



ANTERO RESOURCES CORPORATION



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

Slot: Slot #08
Well: Seagrave Unit 2H
Wellbore: Seagrave Unit 2H PWB

Plot reference wellpath is Seagrave Unit 2H PWP Rev-B.0	Grid System: NAD83 / UTM Zone 17 North, US feet
The vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1105.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot #08): -1081 feet	Depths are in feet
Other wellpath MDs are referenced to each path's default MD datum	Created by: utahyar on 2020-10-01; Database: WA_MPL_EASTERNUS_Data

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Pyles Pad	1686309.101	14345436.083	39°30'13.9340"N	80°50'14.2940"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #08	-59.90	-2.87	1686309.231	14345378.203
Comment	Seagrave Unit 2H			
H&P 317 (RKB) to Ground level (At Slot: Slot #08)	25.5 ft			
Mean Sea Level to Ground level (At Slot: Slot #08)	-1081 ft			
H&P 317 (RKB) to Mean Sea Level	1105.5 ft			

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (*/100ft)	VS (ft)
Tie On	2624.00	20.490	88.630	2523.11	7.45	608.31	0.70	-189.59
Proj. to Bottom	2703.00	20.490	88.630	2597.11	8.11	635.95	0.00	-197.90
Drill Out	2783.00	20.490	88.630	2672.05	8.78	663.95	0.00	-205.32
End of 3D Arc	2842.01	19.076	91.780	2727.58	8.73	693.91	3.00	-212.82
Curve KOP	6177.70	19.076	91.780	5880.09	-25.13	1773.57	0.00	-597.10
POE	7212.18	75.440	341.137	6635.00	546.35	1782.24	8.00	-59.11
Landing PL	7394.17	90.000	341.137	6658.00	716.72	1724.03	8.00	120.84
BHL	23187.13	90.000	341.137	6658.00	15661.47	-3382.04	0.00	15913.89

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #08	Seagrave Unit 2H	Seagrave Unit 2H AWP	Seagrave Unit 2H AWP Proj: 23174'
Slot #08	Seagrave Unit 2H	Seagrave Unit 2H PWB	Seagrave Unit 2H PWP Rev-B.0

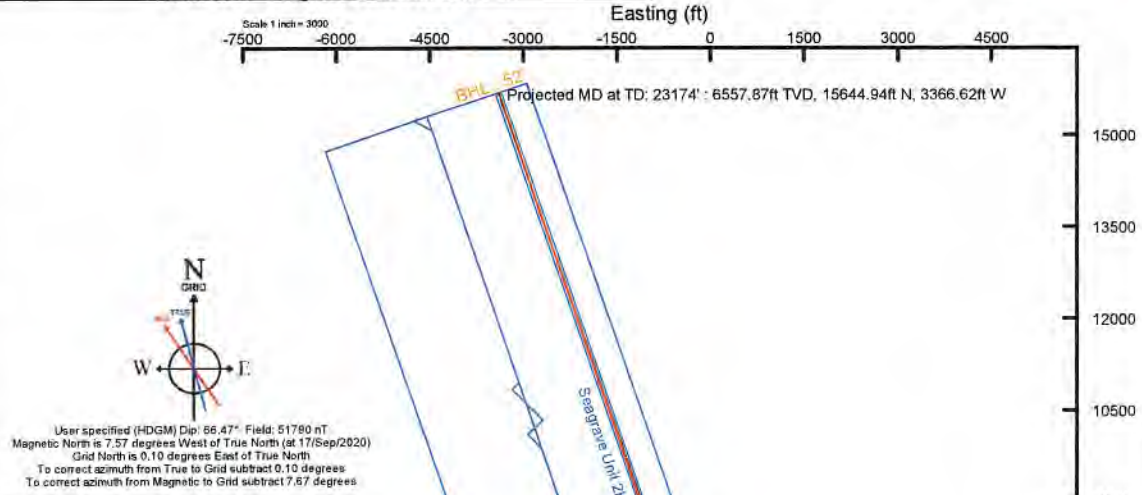
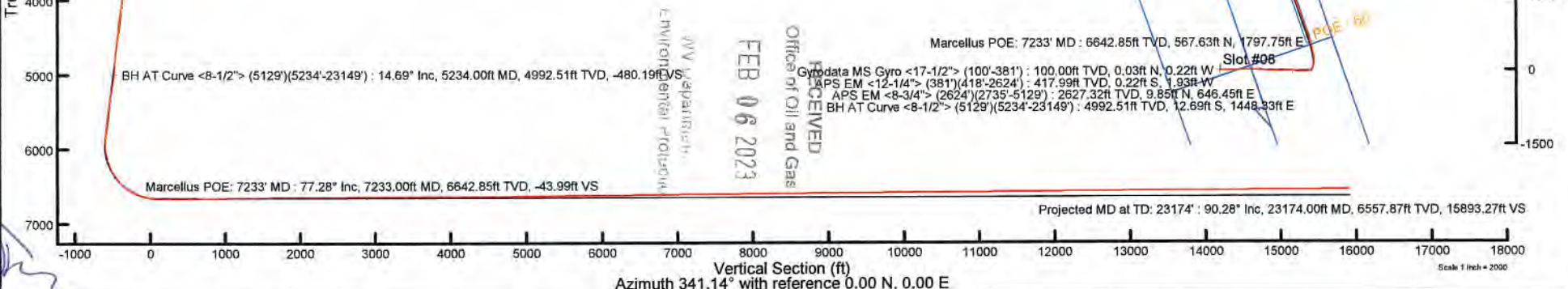
Gyrodata MS Gyro <17-1/2"> (100'-381') : 0.34° Inc, 100.00ft MD, 100.00ft TVD, 0.10ft VS
 APS EM <12-1/4"> (381')(418'-2624') : 0.07° Inc, 418.00ft MD, 417.99ft TVD, 0.41ft VS

APS EM <8-3/4"> (2624')(2735'-5129') : 19.82° Inc, 2735.00ft MD, 2627.32ft TVD, -199.65ft VS

BH AT Curve <8-1/2"> (5129')(5234'-23149') : 14.69° Inc, 5234.00ft MD, 4992.51ft TVD, -480.19ft VS

Marcellus POE: 7233' MD : 77.28° Inc, 7233.00ft MD, 6642.85ft TVD, -43.99ft VS

API: 47-095-02698-0000
 BH Job #: 110531831-B
 Rig: H&P 317
 Duration: 9/20/2020-9/28/2020



User specified (HDGM) Dip: 66.47° Field: 51780 nT
 Magnetic North is 7.57 degrees West of True North (at 17/Sep/2020)
 Grid North is 0.10 degrees East of True North
 To correct azimuth from True to Grid subtract 0.10 degrees
 To correct azimuth from Magnetic to Grid subtract 7.67 degrees

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Projected MD at TD: 23174' : 90.28° Inc, 23174.00ft MD, 6557.87ft TVD, 15893.27ft VS
 Scale 1 inch = 2000



Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999602	Report Generated	01/Oct/2020 at 12:36
Convergence at slot	0.10° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-59.90	-2.87	1686306.23	14345376.20	39°30'13.3420"N	80°50'14.3320"W
Facility Reference Pt			1686309.10	14345436.08	39°30'13.9340"N	80°50'14.2940"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM

Calculation method	Minimum curvature	H&P 317 (RKB) to Facility Vertical Datum	1106.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1106.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot #08)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	341.14°

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Seagrave Unit 2H AWP Proj: 23174'

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Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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	277.260	0.00	0.00	0.00	0.00	1686306.23	14345376.20	39°30'13.3420"N	80°50'14.3320"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	277.260	25.50	0.00	0.00	0.00	1686306.23	14345376.20	39°30'13.3420"N	80°50'14.3320"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.340	277.260	100.00	0.10	0.03	-0.22	1686306.01	14345376.23	39°30'13.3423"N	80°50'14.3348"W	0.22	277.260	0.46	0.46	0.00	Gyrodata MS Gyro <17-1/2"> (100'-381')
200.00	0.440	274.040	200.00	0.38	0.09	-0.90	1686305.34	14345376.30	39°30'13.3429"N	80°50'14.3434"W	0.90	275.889	0.10	0.10	-3.22	
300.00	0.340	245.950	299.99	0.50	0.00	-1.55	1688304.88	14345376.20	39°30'13.3420"N	80°50'14.3518"W	1.55	269.949	0.21	-0.10	-28.09	
381.00	0.190	238.640	380.99	0.45	-0.17	-1.88	1686304.35	14345376.03	39°30'13.3404"N	80°50'14.3560"W	1.89	264.869	0.19	-0.19	-9.02	
418.00	0.070	151.850	417.99	0.41	-0.22	-1.93	1686304.31	14345375.98	39°30'13.3398"N	80°50'14.3566"W	1.94	263.453	0.54	-0.32	-234.57	APS EM <12-1/4"> (381')(418'-2624')
508.00	1.320	86.570	507.99	0.08	-0.21	-0.87	1686305.37	14345376.00	39°30'13.3400"N	80°50'14.3430"W	0.89	256.519	1.44	1.39	-72.53	
598.00	3.610	94.710	597.90	-1.33	-0.38	2.99	1686309.22	14345375.82	39°30'13.3382"N	80°50'14.2938"W	3.02	97.201	2.57	2.54	9.04	
690.00	5.690	94.630	689.59	-4.30	-0.98	10.43	1686316.65	14345375.22	39°30'13.3321"N	80°50'14.1990"W	10.47	95.392	2.26	2.26	-0.09	
781.00	7.740	91.500	779.96	-8.23	-1.51	21.05	1686327.27	14345374.69	39°30'13.3267"N	80°50'14.0635"W	21.10	94.100	2.29	2.25	-3.44	
872.00	9.500	88.350	869.93	-12.59	-1.45	34.68	1686340.90	14345374.75	39°30'13.3270"N	80°50'13.8896"W	34.71	92.399	2.00	1.93	-3.46	
963.00	11.650	86.100	959.38	-17.18	-0.61	51.36	1686357.57	14345375.59	39°30'13.3350"N	80°50'13.6768"W	51.36	90.682	2.41	2.36	-2.47	
1055.00	15.610	86.590	1048.77	-22.88	0.76	72.99	1686379.19	14345376.96	39°30'13.3482"N	80°50'13.4008"W	72.99	89.406	4.31	4.30	0.53	
1150.00	17.820	88.480	1139.75	-30.62	1.90	100.28	1686406.48	14345378.10	39°30'13.3590"N	80°50'13.0526"W	100.30	88.913	2.40	2.33	1.99	
1244.00	19.400	90.010	1228.83	-39.95	2.28	130.28	1686436.46	14345378.48	39°30'13.3622"N	80°50'12.6700"W	130.30	88.997	1.76	1.68	1.63	
1339.00	18.800	88.020	1318.60	-49.50	2.81	161.35	1686467.52	14345379.01	39°30'13.3669"N	80°50'12.2735"W	161.38	89.003	0.93	-0.63	-2.09	
1434.00	19.130	91.070	1408.45	-59.25	3.05	192.22	1686498.37	14345379.25	39°30'13.3687"N	80°50'11.8797"W	192.24	89.092	1.10	0.35	3.21	
1529.00	19.910	92.120	1497.99	-70.35	2.16	223.95	1686530.09	14345378.36	39°30'13.3593"N	80°50'11.4750"W	223.96	89.448	0.90	0.82	1.11	
1624.00	21.840	92.210	1586.75	-82.50	0.88	257.77	1686563.90	14345377.08	39°30'13.3461"N	80°50'11.0435"W	257.77	89.805	2.03	2.03	0.09	
1719.00	21.220	91.990	1675.12	-94.97	-0.40	292.61	1686598.73	14345375.80	39°30'13.3328"N	80°50'10.5991"W	292.61	90.079	0.66	-0.65	-0.23	
1814.00	21.130	90.920	1763.71	-106.88	-1.27	326.91	1686633.02	14345374.93	39°30'13.3236"N	80°50'10.1615"W	326.92	90.223	0.42	-0.09	-1.13	
1909.00	20.310	86.500	1852.57	-117.04	-0.54	360.49	1686666.58	14345375.66	39°30'13.3302"N	80°50'9.7330"W	360.49	90.086	1.86	-0.86	-4.65	
2004.00	19.420	83.420	1941.92	-124.77	2.27	392.64	1686698.72	14345378.48	39°30'13.3574"N	80°50'9.3229"W	392.65	89.668	1.45	-0.94	-3.24	
2099.00	19.760	85.610	2031.42	-132.14	5.31	424.34	1686730.40	14345381.51	39°30'13.3869"N	80°50'8.9184"W	424.38	89.283	0.85	0.36	2.31	
2193.00	20.430	89.280	2119.70	-141.22	6.74	456.59	1686762.64	14345382.94	39°30'13.4004"N	80°50'8.5089"W	456.64	89.155	1.52	0.71	3.90	
2288.00	20.700	89.320	2208.64	-151.62	7.14	489.96	1686796.00	14345383.34	39°30'13.4038"N	80°50'8.0812"W	490.01	89.165	0.28	0.28	0.04	
2383.00	20.910	90.390	2297.45	-162.45	7.23	523.70	1686829.72	14345383.43	39°30'13.4040"N	80°50'7.6508"W	523.75	89.209	0.46	0.22	1.13	
2478.00	20.370	90.080	2386.35	-173.41	7.09	557.19	1686863.20	14345383.29	39°30'13.4021"N	80°50'7.2236"W	557.23	89.271	0.58	-0.57	-0.33	
2573.00	20.580	89.620	2475.35	-184.07	7.18	590.42	1686896.41	14345383.38	39°30'13.4023"N	80°50'6.7996"W	590.46	89.304	0.28	0.22	-0.48	

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Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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
2624.00	20.490	88.630	2523.11	-189.59	7.45	608.31	1686914.29	14345383.65	39°30'13.4047"N	80°50'6.5714"W	608.35	89.298	0.70	-0.18	-1.94	
2735.00	19.820	84.090	2627.32	-199.65	9.85	646.45	1686952.42	14345386.05	39°30'13.4277"N	80°50'6.0848"W	646.52	89.127	1.53	-0.60	-4.09	APS EM <8-3/4"> (2624')(2735'-5129')
2824.00	18.700	87.020	2711.34	-206.93	12.15	675.71	1686981.67	14345388.35	39°30'13.4499"N	80°50'5.7115"W	675.82	88.970	1.66	-1.26	3.29	
2912.00	18.100	92.610	2794.85	-215.80	12.26	703.45	1687009.40	14345388.46	39°30'13.4505"N	80°50'5.3575"W	703.56	89.002	2.12	-0.68	6.35	
3001.00	19.090	97.140	2879.20	-227.24	9.82	731.71	1687037.65	14345386.02	39°30'13.4259"N	80°50'4.9971"W	731.77	89.231	1.97	1.11	5.09	
3094.00	21.100	98.510	2966.54	-241.60	5.45	763.36	1687069.28	14345381.65	39°30'13.3821"N	80°50'4.5934"W	763.38	89.591	2.22	2.16	1.47	
3182.00	20.930	95.860	3048.69	-255.46	1.50	794.66	1687100.57	14345377.70	39°30'13.3425"N	80°50'4.1942"W	794.66	89.892	1.10	-0.19	-3.01	
3271.00	19.170	91.860	3132.29	-267.28	-0.59	825.08	1687130.98	14345375.61	39°30'13.3213"N	80°50'3.8061"W	825.08	90.041	2.51	-1.98	-4.49	
3359.00	18.860	92.020	3215.49	-277.46	-1.57	853.74	1687159.63	14345374.64	39°30'13.3112"N	80°50'3.4406"W	853.74	90.105	0.36	-0.35	0.18	
3448.00	18.850	96.050	3299.72	-288.64	-3.59	882.41	1687188.29	14345372.62	39°30'13.2906"N	80°50'3.0748"W	882.42	90.233	1.46	-0.01	4.53	
3536.00	18.980	95.550	3382.97	-300.54	-6.47	910.79	1687216.66	14345369.74	39°30'13.2616"N	80°50'2.7128"W	910.81	90.407	0.24	0.15	-0.57	
3625.00	19.050	97.040	3467.11	-312.87	-9.65	939.61	1687245.47	14345366.56	39°30'13.2297"N	80°50'2.3452"W	939.66	90.588	0.55	0.08	1.67	
3713.00	19.180	95.740	3550.26	-325.16	-12.86	968.25	1687274.09	14345363.35	39°30'13.1975"N	80°50'1.9800"W	968.33	90.761	0.51	0.15	-1.48	
3802.00	20.340	93.430	3634.02	-337.11	-15.24	998.24	1687304.07	14345360.97	39°30'13.1733"N	80°50'1.5975"W	998.35	90.875	1.57	1.30	-2.60	
3890.00	18.920	89.770	3716.90	-347.47	-18.10	1027.77	1687333.59	14345360.11	39°30'13.1643"N	80°50'1.2207"W	1027.90	90.898	2.13	-1.61	-4.16	
3979.00	17.800	86.230	3801.38	-355.62	-15.15	1055.78	1687361.59	14345361.06	39°30'13.1732"N	80°50'0.8634"W	1055.88	90.822	1.78	-1.26	-3.98	
4067.00	16.860	86.650	3885.38	-362.54	-13.52	1081.94	1687387.74	14345362.69	39°30'13.1888"N	80°50'0.5296"W	1082.02	90.716	1.08	-1.07	0.48	
4156.00	16.430	90.100	3970.65	-370.08	-12.79	1107.41	1687413.20	14345363.42	39°30'13.1956"N	80°50'0.2046"W	1107.48	90.662	1.21	-0.48	3.88	
4244.00	16.890	94.290	4054.96	-379.15	-13.76	1132.60	1687438.38	14345362.44	39°30'13.1855"N	80°49'59.8832"W	1132.69	90.696	1.46	0.52	4.76	
4333.00	16.840	96.130	4140.13	-389.68	-16.11	1158.31	1687464.08	14345360.10	39°30'13.1619"N	80°49'59.5553"W	1158.43	90.797	0.60	-0.06	2.07	
4421.00	17.960	93.030	4224.11	-400.12	-18.19	1184.54	1687490.30	14345358.02	39°30'13.1408"N	80°49'59.2208"W	1184.68	90.880	1.65	1.27	-3.52	
4510.00	19.910	90.870	4308.29	-410.35	-19.14	1213.40	1687519.14	14345357.07	39°30'13.1309"N	80°49'58.8527"W	1213.55	90.904	2.33	2.19	-2.43	
4598.00	20.600	88.610	4390.85	-420.08	-18.99	1243.86	1687549.59	14345357.22	39°30'13.1318"N	80°49'58.4641"W	1244.00	90.875	1.19	0.78	-2.57	
4687.00	20.880	85.720	4474.08	-428.75	-17.43	1275.32	1687581.05	14345358.78	39°30'13.1466"N	80°49'58.0626"W	1275.44	90.783	1.19	0.31	-3.25	
4775.00	21.050	86.680	4556.26	-436.93	-15.35	1306.74	1687612.45	14345360.86	39°30'13.1667"N	80°49'57.6617"W	1306.83	90.873	0.44	0.19	1.09	
4863.00	20.400	91.380	4638.57	-446.47	-14.80	1337.85	1687643.55	14345361.41	39°30'13.1715"N	80°49'57.2648"W	1337.94	90.634	2.03	-0.74	5.34	
4952.00	19.300	89.490	4722.28	-456.47	-15.04	1368.07	1687673.75	14345361.17	39°30'13.1686"N	80°49'56.8793"W	1368.15	90.630	1.43	-1.24	-2.12	
5041.00	17.420	88.330	4806.75	-465.04	-14.52	1396.10	1687701.77	14345361.69	39°30'13.1732"N	80°49'56.5218"W	1396.17	90.596	2.15	-2.11	-1.30	
5129.00	15.510	86.190	4891.13	-471.99	-13.36	1421.00	1687726.67	14345362.85	39°30'13.1842"N	80°49'56.2040"W	1421.07	90.539	2.28	-2.17	-2.43	
5234.00	14.690	91.150	4992.51	-480.19	-12.69	1448.33	1687753.98	14345363.52	39°30'13.1903"N	80°49'55.8554"W	1448.38	90.502	1.46	-0.78	4.72	BH AT Curve <8-1/2"> (5129')(5234'-23149')

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Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 stations) † = interpolated, ‡ = extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
5323.00	17.020	98.710	5078.13	-490.08	-14.89	1472.49	1687778.13	14345361.32	39°30'13.1681"N	80°49'55.5472"W	1472.56	90.579	3.49	2.62	8.49	
5412.00	18.750	100.200	5162.83	-503.06	-19.40	1499.44	1687805.08	14345356.81	39°30'13.1231"N	80°49'55.2035"W	1499.57	90.741	2.01	1.94	1.67	
5500.00	19.910	99.490	5245.86	-517.05	-24.37	1528.14	1687833.76	14345351.84	39°30'13.0734"N	80°49'54.8374"W	1528.34	90.914	1.34	1.32	-0.81	
5589.00	20.920	98.320	5329.27	-531.50	-29.17	1558.81	1687864.42	14345347.04	39°30'13.0254"N	80°49'54.4463"W	1559.09	91.072	1.22	1.13	-1.31	
5677.00	21.850	94.500	5411.22	-545.17	-32.73	1590.69	1687896.28	14345343.49	39°30'12.9896"N	80°49'54.0398"W	1591.02	91.179	1.90	1.06	-4.34	
5766.00	21.410	90.780	5493.95	-557.20	-34.25	1623.44	1687929.02	14345341.97	39°30'12.9740"N	80°49'53.6219"W	1623.80	91.209	1.62	-0.49	-4.18	
5854.00	22.080	86.790	5575.70	-567.06	-33.54	1656.02	1687961.59	14345342.67	39°30'12.9804"N	80°49'53.2063"W	1656.36	91.160	1.84	0.76	-4.53	
5943.00	21.730	86.120	5658.27	-575.83	-31.49	1689.16	1687994.71	14345344.73	39°30'13.0001"N	80°49'52.7835"W	1689.45	91.068	0.48	-0.39	-0.75	
6032.00	21.650	86.490	5740.97	-584.44	-29.37	1721.98	1688027.52	14345346.84	39°30'13.0204"N	80°49'52.3647"W	1722.23	90.977	0.18	-0.09	0.42	
6120.00	18.350	90.300	5823.65	-593.28	-28.45	1752.05	1688057.58	14345347.77	39°30'13.0290"N	80°49'51.9811"W	1752.28	90.930	4.03	-3.75	4.33	
6208.00	18.320	76.080	5907.23	-599.02	-25.19	1779.34	1688084.86	14345351.02	39°30'13.0606"N	80°49'51.6329"W	1779.51	90.811	5.07	-0.03	-16.16	
6297.00	19.500	51.040	5991.56	-595.11	-12.47	1804.51	1688110.02	14345363.74	39°30'13.1860"N	80°49'51.3115"W	1804.55	90.396	9.15	1.33	-28.13	
6385.00	21.200	38.390	6074.11	-581.45	9.25	1825.82	1688131.32	14345385.45	39°30'13.4002"N	80°49'51.0391"W	1825.84	89.710	5.35	1.93	-14.37	
6474.00	24.350	30.570	6156.18	-560.80	37.68	1845.15	1688150.65	14345413.87	39°30'13.6808"N	80°49'50.7917"W	1845.54	88.830	4.90	3.54	-8.79	
6562.00	28.550	19.240	6235.00	-532.43	73.19	1861.33	1688166.81	14345449.36	39°30'14.0315"N	80°49'50.5845"W	1862.77	87.748	7.44	4.77	-12.88	
6651.00	32.950	7.410	6311.54	-493.93	117.33	1871.47	1688176.96	14345493.49	39°30'14.4676"N	80°49'50.4541"W	1875.15	86.412	8.38	4.94	-13.29	
6698.00†	35.530	3.783	6350.39	-469.86	143.64	1874.02	1688179.50	14345519.79	39°30'14.7275"N	80°49'50.4209"W	1879.52	85.617	7.00	5.49	-7.72	Sycamore: 6698' MD
6739.00	37.860	0.980	6383.27	-447.02	168.12	1875.02	1688180.51	14345544.25	39°30'14.9694"N	80°49'50.4075"W	1882.54	84.877	7.00	5.68	-6.84	
6828.00	44.460	356.490	6450.25	-391.20	226.61	1873.58	1688179.06	14345602.72	39°30'15.5475"N	80°49'50.4245"W	1887.23	83.104	8.12	7.42	-5.04	
6850.00†	46.367	354.920	6465.69	-376.04	242.23	1872.40	1688177.89	14345618.34	39°30'15.7020"N	80°49'50.4392"W	1888.01	82.629	10.05	8.67	-7.14	Middlesex: 6850' MD
6916.00	52.200	350.750	6508.74	-327.08	291.82	1866.09	1688171.58	14345667.90	39°30'16.1921"N	80°49'50.5185"W	1888.77	81.112	10.05	8.84	-6.32	
7005.00	58.730	347.380	6559.18	-254.51	363.73	1852.11	1688157.60	14345739.79	39°30'16.9031"N	80°49'50.6952"W	1887.49	78.889	7.97	7.34	-3.79	
7015.00†	59.807	347.078	6564.29	-245.96	372.11	1850.21	1688155.70	14345748.17	39°30'16.9860"N	80°49'50.7192"W	1887.26	78.628	11.07	10.77	-3.02	Burkett: 7015' MD
7050.00	63.580	346.070	6580.88	-215.29	402.08	1843.05	1688148.55	14345778.12	39°30'17.2823"N	80°49'50.8098"W	1886.40	77.693	11.07	10.78	-2.88	
7069.00†	64.596	345.891	6589.18	-198.26	418.66	1838.91	1688144.41	14345794.69	39°30'17.4462"N	80°49'50.8622"W	1885.97	77.174	5.41	5.35	-0.94	Tully: 7069' MD
7093.00	65.880	345.670	6599.24	-176.54	439.78	1833.56	1688139.06	14345815.81	39°30'17.6551"N	80°49'50.9300"W	1885.56	76.512	5.41	5.35	-0.92	
7135.00	69.280	344.670	6615.25	-137.82	477.31	1823.62	1688129.12	14345853.32	39°30'18.0262"N	80°49'51.0559"W	1885.05	75.333	8.39	8.10	-2.38	
7182.00	73.820	344.140	6630.12	-93.32	520.24	1811.63	1688117.14	14345896.23	39°30'18.4507"N	80°49'51.2078"W	1884.85	73.978	9.72	9.66	-1.13	
7233.00†	77.279	343.215	6642.85	-43.99	567.63	1797.75	1688103.27	14345943.60	39°30'18.9193"N	80°49'51.3838"W	1885.24	72.477	7.01	6.78	-1.81	Marcellus POE: 7233' MD
7270.00	79.790	342.560	6650.20	-7.74	602.28	1787.08	1688092.60	14345978.24	39°30'19.2620"N	80°49'51.5190"W	1885.84	71.375	7.01	6.79	-1.77	

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Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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
7359.00	86.680	341.840	6660.68	80.57	686.38	1760.08	1688065.61	14346062.30	39°30'20.0937"N	80°49'51.8616"W	1889.18	68.696	7.78	7.74	-0.81	
7447.00	88.710	341.280	6664.22	168.49	769.78	1732.27	1688037.81	14346145.68	39°30'20.9185"N	80°49'52.2144"W	1895.60	66.041	2.39	2.31	-0.64	
7536.00	91.110	340.670	6664.36	257.48	853.92	1703.26	1688008.81	14346229.78	39°30'21.7506"N	80°49'52.5825"W	1905.32	63.373	2.78	2.70	-0.69	
7624.00	90.860	340.480	6662.85	345.46	936.90	1673.99	1687979.56	14346312.72	39°30'22.5712"N	80°49'52.9538"W	1918.34	60.765	0.36	-0.28	-0.22	
7713.00	90.820	340.680	6661.70	434.45	1020.82	1644.41	1687949.98	14346396.62	39°30'23.4013"N	80°49'53.3293"W	1935.50	58.169	0.35	-0.27	0.22	
7801.00	90.340	340.180	6660.96	522.44	1103.74	1614.93	1687920.52	14346479.50	39°30'24.2213"N	80°49'53.7034"W	1956.08	55.649	0.65	-0.32	-0.57	
7889.00	90.830	340.590	6660.06	610.43	1186.63	1585.39	1687890.99	14346562.35	39°30'25.0410"N	80°49'54.0782"W	1980.29	53.186	0.73	0.56	0.47	
7978.00	92.430	339.570	6657.53	699.37	1270.26	1555.08	1687860.69	14346645.96	39°30'25.8682"N	80°49'54.4629"W	2007.95	50.756	2.13	1.80	-1.15	
8066.00	90.860	339.070	6655.00	787.29	1352.56	1524.02	1687829.64	14346728.22	39°30'26.6821"N	80°49'54.8573"W	2037.66	48.411	1.87	-1.78	-0.57	
8155.00	90.310	339.990	6654.10	876.25	1435.93	1492.90	1687798.53	14346811.56	39°30'27.5067"N	80°49'55.2524"W	2071.39	46.114	1.20	-0.62	1.03	
8243.00	90.710	340.280	6653.31	964.23	1518.69	1462.99	1687768.64	14346894.29	39°30'28.3252"N	80°49'55.6319"W	2108.74	43.930	0.56	0.45	0.33	
8331.00	90.370	340.410	6652.48	1052.22	1601.56	1433.40	1687739.05	14346977.12	39°30'29.1448"N	80°49'56.0075"W	2149.33	41.829	0.41	-0.39	0.15	
8420.00	91.020	339.500	6651.40	1141.19	1685.16	1402.89	1687708.56	14347060.69	39°30'29.9716"N	80°49'56.3947"W	2192.69	39.777	1.26	0.73	-1.02	
8508.00	90.520	338.810	6650.22	1229.13	1767.39	1371.58	1687677.27	14347142.89	39°30'30.7849"N	80°49'56.7922"W	2237.17	37.813	0.97	-0.57	-0.78	
8597.00	90.620	338.310	6649.34	1318.04	1850.23	1339.05	1687644.75	14347225.69	39°30'31.6042"N	80°49'57.2053"W	2283.95	35.894	0.57	0.11	-0.56	
8685.00	90.920	337.720	6648.15	1405.90	1931.82	1306.11	1687611.82	14347307.25	39°30'32.4112"N	80°49'57.6236"W	2331.92	34.063	0.75	0.34	-0.67	
8774.00	90.340	339.820	6647.17	1494.81	2014.77	1273.89	1687579.61	14347390.17	39°30'33.2316"N	80°49'58.0328"W	2383.72	32.304	2.45	-0.65	2.36	
8862.00	90.950	341.860	6646.18	1582.80	2097.89	1245.01	1687550.74	14347473.25	39°30'34.0536"N	80°49'58.3993"W	2439.50	30.687	2.42	0.69	2.32	
8950.00	90.400	341.540	6645.15	1670.79	2181.43	1217.38	1687523.12	14347556.76	39°30'34.8798"N	80°49'58.7498"W	2498.13	29.164	0.72	-0.63	-0.36	
9039.00	90.310	342.010	6644.59	1759.78	2265.97	1189.54	1687495.30	14347641.26	39°30'35.7158"N	80°49'59.1029"W	2559.22	27.698	0.54	-0.10	0.53	
9128.00	90.550	342.110	6643.93	1848.77	2350.64	1162.13	1687467.90	14347725.90	39°30'36.5531"N	80°49'59.4507"W	2622.22	26.307	0.29	0.27	0.11	
9216.00	90.180	341.500	6643.37	1936.76	2434.23	1134.65	1687440.43	14347809.46	39°30'37.3798"N	80°49'59.7993"W	2685.69	24.991	0.81	-0.42	-0.69	
9305.00	90.580	342.270	6642.78	2025.75	2518.82	1106.98	1687412.77	14347894.02	39°30'38.2163"N	80°50'0.1503"W	2751.34	23.725	0.97	0.45	0.87	
9393.00	90.710	342.910	6641.79	2113.71	2602.78	1080.65	1687386.45	14347977.94	39°30'39.0466"N	80°50'0.4843"W	2818.21	22.548	0.74	0.15	0.73	
9481.00	89.850	342.230	6641.36	2201.68	2686.74	1054.30	1687360.11	14348061.87	39°30'39.8769"N	80°50'0.8186"W	2886.19	21.425	1.25	-0.98	-0.77	
9570.00	90.220	341.550	6641.30	2290.68	2771.33	1026.63	1687332.45	14348146.42	39°30'40.7134"N	80°50'1.1696"W	2955.37	20.327	0.87	0.42	-0.76	
9658.00	90.060	341.700	6641.09	2378.67	2854.84	998.89	1687304.72	14348229.90	39°30'41.5393"N	80°50'1.5215"W	3024.55	19.285	0.25	-0.18	0.17	
9747.00	90.370	341.660	6640.75	2467.67	2939.33	970.92	1687276.76	14348314.36	39°30'42.3749"N	80°50'1.8765"W	3095.54	18.279	0.35	0.35	-0.04	
9835.00	90.430	342.000	6640.14	2555.66	3022.94	943.47	1687249.33	14348397.94	39°30'43.2017"N	80°50'2.2246"W	3166.75	17.333	0.39	0.07	0.39	
9924.00	90.620	341.470	6639.32	2644.65	3107.45	915.58	1687221.45	14348482.41	39°30'44.0375"N	80°50'2.5785"W	3239.53	16.417	0.63	0.21	-0.60	

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Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION			
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Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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
10012.00	90.950	342.530	6638.12	2732.63	3191.14	888.39	1687194.27	14348566.06	39°30'44.8650"N	80°50'2.9235"W	3312.49	15.557	1.26	0.37	1.20	
10101.00	90.370	342.390	6637.09	2821.60	3275.99	861.57	1687167.46	14348650.89	39°30'45.7042"N	80°50'3.2637"W	3387.39	14.735	0.67	-0.65	-0.16	
10189.00	90.550	342.110	6636.38	2909.58	3359.80	834.74	1687140.64	14348734.66	39°30'46.5330"N	80°50'3.6040"W	3461.94	13.953	0.38	0.20	-0.32	
10278.00	90.370	342.220	6635.67	2998.56	3444.52	807.49	1687113.40	14348819.35	39°30'47.3708"N	80°50'3.9498"W	3537.90	13.193	0.24	-0.20	0.12	
10366.00	89.970	342.500	6635.41	3086.54	3528.38	780.82	1687086.74	14348903.18	39°30'48.2001"N	80°50'4.2881"W	3613.75	12.478	0.55	-0.45	0.32	
10455.00	91.570	341.970	6634.21	3175.52	3613.13	753.67	1687059.60	14348987.89	39°30'49.0382"N	80°50'4.6325"W	3690.90	11.782	1.89	1.80	-0.60	
10543.00	89.820	342.300	6633.15	3263.49	3696.88	726.68	1687032.62	14349071.60	39°30'49.8664"N	80°50'4.9750"W	3767.62	11.121	2.02	-1.99	0.37	
10632.00	89.750	341.600	6633.48	3352.48	3781.49	699.10	1687005.05	14349156.19	39°30'50.7032"N	80°50'5.3248"W	3845.57	10.474	0.79	-0.08	-0.79	
10720.00	89.630	342.240	6633.96	3440.47	3865.15	671.79	1686977.75	14349239.81	39°30'51.5304"N	80°50'5.6713"W	3923.09	9.860	0.74	-0.14	0.73	
10809.00	89.230	342.190	6634.84	3529.45	3949.89	644.61	1686950.58	14349324.51	39°30'52.3685"N	80°50'6.0162"W	4002.14	9.269	0.45	-0.45	-0.06	
10897.00	89.850	342.570	6635.55	3617.43	4033.76	617.97	1686923.95	14349408.35	39°30'53.1978"N	80°50'6.3541"W	4080.82	8.710	0.83	0.70	0.43	
10986.00	89.290	342.000	6636.22	3706.41	4118.53	590.89	1686896.88	14349493.09	39°30'54.0362"N	80°50'6.6976"W	4160.71	8.165	0.90	-0.63	-0.64	
11074.00	89.570	342.530	6637.09	3794.38	4202.35	564.08	1686870.09	14349576.87	39°30'54.8650"N	80°50'7.0377"W	4240.04	7.645	0.68	0.32	0.60	
11163.00	89.630	342.020	6637.71	3883.36	4287.12	536.99	1686843.01	14349661.61	39°30'55.7034"N	80°50'7.3814"W	4320.62	7.139	0.58	0.07	-0.57	
11251.00	89.720	340.950	6638.21	3971.36	4370.56	509.05	1686815.07	14349745.02	39°30'56.5286"N	80°50'7.7360"W	4400.11	6.643	1.22	0.10	-1.22	
11340.00	89.910	340.320	6638.50	4060.36	4454.53	479.53	1686785.57	14349828.95	39°30'57.3589"N	80°50'8.1106"W	4480.26	6.144	0.74	0.21	-0.71	
11428.00	89.970	339.770	6638.59	4148.34	4537.24	449.50	1686755.55	14349911.63	39°30'58.1770"N	80°50'8.4919"W	4559.45	5.658	0.63	0.07	-0.63	
11516.00	89.940	339.480	6638.66	4236.31	4619.74	418.86	1686724.93	14349994.09	39°30'58.9929"N	80°50'8.8809"W	4638.69	5.181	0.33	-0.03	-0.33	
11693.00	91.020	340.730	6637.18	4413.27	4786.16	358.64	1686664.72	14350160.45	39°31'0.6388"N	80°50'9.6456"W	4799.58	4.285	0.93	0.61	0.71	
11782.00	90.620	340.040	6635.90	4502.25	4869.99	328.76	1686634.86	14350244.24	39°31'1.4678"N	80°50'10.0248"W	4881.07	3.862	0.90	-0.45	-0.78	
11871.00	90.580	340.060	6634.97	4591.23	4953.64	298.40	1686604.51	14350327.87	39°31'2.2951"N	80°50'10.4103"W	4962.62	3.447	0.05	-0.04	0.02	
11959.00	90.620	339.770	6634.05	4679.20	5036.29	268.18	1686574.30	14350410.48	39°31'3.1125"N	80°50'10.7940"W	5043.42	3.048	0.33	0.05	-0.33	
12048.00	90.550	340.750	6633.14	4768.19	5120.05	238.12	1686544.26	14350494.21	39°31'3.9409"N	80°50'11.1756"W	5125.58	2.663	1.10	-0.08	1.10	
12136.00	90.460	340.450	6632.37	4856.18	5203.05	208.89	1686515.04	14350577.17	39°31'4.7617"N	80°50'11.5466"W	5207.24	2.299	0.36	-0.10	-0.34	
12224.00	90.580	340.160	6631.57	4944.17	5285.90	179.23	1686485.39	14350659.99	39°31'5.5811"N	80°50'11.9231"W	5288.94	1.942	0.36	0.14	-0.33	
12313.00	90.060	339.770	6631.07	5033.15	5369.51	148.74	1686454.92	14350743.57	39°31'6.4080"N	80°50'12.3102"W	5371.57	1.587	0.73	-0.58	-0.44	
12401.00	90.220	340.480	6630.86	5121.13	5452.27	118.83	1686425.01	14350826.29	39°31'7.2264"N	80°50'12.6901"W	5453.56	1.249	0.83	0.18	0.81	
12490.00	91.570	340.940	6629.47	5210.12	5536.26	89.43	1686395.63	14350910.25	39°31'8.0571"N	80°50'13.0632"W	5536.98	0.925	1.60	1.52	0.52	
12578.00	90.000	340.240	6628.26	5298.10	5619.25	60.19	1686366.40	14350993.21	39°31'8.8778"N	80°50'13.4344"W	5619.57	0.614	1.95	-1.78	-0.80	
12667.00	90.180	339.810	6628.12	5387.08	5702.89	29.79	1686336.01	14351076.82	39°31'9.7050"N	80°50'13.8205"W	5702.97	0.299	0.52	0.20	-0.48	

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Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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
12755.00	91.570	341.860	6626.78	5475.07	5786.00	0.90	1686307.13	14351159.89	39°31'10.5269"N	80°50'14.1871"W	5786.00	0.009	2.81	1.58	2.33	
12844.00	90.060	339.400	6625.51	5564.04	5869.94	-28.61	1686277.63	14351243.80	39°31'11.3571"N	80°50'14.5618"W	5870.01	359.721	3.24	-1.70	-2.76	
12932.00	90.550	340.300	6625.04	5652.02	5952.56	-58.92	1686247.33	14351326.38	39°31'12.1741"N	80°50'14.9467"W	5952.85	359.433	1.16	0.56	1.02	
13021.00	91.450	340.120	6623.49	5740.99	6036.29	-89.05	1686217.22	14351410.08	39°31'13.0022"N	80°50'15.3292"W	6036.94	359.155	1.03	1.01	-0.20	
13109.00	90.000	339.150	6622.37	5828.95	6118.78	-119.67	1686186.61	14351492.53	39°31'13.8180"N	80°50'15.7180"W	6119.95	358.880	1.98	-1.65	-1.10	
13197.00	90.060	340.370	6622.33	5916.92	6201.34	-150.12	1686156.18	14351575.07	39°31'14.6345"N	80°50'16.1046"W	6203.16	358.613	1.39	0.07	1.39	
13286.00	89.910	341.480	6622.35	6005.92	6285.45	-179.20	1686127.10	14351659.14	39°31'15.4664"N	80°50'16.4738"W	6288.01	358.367	1.26	-0.17	1.25	
13374.00	90.120	341.060	6622.33	6093.92	6368.79	-207.46	1686098.86	14351742.45	39°31'16.2905"N	80°50'16.8325"W	6372.17	358.134	0.53	0.24	-0.48	
13463.00	90.920	341.660	6621.52	6182.92	6453.12	-235.90	1686070.42	14351826.74	39°31'17.1245"N	80°50'17.1935"W	6457.43	357.906	1.12	0.90	0.67	
13551.00	90.490	340.610	6620.44	6270.91	6536.38	-264.35	1686041.98	14351909.97	39°31'17.9479"N	80°50'17.5547"W	6541.73	357.684	1.29	-0.49	-1.19	
13640.00	90.490	339.940	6619.68	6359.89	6620.16	-294.39	1686011.96	14351993.72	39°31'18.7764"N	80°50'17.9360"W	6626.70	357.454	0.75	0.00	-0.75	
13728.00	90.250	338.810	6619.11	6447.85	6702.51	-325.39	1685980.97	14352076.04	39°31'19.5909"N	80°50'18.3297"W	6710.41	357.221	1.31	-0.27	-1.28	
13817.00	90.620	338.190	6618.43	6536.75	6785.32	-358.01	1685948.37	14352158.81	39°31'20.4099"N	80°50'18.7440"W	6794.76	356.980	0.81	0.42	-0.70	
13905.00	90.890	339.200	6617.27	6624.66	6867.30	-389.98	1685916.41	14352240.76	39°31'21.2206"N	80°50'19.1501"W	6878.36	356.750	1.19	0.31	1.15	
13994.00	91.350	340.820	6615.53	6713.63	6950.92	-420.39	1685886.01	14352324.34	39°31'22.0476"N	80°50'19.5364"W	6963.62	356.539	1.89	0.52	1.82	
14082.00	90.220	341.040	6614.33	6801.61	7034.08	-449.14	1685857.27	14352407.47	39°31'22.8700"N	80°50'19.9013"W	7048.40	356.346	1.31	-1.28	0.25	
14170.00	90.340	341.220	6613.90	6889.61	7117.35	-477.60	1685828.82	14352490.71	39°31'23.6935"N	80°50'20.2626"W	7133.35	356.161	0.25	0.14	0.20	
14259.00	90.580	341.120	6613.18	6978.61	7201.58	-506.33	1685800.11	14352574.91	39°31'24.5265"N	80°50'20.6272"W	7219.36	355.978	0.29	0.27	-0.11	
14348.00	90.680	341.440	6612.20	7067.61	7285.87	-534.89	1685771.56	14352659.16	39°31'25.3601"N	80°50'20.9898"W	7305.48	355.801	0.38	0.11	0.36	
14436.00	90.400	341.590	6611.38	7155.60	7369.32	-562.79	1685743.67	14352742.58	39°31'26.1854"N	80°50'21.3439"W	7390.78	355.633	0.36	-0.32	0.17	
14524.00	90.460	341.340	6610.72	7243.60	7452.76	-590.76	1685715.70	14352825.98	39°31'27.0105"N	80°50'21.6990"W	7476.13	355.468	0.29	0.07	-0.28	
14613.00	90.310	341.320	6610.12	7332.59	7537.07	-619.25	1685687.23	14352910.26	39°31'27.8443"N	80°50'22.0606"W	7562.47	355.303	0.17	-0.17	-0.02	
14701.00	90.890	341.580	6609.20	7420.59	7620.49	-647.25	1685659.24	14352993.65	39°31'28.6693"N	80°50'22.4160"W	7647.93	355.145	0.72	0.66	0.30	
14790.00	89.720	341.880	6608.72	7509.58	7705.00	-675.15	1685631.35	14353078.13	39°31'29.5050"N	80°50'22.7701"W	7734.53	354.992	1.36	-1.31	0.34	
14878.00	90.370	341.220	6608.65	7597.58	7788.48	-703.00	1685603.52	14353161.57	39°31'30.3305"N	80°50'23.1236"W	7820.14	354.842	1.05	0.74	-0.75	
14967.00	90.400	341.100	6608.05	7686.57	7872.71	-731.74	1685574.79	14353245.77	39°31'31.1635"N	80°50'23.4884"W	7906.64	354.690	0.14	0.03	-0.13	
15055.00	90.860	341.210	6607.09	7774.57	7955.99	-760.16	1685546.38	14353329.01	39°31'31.9870"N	80°50'23.8493"W	7992.22	354.542	0.54	0.52	0.12	
15144.00	90.800	340.750	6605.80	7863.56	8040.12	-789.16	1685517.39	14353413.11	39°31'32.8190"N	80°50'24.2175"W	8078.76	354.394	0.52	-0.07	-0.52	
15232.00	90.090	340.970	6605.11	7951.55	8123.25	-818.01	1685488.55	14353496.21	39°31'33.6412"N	80°50'24.5838"W	8164.34	354.250	0.84	-0.81	0.25	
15320.00	90.400	341.130	6604.74	8039.55	8206.48	-846.59	1685459.98	14353579.41	39°31'34.4643"N	80°50'24.9466"W	8250.03	354.110	0.40	0.35	0.18	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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
15409.00	90.370	341.230	6604.14	8128.55	8290.72	-875.30	1685431.28	14353663.61	39°31'35.2973"N	80°50'25.3111"W	8336.80	353.973	0.12	-0.03	0.11	
15497.00	90.180	340.410	6603.72	8216.55	8373.84	-904.21	1685402.38	14353746.69	39°31'36.1193"N	80°50'25.6781"W	8422.51	353.837	0.96	-0.22	-0.93	
15585.00	90.740	341.110	6603.01	8304.54	8456.92	-933.21	1685373.40	14353829.74	39°31'36.9409"N	80°50'26.0463"W	8508.25	353.703	1.02	0.64	0.80	
15674.00	90.490	341.050	6602.06	8393.54	8541.10	-962.06	1685344.55	14353913.89	39°31'37.7734"N	80°50'26.4127"W	8595.12	353.573	0.29	-0.28	-0.07	
15762.00	90.250	340.720	6601.49	8481.53	8624.25	-990.88	1685315.75	14353997.01	39°31'38.5957"N	80°50'26.7785"W	8680.99	353.446	0.46	-0.27	-0.37	
15851.00	90.400	340.920	6600.98	8570.53	8708.31	-1020.12	1685286.52	14354081.03	39°31'39.4270"N	80°50'27.1498"W	8767.85	353.319	0.28	0.17	0.22	
15939.00	90.650	341.250	6600.18	8658.53	8791.55	-1048.65	1685258.00	14354164.24	39°31'40.2502"N	80°50'27.5119"W	8853.87	353.198	0.47	0.28	0.37	
16028.00	90.620	341.070	6599.19	8747.52	8875.78	-1077.38	1685229.28	14354248.43	39°31'41.0832"N	80°50'27.8768"W	8940.93	353.079	0.21	-0.03	-0.20	
16116.00	90.740	341.310	6598.15	8835.51	8959.07	-1105.76	1685200.92	14354331.70	39°31'41.9069"N	80°50'28.2370"W	9027.05	352.964	0.30	0.14	0.27	
16204.00	90.370	341.130	6597.29	8923.51	9042.38	-1134.09	1685172.80	14354414.97	39°31'42.7308"N	80°50'28.5966"W	9113.22	352.851	0.47	-0.42	-0.20	
16293.00	90.620	341.150	6596.52	9012.51	9126.60	-1162.85	1685143.84	14354499.16	39°31'43.5636"N	80°50'28.9619"W	9200.39	352.739	0.28	0.28	0.02	
16381.00	90.430	340.930	6595.72	9100.50	9209.82	-1191.44	1685115.26	14354582.35	39°31'44.3866"N	80°50'29.3249"W	9286.57	352.629	0.33	-0.22	-0.25	
16470.00	90.460	341.100	6595.03	9189.50	9293.98	-1220.40	1685086.32	14354666.47	39°31'45.2189"N	80°50'29.6925"W	9373.76	352.519	0.19	0.03	0.19	
16558.00	90.550	341.340	6594.25	9277.50	9377.29	-1248.73	1685058.00	14354749.75	39°31'46.0427"N	80°50'30.0522"W	9460.07	352.415	0.29	0.10	0.27	
16647.00	90.430	341.470	6593.49	9366.49	9461.64	-1277.11	1685029.64	14354834.06	39°31'46.8769"N	80°50'30.4125"W	9547.44	352.313	0.20	-0.13	0.15	
16735.00	90.150	341.280	6593.04	9454.49	9545.03	-1305.21	1685001.54	14354917.42	39°31'47.7016"N	80°50'30.7693"W	9633.86	352.214	0.38	-0.32	-0.22	
16824.00	90.090	341.930	6592.86	9543.49	9629.48	-1333.29	1684973.47	14355001.84	39°31'48.5367"N	80°50'31.1258"W	9721.35	352.117	0.73	-0.07	0.73	
16912.00	89.880	341.110	6592.88	9631.48	9712.95	-1361.19	1684945.59	14355085.27	39°31'49.3621"N	80°50'31.4799"W	9807.86	352.022	0.96	-0.24	-0.93	
17000.00	90.310	341.330	6592.74	9719.48	9796.26	-1389.52	1684917.27	14355168.55	39°31'50.1860"N	80°50'31.8396"W	9894.32	351.927	0.55	0.49	0.25	
17089.00	90.030	341.320	6592.47	9808.48	9880.57	-1418.02	1684888.78	14355252.83	39°31'51.0198"N	80°50'32.2014"W	9981.81	351.833	0.31	-0.31	-0.01	
17177.00	90.520	341.520	6592.05	9896.48	9963.99	-1446.05	1684860.75	14355336.21	39°31'51.8446"N	80°50'32.5574"W	10068.37	351.742	0.60	0.56	0.23	
17266.00	90.150	341.490	6591.53	9985.48	10048.39	-1474.29	1684832.53	14355420.58	39°31'52.6793"N	80°50'32.9158"W	10155.97	351.653	0.42	-0.42	-0.03	
17354.00	90.120	340.990	6591.32	10073.48	10131.71	-1502.59	1684804.24	14355503.87	39°31'53.5033"N	80°50'33.2752"W	10242.53	351.564	0.57	-0.03	-0.57	
17443.00	90.060	341.290	6591.18	10162.48	10215.93	-1531.36	1684775.49	14355588.05	39°31'54.3362"N	80°50'33.6404"W	10330.07	351.475	0.34	-0.07	0.34	
17531.00	89.820	340.430	6591.27	10250.47	10299.07	-1560.21	1684746.64	14355671.16	39°31'55.1583"N	80°50'34.0068"W	10416.58	351.386	1.01	-0.27	-0.98	
17620.00	90.060	341.570	6591.37	10339.47	10383.22	-1589.19	1684717.68	14355755.27	39°31'55.9905"N	80°50'34.3748"W	10504.13	351.298	1.31	0.27	1.28	
17708.00	90.180	341.550	6591.18	10427.47	10466.70	-1617.02	1684689.86	14355838.72	39°31'56.8161"N	80°50'34.7281"W	10590.87	351.218	0.14	0.14	-0.02	
17796.00	90.220	341.460	6590.88	10515.47	10550.15	-1644.94	1684661.95	14355922.14	39°31'57.6413"N	80°50'35.0826"W	10677.62	351.138	0.11	0.05	-0.10	
17885.00	90.520	341.460	6590.30	10604.46	10634.53	-1673.24	1684633.67	14356006.49	39°31'58.4758"N	80°50'35.4419"W	10765.36	351.058	0.34	0.34	0.00	
17973.00	90.340	340.910	6589.64	10692.46	10717.83	-1701.82	1684605.30	14356089.75	39°31'59.2995"N	80°50'35.8022"W	10852.07	350.979	0.66	-0.20	-0.62	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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
18062.00	90.400	340.800	6589.07	10781.46	10801.90	-1730.80	1684576.12	14356173.79	39°32'0.1309"N	80°50'36.1729"W	10939.69	350.897	0.14	0.07	-0.12	
18150.00	90.180	341.020	6588.62	10869.46	10885.06	-1759.58	1684547.35	14356256.92	39°32'0.9533"N	80°50'36.5383"W	11026.37	350.818	0.35	-0.25	0.25	
18239.00	90.620	341.100	6588.00	10958.45	10969.24	-1788.47	1684518.48	14356341.06	39°32'1.7858"N	80°50'36.9051"W	11114.09	350.740	0.50	0.49	0.09	
18327.00	90.490	341.480	6587.15	11046.45	11052.59	-1816.70	1684490.26	14356424.37	39°32'2.6100"N	80°50'37.2636"W	11200.90	350.666	0.46	-0.15	0.43	
18416.00	90.520	341.300	6586.36	11135.44	11136.93	-1845.10	1684461.87	14356508.68	39°32'3.4441"N	80°50'37.6242"W	11288.74	350.593	0.21	0.03	-0.20	
18505.00	90.250	341.250	6585.76	11224.44	11221.22	-1873.67	1684433.31	14356592.94	39°32'4.2776"N	80°50'37.9870"W	11376.57	350.520	0.31	-0.30	-0.06	
18593.00	90.340	341.190	6585.31	11312.44	11304.53	-1902.00	1684404.99	14356676.22	39°32'5.1015"N	80°50'38.3467"W	11463.42	350.449	0.12	0.10	-0.07	
18682.00	90.370	341.270	6584.76	11401.44	11388.80	-1930.64	1684376.37	14356760.45	39°32'5.9348"N	80°50'38.7103"W	11551.28	350.379	0.10	0.03	0.09	
18770.00	90.370	340.690	6584.19	11489.44	11471.99	-1959.31	1684347.70	14356843.61	39°32'6.7575"N	80°50'39.0745"W	11638.11	350.308	0.66	0.00	-0.66	
18858.00	90.580	341.510	6583.46	11577.43	11555.24	-1987.82	1684319.21	14356926.83	39°32'7.5808"N	80°50'39.4365"W	11724.98	350.239	0.96	0.24	0.93	
18947.00	90.180	341.160	6582.87	11666.43	11639.56	-2016.30	1684290.74	14357011.11	39°32'8.4146"N	80°50'39.7981"W	11812.91	350.172	0.60	-0.45	-0.39	
19035.00	90.580	341.160	6582.29	11754.43	11722.84	-2044.72	1684262.33	14357094.36	39°32'9.2382"N	80°50'40.1590"W	11899.83	350.106	0.45	0.45	0.00	
19124.00	90.370	341.190	6581.55	11843.42	11807.08	-2073.43	1684233.63	14357178.56	39°32'10.0713"N	80°50'40.5237"W	11987.75	350.040	0.24	-0.24	0.03	
19212.00	90.120	341.560	6581.17	11931.42	11890.47	-2101.54	1684205.53	14357261.92	39°32'10.8959"N	80°50'40.8805"W	12074.76	349.977	0.51	-0.28	0.42	
19301.00	90.520	341.400	6580.68	12020.42	11974.86	-2129.81	1684177.27	14357346.28	39°32'11.7304"N	80°50'41.2395"W	12162.79	349.915	0.48	0.45	-0.18	
19389.00	91.230	341.820	6579.33	12108.41	12058.36	-2157.57	1684149.53	14357429.74	39°32'12.5561"N	80°50'41.5919"W	12249.86	349.856	0.94	0.81	0.48	
19478.00	90.550	341.690	6577.95	12197.39	12142.87	-2185.43	1684121.68	14357514.22	39°32'13.3919"N	80°50'41.9457"W	12337.97	349.797	0.78	-0.76	-0.15	
19566.00	90.370	341.090	6577.24	12285.39	12226.27	-2213.51	1684093.61	14357597.58	39°32'14.2166"N	80°50'42.3023"W	12425.02	349.738	0.71	-0.20	-0.68	
19655.00	90.650	341.800	6576.45	12374.38	12310.64	-2241.83	1684065.30	14357681.92	39°32'15.0509"N	80°50'42.6619"W	12513.09	349.679	0.86	0.31	0.80	
19743.00	90.180	340.780	6575.81	12462.38	12393.98	-2270.06	1684037.08	14357765.23	39°32'15.8751"N	80°50'43.0203"W	12600.16	349.621	1.28	-0.53	-1.16	
19832.00	90.370	340.630	6575.39	12551.37	12477.98	-2299.46	1684007.69	14357849.20	39°32'16.7058"N	80°50'43.3939"W	12688.09	349.559	0.27	0.21	-0.17	
19920.00	90.220	341.500	6574.93	12639.37	12561.22	-2328.02	1683979.14	14357932.40	39°32'17.5289"N	80°50'43.7565"W	12775.13	349.500	1.00	-0.17	0.99	
20009.00	90.310	341.140	6574.52	12728.37	12645.53	-2356.52	1683950.65	14358016.68	39°32'18.3627"N	80°50'44.1185"W	12863.23	349.444	0.42	0.10	-0.40	
20097.00	90.460	341.580	6573.93	12816.37	12728.91	-2384.65	1683922.53	14358100.03	39°32'19.1873"N	80°50'44.4756"W	12950.36	349.389	0.53	0.17	0.50	
20186.00	90.980	341.550	6572.81	12905.36	12813.34	-2412.79	1683894.40	14358184.42	39°32'20.0221"N	80°50'44.8330"W	13038.53	349.336	0.59	0.58	-0.03	
20274.00	90.000	341.070	6572.06	12993.35	12896.69	-2440.99	1683866.22	14358267.74	39°32'20.8464"N	80°50'45.1911"W	13125.66	349.282	1.24	-1.11	-0.55	
20363.00	90.460	341.510	6571.70	13082.35	12980.99	-2469.54	1683837.68	14358352.00	39°32'21.6800"N	80°50'45.5536"W	13213.80	349.229	0.72	0.52	0.49	
20451.00	89.940	341.080	6571.40	13170.35	13064.34	-2497.76	1683809.47	14358435.32	39°32'22.5043"N	80°50'45.9120"W	13300.97	349.176	0.77	-0.59	-0.49	
20540.00	90.120	341.030	6571.35	13259.35	13148.52	-2526.65	1683780.59	14358519.47	39°32'23.3367"N	80°50'46.2790"W	13389.08	349.122	0.21	0.20	-0.06	
20628.00	90.090	341.010	6571.19	13347.35	13231.73	-2555.28	1683751.98	14358602.65	39°32'24.1597"N	80°50'46.6425"W	13476.21	349.070	0.04	-0.03	-0.02	



Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH DATA (270 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	
20717.00	90.430	341.570	6570.78	13436.35	13316.03	-2583.82	1683723.44	14358686.91	39°32'24.9933"N	80°50'47.0051"W	13564.39	349.019	0.74	0.38	0.63		
20806.00	90.220	341.460	6570.28	13525.34	13400.43	-2612.04	1683695.23	14358771.28	39°32'25.8280"N	80°50'47.3634"W	13652.63	348.970	0.27	-0.24	-0.12		
20894.00	90.340	341.560	6569.85	13613.34	13483.89	-2639.95	1683667.34	14358854.71	39°32'26.6533"N	80°50'47.7178"W	13739.89	348.922	0.18	0.14	0.11		
20983.00	90.150	341.510	6569.47	13702.34	13568.31	-2668.14	1683639.16	14358939.09	39°32'27.4880"N	80°50'48.0758"W	13828.16	348.875	0.22	-0.21	-0.06		
21071.00	90.180	341.260	6569.21	13790.34	13651.70	-2696.23	1683611.08	14359022.45	39°32'28.3127"N	80°50'48.4325"W	13915.41	348.828	0.29	0.03	-0.28		
21160.00	90.400	341.570	6568.76	13879.33	13736.06	-2724.59	1683582.73	14359106.78	39°32'29.1469"N	80°50'48.7927"W	14003.67	348.781	0.43	0.25	0.35		
21248.00	90.000	340.860	6568.46	13967.33	13819.37	-2752.93	1683554.40	14359190.05	39°32'29.9708"N	80°50'49.1526"W	14090.91	348.734	0.93	-0.45	-0.81		
21336.00	90.150	341.360	6568.34	14055.33	13902.63	-2781.42	1683525.92	14359273.28	39°32'30.7942"N	80°50'49.5145"W	14178.13	348.687	0.59	0.17	0.57		
21425.00	90.280	341.430	6568.01	14144.33	13986.98	-2809.81	1683497.54	14359357.59	39°32'31.6283"N	80°50'49.8751"W	14266.42	348.641	0.17	0.15	0.08		
21513.00	90.250	341.520	6567.60	14232.33	14070.42	-2837.77	1683469.59	14359441.00	39°32'32.4634"N	80°50'50.2302"W	14353.73	348.597	0.11	-0.03	0.10		
21602.00	90.280	341.620	6567.19	14321.32	14154.85	-2865.91	1683441.47	14359525.40	39°32'33.2884"N	80°50'50.5875"W	14442.07	348.554	0.12	0.03	0.11		
21690.00	90.280	341.940	6566.76	14409.32	14238.44	-2893.42	1683413.96	14359608.95	39°32'34.1149"N	80°50'50.9369"W	14529.46	348.513	0.36	0.00	0.36		
21779.00	90.280	341.300	6566.32	14498.31	14322.90	-2921.49	1683385.91	14359693.38	39°32'34.9501"N	80°50'51.2933"W	14617.82	348.471	0.72	0.00	-0.72		
21867.00	90.280	341.390	6565.89	14586.31	14406.28	-2949.64	1683357.77	14359776.72	39°32'35.7746"N	80°50'51.6508"W	14705.14	348.429	0.10	0.00	0.10		
21955.00	90.490	341.590	6565.30	14674.31	14489.72	-2977.57	1683329.85	14359860.13	39°32'36.5998"N	80°50'52.0056"W	14792.50	348.388	0.33	0.24	0.23		
22044.00	90.460	341.660	6564.57	14763.30	14574.18	-3005.63	1683301.81	14359944.56	39°32'37.4350"N	80°50'52.3619"W	14880.88	348.347	0.09	-0.03	0.08		
22132.00	90.310	341.680	6563.97	14851.29	14657.71	-3033.30	1683274.14	14360028.06	39°32'38.2611"N	80°50'52.7133"W	14968.28	348.308	0.17	-0.17	0.02		
22221.00	90.580	341.230	6563.28	14940.29	14742.09	-3061.61	1683245.85	14360112.40	39°32'39.0954"N	80°50'53.0728"W	15056.65	348.268	0.59	0.30	-0.51		
22309.00	90.370	341.580	6562.55	15028.29	14825.49	-3089.67	1683217.80	14360195.77	39°32'39.9202"N	80°50'53.4292"W	15144.02	348.228	0.46	-0.24	0.40		
22398.00	90.280	341.110	6562.05	15117.28	14909.81	-3118.14	1683189.34	14360280.06	39°32'40.7541"N	80°50'53.7908"W	15232.38	348.188	0.54	-0.10	-0.53		
22486.00	90.250	341.370	6561.64	15205.28	14993.14	-3146.44	1683161.05	14360363.35	39°32'41.5781"N	80°50'54.1502"W	15319.73	348.148	0.30	-0.03	0.30		
22575.00	90.490	341.490	6561.07	15294.28	15077.50	-3174.78	1683132.72	14360447.68	39°32'42.4123"N	80°50'54.5102"W	15408.13	348.109	0.30	0.27	0.13		
22663.00	90.460	341.460	6560.34	15382.28	15160.94	-3202.74	1683104.77	14360531.08	39°32'43.2374"N	80°50'54.8653"W	15495.54	348.072	0.05	-0.03	-0.03		
22752.00	90.340	341.550	6559.72	15471.27	15245.34	-3230.97	1683076.55	14360615.45	39°32'44.0720"N	80°50'55.2239"W	15583.95	348.034	0.17	-0.13	0.10		
22840.00	90.400	341.110	6559.15	15559.27	15328.71	-3259.14	1683048.40	14360698.79	39°32'44.8965"N	80°50'55.5817"W	15671.35	347.997	0.50	0.07	-0.50		
22928.00	90.060	341.230	6558.79	15647.27	15412.00	-3287.54	1683020.00	14360782.04	39°32'45.7201"N	80°50'55.9425"W	15758.73	347.959	0.41	-0.39	0.14		
23017.00	90.310	341.230	6558.51	15736.27	15496.26	-3316.18	1682991.38	14360866.28	39°32'46.5534"N	80°50'56.3062"W	15847.12	347.921	0.28	0.28	0.00		
23105.00	90.150	341.160	6558.15	15824.27	15579.57	-3344.55	1682963.02	14360949.54	39°32'47.3772"N	80°50'56.6665"W	15934.52	347.884	0.20	-0.18	-0.08		
23149.00	90.280	341.430	6557.99	15868.27	15621.24	-3368.66	1682948.92	14360991.20	39°32'47.7893"N	80°50'56.8458"W	15978.23	347.866	0.68	0.30	0.61		
23174.00†	90.280	341.430	6557.87	15893.27	15644.94	-3366.62	1682940.96	14361014.89	39°32'48.0236"N	80°50'56.9469"W	16003.07	347.856	0.00	0.00	0.00	Projected MD at TD: 23174'	

HOLE & CASING SECTIONS - Ref Wellbore: Seagrave Unit 2H AWB Ref Wellpath: Seagrave Unit 2H AWP Proj: 23174'									
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	25.50	105.50	80.00	25.50	105.50	0.00	0.00	0.03	-0.25
17.5in Open Hole	105.50	391.00	285.50	105.50	390.99	0.03	-0.25	-0.19	-1.91
13.375in Casing Surface	25.50	371.30	345.80	25.50	371.29	0.00	0.00	-0.15	-1.86
12.25in Open Hole	391.00	2703.00	2312.00	390.99	2597.23	-0.19	-1.91	8.86	635.60
9.625in Casing Intermediate	25.50	2682.60	2657.10	25.50	2578.07	0.00	0.00	8.35	628.62
8.75in Open Hole	2703.00	5199.00	2496.00	2597.23	4958.68	8.86	635.60	-12.65	1439.37
8.5in Open Hole	5199.00	23174.00	17975.00	4958.68	6557.87	-12.65	1439.37	15644.94	-3366.62
5.5in Casing Production	25.50	23174.00	23148.50	25.50	6557.87	0.00	0.00	15644.94	-3366.62

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Seagrave Unit 2H POE Rev-2	6635.00	546.35	1782.24	1688087.76	14345922.33	39°30'18.7093"N	80°49'51.5822"W	point
Seagrave Unit 2H BHL Rev-2	6658.00	15661.47	-3382.04	1682925.54	14361031.41	39°32'48.1872"N	80°50'57.1435"W	point
Seagrave Unit 2H LP Rev-2	6658.00	716.72	1724.03	1688029.57	14346092.64	39°30'20.3942"N	80°49'52.3207"W	point
Seagrave Unit 2H 50' L/R Hard Line	7000.00	8103.91	-799.90	1685506.65	14353476.87	39°31'33.4497"N	80°50'24.3531"W	rectangle

2D Rectangle 15973 x 100.



Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

WELLPATH COMPOSITION - Ref Wellbore: Seagrave Unit 2H AWB Ref Wellpath: Seagrave Unit 2H AWP Proj: 23174'					
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	381.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-381')	Seagrave Unit 2H AWB	14/Aug/2020
381.00	2624.00	BH NaviTrak (2019) (Axial)	02 APS EM <12-1/4"> (381')(418'-2624')	Seagrave Unit 2H AWB	14/Aug/2020
2624.00	5129.00	BH NaviTrak (2019) (Axial)	03 APS EM <8-3/4"> (2624')(2735'-5129')	Seagrave Unit 2H AWB	17/Sep/2020
5129.00	23174.00	BH AutoTrak Curve (2019) (Short spacing)	04 BH AT Curve <8-1/2"> (5129')(5234'-23149')	Seagrave Unit 2H AWB	17/Sep/2020

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Actual Wellpath Report

Seagrave Unit 2H AWP Proj: 23174'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Seagrave Unit 2H
Field	Tyler	API	47-095-02698-0000
Facility	Pyles Pad	Wellbore	Seagrave Unit 2H AWB
Slot	Slot #08		

COMMENTS
<p>Wellpath general comments API: 47-095-02698-0000 BH Job #: 110531831-B Rig: H&P 317 Duration: 9/20/2020-9/28/2020 Gyrodata MS Gyro <17-1/2"> (100'-381') APS EM <12-1/4"> (381')(418'-2624') APS EM <8-3/4"> (2624')(2735'-5129') BH AT Curve <8-1/2"> (5129')(5234'-23149') Sycamore: 6698' MD Middlesex: 6850' MD Burkett: 7015' MD Tully: 7069' MD Marcellus POE: 7233' MD Projected MD at TD: 23174'</p>

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