



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'

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REFERENCE WELLPATH IDENTIFICATION		
Operator	ANTERO RESOURCES CORPORATION	Slot #15
Area	Tyler County, WV	Gabitalalek Unit 2H
Field	Tyler	Gabitalalek Unit 2H AWB
Facility	Dawson Pad	

REPORT SETUP INFORMATION		
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System
North Reference	Grid	User
Scale	0.999601	Report Generated
Convergence at slot	0.08° East	Database/Source file

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Northing[US ft]	Latitude	Longitude	
Slot Location	-261.67	268.92	14300330.95	39°22'48.120"N	80°52'22.610"W	
Facility Reference Pt			1676049.73	39°22'50.710"N	80°52'26.030"W	
Field Reference Pt			0.00	0°00'00.000"	85°29'19.301"W	

WELLPATH DATUM		
Calculation method	H&P 519 (RKB) to Facility Vertical Datum	
Horizontal Reference Pt	H&P 519 (RKB) to Mean Sea Level	
Vertical Reference Pt	H&P 519 (RKB) to Ground Level at Slot (Slot #15)	
MD Reference Pt	Section Origin	
Field Vertical Reference	Section Azimuth	

Minimum curvature	1039.00ft
Slot	1039.00ft
H&P 519 (RKB)	30.00ft
H&P 519 (RKB)	N 0.00, E 0.00 ft
Mean Sea Level	161.60°



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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #15
Area	Tyler County, WV	Well	Gabitalalek Unit 2H
Field	Tyler	Wellbore	Gabitalalek Unit 2H AWB
Facility	Dawson Pad		

WELLPATH DATA (221 stations) † = interpolated/extrapolated station																
MD ft	Inclination °	Azimuth °	TVD ft	Vert Sect ft	North ft	East ft	Grid East ft	Grid North ft	Latitude	Longitude	Closure Dist ft	Closure Dir °	DLS °/100ft	Build Rate °/100ft	Turn Rate °/100ft	Comments
0.00	0.00	139.800	0.00	0.00	0.00	0.00	1676318.54	14300330.95	39°22'48.120"N	80°52'22.610"W	0.00	0.00	0.00	0.00	0.00	
30.00	0.00	139.800	30.00	0.00	0.00	0.00	1676318.54	14300330.95	39°22'48.120"N	80°52'22.610"W	0.00	0.00	0.00	0.00	0.00	
115.00	0.460	139.800	115.00	0.32	-0.26	0.22	1676318.76	14300330.69	39°22'48.117"N	80°52'22.607"W	0.34	139.800	0.54	0.54	164.47	Gridata SS Gyro <17-1/2"> (100'-543')
215.00	0.560	138.480	215.00	1.14	-0.93	0.80	1676319.34	14300330.02	39°22'48.111"N	80°52'22.600"W	1.23	139.276	0.10	0.10	-1.32	
315.00	0.480	107.630	314.99	1.83	-1.43	1.53	1676320.07	14300329.52	39°22'48.106"N	80°52'22.591"W	2.09	133.049	0.29	-0.08	-30.85	
415.00	0.400	90.460	414.99	2.19	-1.56	2.27	1676320.81	14300329.40	39°22'48.105"N	80°52'22.581"W	2.76	124.366	0.15	-0.08	-17.17	
515.00	0.580	90.190	514.98	2.47	-1.56	3.13	1676321.67	14300329.39	39°22'48.105"N	80°52'22.570"W	3.50	116.493	0.18	0.18	-0.27	
568.00	0.810	73.150	557.98	2.55	-1.47	3.64	1676322.18	14300329.48	39°22'48.105"N	80°52'22.564"W	3.93	112.036	0.71	0.53	-39.63	
634.00	1.320	108.250	633.98	2.69	-1.38	4.35	1676322.89	14300329.57	39°22'48.106"N	80°52'22.555"W	4.57	107.626	0.76	-0.64	46.18	WFT EM <12-1/4"> (643')(619'-2552')
726.00	1.470	67.630	725.97	2.76	-1.01	5.69	1676324.23	14300329.94	39°22'48.110"N	80°52'22.538"W	5.78	100.112	1.35	1.25	-44.15	
819.00	4.560	58.300	818.83	1.83	1.38	9.94	1676328.47	14300332.33	39°22'48.134"N	80°52'22.483"W	10.03	82.081	3.35	3.32	-10.03	
915.00	7.940	49.280	914.24	-1.57	7.72	18.21	1676336.75	14300338.66	39°22'48.196"N	80°52'22.378"W	19.78	67.043	3.66	3.52	-9.40	
1010.00	10.400	42.390	1008.03	-8.25	18.33	28.97	1676347.50	14300349.27	39°22'48.301"N	80°52'22.241"W	34.28	57.676	2.83	2.59	-7.25	
1104.00	12.820	34.590	1100.10	-18.67	33.19	40.61	1676359.14	14300364.12	39°22'48.447"N	80°52'22.092"W	52.45	50.747	3.06	2.57	-8.30	
1199.00	14.490	25.860	1192.42	-33.53	52.56	51.78	1676370.30	14300383.49	39°22'48.639"N	80°52'21.950"W	73.78	44.572	2.79	1.76	-9.19	
1294.00	16.550	28.130	1283.95	-51.35	75.19	63.35	1676381.86	14300406.11	39°22'48.862"N	80°52'21.802"W	98.32	40.113	2.26	2.17	2.39	
1388.00	18.960	31.980	1373.47	-70.30	99.95	77.75	1676396.26	14300430.86	39°22'49.107"N	80°52'21.616"W	126.63	37.877	2.85	2.56	4.10	
1483.00	19.760	29.910	1463.10	-90.83	126.97	93.93	1676412.43	14300457.87	39°22'49.374"N	80°52'21.412"W	157.93	36.494	1.11	0.84	-2.18	
1577.00	20.210	30.430	1551.44	-112.08	154.74	110.08	1676428.57	14300485.63	39°22'49.648"N	80°52'21.205"W	189.90	35.427	0.51	0.48	0.55	
1672.00	19.830	30.110	1640.70	-133.56	182.83	126.47	1676444.96	14300513.70	39°22'49.925"N	80°52'20.996"W	222.31	34.674	0.42	-0.40	-0.34	
1766.00	20.170	27.810	1729.03	-155.34	210.96	142.03	1676460.51	14300541.32	39°22'50.203"N	80°52'20.797"W	254.31	33.952	0.91	0.36	-2.45	
1861.00	18.380	27.860	1818.70	-177.03	238.69	156.67	1676475.15	14300569.84	39°22'50.477"N	80°52'20.610"W	285.51	33.281	1.88	-1.88	0.05	
1955.00	17.500	33.370	1908.14	-196.02	263.59	171.37	1676489.85	14300594.44	39°22'50.723"N	80°52'20.423"W	314.40	33.030	2.03	-0.94	5.86	
2050.00	18.940	36.740	1998.38	-213.68	287.88	188.45	1676506.92	14300618.71	39°22'50.963"N	80°52'20.205"W	344.08	33.210	1.88	1.54	3.55	
2144.00	20.360	37.850	2086.90	-231.48	313.02	207.61	1676526.07	14300643.84	39°22'51.211"N	80°52'19.960"W	375.61	33.555	1.56	1.51	1.18	
2239.00	19.740	37.310	2176.14	-249.70	338.83	227.48	1676545.93	14300669.84	39°22'51.466"N	80°52'19.707"W	408.11	33.876	0.88	-0.65	-0.57	
2334.00	18.890	34.560	2265.80	-268.00	364.25	245.93	1676564.37	14300695.06	39°22'51.717"N	80°52'19.472"W	439.50	34.026	1.31	-0.85	-2.89	
2428.00	18.850	32.660	2354.75	-286.71	389.57	262.75	1676581.19	14300720.36	39°22'51.967"N	80°52'19.257"W	469.90	33.989	0.66	-0.04	-2.02	
2523.00	18.030	28.970	2444.87	-306.32	415.35	278.16	1676596.59	14300746.14	39°22'52.221"N	80°52'19.060"W	499.89	33.810	1.50	-0.86	-3.88	
2567.00	17.260	26.250	2486.80	-315.57	427.16	284.34	1676602.77	14300757.94	39°22'52.338"N	80°52'18.981"W	513.15	33.650	2.56	-1.75	-6.18	



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REFERENCE WELLPATH IDENTIFICATION		Slot #15
Operator	ANTERO RESOURCES CORPORATION	Gabitalalek Unit 2H
Area	Tyler County, WV	Gabitalalek Unit 2H AWB
Field	Tyler	
Facility	Dawson Pad	

WELLPATH DATA (221 stations)															
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)	Comments
2693.00	16.110	20.930	2807.50	-342.40	298.86	1676617.28	14300791.03	39°22'52.865"N	80°52'18.796"W	548.78	32.997	1.52	-0.91	-4.22	WFT EM <8.3"/>(2552)(2678-8277)
2787.00	16.291	25.120	2697.77	-362.04	484.38	1676627.53	14300815.13	39°22'52.903"N	80°52'18.665"W	574.61	32.945	1.26	0.19	4.48	
2882.00	17.570	29.140	2788.66	-381.39	508.97	1676640.16	14300839.71	39°22'53.146"N	80°52'18.503"W	602.14	32.300	1.83	1.35	4.23	
2976.00	18.820	31.700	2877.95	-400.69	534.26	1676655.03	14300885.00	39°22'53.396"N	80°52'18.313"W	631.47	32.214	1.58	1.33	2.72	
3071.00	20.070	31.860	2967.53	-420.94	561.15	1676671.68	14300891.87	39°22'53.661"N	80°52'18.101"W	663.09	32.194	1.32	1.32	0.17	
3166.00	19.870	30.890	3056.82	-441.89	588.84	1676688.57	14300919.56	39°22'53.935"N	80°52'17.885"W	695.54	32.156	0.41	-0.21	-1.02	
3261.00	19.750	33.570	3146.20	-462.31	616.07	1676703.34	14300946.78	39°22'54.204"N	80°52'17.666"W	727.72	32.159	0.96	-0.13	2.82	
3356.00	19.340	32.780	3235.73	-482.06	642.67	1676715.11	14300973.37	39°22'54.466"N	80°52'17.444"W	759.50	32.201	0.51	-0.43	-0.83	
3450.00	18.730	31.430	3324.59	-501.56	668.64	1676739.40	14300999.32	39°22'54.723"N	80°52'17.236"W	790.16	32.198	0.80	-0.65	-1.44	
3548.00	18.310	33.530	3417.51	-521.20	694.90	1676756.11	14301025.57	39°22'54.982"N	80°52'17.023"W	821.28	32.208	0.80	-0.43	-2.14	
3642.00	17.730	32.160	3506.90	-539.40	719.32	1676771.87	14301049.98	39°22'55.223"N	80°52'16.821"W	850.35	32.230	0.76	-0.62	-1.46	
3737.00	17.900	29.950	3597.35	-558.29	744.22	1676786.86	14301074.87	39°22'55.469"N	80°52'16.630"W	879.41	32.191	0.73	0.18	-2.33	
3831.00	18.560	29.350	3686.63	-577.95	769.77	1676801.40	14301100.42	39°22'55.721"N	80°52'16.444"W	908.78	32.109	0.73	0.70	-0.64	
3926.00	17.930	27.490	3776.85	-598.29	795.93	1676815.55	14301126.56	39°22'55.960"N	80°52'16.264"W	938.46	31.993	0.90	-0.66	-1.95	
4021.00	17.060	30.470	3867.46	-617.63	820.90	1676829.36	14301151.52	39°22'56.226"N	80°52'16.087"W	966.97	31.903	1.32	-0.93	3.14	
4115.00	17.360	30.910	3957.26	-635.84	844.81	1676843.54	14301175.42	39°22'56.462"N	80°52'15.906"W	994.76	31.869	0.36	0.33	0.47	
4210.00	17.700	29.920	4047.85	-654.68	869.49	1676858.02	14301200.09	39°22'56.706"N	80°52'15.721"W	1023.37	31.828	0.48	0.36	-1.04	
4304.00	18.070	27.480	4137.30	-674.33	894.81	1676871.87	14301225.40	39°22'56.956"N	80°52'15.544"W	1052.19	31.742	0.89	0.39	-2.60	
4399.00	18.080	28.720	4227.62	-694.62	920.81	1676885.75	14301251.39	39°22'57.213"N	80°52'15.367"W	1081.60	31.643	0.41	0.01	1.31	
4494.00	18.240	31.000	4317.89	-714.33	946.48	1676890.48	14301277.05	39°22'57.466"N	80°52'15.179"W	1111.19	31.596	0.77	0.17	2.40	
4588.00	18.600	30.390	4407.07	-733.78	972.02	1676905.64	14301302.58	39°22'57.719"N	80°52'14.985"W	1140.89	31.572	0.43	0.38	-0.65	
4683.00	18.870	28.540	4497.04	-754.25	998.59	1676920.64	14301329.14	39°22'57.981"N	80°52'14.794"W	1171.38	31.517	0.69	0.28	-1.95	
4778.00	19.000	30.230	4586.90	-774.96	1025.44	1676935.76	14301355.98	39°22'58.246"N	80°52'14.601"W	1202.18	31.462	0.59	0.14	1.78	
4873.00	18.750	30.980	4676.79	-795.12	1051.89	1676951.39	14301382.42	39°22'58.507"N	80°52'14.401"W	1232.91	31.441	0.37	-0.26	0.79	
4967.00	18.520	32.300	4765.86	-814.41	1077.47	1676967.14	14301407.98	39°22'58.760"N	80°52'14.200"W	1262.95	31.446	0.51	-0.24	1.40	
5062.00	18.040	31.620	4856.07	-833.42	1102.75	1676982.91	14301433.25	39°22'59.010"N	80°52'13.998"W	1292.74	31.458	0.55	-0.51	-0.72	
5157.00	18.110	31.540	4946.38	-852.37	1127.86	1677008.34	14301458.35	39°22'59.258"N	80°52'13.801"W	1322.22	31.460	0.08	0.07	-0.08	
5253.00	19.000	31.950	5037.39	-871.95	1153.83	1677024.41	14301484.32	39°22'59.514"N	80°52'13.596"W	1352.77	31.467	0.94	0.93	0.43	
5347.00	18.850	32.740	5126.31	-891.24	1179.59	1677040.71	14301510.07	39°22'59.768"N	80°52'13.388"W	1383.25	31.486	0.32	-0.16	0.84	
5442.00	18.890	30.560	5216.20	-910.97	1205.74	1677056.82	14301536.21	39°23'00.027"N	80°52'13.182"W	1413.97	31.490	0.74	0.04	-2.29	



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Gabitalalek Unit 2H AWP Proj: 19146'
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #15
Operator	ANTERO RESOURCES CORPORATION	Well	Gabitalalek Unit 2H
Area	Tyler County, WV	Wellbore	Gabitalalek Unit 2H AWB
Field	Tyler		
Facility	Dawson Pad		

WELLPATH DATA (221 stations) t = interpolated/extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sec (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
5537.00	18.820	29.770	5306.10	-931.28	1232.28	754.01	1677072.25	14301568.74	39°23'00.289"N	80°52'12.985"W	1444.66	31.462	0.28	-0.07	-0.81	
5631.00	18.640	32.000	5395.13	-950.97	1258.18	769.50	1677087.73	14301568.63	39°23'00.545"N	80°52'12.788"W	1474.84	31.450	0.79	-0.19	2.37	
5726.00	18.340	31.470	5485.22	-970.28	1283.81	785.34	1677103.57	14301614.24	39°23'00.798"N	80°52'12.585"W	1504.97	31.455	0.36	-0.32	-0.56	
5820.00	18.290	31.100	5574.46	-989.39	1309.05	800.68	1677118.90	14301639.48	39°23'01.047"N	80°52'12.389"W	1534.51	31.452	0.13	-0.05	-0.33	
5914.00	16.490	33.140	5664.16	-1007.27	1332.85	815.60	1677133.81	14301663.27	39°23'01.282"N	80°52'12.199"W	1562.59	31.463	2.02	-1.91	2.17	
5946.00	14.340	36.810	5695.01	-1012.36	1339.83	820.45	1677138.67	14301670.24	39°23'01.351"N	80°52'12.137"W	1571.08	31.482	7.37	-6.72	11.47	
5977.00	12.500	42.480	5725.16	-1016.18	1346.38	825.02	1677143.23	14301675.79	39°23'01.406"N	80°52'12.079"W	1578.20	31.518	7.29	-5.94	18.23	
6009.00	11.450	49.520	5766.47	-1019.06	1349.99	829.78	1677147.98	14301680.40	39°23'01.451"N	80°52'12.018"W	1584.62	31.577	5.62	-3.28	22.03	
6040.00	11.170	58.940	5786.87	-1020.87	1353.54	834.69	1677152.89	14301683.95	39°23'01.486"N	80°52'11.956"W	1590.21	31.661	6.02	-0.90	30.33	
6071.00	11.290	70.490	5817.28	-1021.59	1356.10	840.12	1677158.33	14301686.51	39°23'01.511"N	80°52'11.886"W	1595.25	31.779	7.25	0.39	37.28	
6103.00	12.280	80.560	5848.61	-1021.12	1357.71	846.43	1677164.63	14301688.11	39°23'01.527"N	80°52'11.806"W	1599.94	31.941	7.12	3.09	31.47	
6134.00	13.720	89.580	5878.81	-1019.47	1358.28	853.36	1677171.56	14301688.68	39°23'01.533"N	80°52'11.718"W	1604.10	32.140	8.01	4.65	29.10	
6166.00	15.420	98.010	5909.79	-1016.41	1357.71	861.37	1677179.57	14301688.12	39°23'01.527"N	80°52'11.616"W	1607.90	32.392	8.48	5.31	26.34	
6197.00	17.050	106.350	5939.56	-1011.98	1355.86	869.81	1677188.01	14301688.26	39°23'01.508"N	80°52'11.508"W	1610.88	32.681	9.16	5.26	26.91	
6229.00	18.820	113.890	5970.00	-1005.84	1352.45	879.04	1677197.23	14301682.85	39°23'01.475"N	80°52'11.391"W	1613.01	33.022	9.11	5.53	23.95	
6260.00	21.400	119.300	5999.11	-998.29	1347.65	888.54	1677206.73	14301678.06	39°23'01.427"N	80°52'11.270"W	1614.21	33.398	10.25	8.32	17.45	
6292.00	24.290	125.340	6028.60	-988.66	1340.99	899.01	1677217.19	14301671.40	39°23'01.361"N	80°52'11.137"W	1614.45	33.838	11.62	9.03	18.87	
6344.00	27.570	135.260	6076.38	-969.24	1326.24	916.22	1677234.39	14301656.66	39°23'01.215"N	80°52'10.918"W	1611.94	34.638	10.44	6.31	19.09	EH AT Curve <8-1/2'>(6292\6344\19121)
6422.00	32.030	142.940	6143.08	-933.43	1296.89	941.41	1677259.57	14301627.32	39°23'00.925"N	80°52'10.597"W	1602.55	35.976	7.52	5.72	9.85	
6518.00	39.030	147.960	6221.17	-879.86	1250.88	972.83	1677290.98	14301581.33	39°23'00.469"N	80°52'10.198"W	1584.65	37.873	7.89	7.29	5.23	
6612.00	45.810	150.970	6290.53	-817.90	1196.26	1004.93	1677323.07	14301526.73	39°22'59.929"N	80°52'09.790"W	1562.34	40.032	7.53	7.21	3.21	
6622.00	46.561	151.369	6297.46	-810.80	1189.94	1008.41	1677328.54	14301520.41	39°22'59.867"N	80°52'09.746"W	1559.75	40.280	8.05	7.51	3.99	Middlesex: 6622' MD
6706.00	52.920	154.360	6351.72	-747.47	1132.89	1037.54	1677355.67	14301463.39	39°22'59.302"N	80°52'09.376"W	1536.21	42.485	8.05	7.57	3.65	
6801.00	60.530	159.360	6403.83	-668.40	1059.88	1068.56	1677386.68	14301390.41	39°22'58.580"N	80°52'08.982"W	1505.05	45.234	9.13	8.01	5.21	
6841.00	63.479	161.199	6422.60	-633.10	1026.64	1080.47	1677398.58	14301357.17	39°22'58.252"N	80°52'08.831"W	1490.44	46.464	8.42	7.37	4.61	Burkett: 6841' MD
6896.00	67.570	163.590	6445.39	-583.06	978.93	1095.60	1677413.70	14301309.49	39°22'57.780"N	80°52'08.640"W	1469.23	48.219	8.42	7.44	4.33	
6927.00	69.647	163.871	6456.69	-554.22	951.23	1103.70	1677421.80	14301281.80	39°22'57.506"N	80°52'08.537"W	1457.05	49.243	6.74	6.70	0.76	Tully: 6927' MD
6990.00	73.870	164.280	6476.41	-494.45	893.71	1120.14	1677438.23	14301224.31	39°22'56.937"N	80°52'08.329"W	1432.98	51.415	6.74	6.70	0.73	
7029.00	76.069	164.563	6486.52	-456.84	857.43	1130.25	1677448.34	14301188.04	39°22'56.579"N	80°52'08.201"W	1418.68	52.815	5.68	5.64	0.72	Marcellus POE: 7029' MD
7037.00	76.520	164.620	6488.42	-449.07	849.94	1132.32	1677450.40	14301180.55	39°22'56.504"N	80°52'08.174"W	1415.82	53.107	5.68	5.64	0.72	



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Area	Tyler County, WV
Field	Tyler
Facility	Dawson Pad
Slot	Slot #15
Well	Gabitalalek Unit 2H
Wellbore	Gabitalalek Unit 2H AWB

WELLPATH DATA (221 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
7085.00	80.700	164.410	6497.89	-402.09	804.60	1144.88	1677462.96	14301135.23	39°22'56.056"N	80°52'08.015"W	1399.33	54.901	8.72	8.71	-0.44	
7132.00	82.530	161.570	6504.75	-355.61	750.15	1158.48	1677476.55	14301090.79	39°22'55.617"N	80°52'07.843"W	1385.60	56.729	7.13	3.89	-6.04	
7180.00	85.350	159.940	6509.82	-307.89	715.09	1174.21	1677492.28	14301045.75	39°22'55.171"N	80°52'07.643"W	1374.82	58.659	6.78	5.87	-3.40	
7227.00	90.060	160.150	6511.70	-260.96	670.96	1190.23	1677508.30	14301001.64	39°22'54.735"N	80°52'07.440"W	1366.32	60.589	10.03	10.02	0.45	
7274.00	90.280	159.530	6511.56	-213.98	626.84	1206.43	1677524.49	14300957.54	39°22'54.298"N	80°52'07.235"W	1359.56	62.544	1.40	0.47	-1.32	
7369.00	90.430	158.080	6510.97	-119.10	538.27	1240.78	1677558.82	14300869.00	39°22'53.422"N	80°52'06.799"W	1352.50	66.548	1.53	0.16	-1.53	
7464.00	90.180	158.520	6510.46	-24.26	450.00	1275.90	1677593.93	14300780.77	39°22'52.550"N	80°52'06.353"W	1352.93	70.573	0.53	-0.26	0.46	
7559.00	92.920	157.790	6508.23	70.53	361.86	1311.24	1677629.25	14300692.66	39°22'51.678"N	80°52'05.905"W	1360.25	74.572	2.58	2.46	-0.77	
7654.00	90.550	156.160	6505.68	165.18	274.46	1348.38	1677666.38	14300605.30	39°22'50.814"N	80°52'05.433"W	1376.03	78.495	2.69	-2.07	-1.72	
7750.00	90.520	151.280	6504.78	260.24	188.42	1390.87	1677708.85	14300519.29	39°22'49.963"N	80°52'04.894"W	1403.57	82.285	5.08	-0.03	-5.08	
7844.00	90.180	151.280	6504.21	352.72	105.98	1436.04	1677754.00	14300436.89	39°22'49.147"N	80°52'04.320"W	1439.94	85.779	0.36	-0.36	0.00	
7940.00	90.550	158.630	6503.60	448.01	19.07	1476.65	1677794.60	14300350.01	39°22'48.288"N	80°52'03.805"W	1476.77	89.260	7.67	0.39	7.66	
8036.00	90.430	162.500	6502.78	543.97	-71.44	1508.59	1677826.52	14300259.54	39°22'47.393"N	80°52'03.400"W	1510.28	92.711	4.03	-0.12	4.03	
8131.00	90.460	165.200	6502.04	638.89	-162.68	1535.01	1677852.93	14300168.34	39°22'46.490"N	80°52'03.065"W	1543.60	96.050	2.84	0.03	2.84	
8227.00	91.170	165.590	6500.67	734.67	-255.57	1559.21	1677877.13	14300075.49	39°22'45.572"N	80°52'02.768"W	1580.02	99.308	0.84	0.74	0.41	
8322.00	92.400	160.990	6497.71	829.55	-346.49	1586.50	1677904.41	14299984.60	39°22'44.673"N	80°52'02.413"W	1623.90	102.320	5.01	1.29	-4.84	
8417.00	91.020	162.780	6494.88	924.50	-436.73	1616.03	1677933.92	14299894.39	39°22'43.781"N	80°52'02.038"W	1674.00	105.123	2.38	-1.45	1.88	
8512.00	90.680	162.570	6493.47	1019.47	-527.41	1644.31	1677962.19	14299803.75	39°22'42.884"N	80°52'01.680"W	1726.83	107.784	0.42	-0.36	-0.22	
8607.00	90.580	161.780	6492.42	1114.46	-617.84	1673.39	1677991.26	14299713.35	39°22'41.990"N	80°52'01.311"W	1783.81	110.265	0.84	-0.11	-0.83	
8702.00	90.090	162.390	6491.87	1209.46	-708.24	1702.61	1678020.47	14299623.00	39°22'41.096"N	80°52'00.941"W	1844.04	112.586	0.82	-0.52	0.64	
8798.00	91.320	162.470	6490.69	1305.44	-799.75	1731.59	1678049.44	14299531.52	39°22'40.191"N	80°52'00.573"W	1907.36	114.790	1.28	1.28	0.08	
8892.00	90.060	158.550	6489.55	1399.39	-888.34	1762.94	1678080.78	14299442.97	39°22'39.315"N	80°52'00.176"W	1974.11	116.743	4.38	-1.34	-4.17	
8987.00	89.820	160.280	6489.65	1494.32	-977.27	1796.34	1678114.17	14299354.07	39°22'38.436"N	80°51'59.752"W	2044.97	118.548	1.84	-0.25	1.82	
9083.00	89.850	162.810	6489.93	1590.31	-1068.32	1826.73	1678144.54	14299263.06	39°22'37.535"N	80°51'59.367"W	2116.19	120.320	2.64	0.03	2.64	
9179.00	90.310	162.100	6489.80	1686.30	-1159.86	1855.67	1678173.47	14299171.56	39°22'36.630"N	80°51'59.000"W	2188.33	122.007	0.88	0.48	-0.74	
9274.00	90.370	162.760	6489.23	1781.29	-1250.42	1884.35	1678202.13	14299081.03	39°22'35.735"N	80°51'58.637"W	2261.49	123.568	0.70	0.06	0.69	
9370.00	90.460	162.140	6488.54	1877.27	-1341.95	1913.30	1678231.07	14298989.54	39°22'34.829"N	80°51'58.270"W	2336.99	125.045	0.65	0.09	-0.65	
9464.00	90.150	162.780	6488.04	1971.26	-1431.58	1941.62	1678259.39	14298899.94	39°22'33.943"N	80°51'57.911"W	2412.33	126.402	0.76	-0.33	0.68	
9559.00	91.050	162.760	6487.04	2066.24	-1522.31	1969.78	1678287.52	14298809.25	39°22'33.046"N	80°51'57.554"W	2489.45	127.698	0.95	0.95	-0.02	
9655.00	89.910	160.040	6486.24	2162.22	-1613.28	2000.38	1678318.12	14298718.31	39°22'32.146"N	80°51'57.166"W	2569.86	128.886	3.07	-3.19	-2.83	



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #15
Area	Tyler County, WV	Well	Gabitalalek Unit 2H
Field	Tyler	Wellbore	Gabitalalek Unit 2H AWB
Facility	Dawson Pad		

WELLPATH DATA (221 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (IUS III)	Grid North (IUS III)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)	Comments
9751.00	90.400	163.340	6485.98	2258.21	-1704.41	2030.53	1678348.26	14298627.22	39°22'31.245"N	80°51'56.784"W	2551.05	130.010	3.48	0.51	3.44	
9845.00	90.180	161.970	6485.50	2352.19	-1794.13	2058.55	1678376.27	14298537.54	39°22'30.358"N	80°51'56.429"W	2730.67	131.074	1.48	-0.23	-1.46	
9940.00	90.280	161.990	6485.12	2447.19	-1884.47	2087.94	1678405.65	14298447.24	39°22'29.465"N	80°51'56.066"W	2812.60	132.068	0.11	0.11	0.02	
10034.00	89.720	168.050	6485.12	2541.13	-1972.79	2120.06	1678437.75	14298358.95	39°22'28.591"N	80°51'55.649"W	2895.95	132.939	4.23	-0.60	-4.19	
10129.00	90.030	160.060	6485.33	2636.03	-2061.51	2154.01	1678471.69	14298270.26	39°22'27.714"N	80°51'55.218"W	2981.54	133.743	2.14	0.33	2.12	
10224.00	90.310	162.430	6485.05	2731.02	-2151.46	2184.56	1678502.22	14298180.35	39°22'26.825"N	80°51'54.831"W	3066.12	134.563	2.51	0.29	2.49	
10318.00	89.750	160.220	6485.00	2825.02	-2240.51	2214.65	1678532.31	14298091.34	39°22'25.944"N	80°51'54.449"W	3150.33	135.332	2.43	-0.60	-2.35	
10414.00	90.000	161.440	6485.21	2921.00	-2331.18	2246.18	1678563.82	14298000.70	39°22'25.047"N	80°51'54.050"W	3237.24	136.064	1.30	0.26	1.27	
10509.00	88.680	161.220	6486.30	3015.99	-2421.17	2276.58	1678594.21	14297910.75	39°22'24.158"N	80°51'53.664"W	3323.39	136.763	1.41	-1.39	-0.23	
10605.00	90.920	162.210	6486.64	3111.99	-2512.32	2306.70	1678624.32	14297819.64	39°22'23.256"N	80°51'53.282"W	3410.66	137.443	2.55	2.33	1.03	
10700.00	89.910	161.500	6485.95	3206.98	-2602.59	2336.28	1678653.89	14297729.40	39°22'22.364"N	80°51'52.907"W	3497.38	138.086	1.30	-1.06	-0.75	
10795.00	91.200	162.930	6485.03	3301.97	-2693.04	2365.30	1678682.89	14297638.99	39°22'21.469"N	80°51'52.540"W	3584.29	138.707	2.03	1.36	1.51	
10888.00	91.170	168.200	6483.10	3394.91	-2780.70	2396.23	1678713.81	14297551.36	39°22'20.602"N	80°51'52.147"W	3670.72	139.247	5.09	-0.03	-5.09	
10983.00	90.550	154.040	6481.68	3489.44	-2867.54	2434.67	1678752.24	14297464.56	39°22'19.744"N	80°51'51.660"W	3761.70	139.667	4.43	-0.65	-4.38	
11078.00	88.740	156.370	6482.27	3583.84	-2953.77	2474.51	1678792.06	14297378.36	39°22'18.891"N	80°51'51.154"W	3853.30	140.046	3.11	-1.91	-2.45	
11173.00	87.480	161.690	6485.40	3678.65	-3042.39	2508.48	1678826.01	14297289.78	39°22'18.014"N	80°51'50.723"W	3943.17	140.494	5.75	-1.33	5.60	
11269.00	89.020	166.050	6488.33	3774.51	-3134.55	2535.13	1678852.65	14297197.66	39°22'17.103"N	80°51'50.386"W	4031.41	141.035	4.81	1.60	4.54	
11363.00	89.600	166.750	6489.47	3868.17	-3225.90	2557.23	1678874.74	14297106.34	39°22'16.200"N	80°51'50.106"W	4116.54	141.596	0.97	0.62	0.74	
11458.00	89.880	163.040	6489.90	3962.99	-3317.60	2581.98	1678899.49	14297014.67	39°22'15.293"N	80°51'49.793"W	4203.94	142.108	3.92	0.29	-3.91	
11553.00	89.540	161.040	6490.38	4057.99	-3407.97	2611.27	1678928.77	14296924.35	39°22'14.400"N	80°51'49.421"W	4293.37	142.540	2.14	-0.36	-2.11	
11648.00	89.720	164.040	6490.99	4152.96	-3498.58	2639.77	1678957.25	14296833.77	39°22'13.504"N	80°51'49.060"W	4382.75	142.964	3.16	0.19	3.16	
11742.00	90.370	168.550	6490.92	4246.62	-3589.88	2662.04	1678979.51	14296742.51	39°22'12.601"N	80°51'48.778"W	4469.19	143.442	4.85	0.69	4.80	
11838.00	90.800	168.330	6488.94	4341.93	-3683.93	2681.27	1678998.74	14296648.50	39°22'11.671"N	80°51'48.535"W	4556.37	143.952	0.50	0.45	-0.23	
11934.00	90.800	165.600	6488.60	4437.49	-3777.44	2702.92	1679020.38	14296555.03	39°22'10.747"N	80°51'48.261"W	4644.87	144.415	2.84	0.00	-2.84	
12028.00	90.620	164.540	6487.43	4531.31	-3868.25	2727.14	1679044.59	14296464.25	39°22'09.849"N	80°51'47.955"W	4732.93	144.816	1.14	-0.19	-1.13	
12123.00	90.950	162.120	6486.13	4626.25	-3959.25	2754.38	1679071.82	14296373.29	39°22'08.949"N	80°51'47.610"W	4823.10	145.174	2.57	0.35	-2.55	
12219.00	89.720	161.600	6485.57	4722.25	-4050.47	2784.27	1679101.70	14296282.10	39°22'08.047"N	80°51'47.231"W	4915.13	145.496	1.39	-1.28	-0.54	
12315.00	91.450	163.310	6484.59	4818.22	-4141.99	2813.21	1679130.62	14296190.62	39°22'07.142"N	80°51'46.864"W	5007.02	145.816	2.53	1.80	1.78	
12410.00	90.430	162.260	6483.03	4913.19	-4232.72	2841.32	1679158.72	14296099.92	39°22'06.245"N	80°51'46.508"W	5097.94	146.128	1.54	-1.07	-1.11	
12504.00	91.320	161.620	6481.59	5007.17	-4322.08	2870.46	1679187.85	14296010.60	39°22'05.361"N	80°51'46.139"W	5188.44	146.410	1.17	0.95	-0.88	



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #15
Operator	ANTERO RESOURCES CORPORATION	Well	Gabitalalek Unit 2H
Area	Tyler County, WV	Wellbore	Gabitalalek Unit 2H AWB
Field	Tyler		
Facility	Dawson Pad		

WELLPATH DATA (221 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
12599.00	90.150	162.650	6480.38	5102.16	-4412.49	2859.60	1679216.98	14295920.23	39°22'04.467"N	80°51'45.769"W	5279.94	146.690	1.64	-1.23	1.08	
12694.00	90.520	161.410	6479.82	5197.15	-4502.85	2928.91	1679246.27	14295829.90	39°22'03.573"N	80°51'45.398"W	5371.61	146.958	1.36	0.39	-1.31	
12790.00	90.980	162.190	6478.56	5293.14	-4594.04	2958.89	1679276.24	14295738.75	39°22'02.672"N	80°51'45.018"W	5464.45	147.216	0.94	0.48	0.81	
12885.00	90.430	163.320	6477.39	5388.12	-4684.76	2987.05	1679304.39	14295648.07	39°22'01.775"N	80°51'44.283"W	5556.03	147.478	1.32	-0.58	1.19	
12981.00	91.290	160.490	6475.95	5494.09	-4775.99	3016.86	1679334.19	14295556.87	39°22'00.872"N	80°51'44.283"W	5649.03	147.721	3.08	0.90	-2.95	
13076.00	89.540	161.910	6475.27	5579.08	-4865.92	3047.47	1679364.79	14295466.98	39°21'59.983"N	80°51'43.895"W	5741.45	147.942	2.37	-1.84	1.49	
13171.00	90.580	164.540	6475.17	5674.03	-4958.86	3074.89	1679392.90	14295376.07	39°21'59.084"N	80°51'43.548"W	5833.13	148.187	2.98	1.03	2.77	
13267.00	91.480	160.630	6473.44	5769.98	-5048.43	3103.61	1679420.19	14295284.54	39°21'58.179"N	80°51'43.184"W	5926.13	148.418	4.18	0.94	-4.07	
13362.00	89.970	159.890	6472.24	5864.95	-5137.84	3135.69	1679452.97	14295195.17	39°21'57.293"N	80°51'42.777"W	6019.13	148.604	1.77	-1.59	-0.78	
13457.00	90.460	163.370	6471.88	5959.93	-5227.98	3165.62	1679482.90	14295105.06	39°21'56.403"N	80°51'42.398"W	6111.71	148.804	3.70	0.52	3.66	
13554.00	90.710	162.140	6470.89	6056.90	-5320.61	3194.38	1679511.64	14295012.47	39°21'55.487"N	80°51'42.034"W	6205.88	149.020	1.29	0.78	-1.27	
13650.00	90.770	163.040	6469.65	6152.88	-5412.21	3223.10	1679540.35	14294920.91	39°21'54.581"N	80°51'41.670"W	6299.23	149.225	0.94	0.06	0.94	
13746.00	90.740	162.070	6468.39	6248.86	-5503.78	3251.88	1679569.11	14294829.37	39°21'53.676"N	80°51'41.305"W	6392.68	149.424	1.01	-0.03	-1.01	
13842.00	90.890	163.320	6467.02	6344.83	-5595.43	3280.43	1679597.65	14294737.77	39°21'52.770"N	80°51'40.944"W	6486.14	149.618	1.31	0.16	1.30	
13936.00	90.280	162.890	6466.06	6438.79	-5685.36	3307.75	1679624.96	14294647.86	39°21'51.880"N	80°51'40.597"W	6577.58	149.809	0.79	-0.65	-0.46	
14032.00	90.620	159.910	6465.31	6534.78	-5776.34	3338.36	1679655.56	14294556.93	39°21'50.981"N	80°51'40.209"W	6671.63	149.975	3.12	0.35	-3.10	
14126.00	89.630	163.310	6465.10	6628.76	-5865.52	3368.01	1679685.20	14294467.78	39°21'50.099"N	80°51'39.834"W	6763.71	150.135	3.77	-1.05	3.62	
14221.00	91.230	161.790	6464.39	6723.74	-5956.14	3396.50	1679713.68	14294377.19	39°21'49.203"N	80°51'39.473"W	6856.52	150.306	2.32	1.68	-1.60	
14316.00	91.540	161.500	6462.09	6818.71	-6046.28	3426.40	1679743.57	14294287.09	39°21'48.311"N	80°51'39.094"W	6949.66	150.460	0.45	0.33	-0.31	
14411.00	90.150	160.230	6460.89	6913.69	-6136.02	3457.54	1679774.69	14294197.39	39°21'47.424"N	80°51'38.699"W	7043.10	150.599	1.98	-1.46	-1.34	
14506.00	90.000	160.500	6460.57	7008.67	-6225.49	3489.46	1679806.60	14294107.95	39°21'46.539"N	80°51'38.294"W	7136.74	150.729	0.33	-0.16	0.28	
14600.00	90.180	161.600	6460.42	7102.66	-6314.40	3519.99	1679837.12	14294019.08	39°21'45.660"N	80°51'37.908"W	7229.24	150.862	1.19	0.19	1.17	
14696.00	90.800	158.770	6459.60	7198.62	-6404.70	3552.53	1679869.64	14293928.81	39°21'44.767"N	80°51'37.495"W	7323.98	150.984	3.02	0.65	-2.95	
14790.00	89.350	157.290	6459.47	7292.43	-6491.87	3587.69	1679904.79	14293841.68	39°21'43.905"N	80°51'37.049"W	7417.27	151.073	2.20	-1.54	-1.57	
14885.00	89.570	161.320	6460.37	7387.33	-6580.72	3621.25	1679938.34	14293752.87	39°21'43.026"N	80°51'36.624"W	7511.28	151.177	4.25	0.23	4.24	
14980.00	90.120	159.300	6460.63	7482.30	-6670.16	3653.26	1679970.34	14293663.46	39°21'42.142"N	80°51'36.218"W	7605.09	151.290	2.20	0.58	-2.13	
15074.00	89.140	160.960	6461.23	7576.26	-6758.56	3685.21	1680002.27	14293575.10	39°21'41.268"N	80°51'35.813"W	7697.98	151.398	2.05	-1.04	1.77	
15169.00	90.030	159.770	6461.92	7671.24	-6848.03	3717.13	1680034.18	14293485.67	39°21'40.383"N	80°51'35.408"W	7791.82	151.507	1.56	0.94	-1.25	
15265.00	89.970	160.470	6461.92	7767.20	-6938.31	3749.77	1680066.81	14293395.42	39°21'39.490"N	80°51'34.994"W	7886.75	151.611	0.73	-0.06	0.73	
15362.00	90.030	160.270	6461.92	7864.18	-7029.67	3782.36	1680099.39	14293304.10	39°21'38.586"N	80°51'34.581"W	7982.64	151.717	0.22	0.06	-0.21	



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #15
Area	Tyler County, WV	Well	Gabitalalek Unit 2H
Field	Tyler	Wellbore	Gabitalalek Unit 2H AWB
Facility	Dawson Pad		

WELLPATH DATA (221 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
15456.00	89.380	160.740	6462.41	7958.16	-7118.28	3813.73	1680130.74	14293215.52	39°21'37.710"N	80°51'34.184"W	8075.54	151.819	0.85	-0.69	0.50	
15553.00	90.061	160.940	6462.88	8055.15	-7209.90	3845.57	1680162.57	14293123.94	39°21'36.804"N	80°51'33.780"W	8171.36	151.928	0.73	0.70	0.21	
15648.00	90.401	161.320	6462.50	8150.15	-7299.80	3876.29	1680193.28	14293034.08	39°21'35.915"N	80°51'33.391"W	8265.15	152.031	0.54	0.36	0.40	
15743.00	89.110	160.930	6462.91	8245.14	-7389.68	3907.02	1680224.00	14292944.23	39°21'35.026"N	80°51'33.001"W	8358.96	152.134	1.42	-1.36	-0.41	
15839.00	90.710	159.650	6463.06	8341.11	-7480.05	3939.40	1680256.36	14292853.89	39°21'34.133"N	80°51'32.591"W	8454.00	152.226	2.13	1.67	-1.33	
15934.00	89.880	161.270	6462.57	8436.09	-7569.58	3971.17	1680288.12	14292764.40	39°21'33.247"N	80°51'32.188"W	8548.02	152.317	1.92	-0.87	1.71	
16030.00	89.820	159.250	6462.82	8532.06	-7659.93	4003.59	1680320.53	14292674.09	39°21'32.354"N	80°51'31.777"W	8643.11	152.405	2.11	-0.06	-2.10	
16125.00	89.850	161.720	6463.22	8627.03	-7749.47	4035.32	1680352.25	14292584.59	39°21'31.468"N	80°51'31.375"W	8737.17	152.493	2.60	-0.14	2.60	
16220.00	89.850	161.120	6463.61	8722.03	-7839.51	4065.59	1680382.51	14292494.58	39°21'30.578"N	80°51'30.991"W	8831.03	152.589	0.65	0.17	-0.63	
16315.00	89.661	161.820	6464.01	8817.03	-7929.59	4095.78	1680412.68	14292404.54	39°21'29.687"N	80°51'30.609"W	8924.90	152.683	0.76	-0.20	0.74	
16410.00	89.940	161.850	6464.34	8912.02	-8019.85	4125.40	1680442.29	14292314.31	39°21'28.795"N	80°51'30.234"W	9018.70	152.779	0.30	0.29	0.03	
16505.00	90.180	161.650	6464.24	9007.02	-8110.07	4155.15	1680472.03	14292224.12	39°21'27.902"N	80°51'29.857"W	9112.55	152.872	0.33	0.25	-0.21	
16601.00	89.940	161.700	6464.14	9103.02	-8201.21	4185.33	1680502.20	14292133.03	39°21'27.001"N	80°51'29.474"W	9207.43	152.963	0.26	-0.25	0.05	
16697.00	89.910	161.440	6464.27	9199.02	-8292.28	4215.68	1680532.54	14292041.99	39°21'26.101"N	80°51'29.090"W	9302.36	153.052	0.27	-0.03	-0.27	
16791.00	89.540	163.250	6464.72	9293.01	-8381.85	4244.19	1680561.03	14291952.46	39°21'25.215"N	80°51'28.729"W	9395.13	153.144	1.97	-0.39	1.93	
16887.00	89.780	163.280	6465.29	9388.97	-8473.78	4271.83	1680588.66	14291860.56	39°21'24.306"N	80°51'28.379"W	9489.65	153.246	0.25	0.25	0.03	
16983.00	89.820	164.280	6465.63	9484.90	-8565.96	4298.65	1680615.47	14291768.42	39°21'23.394"N	80°51'28.039"W	9584.05	153.351	1.04	0.04	1.04	
17078.00	90.180	163.460	6465.63	9579.82	-8657.22	4325.04	1680641.85	14291677.20	39°21'22.492"N	80°51'27.705"W	9677.47	153.454	0.94	0.38	-0.86	
17174.00	89.450	163.400	6465.94	9675.77	-8749.23	4352.42	1680669.22	14291585.22	39°21'21.582"N	80°51'27.358"W	9772.03	153.551	0.76	-0.76	-0.06	
17268.00	89.260	162.060	6466.99	9769.74	-8838.98	4380.32	1680697.11	14291495.51	39°21'20.685"N	80°51'27.005"W	9864.83	153.638	1.44	-0.20	-1.43	
17363.00	89.820	161.620	6467.76	9864.74	-8929.25	4409.93	1680726.70	14291405.28	39°21'19.802"N	80°51'26.630"W	9958.86	153.716	0.75	0.59	-0.46	
17460.00	89.850	161.380	6468.04	9961.74	-9021.24	4440.71	1680757.47	14291313.33	39°21'18.892"N	80°51'26.240"W	10054.98	153.791	0.25	0.03	-0.23	
17555.00	89.940	161.760	6468.21	10056.74	-9111.36	4470.74	1680787.49	14291223.24	39°21'18.001"N	80°51'25.859"W	10149.11	153.864	0.41	0.09	0.40	
17649.00	89.910	161.670	6468.33	10150.74	-9200.62	4500.23	1680816.97	14291134.02	39°21'17.119"N	80°51'25.485"W	10242.24	153.936	0.10	-0.03	-0.10	
17744.00	89.880	161.410	6468.51	10245.74	-9290.73	4530.32	1680847.04	14291043.94	39°21'16.227"N	80°51'25.104"W	10336.41	154.005	0.28	-0.03	-0.27	
17840.00	90.001	161.890	6468.61	10341.74	-9381.85	4560.54	1680877.25	14290952.86	39°21'15.326"N	80°51'24.721"W	10431.57	154.076	0.52	0.13	0.50	
17936.00	90.580	161.450	6468.12	10437.74	-9472.97	4590.73	1680907.43	14290861.77	39°21'14.425"N	80°51'24.339"W	10526.73	154.145	0.76	0.60	-0.46	
18030.00	90.460	161.270	6467.27	10531.73	-9562.04	4620.77	1680937.46	14290772.74	39°21'13.545"N	80°51'23.958"W	10619.99	154.208	0.23	-0.13	-0.19	
18126.00	89.880	158.180	6466.98	10627.67	-9652.08	4654.03	1680970.71	14290682.74	39°21'12.654"N	80°51'23.537"W	10715.53	154.258	3.27	-0.60	-3.22	
18222.00	89.880	161.960	6467.18	10723.62	-9742.31	4686.75	1681003.41	14290592.54	39°21'11.762"N	80°51'23.122"W	10811.03	154.309	3.94	0.00	3.94	



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'
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REFERENCE WELLPATH IDENTIFICATION		Slot #15
Operator	ANTERO RESOURCES CORPORATION	Well
Area	Tyler County, WV	Gabitalalek Unit 2H
Field	Tyler	Gabitalalek Unit 2H AWB
Facility	Dawson Pad	

WELLPATH DATA (221 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
18316.00	89.750	157.650	6487.49	10817.55	-9830.51	4719.19	1681035.84	14290504.37	39°21'10.889"N	80°51'22.711"W	10904.58	154.356	4.59	-0.14	-4.59	
18411.00	88.400	159.150	6469.02	10912.38	-9918.83	4754.16	1681070.80	14290416.10	39°21'10.016"N	80°51'22.268"W	10999.32	154.391	2.12	-1.42	1.58	
18506.00	89.660	161.210	6470.63	11007.33	-10008.18	4786.36	1681102.99	14290326.78	39°21'09.132"N	80°51'21.859"W	11093.82	154.441	2.54	1.33	2.17	
18602.00	89.940	161.150	6470.97	11103.33	-10099.05	4817.33	1681133.94	14290235.95	39°21'08.234"N	80°51'21.467"W	11189.17	154.498	0.30	0.23	-0.06	
18698.00	89.720	162.900	6471.25	11199.32	-10190.36	4846.96	1681163.56	14290144.68	39°21'07.331"N	80°51'21.092"W	11284.34	154.562	1.84	-0.23	1.82	
18792.00	89.630	162.360	6471.78	11293.30	-10280.07	4875.02	1681191.61	14290065.00	39°21'06.444"N	80°51'20.736"W	11377.42	154.629	0.58	-0.10	-0.57	
18888.00	89.660	162.650	6472.38	11389.29	-10371.63	4903.88	1681220.45	14289963.48	39°21'05.538"N	80°51'20.371"W	11472.52	154.694	0.30	0.02	0.30	
18984.00	89.600	162.370	6473.00	11485.28	-10463.19	4932.73	1681249.29	14289871.96	39°21'04.633"N	80°51'20.005"W	11567.63	154.759	0.30	-0.06	-0.23	
19079.00	89.660	162.330	6473.61	11580.27	-10553.71	4961.53	1681278.09	14289781.47	39°21'03.738"N	80°51'19.641"W	11661.80	154.821	0.08	0.06	-0.04	
19121.00	89.780	162.850	6473.82	11622.26	-10593.79	4974.10	1681290.65	14289741.41	39°21'03.342"N	80°51'19.481"W	11703.42	154.849	1.27	0.28	1.24	
19146.00	89.780	162.850	6473.91	11647.25	-10617.67	4981.47	1681298.02	14289717.53	39°21'03.105"N	80°51'19.388"W	11728.17	154.866	0.00	0.00	0.00	Projected MD at TD: 19146'

HOLE & CASING SECTIONS - Ref Wellbore: Gabitalalek Unit 2H AWB										Ref Wellpath: Gabitalalek Unit 2H AWP Proj: 19146'			
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	30.00	110.00	80.00	30.00	110.00	0.00	-0.23	0.00	0.20				
17.5in Open Hole	110.00	584.00	474.00	110.00	583.98	-0.23	-1.39	0.20	3.95				
13.375in Casing Surface	30.00	584.00	554.00	30.00	583.98	0.00	-1.39	0.00	3.95				
12.25in Open Hole	584.00	2651.30	2067.30	583.98	2567.47	-1.39	449.40	3.95	294.50				
9.625in Casing Intermediate	30.00	2651.30	2621.30	30.00	2567.47	0.00	449.40	0.00	294.50				
8.75in Open Hole	2651.30	6366.00	3714.70	2567.47	6094.78	449.40	1318.71	294.50	923.37				
8.5in Open Hole	6366.00	19146.00	12780.00	6094.78	6473.91	1318.71	-10617.67	923.37	4981.47				
5.5in Casing Production	30.00	19146.00	19116.00	30.00	6473.91	0.00	-10617.67	0.00	4981.47				



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #15
Area	Tyler County, WV	Well	Gabitalalek Unit 2H
Field	Tyler	Wellbore	Gabitalalek Unit 2H AWB
Facility	Dawson Pad		

TARGETS								
Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
Gabitalalek Unit 2H - POE - Rev-2	6485.00	876.07	1143.54	1677461.62	14301206.67	39°22'56.763"N	80°52'08.031"W	point
Gabitalalek Unit 2H - BHL - Rev-2	6510.00	-10635.96	4973.94	1681290.49	14289699.25	39°21'02.925"N	80°51'19.484"W	point
Gabitalalek Unit 2H - LP - Rev-2	6510.00	692.89	1204.49	1677522.55	14301023.56	39°22'54.951"N	80°52'07.258"W	point

WELLPATH COMPOSITION - Ref Wellbore: Gabitalalek Unit 2H AWB				Ref Wellpath: Gabitalalek Unit 2H AWP Proj: 19146'	
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	
30.00	558.00	Gyrodata standard - Single-shot	01 Gyrodata SS Gyro <17-1/2">(100-543)	Gabitalalek Unit 2H AWB	
558.00	2567.00	OWSG MWD rev2 + HRGM	02 WFT EM <12-1/4">(543)(619-2552)	Gabitalalek Unit 2H AWB	
2567.00	6292.00	OWSG MWD rev2 + HRGM	03 WFT EM <8-3/4">(2552)(2878-6277)	Gabitalalek Unit 2H AWB	
6292.00	19121.00	BHI Auto Trak Curve (Short)	04 BH AT Curve <8-1/2">(6292)(6344-19121)	Gabitalalek Unit 2H AWB	
19121.00	19146.00	Blind Drilling (std)	Projection to bit	Gabitalalek Unit 2H AWB	



Actual Wellpath Report

Gabitalalek Unit 2H AWP Proj: 19146'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Slot	Slot #15	
ANTERO RESOURCES CORPORATION	Well	Gabitalalek Unit 2H	
Tyler County, WV	Wellbore	Gabitalalek Unit 2H AWB	
Tyler			
Dawson Pad			

COMMENTS

Wellpath general comments
 API: 47-095-02581-0000
 BHI Job #: 109909347A
 Rig: H&P 519
 Duration: 08/23/2019-08/26/2019
 Gyrodata SS Gyro <17-1/2">(100'-543')
 WFT EM <12-1/4">(543')(619'-2552')
 WFT EM <8-3/4">(2552')(2678'-6277')
 BH AT Curve <8-1/2">(6292')(6344'-19121')
 Middlesex: 6622' MD
 Burkett: 6841' MD
 Tully: 6927' MD
 Marcellus POE: 7029' MD
 Projected MD at TD: 19146'