	1973.92	-145.45	214.46	142.43	1701676.08	14283167.23	39°19'57.936"N	80°47'00.081"W	257.45	33.591	1.10	-0.06	-5.71	
2090.50	11.620	32.730	2066.08	-156.49	230.26	152.06	1701685.70	14283183.03	39°19'58.092"N	80°46'59.958"W	275.93	33.440	0.82	0.56	3.01	
2185.50	10.940	37.610	2159.25	-166.54	245.43	162.76	1701696.40	14283198.19	39°19'58.242"N	80°46'59.821"W	294.49	33.551	1.27	-0.72	5.35	
2279.50	9.590	35.670	2251.74	-175.21	258.84	172.79	1701706.43	14283211.59	39°19'58.374"N	80°46'59.693"W	311.21	33.726	1.49	-1.44	-2.28	
2374.50	9.990	32.920	2345.36	-184.18	272.18	181.99	1701716.52	14283224.93	39°19'58.506"N	80°46'59.577"W	327.36	33.753	0.65	0.42	-2.89	
2469.50	9.510	35.600	2438.98	-193.12	285.48	190.93	1701724.56	14283238.23	39°19'58.637"N	80°46'59.461"W	343.44	33.775	0.70	-0.51	2.82	
2529.50	8.880	35.660	2498.21	-198.25	293.27	196.52	1701730.14	14283246.02	39°19'58.714"N	80°46'59.390"W	353.03	33.825	1.05	-1.05	0.08	
2670.50	9.110	30.550	2637.48	-210.86	311.73	208.53	1701742.16	14283264.47	39°19'58.896"N	80°46'59.237"W	375.05	33.781	0.59	0.16	-3.62	WFT EM <8-3/4"> (2520')(2661'-6821')



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Doddridge Co., WV	Well	Jimmy Unit 3H
Field	Doddridge	Wellbore	Jimmy Unit 3H AWB
Facility	Strickling Pad		

## WELLPATH DATA (196 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 [F/100ft]	Build Rate [F/100ft]	Turn Rate [F/100ft]	Comments
2764.50	10.180	35.680	2730.15	-219.82	324.89	217.16	1701750.78	14283277.82	39°19'59.026"N	80°46'59.126"W	390.78	33.760	1.46	1.14	5.46	
2827.50	10.340	35.910	2792.14	-225.80	333.99	223.73	1701757.34	14283286.72	39°19'59.116"N	80°46'59.043"W	402.00	33.817	0.26	0.25	0.37	
2922.50	10.060	32.100	2885.64	-235.19	347.92	233.14	1701766.75	14283300.85	39°19'59.253"N	80°46'58.922"W	418.81	33.825	0.77	-0.29	-4.01	
3016.50	11.210	34.880	2978.03	-245.00	362.37	242.72	1701776.33	14283315.09	39°19'59.396"N	80°46'58.800"W	436.15	33.815	1.34	1.22	2.96	
3111.50	11.370	35.860	3071.19	-255.02	377.54	253.49	1701787.09	14283330.25	39°19'59.545"N	80°46'58.663"W	454.74	33.879	0.26	0.17	1.03	
3205.50	11.030	32.910	3163.40	-265.12	392.60	263.80	1701797.40	14283345.30	39°19'59.694"N	80°46'58.531"W	473.00	33.899	0.71	-0.36	-3.14	
3305.50	10.950	39.850	3261.57	-275.10	407.92	275.09	1701808.68	14283360.82	39°19'59.845"N	80°46'58.387"W	492.01	33.994	1.32	-0.08	6.94	
3399.50	10.990	38.990	3353.85	-283.65	421.74	286.45	1701820.04	14283374.43	39°19'59.982"N	80°46'58.242"W	509.82	34.184	0.18	0.04	-0.91	
3493.50	10.810	35.890	3446.16	-292.68	435.84	297.25	1701830.84	14283388.53	39°20'00.121"N	80°46'58.104"W	527.56	34.294	0.65	-0.19	-3.30	
3587.50	11.320	39.910	3538.41	-301.71	450.06	308.34	1701841.92	14283402.74	39°20'00.261"N	80°46'57.962"W	545.55	34.415	0.98	0.54	4.28	
3681.50	11.820	41.940	3630.50	-310.28	464.30	320.69	1701854.27	14283416.98	39°20'00.401"N	80°46'57.805"W	564.29	34.633	0.69	0.53	2.16	
3775.50	11.790	39.400	3722.51	-319.10	478.88	333.22	1701866.79	14283431.55	39°20'00.545"N	80°46'57.645"W	583.41	34.831	0.55	-0.03	-2.70	
3869.50	11.820	37.330	3814.53	-328.61	493.96	345.15	1701878.72	14283446.62	39°20'00.694"N	80°46'57.492"W	602.60	34.944	0.45	0.03	-2.20	
3964.50	11.650	36.420	3907.54	-338.59	509.41	356.75	1701890.31	14283462.07	39°20'00.846"N	80°46'57.344"W	621.91	35.004	0.26	-0.18	-0.96	
4058.50	11.590	34.190	3999.63	-348.78	524.82	367.66	1701901.22	14283477.47	39°20'00.998"N	80°46'57.205"W	640.79	35.013	0.49	-0.13	-2.37	
4153.50	11.580	32.300	4092.70	-359.63	540.74	378.09	1701911.65	14283493.38	39°20'01.155"N	80°46'57.072"W	659.81	34.962	0.40	0.05	-1.99	
4247.50	11.270	35.140	4184.84	-370.11	556.22	388.42	1701921.97	14283508.86	39°20'01.308"N	80°46'56.940"W	678.42	34.927	0.68	-0.33	3.02	
4341.50	11.260	34.620	4277.02	-380.15	571.30	398.93	1701932.48	14283523.93	39°20'01.457"N	80°46'56.806"W	698.80	34.926	0.11	0.01	-0.55	
4436.50	11.640	32.070	4370.13	-390.89	587.07	409.30	1701942.84	14283539.89	39°20'01.613"N	80°46'56.673"W	715.66	34.884	0.65	0.38	-2.68	
4529.50	11.070	35.450	4461.32	-401.17	602.25	419.43	1701952.97	14283554.87	39°20'01.762"N	80°46'56.544"W	733.91	34.855	0.98	-0.68	3.63	
4624.50	10.770	36.410	4554.61	-410.70	616.78	429.96	1701963.50	14283569.40	39°20'01.906"N	80°46'56.409"W	751.86	34.880	0.32	-0.25	1.01	
4718.50	11.570	34.080	4646.83	-420.55	631.66	440.46	1701973.99	14283584.27	39°20'02.053"N	80°46'56.275"W	770.06	34.888	0.98	0.85	-2.48	
4812.50	12.060	33.110	4738.84	-431.43	647.69	451.10	1701984.63	14283600.30	39°20'02.211"N	80°46'56.139"W	789.30	34.856	0.56	0.52	-1.03	
4907.50	11.930	35.290	4831.76	-442.41	664.02	462.20	1701995.72	14283616.62	39°20'02.372"N	80°46'55.998"W	809.04	34.870	0.50	-0.14	2.29	
5001.50	10.630	38.010	4923.95	-451.99	678.78	473.15	1702006.67	14283633.37	39°20'02.518"N	80°46'55.858"W	827.42	34.879	1.49	-1.38	2.89	
5096.50	11.400	38.430	5017.20	-461.00	693.04	484.38	1702017.89	14283645.63	39°20'02.658"N	80°46'55.714"W	845.54	34.950	0.81	0.81	0.44	
5191.50	11.600	34.990	5110.29	-470.83	708.22	495.69	1702029.20	14283660.80	39°20'02.808"N	80°46'55.570"W	864.46	34.989	0.75	0.21	-3.62	
5285.50	10.170	32.110	5202.60	-480.85	722.99	505.53	1702039.03	14283675.57	39°20'02.954"N	80°46'55.444"W	882.20	34.962	1.63	-1.52	-3.06	
5380.50	10.990	30.670	5295.98	-491.25	737.89	514.60	1702048.10	14283690.45	39°20'03.101"N	80°46'55.328"W	899.61	34.892	0.91	0.86	-1.52	
5474.50	10.280	30.920	5388.37	-501.74	752.79	523.48	1702056.98	14283705.35	39°20'03.248"N	80°46'55.215"W	916.91	34.814	0.76	-0.76	0.27	



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot #05
Area	Doddridge Co., WV	Jimmy Unit 3H
Field	Doddridge	Jimmy Unit 3H AWB
Facility	Strickling Pad	

## WELLPATH DATA (196 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
5569.50	9.190	38.740	5482.00	-510.56	765.98	532.59	1702066.08	14283718.54	39°20'03.378"N	80°46'55.099"W	932.94	34.811	1.80	-1.15	8.23	
5663.50	9.780	41.960	5574.72	-517.73	777.77	542.62	1702076.11	14283730.32	39°20'03.494"N	80°46'54.971"W	948.35	34.902	0.84	0.63	3.43	
5758.50	11.570	38.590	5668.07	-525.95	791.22	553.96	1702087.45	14283743.77	39°20'03.627"N	80°46'54.826"W	965.87	34.997	1.99	1.88	-3.55	
5852.50	12.240	32.870	5760.05	-536.31	806.96	565.25	1702099.73	14283759.50	39°20'03.782"N	80°46'54.682"W	985.23	35.010	1.44	0.71	-6.09	
5947.50	12.330	31.550	5852.87	-548.13	824.06	576.02	1702109.50	14283776.59	39°20'03.951"N	80°46'54.544"W	1005.42	34.954	0.91	0.09	-1.39	
6041.50	11.710	35.860	5944.81	-559.16	840.34	586.86	1702120.33	14283792.87	39°20'04.112"N	80°46'54.406"W	1024.98	34.929	1.16	-0.66	4.59	
6104.50	9.870	61.790	6006.75	-563.18	848.07	595.25	1702128.71	14283800.59	39°20'04.157"N	80°46'54.355"W	1031.03	34.966	8.02	-4.34	35.41	
6136.50	9.670	76.310	6038.29	-563.09	850.00	600.27	1702133.74	14283802.52	39°20'04.207"N	80°46'54.299"W	1036.12	35.084	8.36	-1.45	47.10	
6168.50	10.740	87.900	6069.79	-561.68	850.75	605.87	1702139.33	14283803.27	39°20'04.214"N	80°46'54.164"W	1044.43	35.457	7.22	3.34	36.22	
6199.50	13.690	95.810	6100.09	-558.99	850.48	612.40	1702145.87	14283801.75	39°20'04.199"N	80°46'53.975"W	1048.02	35.756	10.92	9.52	25.52	
6231.50	16.810	100.810	6130.96	-554.71	849.23	620.72	1702154.18	14283801.75	39°20'04.176"N	80°46'53.857"W	1051.89	36.184	10.57	9.75	15.63	
6262.50	19.160	106.940	6160.44	-549.08	846.91	629.99	1702163.45	14283799.43	39°20'04.136"N	80°46'53.730"W	1055.53	36.645	9.72	7.58	19.77	
6294.50	20.220	116.520	6190.58	-541.63	842.90	639.97	1702173.42	14283781.75	39°20'04.078"N	80°46'53.610"W	1058.32	37.207	10.60	3.31	29.94	
6325.50	21.750	126.100	6219.53	-532.74	837.13	649.40	1702182.85	14283789.65	39°20'04.000"N	80°46'53.492"W	1059.48	37.803	12.10	4.94	30.90	
6357.50	23.070	134.680	6249.12	-521.94	829.22	658.65	1702192.10	14283761.90	39°20'03.909"N	80°46'53.387"W	1058.98	38.460	11.01	4.13	26.81	
6388.50	24.090	140.760	6277.54	-510.32	820.05	666.98	1702200.42	14283772.58	39°20'03.803"N	80°46'53.283"W	1057.04	39.123	8.50	3.29	19.61	
6420.50	25.740	144.050	6306.56	-497.34	809.37	675.19	1702208.63	14283750.50	39°20'03.690"N	80°46'53.185"W	1054.02	39.836	6.73	5.16	10.28	
6451.50	27.020	147.840	6334.33	-483.87	797.95	682.89	1702216.32	14283737.75	39°20'03.564"N	80°46'53.089"W	1050.27	40.557	6.82	4.13	12.23	
6483.50	28.170	150.870	6362.69	-469.22	785.20	690.44	1702223.87	14283724.71	39°20'03.435"N	80°46'53.002"W	1045.58	41.326	5.67	3.59	9.47	
6514.50	28.740	153.200	6389.95	-454.53	772.16	697.36	1702230.79	14283710.74	39°20'03.297"N	80°46'52.911"W	1040.45	42.086	4.03	1.84	7.52	
6546.50	30.020	152.660	6417.83	-438.89	758.18	704.50	1702237.93	14283696.49	39°20'03.156"N	80°46'52.822"W	1034.97	42.898	4.08	-1.69	6.87	
6577.50	31.680	154.790	6444.45	-423.04	743.92	711.53	1702244.96	14283680.86	39°20'03.001"N	80°46'52.734"W	1029.42	43.725	6.41	5.35	6.87	
6609.50	32.910	157.410	6471.50	-405.96	728.29	718.45	1702251.87	14283664.70	39°20'02.841"N	80°46'52.650"W	1023.03	44.517	9.21	3.84	8.19	
6640.50	35.750	157.940	6497.10	-388.48	712.12	725.09	1702258.51	14283646.65	39°20'02.662"N	80°46'52.561"W	1016.30	45.517	9.21	9.16	1.71	
6672.50	38.850	159.370	6522.55	-369.09	694.06	732.14	1702265.55	14283627.95	39°20'02.477"N	80°46'52.474"W	1008.83	46.529	10.06	9.69	4.47	
6703.50	41.280	159.960	6546.27	-349.15	675.35	739.07	1702272.48	14283607.61	39°20'02.276"N	80°46'52.378"W	1001.16	47.579	7.87	7.77	1.90	
6735.50	44.170	159.350	6569.78	-327.46	655.01	746.62	1702280.03	14283586.27	39°20'02.065"N	80°46'52.274"W	993.21	48.740	9.19	9.09	-1.91	
6767.50	47.230	158.270	6592.13	-304.56	633.66	754.90	1702288.31	14283564.85	39°20'01.853"N	80°46'52.161"W	985.59	49.990	9.86	9.56	-3.38	
6798.50	49.660	156.660	6612.69	-281.37	612.24	763.79	1702297.20	14283548.85			978.88	51.285	8.75	7.84	-5.19	



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #05
Operator	ANTERO RESOURCES CORPORATION	Well	Jimmy Unit 3H
Area	Doddridge Co., WV	Wellbore	Jimmy Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (196 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
6816.00	50.726	156.732	6623.90	-267.93	599.89	769.11	1702302.51	14283552.51	39°20'01.73"N	80°46'52.094"W	975.40	52.047	6.10	6.09	0.41	Burket: 6816'MD / 6624'TVD
6830.50	51.610	156.790	6632.99	-256.64	589.51	773.57	1702306.97	14283542.14	39°20'01.628"N	80°46'52.037"W	972.59	52.690	6.10	6.09	0.40	
6872.00	54.389	158.245	6657.96	-223.50	558.89	786.23	1702319.63	14283511.53	39°20'01.325"N	80°46'51.877"W	964.63	54.593	7.26	6.70	3.51	Tully: 6872'MD / 6658'TVD
6879.00	54.860	158.480	6662.02	-217.79	553.58	788.34	1702321.73	14283506.22	39°20'01.273"N	80°46'51.850"W	963.29	54.923	7.26	6.72	3.36	BH AT Curve <8-1/2"> (6830.5)(6879-15900)
6912.00	58.380	157.920	6680.17	-190.24	528.00	798.57	1702331.96	14283480.65	39°20'01.020"N	80°46'51.721"W	957.34	56.528	10.76	10.67	-1.70	
6947.00	63.668	156.876	6687.12	-159.63	499.75	810.34	1702343.73	14283452.41	39°20'00.740"N	80°46'51.572"W	952.05	58.337	15.33	15.10	-2.98	Hamilton: 6947'MD / 6697'TVD
6959.00	65.480	156.540	6702.27	-148.80	489.79	814.63	1702348.01	14283442.46	39°20'00.642"N	80°46'51.467"W	950.54	58.984	15.33	15.12	-2.80	
6970.00	67.078	156.504	6706.70	-138.73	480.56	818.64	1702352.02	14283433.23	39°20'00.550"N	80°46'51.296"W	949.27	59.586	14.53	14.53	-0.33	POE Marcellus: 6970'MD / 6707'TVD
7006.00	72.310	156.390	6719.18	-104.99	449.62	832.13	1702365.50	14283402.30	39°20'00.244"N	80°46'51.296"W	945.83	61.617	14.53	14.53	-0.32	
7054.00	78.070	156.470	6731.45	-58.63	407.10	850.68	1702384.04	14283359.80	39°19'59.823"N	80°46'51.062"W	943.07	64.428	12.00	12.00	0.17	
7101.00	82.250	156.590	6739.48	-12.34	364.63	869.12	1702402.48	14283317.35	39°19'59.403"N	80°46'50.828"W	942.51	67.240	8.90	8.88	0.26	
7148.00	88.490	156.250	6743.27	34.46	321.72	887.85	1702421.20	14283274.45	39°19'58.979"N	80°46'50.591"W	944.34	70.081	13.30	13.28	-0.72	
7243.00	89.110	157.400	6745.26	129.42	234.41	925.22	1702458.56	14283187.18	39°19'58.115"N	80°46'50.118"W	954.46	75.783	1.38	0.65	1.21	
7337.00	89.230	157.830	6746.62	223.41	147.50	961.02	1702494.34	14283100.30	39°19'57.255"N	80°46'49.665"W	972.27	81.274	0.47	0.13	0.46	
7432.00	89.110	158.100	6748.00	318.40	59.45	996.66	1702529.96	14283012.29	39°19'56.384"N	80°46'49.215"W	998.43	86.586	0.31	-0.13	0.28	
7534.00	89.690	157.950	6749.07	420.39	-35.14	1034.82	1702568.12	14282917.74	39°19'55.448"N	80°46'48.732"W	1035.42	91.945	0.59	0.57	-0.15	
7629.00	89.200	157.880	6749.99	515.39	-123.16	1070.54	1702603.82	14282829.75	39°19'54.577"N	80°46'48.280"W	1077.60	96.563	0.52	-0.52	-0.07	
7723.00	89.110	154.630	6752.80	704.30	-296.94	1144.72	1702639.47	14282742.82	39°19'53.717"N	80°46'47.829"W	1125.98	100.755	0.39	-0.10	-0.38	
7818.00	89.080	154.220	6754.25	799.11	-382.62	1185.73	1702718.96	14282656.04	39°19'52.858"N	80°46'47.341"W	1182.61	104.542	3.04	0.06	-3.04	
7913.00	89.880	159.210	6755.11	894.05	-469.85	1223.27	1702756.49	14282570.39	39°19'52.010"N	80°46'46.822"W	1245.93	107.884	0.44	-0.09	-0.43	
8008.00	89.320	163.000	6755.83	1083.47	-650.77	1281.15	1702814.35	14282483.20	39°19'51.147"N	80°46'46.347"W	1310.40	111.012	5.32	0.84	5.25	
8103.00	89.970	163.410	6755.24	988.87	-559.82	1253.70	1702786.91	14282393.26	39°19'50.257"N	80°46'45.963"W	1373.02	114.062	4.42	0.09	4.42	
8198.00	89.320	163.000	6755.83	1083.47	-650.77	1281.15	1702814.35	14282302.35	39°19'49.357"N	80°46'45.616"W	1436.96	116.928	0.81	-0.68	-0.43	
8292.00	89.080	162.890	6757.14	1177.11	-740.62	1308.72	1702841.90	14282212.53	39°19'48.469"N	80°46'45.268"W	1503.75	119.506	0.28	-0.26	-0.12	
8386.00	88.980	158.750	6758.73	1270.96	-829.37	1339.59	1702872.76	14282123.82	39°19'47.591"N	80°46'44.878"W	1575.65	121.763	4.40	-0.11	-4.40	
8481.00	89.450	161.040	6760.03	1365.90	-918.57	1372.24	1702905.40	14282034.66	39°19'46.708"N	80°46'44.465"W	1651.31	123.798	2.46	0.49	2.41	
8576.00	89.200	159.860	6761.15	1460.80	-1008.09	1404.03	1702937.17	14281945.18	39°19'45.823"N	80°46'44.064"W	1728.45	125.678	1.27	-0.26	-1.24	
8670.00	89.140	159.010	6762.51	1554.76	-1096.09	1437.04	1702970.18	14281857.21	39°19'44.952"N	80°46'43.646"W	1807.34	127.334	0.91	-0.06	-0.90	
8764.00	89.290	158.460	6763.80	1648.74	-1183.68	1471.13	1703004.25	14281769.65	39°19'44.086"N	80°46'43.215"W	1888.21	128.820	0.61	0.16	-0.59	
8859.00	89.170	157.590	6765.08	1743.73	-1271.77	1506.68	1703039.78	14281681.60	39°19'43.214"N	80°46'42.765"W	1971.67	130.167	0.92	-0.13	-0.92	



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'  
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #05
Operator	ANTERO RESOURCES CORPORATION	Well	Jimmy Unit 3H
Area	Doddridge Co., WV	Wellbore	Jimmy Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (196 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
8953.00	89.420	157.200	6766.23	1837.72	-1358.54	1542.81	1703075.90	14281594.86	39°19'42.356"N	80°46'42.308"W	2055.69	131.366	0.49	0.27	-0.41	
9048.00	89.570	156.660	6767.07	1932.70	-1445.94	1580.03	1703113.11	14281507.50	39°19'41.491"N	80°46'41.837"W	2141.78	132.463	0.59	0.16	-0.57	
9143.00	89.510	156.260	6767.83	2027.66	-1533.03	1617.97	1703151.03	14281420.44	39°19'40.629"N	80°46'41.357"W	2228.90	133.456	0.43	-0.06	-0.42	
9237.00	89.510	155.740	6768.64	2121.60	-1618.90	1656.20	1703189.25	14281334.61	39°19'39.780"N	80°46'40.873"W	2316.00	134.347	0.55	0.00	-0.55	
9332.00	89.480	154.860	6769.48	2216.49	-1705.20	1695.90	1703228.93	14281248.34	39°19'38.926"N	80°46'40.371"W	2404.95	135.157	0.93	-0.03	-0.93	
9427.00	89.480	154.120	6770.34	2311.31	-1790.94	1736.81	1703269.82	14281162.64	39°19'38.077"N	80°46'39.853"W	2494.79	135.879	0.78	0.00	-0.78	
9521.00	89.450	153.280	6771.22	2405.04	-1875.20	1778.46	1703311.45	14281078.41	39°19'37.244"N	80°46'39.326"W	2584.43	136.517	0.89	-0.03	-0.89	
9616.00	89.420	149.260	6772.15	2499.37	-1958.49	1824.11	1703357.09	14280995.15	39°19'36.419"N	80°46'38.747"W	2676.39	137.035	4.23	-0.03	-4.23	
9710.00	89.450	153.450	6773.08	2592.71	-2040.96	1869.16	1703402.12	14280912.71	39°19'35.603"N	80°46'38.177"W	2767.54	137.516	4.46	0.03	4.46	
9804.00	89.420	153.580	6774.01	2686.42	-2125.09	1911.08	1703444.02	14280828.62	39°19'34.771"N	80°46'37.646"W	2858.01	138.035	0.14	-0.03	0.14	
9899.00	89.260	149.010	6775.10	2780.74	-2208.39	1956.69	1703489.62	14280745.35	39°19'33.946"N	80°46'37.068"W	2950.53	138.458	4.81	-0.17	-4.81	
9994.00	89.570	152.500	6776.07	2874.97	-2291.26	2003.09	1703536.00	14280662.51	39°19'33.126"N	80°46'36.480"W	3043.39	138.839	3.69	0.33	3.67	
10088.00	89.380	156.730	6776.93	2968.78	-2376.16	2043.38	1703576.27	14280577.64	39°19'32.286"N	80°46'35.970"W	3133.93	139.306	4.50	-0.20	4.50	
10183.00	89.480	158.100	6777.88	3063.77	-2463.87	2079.86	1703612.74	14280489.97	39°19'31.418"N	80°46'35.509"W	3224.36	139.831	1.45	0.11	1.44	
10278.00	89.480	157.370	6778.74	3158.76	-2551.84	2115.70	1703648.57	14280402.03	39°19'30.548"N	80°46'35.056"W	3314.83	140.338	0.56	0.00	-0.56	
10372.00	89.290	159.420	6779.75	3252.75	-2639.29	2150.16	1703683.01	14280314.62	39°19'29.683"N	80°46'34.620"W	3404.27	140.831	1.98	-0.20	1.97	
10466.00	89.380	160.500	6780.84	3346.68	-2727.59	2182.37	1703715.20	14280226.35	39°19'28.809"N	80°46'34.213"W	3493.21	141.336	1.15	0.10	1.15	
10561.00	89.170	159.840	6782.04	3441.61	-2816.95	2214.59	1703747.41	14280137.03	39°19'27.925"N	80°46'33.806"W	3583.24	141.827	0.73	-0.22	-0.69	
10654.00	89.320	161.890	6783.27	3534.48	-2904.80	2245.07	1703777.88	14280049.21	39°19'27.056"N	80°46'33.420"W	3671.27	142.300	2.21	0.16	2.20	
10748.00	89.350	162.570	6784.36	3628.21	-2994.31	2273.76	1703806.56	14279959.74	39°19'26.171"N	80°46'33.058"W	3759.77	142.788	0.72	0.03	0.72	
10843.00	89.510	164.020	6785.30	3722.80	-3085.29	2301.06	1703833.85	14279868.79	39°19'25.271"N	80°46'32.714"W	3848.89	143.284	1.54	0.17	1.53	
10936.00	89.940	168.610	6785.75	3814.79	-3175.63	2323.06	1703855.84	14279778.50	39°19'24.377"N	80°46'32.437"W	3934.62	143.814	4.96	0.46	4.94	
11031.00	90.000	166.250	6785.80	3908.50	-3268.35	2343.73	1703876.51	14279685.82	39°19'23.460"N	80°46'32.177"W	4021.84	144.356	2.49	0.06	-2.48	
11125.00	89.540	161.900	6786.18	4001.95	-3358.71	2369.52	1703902.28	14279595.48	39°19'22.567"N	80°46'31.851"W	4110.42	144.798	4.65	-0.49	-4.63	
11219.00	89.320	159.330	6787.11	4095.84	-3447.71	2400.71	1703933.46	14279506.86	39°19'21.690"N	80°46'31.457"W	4200.93	145.147	2.74	-0.23	-2.73	
11314.00	89.350	157.900	6788.22	4190.82	-3535.53	2435.35	1703968.09	14279418.44	39°19'20.815"N	80°46'31.019"W	4293.37	145.442	1.51	0.03	-1.51	
11408.00	89.320	156.460	6789.31	4284.80	-3622.46	2471.80	1704004.53	14279331.84	39°19'19.957"N	80°46'30.558"W	4385.43	145.692	1.53	-0.03	-1.53	
11503.00	89.320	154.430	6790.44	4379.70	-3708.86	2511.28	1704043.98	14279245.48	39°19'19.102"N	80°46'30.059"W	4479.08	145.898	2.14	0.00	-2.14	
11597.00	89.350	154.250	6791.53	4473.50	-3793.58	2551.98	1704084.67	14279160.79	39°19'18.264"N	80°46'29.543"W	4572.07	146.071	0.19	0.03	-0.19	
11692.00	89.350	154.290	6792.60	4568.29	-3879.16	2593.22	1704125.89	14279075.25	39°19'17.417"N	80°46'29.021"W	4666.12	146.237	0.04	0.00	0.04	



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #05
Operator	ANTERO RESOURCES CORPORATION	Well	Jimmy Unit 3H
Area	Doddridge Co., WV	Wellbore	Jimmy Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (196 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
11786.00	89.320	154.540	6793.70	4662.10	-3963.93	2633.81	1704166.47	14278990.50	39°19'16.578"N	80°46'28.508"W	4759.17	146.398	0.27	-0.03	0.27	
11880.00	89.510	156.460	6794.65	4756.01	-4049.46	2672.79	1704205.43	14278905.01	39°19'15.732"N	80°46'28.014"W	4852.00	146.574	2.05	0.20	2.04	
11975.00	89.570	161.880	6795.42	4850.95	-4138.22	2706.55	1704239.18	14278816.29	39°19'14.854"N	80°46'27.587"W	4944.72	146.814	5.71	0.06	5.71	
12069.00	89.720	165.340	6796.00	4944.48	-4228.38	2733.07	1704265.69	14278726.16	39°19'13.962"N	80°46'27.253"W	5034.77	147.123	3.68	0.16	3.68	
12164.00	90.740	165.360	6795.62	5038.70	-4320.29	2757.10	1704289.71	14278634.29	39°19'13.053"N	80°46'26.950"W	5125.09	147.455	1.07	1.07	0.02	
12258.00	90.090	160.380	6794.94	5132.32	-4410.09	2784.78	1704317.38	14278544.53	39°19'12.165"N	80°46'26.601"W	5215.73	147.729	5.34	-0.69	-5.30	
12353.00	90.090	158.610	6794.79	5227.29	-4499.07	2818.05	1704350.64	14278455.58	39°19'11.285"N	80°46'26.180"W	5308.77	147.938	1.86	0.00	-1.86	
12449.00	90.090	155.980	6794.64	5323.27	-4587.62	2855.11	1704387.68	14278367.07	39°19'10.409"N	80°46'25.712"W	5403.51	148.104	2.74	0.00	-2.74	
12543.00	90.120	151.340	6794.47	5416.98	-4671.84	2896.80	1704429.36	14278282.88	39°19'09.575"N	80°46'25.184"W	5497.05	148.199	4.94	0.03	-4.94	
12638.00	90.120	150.090	6794.27	5511.21	-4754.69	2943.27	1704475.81	14278200.06	39°19'08.755"N	80°46'24.595"W	5591.95	148.241	1.32	0.00	-1.32	
12733.00	89.940	152.440	6794.22	5605.55	-4837.99	2988.94	1704521.46	14278116.80	39°19'07.931"N	80°46'23.419"W	5686.82	148.292	2.48	-0.19	-2.47	
12828.00	89.170	148.040	6794.96	5699.65	-4920.44	3036.08	1704568.58	14278034.38	39°19'07.115"N	80°46'22.819"W	5781.74	148.324	4.70	-0.81	-4.63	
12922.00	89.910	151.420	6795.71	5792.66	-5001.61	3083.45	1704615.93	14277953.24	39°19'06.311"N	80°46'22.262"W	5875.69	148.346	3.68	0.79	3.60	
13017.00	89.940	153.360	6795.83	5887.20	-5085.78	3127.48	1704659.94	14277869.10	39°19'05.478"N	80°46'21.723"W	5970.45	148.411	2.04	0.03	2.04	
13112.00	90.150	153.450	6795.76	5981.90	-5170.73	3170.01	1704702.46	14277784.19	39°19'04.638"N	80°46'21.242"W	6065.10	148.489	0.24	0.22	0.09	
13207.00	90.120	159.310	6795.54	6076.82	-5257.73	3208.06	1704740.49	14277697.22	39°19'03.777"N	80°46'20.999"N	6159.17	148.610	6.17	-0.03	6.17	
13301.00	87.810	158.740	6797.23	6170.78	-5345.48	3241.70	1704774.11	14277609.50	39°19'02.909"N	80°46'20.817"W	6251.62	148.766	2.53	-2.46	-0.61	
13396.00	90.030	160.140	6799.02	6265.73	-5434.41	3275.05	1704807.45	14277520.61	39°19'02.029"N	80°46'20.395"W	6344.98	148.925	2.76	2.34	1.47	
13491.00	90.120	160.850	6798.90	6360.64	-5523.96	3306.77	1704839.16	14277431.10	39°19'01.143"N	80°46'19.995"W	6438.08	149.094	0.75	0.09	0.75	
13585.00	90.090	163.130	6798.73	6454.40	-5613.35	3335.83	1704868.21	14277341.75	39°19'00.259"N	80°46'19.628"W	6529.73	149.278	2.43	-0.03	2.43	
13679.00	90.090	162.720	6798.58	6548.05	-5703.20	3363.43	1704895.80	14277251.93	39°18'59.370"N	80°46'19.279"W	6621.12	149.470	0.44	0.00	-0.44	
13774.00	90.090	163.170	6798.43	6642.70	-5794.02	3391.29	1704923.65	14277161.14	39°18'58.472"N	80°46'18.928"W	6713.54	149.659	0.47	0.00	0.47	
13868.00	90.150	162.650	6798.23	6736.35	-5883.87	3418.92	1704951.26	14277071.33	39°18'57.583"N	80°46'18.579"W	6805.07	149.841	0.56	0.06	-0.55	
13962.00	90.250	160.810	6797.91	6830.15	-5973.13	3448.39	1704980.72	14276982.11	39°18'56.700"N	80°46'18.207"W	6897.08	150.001	1.96	0.11	-1.96	
14057.00	90.090	162.260	6797.82	6924.96	-6063.24	3478.47	1705010.80	14276892.04	39°18'55.809"N	80°46'17.827"W	6990.18	150.157	1.54	-0.17	1.53	
14152.00	90.060	163.690	6797.50	7019.60	-6154.07	3506.29	1705038.60	14276801.24	39°18'54.910"N	80°46'17.476"W	7082.84	150.328	1.51	-0.03	1.51	
14247.00	90.280	160.240	6797.22	7114.36	-6244.39	3535.69	1705067.99	14276710.96	39°18'54.017"N	80°46'17.105"W	7175.90	150.481	3.64	0.23	-3.63	
14341.00	90.490	158.110	6796.59	7208.33	-6332.24	3569.11	1705101.40	14276623.14	39°18'53.148"N	80°46'16.683"W	7268.83	150.593	2.28	0.22	-2.27	
14436.00	90.520	155.270	6795.75	7303.29	-6419.47	3606.70	1705138.97	14276535.94	39°18'52.285"N	80°46'16.207"W	7363.28	150.671	2.99	0.03	-2.99	
14530.00	90.490	154.500	6794.92	7397.15	-6504.58	3646.59	1705178.85	14276450.86	39°18'51.442"N	80°46'15.703"W	7457.03	150.724	0.82	-0.03	-0.82	





# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'  
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #05
Operator	ANTERO RESOURCES CORPORATION	Well	Jimmy Unit 3H
Area	Doddridge Co., WV	Wellbore	Jimmy Unit 3H AWB
Field	Doddridge		
Facility	Strickling Pad		

WELLPATH DATA (196 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
14624.00	90.550	153.680	6794.07	7491.02	-6589.83	3686.18	1705218.42	14276365.65	39°18'50.599"N	80°46'15.202"W	7550.75	150.778	1.26	0.06	1.26	
14719.00	90.490	153.660	6793.20	7585.85	-6675.69	3726.82	1705259.05	14276279.82	39°18'49.749"N	80°46'14.687"W	7645.53	150.827	2.13	-0.06	-2.13	
14814.00	90.980	154.740	6791.99	7680.64	-6761.21	3768.17	1705300.37	14276194.34	39°18'48.903"N	80°46'14.164"W	7740.35	150.868	1.25	0.52	1.14	
14908.00	90.950	156.230	6790.40	7774.53	-6846.73	3807.16	1705339.35	14276108.86	39°18'48.057"N	80°46'13.671"W	7834.04	150.923	1.59	-0.03	1.59	
15002.00	90.920	158.940	6788.87	7868.51	-6933.60	3843.00	1705375.17	14276022.01	39°18'47.197"N	80°46'13.218"W	7927.39	151.002	2.88	-0.03	2.88	
15097.00	91.170	159.310	6787.14	7963.47	-7022.35	3876.84	1705409.01	14275933.30	39°18'46.319"N	80°46'12.790"W	8021.43	151.098	0.47	0.26	0.39	
15191.00	90.950	159.750	6785.40	8057.42	-7110.40	3909.71	1705441.86	14275845.29	39°18'45.448"N	80°46'12.374"W	8114.41	151.195	0.52	-0.23	0.47	
15286.00	91.020	160.470	6783.76	8152.34	-7199.72	3942.03	1705474.16	14275756.00	39°18'44.564"N	80°46'11.966"W	8208.26	151.298	0.76	0.07	0.76	
15380.00	91.020	161.420	6782.09	8246.20	-7288.56	3972.71	1705504.84	14275667.20	39°18'43.686"N	80°46'11.579"W	8300.93	151.407	1.01	0.00	1.01	
15474.00	90.990	162.050	6780.44	8339.99	-7377.81	4002.17	1705534.28	14275577.99	39°18'42.803"N	80°46'11.207"W	8393.41	151.522	0.67	-0.03	0.67	
15569.00	90.890	160.930	6778.88	8434.79	-7467.88	4032.32	1705564.42	14275487.95	39°18'41.912"N	80°46'10.826"W	8486.98	151.633	1.18	-0.11	-1.18	
15662.00	90.980	158.140	6777.37	8527.74	-7554.99	4064.83	1705596.92	14275400.88	39°18'41.050"N	80°46'10.415"W	8579.08	151.718	3.00	0.10	-3.00	
15758.00	90.980	159.130	6775.72	8623.72	-7644.38	4099.80	1705631.87	14275311.52	39°18'40.166"N	80°46'09.973"W	8674.38	151.795	1.03	0.00	1.03	
15852.00	90.980	159.620	6774.12	8717.68	-7732.34	4132.90	1705664.97	14275223.60	39°18'39.295"N	80°46'09.555"W	8767.55	151.876	0.52	0.00	0.52	
15900.00	90.920	158.780	6773.32	8765.66	-7777.20	4149.95	1705682.00	14275178.75	39°18'38.852"N	80°46'09.340"W	8815.15	151.915	1.75	-0.13	-1.75	
15925.00	90.920	158.780	6772.92	8790.65	-7800.51	4158.99	1705691.05	14275155.46	39°18'38.621"N	80°46'09.225"W	8839.97	151.935	0.00	0.00	0.00	Projected MD @ TD: 15925'

HOLE & CASING SECTIONS - Ref Wellbore: Jimmy Unit 3H AWB Ref Wellpath: Jimmy Unit 3H AWP Proj: 15925'									
String/Diameter	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start N/S (ft)	Start E/W (ft)	End N/S (ft)	End E/W (ft)
20in Conductor	24.50	104.50	80.00	24.50	104.50	0.00	0.00	0.05	0.21
17.5in Open Hole	104.50	366.60	262.10	104.50	366.59	0.05	0.21	1.34	1.12
13.375in Casing Surface	24.50	366.60	342.10	24.50	366.59	0.00	0.00	1.34	1.12
12.25in Open Hole	366.60	2614.50	2247.90	366.59	2592.18	1.34	1.12	304.22	203.92
9.625in Casing Intermediate	24.50	2614.50	2590.00	24.50	2592.18	0.00	0.00	304.22	203.92



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Doddridge Co., WV	Well	Jimmy Unit 3H
Field	Doddridge	Wellbore	Jimmy Unit 3H AWB
Facility	Strickling Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Jimmy Unit 3H POE Plat	6699.00	427.96	855.29	1702388.66	14283380.65	39°20'00.029"N	80°46'51.002"W	point
Jimmy Unit 3H POE Rev-1	6699.00	495.88	813.72	1702347.10	14283448.54	39°20'00.702"N	80°46'51.529"W	point
Jimmy Unit 3H AZI Rev-1	6740.00	76.96	997.18	1702530.49	14283029.79	39°19'56.557"N	80°46'49.207"W	point
Jimmy Unit 3H BHL Rev-1	6740.00	-7813.69	4186.96	1705719.00	14275142.27	39°18'38.490"N	80°46'08.870"W	point
Jimmy Unit 3H LP Rev-1	6740.00	331.30	884.29	1702417.65	14283284.03	39°19'59.073"N	80°46'50.636"W	point
Jimmy Unit 3H 25' L/R Hard Line	6850.00	-3868.37	2592.07	1704124.75	14279086.03	39°19'17.524"N	80°46'29.036"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: Jimmy Unit 3H AWB Ref Wellpath: Jimmy Unit 3H AWP Proj: 15925'			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment
24.50	333.50	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodatta MS Gyro <17-1/2"> (100'-324')
333.50	810.50	Gyrodata standard - Drop gyro or Multi-shot	02 Gyrodatta MS Gyro <12-1/4"> (324')(439'-801')
810.50	2529.50	ISCWASA MWD, Rev. 4 (Standard)	03 WFT EM <12-1/4"> (80')(947'-2520')
2529.50	6830.50	ISCWASA MWD, Rev. 4 (Standard)	04 WFT EM <8-3/4"> (2520')(2661'-6821')
6830.50	15900.00	BHI AutoTrak Curve (Short)	05 BH AT Curve <8-1/2"> (6830.5')(6879'-15900')
15900.00	15925.00	Blind Drilling (std)	Protection to bit
			Jimmy Unit 3H AWB
			Jimmy Unit 3H AWB
			Jimmy Unit 3H AWB
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			Jimmy Unit 3H AWB



# Actual Wellpath Report

Jimmy Unit 3H AWP Proj: 15925'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #05
Area	Doddridge Co., WV	Well	Jimmy Unit 3H
Field	Doddridge	Wellbore	Jimmy Unit 3H AWB
Facility	Strickling Pad		

COMMENTS
<p><b>Wellpath general comments</b>                      API: 47-017-06839-0000                      BH Job #: 9116001                      Rig: Frontier 22                      Duration: 04/18/18 - 04/19/18                      Gyrodatta MS Gyro &lt;17-1/2"&gt; (100'-324')                      Gyrodatta MS Gyro &lt;12-1/4"&gt; (324')(439'-801')                      WFT EM &lt;12-1/4"&gt; (801')(947'-2520')                      WFT EM &lt;8-3/4"&gt; (2520')(2661'-6821')                      Burket: 6816'MD / 6624'TVD                      Tully: 6872'MD / 6658'TVD                      BH AT Curve &lt;8-1/2"&gt; (6830.5')(6879'-15900')                      Hamilton: 6947'MD / 6697'TVD                      POE Marcellus: 6970'MD / 6707'TVD                      Projected MD @ TD: 15925'</p>

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