



ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
 Field: Tyler
 Facility: Stonefly Pad

Slot: Slot #06
 Well: Pheasant Unit 3H
 Wellbore: Pheasant Unit 3H PWB



Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Stonely Pad	1662255.770	14314034.380	39°25'03.770"N	80°55'21.620"W
Slot	Local N (ft)	Local E (ft)	Grid North (US ft)	Grid East (US ft)
Slot #06	57.66	-16.53	14314092.014	14314092.014
Comment	Pheasant Unit 3H			
Frontier 22 (RKB) to Ground level (At Slot: Slot #06)	24.5ft			
Mean Sea Level to Ground level (At Slot: Slot #06)	-982ft			
Frontier 22 (RKB) to Mean Sea Level	1006.5ft			

Plot reference wellpath is Pheasant Unit 3H PWP Rev-A.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to Frontier 22 (RKB)	North Reference: Grid north
Measured depths are referenced to Frontier 22 (RKB)	Scale: True distance
Frontier 22 (RKB) to Mean Sea Level: 1006.5 feet	Depths are in feet
Mean Sea Level to Ground level (At Slot: Slot #06): -982 feet	Created by: mccrebr on 2018-05-11
Coordinates are in feet referenced to Slot	Database: WA_MPL_EASTERNUUS_Defn

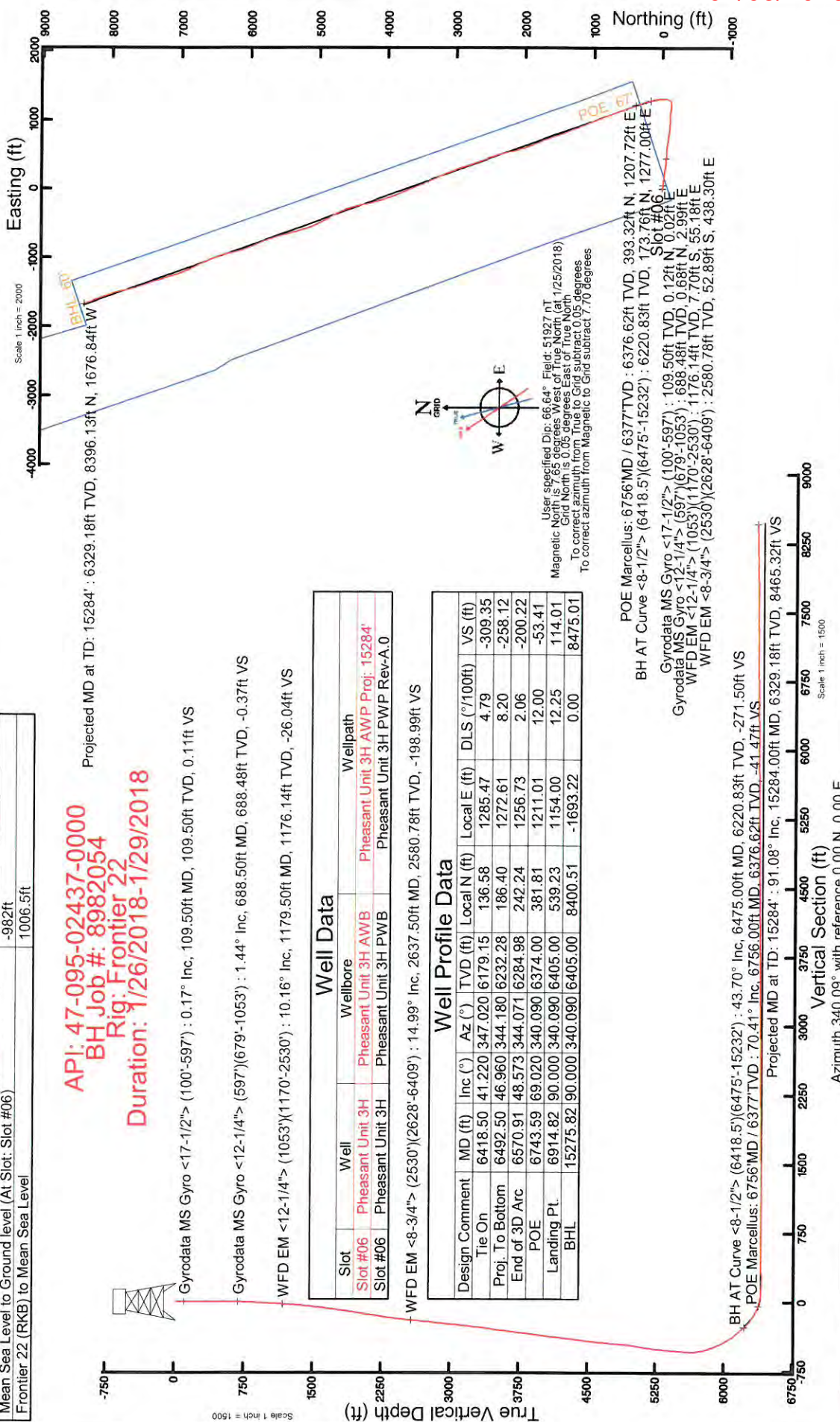
API: 47-095-02437-0000
BH Job #: 8982054
Rig: Frontier 22
Duration: 1/26/2018-1/29/2018

- Gyrodata MS Gyro <17-1/2"> (100°-597') : 0.17° Inc, 109.50ft MD, 109.50ft TVD, 0.11ft VS
- Gyrodata MS Gyro <12-1/4"> (597')(679°-1053') : 1.44° Inc, 688.50ft MD, 688.48ft TVD, -0.37ft VS
- WFD EM <12-1/4"> (1053')(1170°-2530') : 10.16° Inc, 1179.50ft MD, 1176.14ft TVD, -26.04ft VS
- WFD EM <8-3/4"> (2530')(2628°-6409') : 14.99° Inc, 2637.50ft MD, 2580.78ft TVD, -198.99ft VS

Slot	Well	Wellbore	Wellpath
Slot #06	Pheasant Unit 3H	Pheasant Unit 3H AWB	Pheasant Unit 3H AWP Proj: 15284'
Slot #06	Pheasant Unit 3H	Pheasant Unit 3H PWB	Pheasant Unit 3H PWP Rev-A.0

Well Profile Data

Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	6418.50	41.220	347.020	6179.15	136.58	1285.47	4.79	-309.35
Proj. To Bottom	6492.50	46.960	344.180	6232.28	186.40	1272.61	8.20	-258.12
End of 3D Arc	6570.91	48.573	344.071	6284.98	242.24	1256.73	2.06	-200.22
POE	6743.59	69.020	340.090	6374.00	381.81	1211.01	12.00	-53.41
Landing Pt.	6914.82	90.000	340.090	6405.00	539.23	1154.00	12.25	114.01
BHL	15275.82	90.000	340.090	6405.00	8400.51	-1693.22	0.00	8475.01



04/05/2019



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Pheasant Unit 3H AWP Proj: 15284'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Pheasant Unit 3H
Field	Tyler	Wellbore	Pheasant Unit 3H AWB
Facility	Stonefly Pad		

REPORT SETUP INFORMATION	
Projection System	NAD27 / UTM Zone 17 North, US feet
North Reference	Grid
Scale	0.999601
Convergence at slot	0.05° East
Software System	WellArchitect® 5.1
User	Mccrerib
Report Generated	5/11/2018 at 12:55:11 PM
Database/Source file	WA_MPL_EASTERNUS_Defm/Pheasant_Unit_3H_AWP_Proj_15284_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	57.66	-16.53	1662239.25	14314092.01	39°25'04.340"N	80°55'21.830"W
Facility Reference Pt			1662255.77	14314034.38	39°25'03.770"N	80°55'21.620"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 #06)
	Section Origin
	Section Azimuth
	1006.50ft
	1006.50ft
	24.50ft
	N 0.00, E 0.00 ft
	340.09°

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #06
Operator	ANTERO RESOURCES CORPORATION	Well	Pheasant Unit 3H
Area	Tyler County, WV	Wellbore	Pheasant Unit 3H AWB
Field	Tyler		
Facility	Stoneyfly Pad		

WELLPATH DATA (187 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	10.090	0.00	0.00	0.00	0.00	1662239.24	14314092.01	39°25'04.340"N	80°55'21.830"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.000	10.090	24.50	0.00	0.00	0.00	1662239.24	14314092.01	39°25'04.340"N	80°55'21.830"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.170	10.090	109.50	0.11	0.12	0.02	1662239.27	14314092.14	39°25'04.341"N	80°55'21.830"W	0.13	10.090	0.20	0.20	11.87	Gyrodata MS Gyro <17-1/2"> (100'-597')
209.50	0.110	61.970	209.50	0.25	0.32	0.13	1662239.38	14314092.33	39°25'04.343"N	80°55'21.828"W	0.34	22.841	0.13	-0.06	51.88	
309.50	0.180	116.580	309.50	0.15	0.29	0.36	1662239.60	14314092.30	39°25'04.343"N	80°55'21.825"W	0.46	50.979	0.15	0.07	54.61	
409.50	0.310	72.800	409.50	0.02	0.30	0.76	1662240.00	14314092.31	39°25'04.343"N	80°55'21.820"W	0.81	68.389	0.22	0.13	-43.78	
509.50	0.220	75.570	509.50	-0.01	0.43	1.20	1662240.45	14314092.44	39°25'04.344"N	80°55'21.815"W	1.28	70.403	0.09	-0.03	2.77	
606.50	0.380	75.630	606.50	-0.06	0.55	1.99	1662240.94	14314092.57	39°25'04.345"N	80°55'21.808"W	1.78	71.885	0.16	0.16	0.06	
688.50	1.440	86.530	688.50	-0.37	0.68	2.99	1662242.23	14314092.70	39°25'04.347"N	80°55'21.792"W	3.06	77.098	1.30	1.29	13.29	Gyrodata MS Gyro <12-1/4"> (597')(679'-1053')
777.50	3.210	96.550	777.41	-1.80	0.47	6.58	1662245.82	14314092.48	39°25'04.345"N	80°55'21.746"W	6.59	85.937	2.03	1.99	11.26	
873.50	5.560	102.970	873.12	-5.52	-0.88	13.78	1662253.02	14314091.13	39°25'04.331"N	80°55'21.654"W	13.81	93.668	2.50	2.45	6.69	
968.50	7.050	102.020	967.54	-11.11	-3.13	23.97	1662263.20	14314088.88	39°25'04.309"N	80°55'21.525"W	24.17	97.441	1.57	1.57	-1.00	
1062.50	8.440	98.850	1060.88	-17.48	-5.39	36.43	1662275.66	14314086.62	39°25'04.286"N	80°55'21.366"W	36.82	98.422	1.55	1.48	-3.37	
1179.50	10.160	95.500	1176.14	-26.04	-7.70	55.18	1662294.41	14314084.31	39°25'04.263"N	80°55'21.127"W	55.72	97.947	1.54	1.47	-2.86	WFD EM <12-1/4"> (1053')(1170'-2530')
1274.50	10.630	91.480	1269.58	-32.83	-8.73	72.28	1662311.50	14314083.28	39°25'04.253"N	80°55'20.909"W	72.81	96.889	0.91	0.49	-4.23	
1368.50	11.830	91.680	1361.78	-39.53	-9.24	90.58	1662329.79	14314082.78	39°25'04.248"N	80°55'20.676"W	91.05	95.824	1.28	1.28	0.21	
1463.50	13.070	95.810	1454.55	-47.78	-10.61	111.00	1662350.20	14314081.41	39°25'04.234"N	80°55'20.416"W	111.51	95.461	1.61	1.31	4.35	
1557.50	14.130	96.610	1545.91	-57.52	-13.01	132.98	1662372.17	14314079.01	39°25'04.210"N	80°55'20.136"W	133.61	95.587	1.15	1.13	0.85	
1652.50	15.480	97.880	1637.76	-68.60	-16.08	157.05	1662396.24	14314075.94	39°25'04.180"N	80°55'19.829"W	157.88	95.847	1.46	1.42	1.34	
1747.50	15.980	99.620	1729.20	-80.96	-20.01	182.51	1662421.68	14314072.02	39°25'04.141"N	80°55'19.505"W	183.60	96.256	0.72	0.53	1.83	
1842.50	16.070	99.120	1820.51	-93.79	-24.27	208.38	1662447.54	14314067.75	39°25'04.098"N	80°55'19.175"W	209.79	96.645	0.17	0.09	-0.53	
1936.50	16.340	98.990	1910.77	-108.49	-28.40	234.29	1662473.44	14314063.62	39°25'04.057"N	80°55'18.845"W	236.00	96.912	0.29	0.29	-0.14	
2030.50	17.360	99.260	2000.74	-119.72	-32.73	261.19	1662500.33	14314059.30	39°25'04.014"N	80°55'18.502"W	263.23	97.142	1.09	1.08	0.29	
2124.50	18.810	99.510	2090.09	-134.00	-37.49	289.98	1662529.11	14314054.54	39°25'03.967"N	80°55'18.136"W	292.39	97.366	1.54	1.54	0.27	
2219.50	17.930	99.860	2180.25	-148.78	-42.52	319.49	1662558.61	14314049.51	39°25'03.917"N	80°55'17.760"W	322.31	97.581	0.93	-0.93	0.37	
2313.50	17.020	98.010	2269.91	-162.41	-46.92	347.37	1662586.48	14314045.12	39°25'03.873"N	80°55'17.404"W	350.52	97.692	1.13	-0.97	-1.97	
2408.50	17.000	95.700	2360.75	-174.79	-50.09	374.97	1662614.06	14314041.95	39°25'03.842"N	80°55'17.053"W	378.30	97.608	0.90	-0.02	-3.06	
2502.50	16.420	93.160	2450.79	-185.80	-52.04	401.92	1662641.01	14314039.99	39°25'03.822"N	80°55'16.709"W	405.28	97.378	0.86	-0.62	-2.06	
2539.50	15.900	92.060	2486.32	-189.75	-52.51	412.21	1662651.29	14314039.52	39°25'03.817"N	80°55'16.578"W	415.54	97.260	1.63	-1.41	-2.97	
2637.50	14.990	89.510	2580.78	-198.99	-52.89	438.30	1662677.37	14314039.15	39°25'03.814"N	80°55'16.246"W	441.48	96.880	1.16	-0.93	-2.60	WFD EM <8-3/4"> (2530')(2628'-6409')



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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Pheasant Unit 3H
Field	Tyler	Wellbore	Pheasant Unit 3H AWB
Facility	Stonely Pad		

WELLPATH DATA (187 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
2731.50	15.660	93.920	2671.45	-208.15	-53.65	463.11	1662702.17	14314038.38	39°25'03.806"N	80°55'15.930"W	466.21	96.608	1.43	0.71	4.69	
2825.50	15.420	94.240	2762.01	-218.39	-55.44	488.23	1662727.28	14314036.59	39°25'03.788"N	80°55'15.610"W	491.37	96.478	0.27	-0.26	0.34	
2919.50	15.370	94.490	2852.64	-228.65	-57.34	513.12	1662752.15	14314034.70	39°25'03.769"N	80°55'15.293"W	516.31	96.376	0.09	-0.05	0.27	
3016.50	14.930	92.500	2946.27	-238.73	-58.89	538.42	1662777.44	14314033.15	39°25'03.753"N	80°55'14.970"W	541.63	96.242	0.70	-0.45	-2.05	
3110.50	14.290	90.690	3037.23	-247.42	-59.56	562.11	1662801.43	14314032.48	39°25'03.747"N	80°55'14.688"W	565.26	96.048	0.84	-0.68	-1.93	
3205.50	14.320	93.370	3129.28	-256.19	-60.39	585.57	1662824.58	14314031.65	39°25'03.738"N	80°55'14.370"W	588.67	95.888	0.70	0.03	2.82	
3299.50	15.270	99.200	3220.17	-266.81	-63.05	609.39	1662848.39	14314028.98	39°25'03.712"N	80°55'14.066"W	612.64	95.907	1.88	1.01	6.20	
3488.50	15.800	99.840	3402.67	-278.48	-66.70	633.60	1662872.59	14314025.34	39°25'03.675"N	80°55'13.447"W	637.10	96.010	0.79	-0.71	-1.36	
3583.50	15.800	99.160	3494.08	-303.07	-74.79	683.46	1662922.43	14314017.25	39°25'03.595"N	80°55'13.122"W	661.71	96.118	1.39	1.28	2.05	
3672.50	15.410	96.100	3584.81	-314.59	-78.24	707.77	1662946.73	14314013.80	39°25'03.561"N	80°55'12.813"W	712.09	96.308	1.52	-1.38	-2.39	
3866.50	14.700	96.320	3767.37	-337.02	-84.52	786.30	1662995.24	14314007.52	39°25'03.498"N	80°55'12.194"W	736.59	96.349	1.01	0.96	1.25	
3961.50	15.030	98.100	3859.19	-348.14	-87.59	804.47	1663070.29	14314004.46	39°25'03.468"N	80°55'11.866"W	761.00	96.377	0.90	-0.76	-1.89	
4055.50	16.210	99.260	3949.72	-360.26	-91.42	805.49	1663044.41	14314000.83	39°25'03.430"N	80°55'11.568"W	785.37	96.403	0.59	0.35	1.87	
4150.50	15.740	96.670	4041.05	-372.48	-95.05	831.37	1663117.78	14313997.01	39°25'03.393"N	80°55'11.238"W	810.66	96.475	1.30	1.26	1.23	
4244.50	14.230	91.860	4131.85	-382.48	-96.90	855.59	1663094.49	14313995.15	39°25'03.375"N	80°55'10.929"W	836.79	96.522	0.90	-0.49	-2.73	
4339.50	14.250	95.760	4223.94	-391.87	-98.45	878.89	1663117.78	14313993.60	39°25'03.359"N	80°55'10.632"W	861.06	96.462	2.08	-1.61	-5.12	
4433.50	15.180	98.110	4314.85	-402.66	-101.35	902.59	1663141.47	14313990.70	39°25'03.330"N	80°55'10.331"W	884.39	96.392	1.01	0.02	4.11	
4527.50	16.270	97.850	4405.33	-414.58	-104.89	927.82	1663166.69	14313987.17	39°25'03.295"N	80°55'10.009"W	908.26	96.407	1.18	0.99	2.50	
4622.50	15.710	96.210	4496.66	-426.44	-108.10	953.79	1663192.65	14313983.96	39°25'03.263"N	80°55'09.678"W	933.73	96.450	1.16	1.16	-0.28	
4717.50	14.560	91.340	4588.36	-436.43	-109.77	978.51	1663217.36	14313982.29	39°25'03.245"N	80°55'09.363"W	959.89	96.466	0.76	-0.59	-1.73	
4811.50	15.780	89.320	4679.09	-444.92	-109.89	1003.10	1663241.95	14313982.17	39°25'03.245"N	80°55'09.050"W	984.65	96.401	1.80	-1.21	-5.13	
4906.50	15.330	87.010	4770.61	-452.83	-109.08	1028.56	1663267.39	14313982.97	39°25'03.253"N	80°55'08.726"W	1009.11	96.252	1.41	1.30	-2.15	
5000.50	15.550	87.600	4861.22	-460.24	-107.91	1053.56	1663292.38	14313984.15	39°25'03.264"N	80°55'08.407"W	1034.33	96.054	0.81	-0.47	-2.43	
5094.50	16.500	94.750	4951.57	-469.60	-108.48	1079.45	1663318.27	14313983.57	39°25'03.258"N	80°55'08.077"W	1059.07	95.848	0.29	0.23	0.63	
5189.50	17.180	100.430	5042.50	-482.32	-112.14	1106.70	1663345.50	14313979.92	39°25'03.222"N	80°55'07.730"W	1084.89	95.739	2.33	1.01	7.61	
5283.50	15.740	98.760	5132.65	-495.45	-116.60	1132.96	1663371.75	14313975.46	39°25'03.178"N	80°55'07.385"W	1112.37	95.786	1.87	0.72	5.98	
5378.50	15.470	97.400	5224.15	-507.44	-120.19	1158.26	1663397.04	14313971.87	39°25'03.142"N	80°55'07.073"W	1138.94	95.876	1.61	-1.53	-1.78	
5473.50	14.620	93.080	5315.89	-517.94	-122.47	1182.79	1663421.56	14313969.60	39°25'03.119"N	80°55'06.761"W	1164.47	95.924	0.48	-0.28	-1.43	
5473.50	14.620	93.080	5315.89	-517.94	-122.47	1182.79	1663421.56	14313969.60	39°25'03.119"N	80°55'06.761"W	1189.12	95.911	1.48	-0.89	-4.55	



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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #06
Operator	ANTERO RESOURCES CORPORATION	Well	Pheasant Unit 3H
Area	Tyler County, WV	Wellbore	Pheasant Unit 3H AWB
Field	Tyler		
Facility	Stoneyly Pad		

WELLPATH DATA (187 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 (F/100ft)	Build Rate (F/100ft)	Turn Rate (F/100ft)	Comments
5566.50	15.280	92.310	5407.68	-527.36	-123.62	1207.27	1663446.03	14313968.45	39°25'03.108"N	80°55'06.449"W	1213.59	95.846	0.73	0.69	0.81	
5662.50	14.930	90.310	5498.43	-536.23	-124.18	1231.76	1663470.51	14313968.88	39°25'03.102"N	80°55'06.137"W	1238.00	95.757	0.67	0.37	-2.13	
5757.50	14.640	84.620	5590.29	-543.47	-123.12	1255.95	1663494.69	14313968.94	39°25'03.112"N	80°55'05.828"W	1261.97	95.589	1.56	-0.31	-5.99	
5789.50	14.660	73.820	5621.25	-544.75	-121.61	1263.87	1663502.60	14313970.45	39°25'03.127"N	80°55'05.728"W	1269.70	95.496	8.52	0.06	-33.75	
5820.50	15.100	63.310	5651.22	-544.52	-118.71	1271.24	1663509.98	14313973.35	39°25'03.156"N	80°55'05.633"W	1276.77	95.355	8.81	1.42	-33.90	
5851.50	15.320	51.040	5681.14	-542.71	-114.32	1278.04	1663516.77	14313977.74	39°25'03.199"N	80°55'05.547"W	1283.14	95.111	10.39	0.71	-39.58	
5883.50	16.370	41.630	5711.93	-539.18	-108.29	1284.87	1663523.05	14313980.98	39°25'03.330"N	80°55'05.467"W	1288.88	94.819	8.66	3.28	-29.41	
5914.50	17.420	31.800	5741.60	-534.22	-101.08	1289.67	1663528.40	14313983.77	39°25'03.390"N	80°55'05.399"W	1293.62	94.481	9.80	3.39	-31.71	
5946.50	18.660	19.840	5772.04	-527.32	-92.19	1293.93	1663532.66	14313989.86	39°25'03.418"N	80°55'05.344"W	1297.21	94.075	12.18	3.87	-37.37	
5977.50	20.040	13.920	5801.29	-519.09	-82.36	1296.89	1663535.62	14314009.68	39°25'03.515"N	80°55'05.306"W	1299.51	93.634	7.73	4.45	-19.10	
6009.50	20.880	11.950	5831.27	-509.69	-71.46	1299.39	1663538.12	14314020.58	39°25'03.622"N	80°55'05.274"W	1301.36	93.148	3.39	2.62	-6.16	
6040.50	21.620	8.300	5860.16	-499.97	-60.41	1301.36	1663540.08	14314031.63	39°25'03.732"N	80°55'05.249"W	1302.76	92.658	4.89	2.39	-11.77	
6072.50	22.980	6.110	5889.77	-489.16	-48.36	1302.98	1663541.60	14314043.67	39°25'03.851"N	80°55'05.230"W	1303.78	92.126	4.98	4.25	-6.84	
6103.50	23.430	3.360	5918.26	-478.06	-36.19	1303.98	1663542.60	14314055.84	39°25'03.971"N	80°55'05.217"W	1304.39	91.590	3.78	1.45	-8.87	
6135.50	25.680	1.100	5947.37	-465.74	-22.91	1304.37	1663543.11	14314069.12	39°25'04.102"N	80°55'05.210"W	1304.59	91.006	7.62	7.03	-7.06	
6166.50	28.620	358.870	5974.95	-452.44	-8.76	1304.37	1663543.09	14314083.25	39°25'04.242"N	80°55'05.210"W	1304.40	90.385	10.03	9.48	-7.19	
6198.50	31.260	357.310	6002.68	-437.25	7.19	1303.83	1663542.55	14314099.21	39°25'04.400"N	80°55'05.217"W	1303.85	89.684	8.60	8.25	-4.87	
6229.50	32.910	355.490	6028.94	-421.44	23.63	1302.79	1663541.96	14314133.14	39°25'04.735"N	80°55'05.230"W	1303.01	88.961	6.17	5.32	-5.87	
6261.50	33.750	354.390	6055.68	-404.45	41.14	1301.24	1663539.96	14314147.52	39°25'04.909"N	80°55'05.249"W	1301.89	88.189	3.23	2.63	-3.44	
6287.00†	35.435	353.369	6076.67	-390.39	55.53	1298.69	1663538.42	14314174.52	39°25'05.097"N	80°55'05.269"W	1300.88	87.553	6.99	6.61	-4.00	Sycamore 6287MD / 6077TVD
6292.50	35.800	353.160	6081.14	-387.27	58.71	1299.32	1663538.04	14314150.70	39°25'05.286"N	80°55'05.274"W	1300.64	87.413	6.99	6.63	-3.80	
6324.50	38.110	351.570	6106.71	-368.47	77.78	1296.75	1663535.48	14314169.76	39°25'05.097"N	80°55'05.306"W	1299.08	86.568	7.81	7.22	-4.97	
6355.50	39.020	349.770	6130.95	-349.48	96.85	1293.62	1663532.34	14314188.82	39°25'05.286"N	80°55'05.346"W	1297.24	85.719	4.66	2.94	-5.81	
6387.50	40.060	348.440	6155.63	-329.36	116.85	1289.77	1663528.49	14314208.81	39°25'05.484"N	80°55'05.395"W	1295.05	84.823	4.19	3.25	-4.16	
6418.50	41.220	347.020	6179.15	-309.35	136.58	1285.47	1663524.20	14314228.53	39°25'05.679"N	80°55'05.449"W	1292.71	83.935	4.79	3.74	-4.58	
6475.00	43.700	347.290	6220.83	-271.50	173.76	1277.00	1663515.73	14314265.70	39°25'06.046"N	80°55'05.557"W	1288.76	82.251	4.40	4.39	0.48	BH AT Curve <-8-1/2"> (6418.5)/(6475-.15232')
6495.00†	45.280	346.889	6235.10	-257.59	187.42	1273.86	1663512.60	14314279.36	39°25'06.181"N	80°55'05.597"W	1287.58	81.630	8.02	7.90	-2.01	Middlesex: 6495MD / 6235TVD
6540.00	48.840	346.060	6265.75	-224.85	219.44	1266.15	1663504.89	14314311.37	39°25'06.498"N	80°55'05.694"W	1285.03	80.167	8.02	7.91	-1.84	
6587.00	50.950	343.310	6296.03	-189.03	254.10	1256.65	1663495.39	14314346.01	39°25'06.840"N	80°55'05.815"W	1282.08	78.569	6.34	4.49	-5.85	
6634.00	56.990	341.540	6323.66	-151.07	290.31	1245.15	1663483.90	14314382.21	39°25'07.198"N	80°55'05.961"W	1278.55	76.876	13.21	12.85	-3.77	Burket 6634MD / 6324TVD



Actual Wellpath Report

Pheasant Unit 3H AWP Proj: 15284'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #06
Operator	ANTERO RESOURCES CORPORATION	Well	Pheasant Unit 3H
Area	Tyler County, WV	Wellbore	Pheasant Unit 3H AWB
Field	Tyler		
Facility	Stonely Pad		

WELLPATH DATA (187 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
6681.00	63.220	339.900	6347.08	-110.35	328.75	1231.69	1663470.44	14314420.63	39°25'07.578"N	80°55'06.132"W	1274.81	75.056	13.60	13.26	-3.49	
6690.00†	64.070	339.813	6351.07	-102.28	336.32	1228.91	1663467.67	14314428.20	39°25'07.653"N	80°55'06.168"W	1274.10	74.695	9.49	9.45	-0.96	Tully" 6690MD / 6351'TVD
6728.00	67.660	339.460	6366.61	-67.61	368.82	1216.85	1663455.60	14314460.69	39°25'07.975"N	80°55'06.321"W	1271.51	73.138	9.49	9.45	-0.93	
6756.00†	70.411	339.675	6376.62	-41.47	393.32	1207.72	1663446.48	14314485.18	39°25'08.275"N	80°55'06.437"W	1270.15	71.961	9.85	9.83	0.77	POE Marcellus: 6756MD / 6377'TVD
6822.00	72.180	339.810	6382.40	-24.42	409.32	1201.82	1663440.58	14314501.17	39°25'08.375"N	80°55'06.512"W	1269.61	71.192	9.85	9.83	0.75	
6867.00	77.630	340.710	6394.89	21.90	452.92	1186.18	1663424.94	14314544.75	39°25'08.806"N	80°55'06.711"W	1269.71	69.101	11.50	11.35	1.87	
6916.00	83.710	340.750	6402.19	66.29	494.82	1171.53	1663410.30	14314586.63	39°25'09.220"N	80°55'06.897"W	1271.74	67.102	13.51	13.51	0.09	
7009.00	89.020	341.550	6405.28	115.16	541.08	1155.74	1663394.52	14314632.88	39°25'09.678"N	80°55'07.098"W	1276.12	64.912	10.96	10.84	1.63	
7103.00	90.060	339.480	6405.74	302.14	716.74	1091.64	1663330.45	14314720.49	39°25'10.544"N	80°55'07.493"W	1288.47	60.793	2.63	1.25	-2.31	
7198.00	91.080	340.410	6404.80	397.14	805.97	1059.07	1663297.89	14314808.46	39°25'11.414"N	80°55'07.912"W	1305.91	56.712	0.15	-0.13	0.09	
7292.00	91.570	337.800	6402.62	491.09	893.76	1025.56	1663264.39	14314985.41	39°25'12.297"N	80°55'08.326"W	1330.87	52.728	1.45	1.07	0.98	
7366.00	89.180	338.380	6401.19	585.02	980.95	990.49	1663229.33	14315072.57	39°25'14.027"N	80°55'09.198"W	1360.35	48.928	2.82	0.52	-2.78	
7480.00	89.850	336.960	6401.16	678.93	1067.90	954.77	1663193.63	14315159.49	39°25'15.748"N	80°55'09.652"W	1394.03	45.277	1.60	-1.48	0.62	
7574.00	89.780	338.930	6401.47	772.86	1155.02	919.48	1663158.35	14315246.57	39°25'16.615"N	80°55'10.101"W	1476.32	38.522	2.10	-0.07	2.10	
7668.00	89.820	338.830	6401.79	866.84	1242.70	885.61	1663124.50	14315334.22	39°25'16.615"N	80°55'10.532"W	1525.98	35.475	0.11	0.04	-0.11	
7761.00	89.880	338.040	6402.04	959.80	1329.19	851.42	1663090.33	14315420.67	39°25'17.470"N	80°55'10.966"W	1578.51	32.642	0.85	0.06	-0.85	
7855.00	89.690	336.880	6402.39	1053.70	1416.01	815.39	1663054.31	14315507.46	39°25'18.328"N	80°55'11.424"W	1634.00	29.935	1.25	-0.20	-1.23	
7949.00	89.850	340.230	6402.77	1147.65	1503.49	781.03	1663019.96	14315594.90	39°25'19.193"N	80°55'11.861"W	1694.25	27.451	3.57	0.17	3.56	
8043.00	90.430	342.340	6402.54	1241.62	1592.51	750.87	1662989.81	14315683.89	39°25'20.073"N	80°55'12.245"W	1760.66	25.244	2.33	0.62	2.24	
8137.00	90.340	340.020	6401.91	1335.60	1681.48	720.55	1662959.51	14315772.82	39°25'20.953"N	80°55'12.630"W	1829.36	23.196	2.47	-0.10	-2.47	
8230.00	90.340	337.590	6401.35	1428.57	1768.18	686.93	1662925.90	14315859.49	39°25'21.810"N	80°55'13.057"W	1896.93	21.231	2.61	0.00	-2.61	
8325.00	90.400	336.120	6400.74	1523.41	1855.53	649.59	1662888.57	14315946.80	39°25'22.674"N	80°55'13.532"W	1965.95	19.294	1.55	0.06	-1.55	
8418.00	90.090	339.560	6400.34	1616.32	1941.65	614.52	1662853.52	14316032.88	39°25'23.525"N	80°55'13.978"W	2036.57	17.562	3.71	-0.33	3.70	
8513.00	90.460	343.770	6399.89	1711.26	2031.80	584.64	1662823.65	14316123.00	39°25'24.416"N	80°55'14.358"W	2114.24	16.053	4.45	0.39	4.43	
8606.00	90.460	344.940	6399.14	1804.00	2121.35	559.56	1662798.58	14316212.52	39°25'25.302"N	80°55'14.676"W	2193.91	14.777	1.85	0.00	1.26	
8700.00	90.280	346.670	6398.53	1897.53	2212.48	536.51	1662775.54	14316303.60	39°25'26.202"N	80°55'15.049"W	2276.60	13.631	1.86	-0.19	1.84	
8794.00	90.520	346.350	6397.88	1990.94	2303.88	514.58	1662753.62	14316394.97	39°25'27.106"N	80°55'15.248"W	2360.65	12.591	0.43	0.26	-0.34	
8888.00	91.110	341.990	6396.54	2084.67	2394.29	488.95	1662728.00	14316485.34	39°25'28.000"N	80°55'15.573"W	2443.70	11.542	4.68	0.63	-4.64	
8982.00	90.400	339.020	6395.30	2178.65	2482.88	457.59	1662696.65	14316573.90	39°25'28.876"N	80°55'15.972"W	2524.69	10.442	3.25	-0.76	-3.16	



Actual Wellpath Report

Pheasant Unit 3H AWP Proj: 15284'



REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #06
Operator	ANTERO RESOURCES CORPORATION	Well	Pheasant Unit 3H
Area	Tyler County, WV	Wellbore	Pheasant Unit 3H AWB
Field	Tyler		
Facility	Stonerfly Pad		

WELLPATH DATA (187 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (IUS ft)	Grid North (IUS ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
9075.00	90.340	339.630	6394.70	2271.63	2569.89	424.75	1662663.83	14316660.87	39°25'29.736"N	80°55'16.389"W	2604.75	9.385	0.66	-0.06	0.66	
9168.00	90.370	340.340	6394.12	2364.63	2657.27	392.92	1662632.01	14316748.22	39°25'30.600"N	80°55'16.794"W	2686.16	8.411	0.76	0.03	0.76	
9262.00	90.430	340.460	6393.47	2458.63	2745.82	361.39	1662600.49	14316836.73	39°25'31.475"N	80°55'17.195"W	2769.50	7.498	0.14	0.06	0.13	
9356.00	90.460	341.530	6392.74	2552.61	2834.69	330.78	1662569.89	14316925.57	39°25'32.354"N	80°55'17.584"W	2853.93	6.656	1.14	0.03	1.14	
9451.00	90.430	341.120	6392.00	2647.59	2924.69	300.36	1662569.89	14317015.53	39°25'33.244"N	80°55'17.970"W	2940.07	5.864	0.43	-0.03	-0.43	
9546.00	90.430	339.030	6391.29	2742.58	3013.99	267.99	1662507.13	14317104.80	39°25'34.126"N	80°55'18.382"W	3025.88	5.081	2.20	0.00	2.20	
9640.00	90.090	338.480	6390.86	2836.55	3101.60	233.93	1662473.08	14317192.37	39°25'34.993"N	80°55'18.815"W	3110.41	4.313	0.69	-0.36	-0.59	
9735.00	90.890	337.830	6390.05	2931.49	3189.78	198.58	1662437.75	14317280.51	39°25'35.864"N	80°55'19.265"W	3195.95	3.562	1.09	0.84	-0.68	
9830.00	90.920	336.230	6388.55	3026.34	3277.23	161.52	1662400.70	14317367.93	39°25'36.729"N	80°55'19.736"W	3281.21	2.822	1.68	0.03	-1.68	
9925.00	90.860	335.680	6387.07	3121.08	3363.98	122.81	1662362.01	14317454.64	39°25'37.587"N	80°55'20.228"W	3366.22	2.091	0.58	-0.06	-0.58	
10021.00	90.580	336.650	6385.86	3216.85	3451.78	84.02	1662323.23	14317542.41	39°25'38.455"N	80°55'20.722"W	3452.80	1.394	1.05	-0.29	1.01	
10116.00	90.490	337.950	6384.98	3311.73	3539.42	47.36	1662286.59	14317630.01	39°25'39.321"N	80°55'21.188"W	3539.73	0.767	1.37	-0.09	1.37	
10211.00	90.490	338.750	6384.16	3406.68	3627.71	12.32	1662251.56	14317718.27	39°25'40.194"N	80°55'21.633"W	3627.73	0.195	0.84	0.00	0.84	
10305.00	90.400	335.510	6383.43	3500.54	3714.31	-24.21	1662215.04	14317804.83	39°25'41.051"N	80°55'22.098"W	3714.39	359.627	3.45	-0.10	-3.45	
10401.00	90.250	335.990	6382.89	3596.27	3801.83	-63.64	1662175.63	14317892.32	39°25'41.916"N	80°55'22.599"W	3802.37	359.041	0.52	-0.16	0.50	
10495.00	90.550	340.390	6382.23	3690.19	3889.08	-98.55	1662140.73	14317979.53	39°25'42.779"N	80°55'23.043"W	3890.33	358.848	4.69	0.32	4.68	
10589.00	91.020	341.200	6380.95	3784.17	3977.84	-129.47	1662109.83	14318068.26	39°25'43.656"N	80°55'23.437"W	3979.95	358.136	1.00	0.50	0.86	
10684.00	90.800	342.370	6379.44	3879.12	4068.07	-159.16	1662080.15	14318158.45	39°25'44.548"N	80°55'23.814"W	4071.18	357.759	1.25	-0.23	1.23	
10779.00	90.860	343.890	6378.06	3973.97	4158.97	-186.73	1662052.59	14318249.31	39°25'45.447"N	80°55'24.164"W	4163.16	357.429	1.60	0.06	1.60	
10874.00	90.830	347.390	6376.66	4068.50	4250.97	-210.28	1662029.05	14318341.28	39°25'46.356"N	80°55'24.463"W	4256.17	357.168	3.68	-0.03	3.68	
10969.00	91.050	348.640	6375.10	4162.58	4343.89	-230.01	1662009.33	14318434.16	39°25'47.275"N	80°55'24.714"W	4349.97	356.969	1.34	0.23	1.32	
11064.00	90.680	345.380	6373.67	4256.86	4436.44	-251.36	1661987.99	14318526.67	39°25'48.190"N	80°55'24.985"W	4443.55	356.757	3.45	-0.39	-3.43	
11159.00	90.710	343.820	6372.51	4351.56	4528.01	-276.58	1661962.78	14318618.21	39°25'49.095"N	80°55'25.305"W	4536.45	356.505	1.64	0.03	-1.64	
11254.00	90.580	339.620	6371.44	4446.49	4618.19	-306.37	1661933.00	14318708.35	39°25'49.986"N	80°55'25.684"W	4628.35	356.205	4.42	-0.14	-4.42	
11349.00	90.550	334.420	6370.50	4542.32	4706.54	-343.83	1661895.55	14318796.67	39°25'50.860"N	80°55'26.160"W	4719.08	355.922	5.42	-0.03	-5.42	
11445.00	90.460	332.050	6369.66	4636.63	4791.35	-386.61	1661857.29	14318881.44	39°25'51.699"N	80°55'26.705"W	4806.93	355.387	2.50	-0.09	-2.49	
11540.00	90.400	329.160	6368.95	4730.32	4874.11	-433.23	1661806.18	14318964.17	39°25'52.517"N	80°55'27.298"W	4893.33	354.921	3.04	-0.06	-3.04	
11635.00	90.460	332.090	6368.23	4824.01	4956.89	-479.83	1661759.61	14319046.91	39°25'53.335"N	80°55'27.891"W	4980.06	354.471	3.08	0.06	3.08	
11729.00	90.460	335.840	6367.48	4917.45	5041.33	-521.08	1661718.38	14319131.32	39°25'54.170"N	80°55'28.416"W	5068.19	354.099	3.99	0.00	3.99	
11825.00	90.400	339.190	6366.76	5013.34	5130.02	-557.79	1661681.68	14319219.97	39°25'55.047"N	80°55'28.883"W	5160.25	353.795	3.49	-0.06	-3.49	



Actual Wellpath Report

Pheasant Unit 3H AWP Proj: 15284'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Pheasant Unit 3H
Field	Tyler	Wellbore	Pheasant Unit 3H AWB
Facility	Stonerfly Pad		

WELLPATH DATA (187 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (°/100ft)	Comments
11919.00	90.400	342.630	6366.10	5107.31	5218.83	-588.52	1661650.96	14319308.75	39°25'55.925"N	80°55'29.273"W	5251.91	353.566	3.66	0.00	3.66	
12013.00	90.490	343.810	6365.37	5201.17	5308.83	-615.66	1661623.83	14319398.71	39°25'56.815"N	80°55'29.618"W	5344.40	353.385	1.26	0.10	1.26	
12109.00	90.460	345.480	6364.57	5296.86	5401.39	-641.08	1661598.42	14319491.24	39°25'57.730"N	80°55'29.941"W	5439.30	353.231	1.74	-0.03	1.74	
12204.00	90.400	347.630	6363.86	5391.25	5493.78	-663.16	1661576.35	14319583.59	39°25'58.643"N	80°55'30.222"W	5533.66	353.117	2.26	-0.06	2.26	
12299.00	90.650	344.760	6362.99	5485.69	5586.02	-685.83	1661553.69	14319675.79	39°25'59.555"N	80°55'30.510"W	5627.97	353.000	3.03	0.26	-3.02	
12392.00	90.490	341.110	6362.07	5578.56	5674.91	-713.12	1661526.42	14319764.64	39°26'00.434"N	80°55'30.856"W	5719.54	352.838	3.93	-0.17	-3.92	
12487.00	90.430	340.070	6361.30	5673.55	5764.51	-744.68	1661494.86	14319854.20	39°26'01.320"N	80°55'31.258"W	5812.41	352.639	1.10	-0.06	-1.09	
12581.00	90.400	336.190	6360.62	5767.48	5851.72	-779.69	1661469.87	14319941.99	39°26'02.182"N	80°55'31.703"W	5903.44	352.411	4.13	-0.03	-4.13	
12676.00	90.310	335.120	6360.03	5862.19	5938.27	-818.85	1661420.72	14320027.90	39°26'03.038"N	80°55'32.201"W	5994.46	352.149	1.13	-0.09	-1.13	
12770.00	90.370	339.230	6359.47	5956.04	6024.89	-855.31	1661384.28	14320114.49	39°26'03.894"N	80°55'32.665"W	6085.30	351.920	4.37	0.06	4.37	
12865.00	90.400	341.930	6358.84	6051.03	6114.47	-886.89	1661352.71	14320204.03	39°26'04.780"N	80°55'33.394"W	6178.46	351.747	2.84	0.03	2.84	
12959.00	90.460	346.210	6358.13	6144.78	6204.84	-912.68	1661326.93	14320294.36	39°26'05.673"N	80°55'33.670"W	6271.61	351.632	4.55	0.06	4.55	
13054.00	90.710	347.360	6357.16	6239.12	6297.32	-934.40	1661305.22	14320386.81	39°26'06.567"N	80°55'33.978"W	6366.27	351.560	1.24	0.26	1.21	
13149.00	91.290	343.030	6355.50	6333.71	6389.13	-958.67	1661280.96	14320478.58	39°26'07.495"N	80°55'33.978"W	6460.65	351.487	4.60	0.61	-4.56	
13243.00	90.460	338.780	6354.07	6427.67	6477.93	-989.41	1661250.24	14320567.34	39°26'08.373"N	80°55'34.369"W	6553.05	351.316	4.61	-0.88	-4.52	
13339.00	90.580	337.440	6353.19	6523.60	6567.00	-1025.20	1661214.46	14320656.38	39°26'09.253"N	80°55'34.824"W	6646.54	351.127	1.40	0.13	-1.40	
13434.00	90.550	336.720	6352.26	6618.47	6654.49	-1082.19	1661177.48	14320743.84	39°26'10.118"N	80°55'35.295"W	6738.73	350.931	0.76	-0.03	-0.76	
13528.00	90.650	334.800	6351.27	6712.19	6740.20	-1100.78	1661138.91	14320829.50	39°26'10.966"N	80°55'35.786"W	6829.49	350.725	2.05	0.11	-2.04	
13623.00	90.430	332.680	6350.38	6806.60	6825.38	-1142.81	1661096.90	14320914.66	39°26'11.808"N	80°55'36.321"W	6920.40	350.495	2.24	-0.23	-2.23	
13718.00	90.460	336.090	6349.64	6901.11	6911.03	-1183.87	1661055.85	14321000.27	39°26'12.655"N	80°55'36.843"W	7011.70	350.279	3.59	0.03	3.59	
13813.00	90.550	339.670	6348.80	6996.02	6999.02	-1219.64	1661020.10	14321088.23	39°26'13.525"N	80°55'37.298"W	7104.49	350.115	3.77	0.09	3.77	
13907.00	90.520	341.820	6347.92	7090.00	7087.75	-1250.63	1660989.12	14321176.92	39°26'14.402"N	80°55'37.692"W	7197.25	349.993	2.29	-0.03	2.29	
14002.00	90.460	342.210	6347.11	7184.95	7178.11	-1279.96	1660959.80	14321267.24	39°26'15.295"N	80°55'38.065"W	7291.33	349.890	0.42	-0.06	0.41	
14096.00	90.550	342.480	6346.28	7278.87	7267.68	-1308.47	1660931.30	14321356.77	39°26'16.181"N	80°55'38.428"W	7384.53	349.794	0.30	0.10	0.23	
14191.00	90.460	342.900	6345.45	7373.77	7358.37	-1336.74	1660903.05	14321447.43	39°26'17.077"N	80°55'38.787"W	7478.80	349.704	0.45	-0.08	0.44	
14285.00	90.520	341.090	6344.64	7467.71	7447.76	-1365.79	1660874.00	14321536.79	39°26'17.961"N	80°55'39.156"W	7571.96	349.608	1.93	0.06	-1.93	
14380.00	90.400	340.900	6343.88	7562.69	7537.58	-1396.72	1660843.08	14321626.57	39°26'18.849"N	80°55'39.550"W	7665.90	349.502	0.24	-0.13	-0.20	
14476.00	90.580	342.000	6343.06	7658.66	7628.59	-1427.26	1660812.55	14321717.54	39°26'19.749"N	80°55'39.938"W	7760.96	349.403	1.16	0.19	1.15	
14571.00	90.490	344.340	6342.17	7753.51	7719.51	-1454.77	1660785.06	14321808.42	39°26'20.648"N	80°55'40.288"W	7855.39	349.328	2.46	-0.09	2.46	
14664.00	91.290	347.290	6340.73	7846.03	7809.65	-1477.55	1660762.29	14321898.53	39°26'21.539"N	80°55'40.577"W	7948.20	349.287	3.29	0.86	3.17	



Actual Wellpath Report

Pheasant Unit 3H AWP Proj: 15284'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Pheasant Unit 3H
Field	Tyler	Wellbore	Pheasant Unit 3H AWB
Facility	Stoneyly Pad		

WELLPATH DATA (187 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [°/100ft]	Comments
14760.00	91.080	344.140	6338.74	7941.53	7902.65	-1501.23	1660738.62	14321991.49	39°26'22.458"N	80°55'40.878"W	8043.98	349.244	3.29	-0.22	-3.28	
14853.00	90.950	341.070	6337.09	8034.42	7991.37	-1529.03	1660710.83	14322080.18	39°26'23.335"N	80°55'41.231"W	8136.34	349.168	3.30	-0.14	-3.30	
14948.00	91.080	340.430	6335.41	8129.40	8081.05	-1560.34	1660679.53	14322169.82	39°26'24.222"N	80°55'41.630"W	8230.31	349.071	0.69	0.14	-0.67	
15043.00	91.050	340.020	6333.64	8224.38	8170.43	-1592.48	1660647.41	14322259.16	39°26'25.105"N	80°55'42.038"W	8324.18	348.971	0.43	-0.03	-0.43	
15138.00	91.050	339.020	6331.90	8319.36	8259.41	-1625.71	1660614.19	14322348.11	39°26'25.985"N	80°55'42.461"W	8417.88	348.865	1.05	0.00	-1.05	
15232.00	91.080	339.720	6330.16	8413.33	8347.37	-1658.82	1660581.09	14322436.03	39°26'26.855"N	80°55'42.882"W	8510.59	348.760	0.75	0.03	0.74	
15284.00	91.080	339.720	6329.18	8465.32	8396.13	-1676.84	1660563.07	14322484.78	39°26'27.337"N	80°55'43.111"W	8561.94	348.706	0.00	0.00	0.00	Projected MD at TD: 15284'

HOLE & CASING SECTIONS - Ref Wellbore: Pheasant Unit 3H AWB Ref Wellpath: Pheasant Unit 3H AWP Proj: 15284'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	End N/S [ft]	Start E/W [ft]	End E/W [ft]
20in Conductor	24.50	104.50	80.00	24.50	104.50	0.00	0.11	0.00	0.02
17.5in Open Hole	104.50	625.50	521.00	104.50	625.50	0.00	0.58	0.00	1.86
13.375in Casing Surface	24.50	625.50	601.00	24.50	625.50	0.00	0.58	0.00	1.86
12.25in Open Hole	625.50	2622.50	1997.00	625.50	2566.30	0.58	-52.91	1.86	434.40
9.625in Casing Intermediate	24.50	2622.50	2598.00	24.50	2566.30	0.00	-52.91	0.00	434.40
8.75in Open Hole	2622.50	6492.50	3870.00	2566.30	6233.33	-52.91	185.69	434.40	1274.26
8.5in Open Hole	6492.50	15284.00	8791.50	6233.33	6329.18	185.69	8396.13	1274.26	-1676.84
5.5in Casing Production	24.50	15284.00	15259.50	24.50	6329.18	0.00	8396.13	0.00	-1676.84

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Actual Wellpath Report

Pheasant Unit 3H AWP Proj: 15284'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #06
ANTERO RESOURCES CORPORATION	Well	Pheasant Unit 3H
Area Tyler County, WV	Wellbore	Pheasant Unit 3H AWB
Field Tyler		
Facility Stonefly Pad		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Pheasant Unit 3H POE Rev-2	6374.00	381.81	1211.01	1663449.77	14314473.67	39°25'08.103"N	80°55'06.395"W	point
Pheasant Unit 3H BHL Rev-2	6405.00	8400.51	-1693.22	1660546.70	14322489.15	39°26'27.360"N	80°55'43.320"W	point
Pheasant Unit 3H LP Rev-2	6405.00	539.23	1154.00	1663392.78	14314631.03	39°25'09.659"N	80°55'07.120"W	point

WELLPATH COMPOSITION - Ref Wellbore: Pheasant Unit 3H AWB Ref Wellpath: Pheasant Unit 3H AWP Proj: 15284'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.50	606.50	Gyrodata standard - Drop gyro or Multi-shot		Pheasant Unit 3H AWB
606.50	1062.50	Gyrodata standard - Drop gyro or Multi-shot	01_Gyrodata MS Gyro <17-1/2">(100'-59.7')	Pheasant Unit 3H AWB
1062.50	2539.50	ISCVSA MWD, Rev. 4 (Standard)	02_Gyrodata MS Gyro <12-1/4">(59.7')(679'-1053')	Pheasant Unit 3H AWB
2539.50	6418.50	ISCVSA MWD, Rev. 4 (Standard)	03_WFT EM <12-1/4">(1053')(1170'-2530')	Pheasant Unit 3H AWB
6418.50	15232.00	BHI AutoTrak Curve (Short)	04_WFT EM <8-3/4">(2530')(2628'-6409')	Pheasant Unit 3H AWB
15232.00	15284.00	Blind Drilling (std)	05_BHI AT Curve <8-1/2">(6418.5')(6475'-15232')	Pheasant Unit 3H AWB
			Projection to bit	Pheasant Unit 3H AWB

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Actual Wellpath Report

Pheasant Unit 3H AWP Proj: 15284'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #06
Area	Tyler County, WV	Well	Pheasant Unit 3H
Field	Tyler	Wellbore	Pheasant Unit 3H AWB
Facility	Stonerfly Pad		

COMMENTS
<p>Wellpath general comments</p> <p>API: 47-095-02437-0000</p> <p>BH Job #: 8982054</p> <p>Rig: Frontier 22</p> <p>Duration: 1/26/2018-1/29/2018</p> <p>Gyrodatta MS Gyro <17-1/2"> (100'-597')</p> <p>Gyrodatta MS Gyro <12-1/4"> (597')(679'-1053')</p> <p>WFD EM <12-1/4"> (1053')(1170'-2530')</p> <p>WFD EM <8-3/4"> (2530')(2628'-6409')</p> <p>Sycamore: 6287'MD / 6077'TVD</p> <p>BH AT Curve <8-1/2"> (6418.5')(6475'-15232')</p> <p>Middlesex: 6495'MD / 6235'TVD</p> <p>Burket: 6634'MD / 6324'TVD</p> <p>Tully: 6690'MD / 6351'TVD</p> <p>POE Marcellus: 6756'MD / 6377'TVD</p> <p>Projected MD at TD: 15284'</p>

04/05/2019