



# Actual Wellpath Report

Gabitalalek Unit 1H AWP Proj: 18520'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #14
Area	Tyler County, WV	Well	Gabitalalek Unit 1H
Field	Tyler	Wellbore	Gabitalalek Unit 1H AWB
Facility	Dawson Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	
Scale	0.999601	Report Generated	8/24/2019 at 4:28:16 PM
Convergence at slot	0.08° East	Database/Source file	WA_MPL_EasternUS_Defm/Gabitalalek_Unit_1H_AWP_Proj_18520_.xml

WELLPATH LOCATION							
	Local coordinates			Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude	
Slot Location	-250.56	239.48	1676309.10	14300342.06	39°22'48.230"N	80°52'22.730"W	
Facility Reference Pt			1676049.73	14300592.52	39°22'50.710"N	80°52'26.030"W	
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W	

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 519 (RKB) to Facility Vertical Datum	1039.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	1039.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot #14)	30.00ft
MD Reference Pt	H&P 519 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.61°



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Area	Tyler County, WV								
Field	Tyler								
Facility	Dawson Pad								
	Well								
	Wellbore								
	Slot #14								
	Gabritalek Unit 1H								
	Gabritalek Unit 1H AWP								

WELLPATH DATA (214 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 (°/100ft)	Comments
0.00	0.000	144.300	0.00	0.00	0.00	0.00	1676309.10	14300342.06	39°22'48.230"N	80°52'22.730"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	144.300	30.00	0.00	0.00	0.00	1676309.10	14300342.06	39°22'48.230"N	80°52'22.730"W	0.00	0.000	0.00	0.00	0.00	
115.00	0.230	144.300	115.00	0.16	-0.14	0.10	1676309.20	14300341.92	39°22'48.229"N	80°52'22.729"W	0.17	144.300	0.27	0.27	169.76	Gyrodatta MS Gyro <17-1/2">(100'-543')
215.00	0.260	153.390	215.00	0.58	-0.50	0.32	1676309.42	14300341.56	39°22'48.225"N	80°52'22.726"W	0.60	147.746	0.05	0.03	9.09	
315.00	0.330	156.470	315.00	1.09	-0.97	0.53	1676309.63	14300341.09	39°22'48.220"N	80°52'22.723"W	1.11	151.158	0.07	0.07	3.08	
415.00	0.340	127.270	415.00	1.62	-1.42	0.89	1676309.99	14300340.65	39°22'48.216"N	80°52'22.719"W	1.67	147.948	0.17	0.01	-29.20	
515.00	0.690	124.120	514.99	2.35	-1.93	1.62	1676310.72	14300340.13	39°22'48.211"N	80°52'22.709"W	2.52	140.016	0.35	0.35	-3.15	
558.00	0.750	130.560	557.99	2.79	-2.26	2.05	1676311.15	14300339.80	39°22'48.208"N	80°52'22.704"W	3.05	137.815	0.23	0.23	0.14	
588.00	0.770	136.930	587.99	3.14	-2.54	2.34	1676311.43	14300339.53	39°22'48.205"N	80°52'22.700"W	3.45	137.351	0.29	0.07	2.12	MFT EM <12-1/4">(543')(573'-2519')
679.00	0.300	93.490	678.98	3.79	-3.00	2.99	1676312.09	14300339.06	39°22'48.200"N	80°52'22.692"W	4.23	135.056	0.65	-0.52	-47.74	
772.00	2.400	45.680	771.95	3.03	-1.65	4.63	1676313.73	14300340.41	39°22'48.214"N	80°52'22.671"W	4.91	109.636	2.38	2.26	-51.41	
885.00	4.700	37.560	884.73	-0.60	3.67	9.14	1676318.24	14300345.73	39°22'48.266"N	80°52'22.614"W	9.85	68.114	2.08	2.04	-7.19	
983.00	7.010	34.140	982.21	-6.49	11.81	14.95	1676324.04	14300353.86	39°22'48.346"N	80°52'22.539"W	19.05	51.696	2.38	2.36	-3.48	
1077.00	8.050	30.160	1075.40	-14.33	22.24	21.47	1676330.56	14300364.30	39°22'48.450"N	80°52'22.466"W	30.92	43.989	1.24	1.11	-4.23	
1172.00	8.720	25.060	1169.38	-23.97	34.52	27.87	1676336.95	14300376.57	39°22'48.571"N	80°52'22.375"W	44.36	38.912	1.05	0.71	-5.37	
1267.00	9.470	26.520	1263.19	-34.73	48.04	34.41	1676343.49	14300390.08	39°22'48.704"N	80°52'22.291"W	59.09	35.612	0.83	0.76	1.54	
1362.00	10.440	28.140	1356.76	-46.19	62.82	41.95	1676351.04	14300404.85	39°22'48.848"N	80°52'22.195"W	75.37	33.822	1.06	1.02	1.71	
1456.00	11.240	24.710	1449.08	-56.73	78.45	49.80	1676358.88	14300420.48	39°22'49.006"N	80°52'22.094"W	92.92	32.407	1.09	0.85	-3.65	
1551.00	11.140	27.170	1542.28	-71.92	95.03	57.86	1676366.94	14300437.05	39°22'49.168"N	80°52'21.991"W	111.26	31.337	0.51	-0.11	2.59	
1646.00	10.340	26.430	1635.61	-84.39	110.83	65.85	1676374.92	14300452.84	39°22'49.324"N	80°52'21.890"W	128.91	30.717	0.85	-0.84	-0.78	
1740.00	9.600	23.070	1728.19	-96.25	125.69	72.67	1676381.75	14300467.60	39°22'49.470"N	80°52'21.802"W	145.10	30.056	1.00	-0.79	-3.57	
1835.00	8.710	26.780	1821.98	-107.26	139.30	79.02	1676388.09	14300481.31	39°22'49.606"N	80°52'21.721"W	160.15	29.564	1.12	-0.94	3.91	
1930.00	8.530	36.420	1915.91	-116.39	151.39	86.44	1676395.51	14300493.39	39°22'49.725"N	80°52'21.626"W	174.34	29.726	1.53	-0.19	10.15	
2024.00	10.300	43.970	2008.65	-124.31	163.05	96.42	1676405.48	14300505.05	39°22'49.840"N	80°52'21.489"W	189.43	30.597	2.29	1.88	8.03	
2119.00	11.560	46.570	2101.92	-132.28	175.71	109.23	1676418.28	14300517.70	39°22'49.965"N	80°52'21.386"W	206.89	31.867	1.42	1.33	2.74	
2214.00	10.350	39.890	2195.19	-140.79	188.80	121.61	1676430.67	14300530.79	39°22'50.094"N	80°52'21.178"W	224.58	32.787	1.84	-1.27	-7.03	
2308.00	10.730	31.580	2287.61	-150.86	202.74	131.61	1676440.66	14300544.72	39°22'50.232"N	80°52'21.050"W	241.71	32.991	1.67	0.46	-8.84	
2403.00	11.130	28.890	2380.89	-162.77	218.30	140.67	1676449.72	14300560.27	39°22'50.386"N	80°52'20.935"W	259.70	32.798	0.68	0.42	-2.83	
2498.00	10.670	27.350	2474.18	-175.13	234.14	149.15	1676458.19	14300576.11	39°22'50.542"N	80°52'20.826"W	277.61	32.497	0.57	-0.48	-1.62	
2534.00	10.290	27.440	2509.57	-179.70	239.95	152.16	1676461.20	14300591.92	39°22'50.599"N	80°52'20.788"W	284.13	32.379	1.06	-1.06	0.29	





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Area	Tyler County, WV								
Field	Tyler								
Facility	Dawson Pad								
Well	Wellbore								
Wellbore	Gabritalek Unit 1H AWB								
Slot	Slot #14								

WELLPATH DATA (214 stations)																
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	°	ft/100ft	ft/100ft	ft/100ft	
2664.00	8.850	27.900	2637.76	-194.70	259.10	162.19	1676477.22	14300601.05	39°22'50.789"N	80°52'20.660"W	305.67	32.046	1.11	-1.11	0.35	WFT EM <-8.314> (2519) (2649) (-6168)
2759.00	8.100	33.550	2731.73	-203.87	271.13	169.31	1676478.34	14300613.09	39°22'50.907"N	80°52'20.569"W	319.65	31.982	1.18	-0.79	5.95	
2854.00	9.550	32.440	2828.60	-212.98	283.36	177.23	1676486.26	14300623.31	39°22'51.028"N	80°52'20.468"W	334.23	32.025	1.54	-1.17	6.95	
2949.00	11.120	25.840	2919.06	-224.52	298.26	185.45	1676494.48	14300640.20	39°22'51.175"N	80°52'20.363"W	351.22	31.873	2.07	-1.65	6.95	
3044.00	10.780	21.510	3012.33	-237.90	314.77	192.71	1676501.73	14300656.71	39°22'51.338"N	80°52'20.270"W	369.08	31.475	0.94	-0.36	-4.56	
3138.00	9.190	24.040	3104.90	-250.19	329.81	198.99	1676508.01	14300671.73	39°22'51.487"N	80°52'20.190"W	385.19	31.104	1.75	-1.69	2.69	
3237.00	8.610	33.640	3202.72	-260.58	343.20	206.31	1676515.33	14300686.12	39°22'51.619"N	80°52'20.096"W	400.44	31.012	1.61	-0.59	9.70	
3332.00	9.560	31.390	3296.52	-270.05	355.85	214.36	1676523.38	14300697.77	39°22'51.744"N	80°52'19.994"W	415.43	31.064	1.07	1.00	-2.37	
3427.00	9.260	26.840	3390.25	-280.53	369.41	221.92	1676530.93	14300711.32	39°22'51.878"N	80°52'19.891"W	430.94	30.995	0.84	-0.32	-4.79	
3522.00	9.420	31.940	3483.99	-290.87	382.82	229.49	1676538.49	14300724.73	39°22'52.010"N	80°52'19.801"W	446.34	30.941	0.89	0.17	5.37	
3617.00	10.090	32.680	3577.61	-301.07	396.43	238.09	1676547.10	14300738.33	39°22'52.145"N	80°52'19.691"W	462.43	30.989	0.72	0.71	0.78	
3712.00	9.920	29.520	3671.17	-311.78	410.55	246.62	1676555.62	14300752.45	39°22'52.284"N	80°52'19.582"W	478.93	30.993	0.60	-0.18	-3.33	
3807.00	9.410	27.090	3764.82	-322.71	424.59	254.19	1676563.18	14300766.48	39°22'52.423"N	80°52'19.485"W	494.86	30.908	0.69	-0.54	-2.56	
3902.00	9.680	25.800	3858.51	-333.88	438.69	261.20	1676570.19	14300780.58	39°22'52.562"N	80°52'19.396"W	510.56	30.770	0.36	0.28	-1.36	
3997.00	10.640	26.990	3952.02	-345.77	453.70	268.66	1676577.65	14300795.58	39°22'52.710"N	80°52'19.301"W	527.27	30.632	1.03	1.01	1.25	
4092.00	10.800	25.210	4045.36	-358.38	469.57	276.43	1676585.42	14300811.44	39°22'52.867"N	80°52'19.201"W	544.89	30.485	0.39	0.17	-1.87	
4188.00	10.750	26.510	4139.67	-371.23	485.71	284.25	1676593.24	14300827.58	39°22'53.027"N	80°52'19.101"W	562.78	30.337	0.26	-0.05	1.35	
4282.00	10.740	24.990	4232.02	-383.81	501.50	291.87	1676600.85	14300843.36	39°22'53.183"N	80°52'19.004"W	580.25	30.189	0.30	-0.01	-1.62	
4377.00	9.860	27.460	4325.49	-395.91	516.74	299.36	1676608.34	14300858.59	39°22'53.333"N	80°52'18.908"W	597.19	30.085	1.04	-0.93	2.60	
4472.00	10.250	33.400	4419.03	-408.80	531.01	307.76	1676616.74	14300872.86	39°22'53.474"N	80°52'18.801"W	613.75	30.096	1.17	0.41	6.25	
4567.00	11.310	30.160	4512.35	-418.20	546.12	317.10	1676625.07	14300887.97	39°22'53.623"N	80°52'18.682"W	631.51	30.141	1.28	1.12	-3.41	
4662.00	11.640	26.760	4605.46	-431.12	562.74	326.09	1676633.06	14300904.57	39°22'53.787"N	80°52'18.567"W	650.39	30.091	0.79	0.35	-3.58	
4760.00	11.200	30.420	4701.52	-444.36	579.77	335.36	1676644.33	14300921.60	39°22'53.966"N	80°52'18.449"W	669.78	30.047	0.86	-0.45	3.73	
4855.00	10.930	24.710	4794.75	-457.02	595.91	343.80	1676652.76	14300937.73	39°22'54.151"N	80°52'18.341"W	687.97	29.982	1.19	-0.28	-6.01	
4950.00	9.620	22.440	4888.23	-469.60	611.43	350.59	1676659.55	14300953.24	39°22'54.288"N	80°52'18.254"W	704.81	29.830	1.44	-1.38	-2.39	
5045.00	9.340	27.890	4981.93	-480.93	625.58	357.23	1676666.19	14300967.22	39°22'54.545"N	80°52'18.169"W	720.39	29.728	0.99	-0.29	5.73	
5139.00	9.780	27.300	5074.63	-491.78	639.42	364.46	1676673.41	14300981.22	39°22'54.808"N	80°52'18.077"W	735.99	29.682	0.48	-0.47	-0.62	
5234.00	9.030	26.800	5168.35	-502.67	653.24	371.52	1676680.47	14300995.04	39°22'54.661"N	80°52'17.987"W	751.50	29.628	0.79	-0.79	-0.53	
5329.00	9.630	23.740	5262.09	-513.82	667.17	378.08	1676687.03	14301008.96	39°22'54.819"N	80°52'17.903"W	766.85	29.540	0.82	0.63	-3.22	
5424.00	9.490	25.260	5355.77	-525.38	681.53	384.62	1676693.57	14301023.31	39°22'54.961"N	80°52'17.820"W	782.57	29.438	0.30	-0.15	1.60	



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WELLPATH DATA (214 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
ftH	°	°	ftH	ftH	ftH	ftH	ftH	ftH	ftH	ftH	ftH	°	°/100ftH	°/100ftH	°/100ftH	
5619.00	8.760	23.200	5449.57	-536.46	695.26	390.81	1676699.76	14301037.04	39°22'55.096"N	80°52'17.741"W	797.57	29.341	0.84	-0.77	-2.17	
5614.00	7.810	22.230	5543.58	-546.77	707.88	396.10	1676705.05	14301049.66	39°22'55.221"N	80°52'17.673"W	811.17	29.230	1.01	-1.00	-1.02	
5709.00	8.710	24.050	5637.59	-556.98	720.43	401.48	1676710.42	14301062.20	39°22'55.345"N	80°52'17.604"W	824.74	29.130	0.99	0.95	1.92	
5772.00	8.900	37.450	5699.86	-563.23	728.65	406.39	1676715.32	14301070.42	39°22'55.426"N	80°52'17.542"W	834.32	29.149	3.26	0.30	21.27	
5804.00	8.390	58.270	5731.50	-565.16	731.85	409.88	1676718.81	14301073.61	39°22'55.458"N	80°52'17.497"W	838.81	29.251	9.85	-1.59	65.06	
5835.00	8.690	79.840	5762.16	-565.35	733.45	414.11	1676723.04	14301075.22	39°22'55.473"N	80°52'17.443"W	842.28	29.449	10.32	0.97	69.58	
5867.00	9.470	84.730	5793.76	-564.41	734.12	419.11	1676728.04	14301075.88	39°22'55.480"N	80°52'17.379"W	845.33	29.722	3.43	2.44	15.28	
5898.00	11.100	96.290	5824.26	-563.07	734.55	424.63	1676733.56	14301076.31	39°22'55.484"N	80°52'17.309"W	848.45	30.031	5.33	5.26	5.03	
5930.00	11.240	97.060	5855.66	-560.95	734.36	430.80	1676739.72	14301076.13	39°22'55.482"N	80°52'17.231"W	851.39	30.397	6.53	0.44	33.66	
5962.00	11.450	110.560	5887.04	-557.61	732.86	436.87	1676745.79	14301074.63	39°22'55.467"N	80°52'17.153"W	853.19	30.800	8.31	0.66	42.19	
5993.00	11.530	126.370	5917.43	-553.15	729.94	442.24	1676751.17	14301071.71	39°22'55.438"N	80°52'17.085"W	853.46	31.210	10.13	0.26	51.00	
6025.00	12.950	141.790	5948.71	-547.16	725.23	447.04	1676755.96	14301067.00	39°22'55.392"N	80°52'17.024"W	851.94	31.650	11.10	4.44	48.19	
6056.00	16.690	145.560	5978.67	-539.61	718.83	451.71	1676760.62	14301060.60	39°22'55.328"N	80°52'16.965"W	848.97	32.145	12.45	12.06	12.16	
6088.00	19.200	146.370	6009.11	-530.12	710.65	457.22	1676766.14	14301052.43	39°22'55.247"N	80°52'16.895"W	845.03	32.756	7.88	7.84	2.53	
6120.00	20.900	146.310	6039.17	-519.53	701.52	463.30	1676772.21	14301043.30	39°22'55.157"N	80°52'16.817"W	840.70	33.442	5.31	5.31	-0.19	
6151.00	23.950	147.160	6067.83	-508.10	691.63	469.78	1676778.69	14301033.42	39°22'55.059"N	80°52'16.735"W	836.09	34.186	9.89	9.84	2.74	
6183.00	25.440	153.270	6096.90	-495.01	680.03	476.40	1676785.30	14301021.82	39°22'54.944"N	80°52'16.651"W	830.30	35.013	9.23	4.66	19.09	
6223.00	31.080	159.730	6132.13	-476.17	662.66	483.84	1676792.75	14301004.45	39°22'54.773"N	80°52'16.556"W	820.50	36.135	16.02	14.10	16.15	BH AT Curve <8-1/2"> (6183) (6223-18495)
6223.00	38.180	161.610	6214.36	-419.39	609.05	502.56	1676811.46	14300950.86	39°22'54.243"N	80°52'16.319"W	789.62	36.528	7.18	7.10	1.88	
6417.00	45.610	159.940	6284.29	-356.68	549.84	523.28	1676832.17	14300891.68	39°22'53.657"N	80°52'16.056"W	759.04	43.582	7.99	7.90	-1.78	
6433.00	47.217	159.439	6295.32	-345.10	538.98	527.30	1676836.19	14300880.82	39°22'53.550"N	80°52'16.005"W	754.02	44.373	10.30	10.04	-3.13	Middlesex: 6433 MD
6513.00	55.280	157.270	6345.36	-282.87	481.06	550.35	1676859.23	14300822.93	39°22'52.977"N	80°52'15.713"W	730.97	48.843	10.30	10.08	-2.71	
6607.00	62.540	155.580	6393.87	-202.76	407.36	582.57	1676891.43	14300749.25	39°22'52.248"N	80°52'15.304"W	710.86	55.037	7.87	7.72	-1.80	
6684.00	65.459	156.854	6418.85	-151.77	360.48	603.22	1676912.08	14300702.40	39°22'51.784"N	80°52'15.042"W	702.72	59.138	5.50	5.12	2.23	Burkett: 6684 MD
6702.00	67.410	157.670	6434.04	-117.53	328.36	616.68	1676925.53	14300670.29	39°22'51.467"N	80°52'14.871"W	698.65	61.966	5.50	5.14	2.15	
6750.00	69.075	158.934	6451.84	-72.53	286.94	633.16	1676942.00	14300628.86	39°22'51.057"N	80°52'14.662"W	695.14	65.621	4.25	3.47	2.63	Tilly: 6750 MD
6796.00	70.680	160.120	6467.66	-29.37	246.47	648.26	1676957.10	14300588.44	39°22'50.657"N	80°52'14.470"W	693.54	69.183	4.25	3.49	2.58	
6843.00	73.810	159.550	6481.99	15.36	204.46	663.69	1676972.53	14300546.44	39°22'50.242"N	80°52'14.274"W	694.47	72.878	6.76	6.66	-1.21	
6845.00	73.995	159.533	6482.55	17.28	202.66	664.36	1676973.20	14300544.64	39°22'50.224"N	80°52'14.266"W	694.59	73.036	9.31	9.27	-0.85	Marcellus POE: 6845 MD
6891.00	78.260	159.150	6493.57	61.90	160.89	680.12	1676988.94	14300502.88	39°22'49.811"N	80°52'14.066"W	698.89	76.691	9.31	9.27	-0.83	





# Actual Wellpath Report

Gabitaliaek Unit 1H AWP Proj: 18520'  
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REFERENCE WELLPATH IDENTIFICATION									
Operator	ANTERO RESOURCES CORPORATION								
Area	Tyler County, WV								
Field	Tyler								
Facility	Dawson Pad								
	Slot	Slot #14							
	Well	Gabitaliaek Unit 1H							
	Wellbore	Gabitaliaek Unit 1H AWP							

WELLPATH DATA (214 stations)																
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	ft	ft			ft	°	ft/100ft	ft/100ft	ft/100ft	
6938.00	83.560	160.540	6501.00	108.27	117.33	696.10	1677004.92	143000459.35	39°22'49.380"N	80°52'13.863"W	715.92	80.432	11.65	11.28	2.96	
6986.00	88.860	162.650	6504.17	156.14	71.91	711.21	1677020.02	143000413.94	39°22'48.931"N	80°52'13.672"W	714.84	84.227	11.88	11.04	4.40	
7061.00	90.620	164.010	6504.60	251.09	-19.09	738.46	1677047.26	143000322.97	39°22'48.031"N	80°52'13.326"W	738.71	91.481	2.34	1.85	1.43	
7175.00	90.890	162.810	6503.36	345.03	-108.17	765.30	1677074.09	143000232.93	39°22'47.140"N	80°52'12.986"W	773.04	98.119	1.31	0.29	-1.28	
7269.00	90.890	160.370	6501.90	439.02	-198.34	794.98	1677103.76	143000143.80	39°22'46.268"N	80°52'12.610"W	819.35	104.009	2.60	0.00	-2.60	
7364.00	90.430	158.910	6500.81	533.95	-287.40	828.03	1677136.79	143000054.78	39°22'45.378"N	80°52'12.191"W	876.48	109.141	1.61	-0.48	-1.54	
7456.00	90.580	160.460	6499.98	627.89	-375.55	860.66	1677169.41	142999866.66	39°22'44.506"N	80°52'11.777"W	939.02	113.574	1.66	0.16	1.65	
7533.00	91.450	158.110	6498.29	722.79	-464.38	894.25	1677202.99	142998777.86	39°22'43.628"N	80°52'11.350"W	1007.64	117.443	2.64	0.92	-2.47	
7648.00	92.280	155.250	6496.20	817.38	-551.57	931.84	1677240.56	14299790.71	39°22'42.765"N	80°52'10.873"W	1082.84	120.622	3.13	0.87	-3.01	
7744.00	90.520	155.630	6492.86	912.79	-638.85	971.72	1677280.43	14299703.46	39°22'41.902"N	80°52'10.367"W	1162.92	123.323	1.88	-1.83	0.40	
7836.00	90.000	156.530	6492.43	1006.35	-724.78	1009.84	1677318.53	14299617.57	39°22'41.052"N	80°52'09.883"W	1243.01	125.668	1.11	-0.55	0.95	
7934.00	90.060	157.640	6492.38	1102.05	-813.20	1047.21	1677355.90	14299529.19	39°22'40.178"N	80°52'09.409"W	1325.88	127.831	1.16	0.06	1.16	
8030.00	89.970	159.030	6492.35	1197.89	-902.42	1082.66	1677391.32	14299440.01	39°22'39.296"N	80°52'08.959"W	1409.43	129.812	1.45	-0.09	1.45	
8125.00	89.600	158.800	6492.71	1292.78	-991.05	1116.83	1677425.48	14299351.40	39°22'38.419"N	80°52'08.526"W	1493.15	131.585	0.46	-0.39	-0.24	
8221.00	89.780	160.360	6493.23	1388.72	-1081.02	1150.32	1677458.96	14299261.47	39°22'37.529"N	80°52'08.101"W	1578.56	133.221	1.64	0.19	1.63	
8317.00	90.000	161.810	6493.41	1484.71	-1171.83	1181.44	1677490.07	14299170.70	39°22'36.631"N	80°52'07.706"W	1664.03	134.766	1.53	0.23	1.51	
8411.00	90.090	162.910	6493.34	1578.70	-1261.41	1209.93	1677518.54	14299081.16	39°22'35.746"N	80°52'07.345"W	1747.88	136.193	1.17	0.10	1.17	
8507.00	89.850	164.360	6493.39	1674.64	-1353.52	1236.98	1677545.58	14298989.08	39°22'34.835"N	80°52'07.002"W	1833.61	137.576	1.53	-0.25	1.51	
8601.00	90.580	164.470	6493.04	1768.53	-1444.06	1262.23	1677570.82	14298898.58	39°22'33.940"N	80°52'06.682"W	1917.95	138.844	0.79	0.78	0.12	
8696.00	90.460	161.420	6492.18	1863.49	-1534.87	1290.09	1677598.67	14298807.81	39°22'33.042"N	80°52'06.329"W	2005.03	139.952	3.21	-0.13	-3.21	
8792.00	89.820	159.980	6491.94	1959.47	-1625.47	1321.82	1677630.39	14298717.24	39°22'32.146"N	80°52'05.927"W	2095.08	140.882	1.64	-0.67	-1.50	
8886.00	90.000	160.630	6492.09	2053.45	-1713.97	1353.50	1677662.05	14298628.78	39°22'31.271"N	80°52'05.525"W	2183.95	141.702	0.72	0.19	0.69	
8980.00	90.220	161.820	6491.91	2147.44	-1802.97	1383.75	1677692.29	14298539.81	39°22'30.391"N	80°52'05.142"W	2272.76	142.494	1.29	0.23	1.27	
9076.00	90.340	162.770	6491.44	2243.43	-1894.42	1412.94	1677721.48	14298448.40	39°22'29.486"N	80°52'04.772"W	2363.31	143.283	1.00	0.12	0.99	
9172.00	90.180	163.550	6491.00	2339.40	-1986.30	1440.75	1677749.28	14298356.56	39°22'28.578"N	80°52'04.419"W	2453.80	144.045	0.83	-0.17	0.81	
9267.00	90.310	165.440	6490.60	2434.27	-2077.84	1468.15	1677797.41	14298265.05	39°22'27.673"N	80°52'04.098"W	2543.03	144.793	1.99	0.14	1.99	
9363.00	90.220	167.130	6490.15	2529.95	-2171.10	1488.91	1677845.66	14298171.83	39°22'26.751"N	80°52'03.809"W	2632.58	145.558	1.76	-0.09	1.76	
9457.00	90.860	169.320	6489.27	2623.31	-2263.11	1508.09	1677816.58	14298079.86	39°22'25.841"N	80°52'03.567"W	2719.56	146.321	2.43	0.68	2.33	
9552.00	91.760	167.860	6487.10	2717.58	-2356.20	1526.88	1677835.36	14297966.80	39°22'24.921"N	80°52'03.329"W	2807.68	147.056	1.81	0.95	-1.54	
9648.00	90.920	164.860	6484.85	2813.21	-2449.46	1549.51	1677857.99	14297893.58	39°22'23.999"N	80°52'03.043"W	2898.42	147.883	3.24	-0.88	-3.13	



# Actual Wellpath Report

Gabitaliaek Unit 1H AWP Proj: 18520'

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REFERENCE WELLPATH IDENTIFICATION				Slot	Slot #14
Operator	ANTERO RESOURCES CORPORATION			Well	Gabitaliaek Unit 1H
Area	Tyler County, WV			Wellbore	Gabitaliaek Unit 1H AWP
Field	Tyler				
Facility	Dawson Pad				

WELLPATH DATA (214 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
ftH	°	°	ftH	ftH	ftH	ftH	US ftH	US ftH			ftH	°	°/100ftH	°/100ftH	°/100ftH	
9744.00	91.450	160.640	6482.86	2909.15	-254.10	1577.96	1677886.43	14297801.98	39°22'23.092"N	80°52'02.682"W	2991.18	148.161	4.43	0.55	-4.40	
9838.00	90.460	159.790	6481.30	3003.11	-2629.54	1609.77	1677918.23	14297713.68	39°22'22.218"N	80°52'02.279"W	3083.15	148.525	1.39	-1.05	-0.90	
9933.00	90.740	160.530	6480.30	3098.07	-2718.89	1642.02	1677950.46	14297624.26	39°22'21.334"N	80°52'01.870"W	3176.25	148.871	0.83	0.29	0.78	
10029.00	90.800	160.020	6479.01	3194.03	-2809.25	1674.41	1677982.84	14297533.94	39°22'20.441"N	80°52'01.459"W	3270.40	149.204	0.53	0.06	-0.53	
10124.00	90.680	158.210	6477.78	3288.93	-2898.00	1708.28	1678016.69	14297445.22	39°22'19.563"N	80°52'01.030"W	3364.01	149.482	1.91	-0.13	-1.91	
10219.00	89.970	156.920	6477.25	3383.69	-2985.80	1744.53	1678052.93	14297357.45	39°22'18.695"N	80°52'00.570"W	3458.09	149.703	1.55	-0.75	-1.36	
10314.00	90.460	156.600	6476.89	3478.35	-3073.09	1782.01	1678090.40	14297270.20	39°22'17.832"N	80°52'00.094"W	3552.39	149.892	0.62	0.52	-0.34	
10409.00	90.000	159.070	6476.51	3573.14	-3161.07	1817.85	1678126.22	14297182.26	39°22'16.962"N	80°51'59.639"W	3646.49	150.098	2.64	-0.48	2.60	
10505.00	90.120	161.520	6476.41	3669.10	-3251.44	1850.22	1678158.58	14297091.93	39°22'16.086"N	80°51'59.229"W	3741.01	150.358	2.56	0.13	2.55	
10599.00	88.950	162.500	6477.17	3763.09	-3340.84	1879.25	1678187.60	14297002.56	39°22'15.184"N	80°51'58.861"W	3833.11	150.642	1.62	-1.24	1.04	
10694.00	89.630	164.430	6478.35	3858.03	-3431.90	1906.28	1678214.62	14296911.54	39°22'14.283"N	80°51'58.193"W	3925.79	150.950	2.15	0.72	2.03	
10789.00	89.480	164.160	6479.09	3952.93	-3523.35	1932.00	1678240.32	14296820.13	39°22'13.379"N	80°51'57.876"W	4018.28	151.262	1.52	-0.16	-0.28	
10883.00	90.650	164.980	6478.98	4046.80	-3613.96	1957.01	1678265.32	14296729.55	39°22'12.483"N	80°51'57.256"W	4109.81	151.564	1.52	1.24	0.87	
10978.00	90.580	165.020	6477.96	4141.63	-3705.71	1981.59	1678289.90	14296637.83	39°22'11.576"N	80°51'57.565"W	4202.26	151.865	1.51	-0.07	0.04	
11072.00	90.220	164.870	6477.30	4235.46	-3796.48	2006.01	1678314.30	14296547.10	39°22'10.679"N	80°51'57.256"W	4293.87	152.149	0.41	-0.38	-0.16	
11168.00	91.380	164.840	6475.96	4331.30	-3889.14	2031.09	1678339.37	14296454.48	39°22'09.762"N	80°51'56.938"W	4387.56	152.424	1.21	1.21	-0.03	
11263.00	88.620	163.030	6475.96	4426.21	-3980.42	2057.37	1678365.65	14296363.24	39°22'08.860"N	80°51'56.605"W	4480.68	152.667	3.47	-2.91	-1.91	
11358.00	89.760	162.310	6477.29	4521.18	-4071.09	2085.67	1678393.93	14296272.60	39°22'07.963"N	80°51'56.246"W	4574.25	152.873	1.44	1.22	-0.76	
11453.00	89.510	160.580	6477.88	4616.17	-4161.15	2115.90	1678424.15	14296182.58	39°22'07.073"N	80°51'55.863"W	4668.21	153.047	1.84	-0.28	-1.82	
11548.00	89.820	160.560	6478.43	4711.16	-4250.74	2147.50	1678455.74	14296093.02	39°22'06.187"N	80°51'55.463"W	4762.41	153.197	0.33	0.33	-0.02	
11643.00	89.690	160.560	6478.84	4806.14	-4340.32	2179.11	1678487.34	14296003.48	39°22'05.301"N	80°51'55.062"W	4856.64	153.340	0.14	-0.14	0.00	
11737.00	90.090	161.590	6479.02	4900.13	-4429.24	2209.60	1678517.82	14295914.80	39°22'04.422"N	80°51'54.675"W	4949.80	153.487	1.18	0.43	1.10	
11833.00	90.620	160.190	6478.42	4996.12	-4519.94	2241.03	1678549.23	14295823.93	39°22'03.525"N	80°51'54.277"W	5045.01	153.627	1.56	0.55	-1.46	
11928.00	90.290	159.580	6477.78	5091.08	-4609.14	2273.71	1678581.90	14295734.77	39°22'02.643"N	80°51'53.862"W	5139.45	153.743	0.77	-0.39	-0.66	
12023.00	89.660	160.860	6477.78	5186.04	-4698.53	2305.88	1678614.05	14295645.41	39°22'01.759"N	80°51'53.455"W	5233.85	153.860	1.50	-0.62	1.37	
12118.00	90.220	160.920	6477.88	5281.04	-4788.29	2336.98	1678645.14	14295555.69	39°22'00.871"N	80°51'53.060"W	5328.15	153.985	0.59	0.59	0.06	
12214.00	90.890	160.540	6476.95	5374.02	-4878.91	2368.66	1678676.81	14295465.11	39°21'59.975"N	80°51'52.659"W	5423.49	154.104	0.80	-0.40	-0.40	
12309.00	90.090	161.290	6476.14	5472.01	-4968.68	2399.72	1678707.86	14295375.37	39°21'59.087"N	80°51'52.265"W	5517.83	154.221	1.15	-0.84	0.79	
12404.00	90.710	162.630	6475.47	5567.00	-5059.01	2429.14	1678737.26	14295285.08	39°21'58.194"N	80°51'51.892"W	5611.97	154.352	1.55	0.65	1.41	
12499.00	91.100	162.300	6473.96	5661.98	-5149.58	2457.76	1678765.87	14295194.54	39°21'57.298"N	80°51'51.529"W	5706.03	154.486	0.55	0.42	-0.35	





# Actual Wellpath Report

Gabtalalek Unit 1H AWP Proj: 18520'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #14
Operator	ANTERO RESOURCES CORPORATION	Well	Gabtalalek Unit 1H
Area	Tyler County, WV	Wellbore	Gabtalalek Unit 1H AWB
Field	Tyler		
Facility	Dawson Pad		

WELLPATH DATA (214 stations)																
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	°	ft/100ft	ft/100ft	ft/100ft	
12894.00	89.820	161.330	6473.19	5736.97	-5239.83	2487.40	1676795.51	14295104.33	39°21'56.406"N	80°51'51.154"W	5800.26	154.606	1.70	-1.36	-1.02	
12689.00	90.580	161.900	6472.86	5851.97	-5329.98	2517.36	1676825.46	14295014.22	39°21'55.515"N	80°51'50.774"W	5894.56	154.718	1.00	0.80	0.60	
12785.00	90.860	161.120	6471.65	5947.96	-5421.02	2547.81	1676855.89	14294923.22	39°21'54.614"N	80°51'50.388"W	5989.89	154.827	0.86	0.29	-0.81	
12981.00	91.020	160.260	6470.08	6043.93	-5511.60	2579.55	1676887.61	14294832.67	39°21'53.719"N	80°51'49.986"W	6085.38	154.919	0.91	0.17	-0.90	
12975.00	89.880	160.140	6469.34	6137.90	-5600.04	2611.39	16768919.44	14294744.26	39°21'52.844"N	80°51'49.582"W	6178.98	155.000	1.22	-1.21	-0.13	
13070.00	90.220	161.430	6469.26	6232.89	-5689.75	2642.65	1676950.69	14294654.59	39°21'51.957"N	80°51'49.186"W	6273.50	155.087	1.40	0.36	1.36	
13167.00	90.310	161.220	6468.81	6329.89	-5781.64	2673.71	1676981.74	14294562.74	39°21'51.048"N	80°51'48.792"W	6369.93	155.182	0.24	0.09	-0.22	
13261.00	90.710	162.180	6467.97	6423.88	-5870.88	2703.23	1679011.24	14294473.53	39°21'50.166"N	80°51'48.418"W	6463.33	155.276	1.11	0.43	1.02	
13356.00	90.620	163.320	6466.87	6518.86	-5961.60	2731.96	1679039.40	14294382.85	39°21'49.289"N	80°51'48.061"W	6557.53	155.384	1.20	-0.09	1.20	
13452.00	90.370	163.310	6466.04	6614.81	-6053.55	2758.96	1679066.95	14294290.93	39°21'48.359"N	80°51'47.712"W	6652.62	155.498	0.26	-0.26	-0.01	
13549.00	90.430	163.420	6465.36	6711.76	-6146.49	2786.72	1679094.71	14294198.03	39°21'47.440"N	80°51'47.360"W	6748.72	155.611	0.13	0.06	0.11	
13644.00	90.430	162.750	6464.65	6806.73	-6237.38	2814.36	1679122.34	14294107.18	39°21'46.542"N	80°51'47.010"W	6842.92	155.715	0.71	0.00	-0.71	
13741.00	90.890	162.930	6463.53	6903.70	-6330.05	2842.98	1679150.94	14294014.54	39°21'45.625"N	80°51'46.647"W	6939.17	155.814	0.51	0.47	0.19	
13836.00	91.320	162.510	6461.70	6998.66	-6420.75	2871.19	1679179.14	14293923.88	39°21'44.729"N	80°51'46.290"W	7033.47	155.907	0.63	0.45	-0.44	
13930.00	90.180	161.330	6460.47	7092.65	-6510.10	2900.36	1679208.30	14293834.57	39°21'43.845"N	80°51'45.920"W	7126.95	155.986	1.75	-1.21	-1.26	
14026.00	89.850	160.850	6460.45	7188.65	-6600.91	2931.48	1679233.40	14293743.79	39°21'42.947"N	80°51'45.526"W	7222.58	156.054	0.61	-0.34	-0.34	
14120.00	90.150	160.240	6460.45	7282.63	-6689.55	2962.78	1679270.70	14293655.19	39°21'42.071"N	80°51'45.129"W	7316.29	156.112	0.72	0.32	-0.65	
14215.00	90.120	159.820	6460.22	7377.59	-6778.83	2995.23	1679303.13	14293565.94	39°21'41.188"N	80°51'44.718"W	7411.07	156.162	0.44	-0.03	-0.44	
14311.00	90.430	160.420	6459.76	7473.56	-6869.11	3027.87	1679335.76	14293475.70	39°21'40.295"N	80°51'44.304"W	7506.84	156.212	0.70	0.32	0.62	
14406.00	90.310	161.760	6459.15	7568.55	-6958.98	3058.66	1679366.53	14293385.87	39°21'39.406"N	80°51'43.914"W	7601.50	156.273	1.42	-0.13	1.41	
14501.00	90.650	160.850	6458.35	7663.54	-7048.96	3089.11	1679396.97	14293295.92	39°21'38.516"N	80°51'43.528"W	7696.13	156.335	1.02	0.36	-0.96	
14596.00	90.710	160.930	6457.22	7758.53	-7138.72	3120.21	1679428.06	14293206.20	39°21'37.629"N	80°51'43.134"W	7790.83	156.391	0.11	0.06	0.08	
14691.00	89.750	159.090	6456.84	7853.49	-7227.99	3152.68	1679460.52	14293116.96	39°21'36.746"N	80°51'42.722"W	7885.64	156.434	2.18	-1.01	-1.94	
14786.00	89.230	159.240	6457.69	7948.40	-7316.78	3186.47	1679494.29	14293028.21	39°21'35.868"N	80°51'42.293"W	7980.53	156.467	0.57	-0.55	0.16	
14881.00	89.660	159.910	6458.61	8043.33	-7405.80	3219.62	1679527.43	14292939.23	39°21'34.967"N	80°51'41.873"W	8075.38	156.503	0.84	0.45	0.71	
14975.00	89.820	160.000	6459.04	8137.29	-7494.10	3251.84	1679559.64	14292850.96	39°21'34.114"N	80°51'41.465"W	8169.21	156.543	0.20	0.17	0.10	
15069.00	89.820	160.310	6459.33	8231.26	-7582.52	3283.75	1679591.54	14292762.58	39°21'33.240"N	80°51'41.060"W	8263.03	156.584	0.33	0.00	0.33	
15164.00	89.630	160.300	6459.79	8326.23	-7671.96	3315.77	1679623.54	14292673.17	39°21'32.355"N	80°51'40.654"W	8357.83	156.626	0.20	-0.20	-0.01	
15259.00	89.720	160.750	6460.33	8421.21	-7761.53	3347.44	1679655.20	14292583.64	39°21'31.470"N	80°51'40.253"W	8452.61	156.670	0.48	0.09	0.47	
15356.00	90.030	161.640	6460.54	8518.21	-7853.35	3378.71	1679686.45	14292491.86	39°21'30.562"N	80°51'39.856"W	8549.31	156.721	0.97	0.32	0.92	



# Actual Wellpath Report

Gabtalalek Unit 1H AWP Proj: 18520'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #14
Operator	ANTERO RESOURCES CORPORATION	Well	Gabtalalek Unit 1H
Area	Tyler County, WV	Wellbore	Gabtalalek Unit 1H AWB
Field	Tyler		
Facility	Dawson Pad		

WELLPATH DATA (214 stations)																			
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)	(°)	(ft/100ft)	(ft/100ft)	(ft/100ft)				
15452.00	89.910	160.910	6160.59	8614.21	-7944.27	3409.52	16797.1726	14292400.98	39°21'29.663"N	80°51'39.466"W	8645.01	156.772	0.77	-0.12	-0.76				
15548.00	89.660	160.410	6460.95	8710.19	-8034.85	3441.32	16797.49.04	14292310.43	39°21'28.767"N	80°51'39.063"W	8740.79	156.815	0.58	-0.26	-0.52				
15642.00	89.230	160.470	6461.86	8804.17	-8123.42	3472.79	16797.80.49	14292221.90	39°21'27.891"N	80°51'38.664"W	8834.60	156.853	0.46	-0.46	-0.06				
15739.00	89.660	162.410	6462.80	8901.16	-8215.36	3503.66	16798.11.35	14292129.99	39°21'26.982"N	80°51'38.273"W	8931.28	156.903	2.05	0.44	2.00				
15834.00	90.680	162.827	6462.52	8996.14	-8306.02	3532.04	16798.39.73	14292039.36	39°21'26.085"N	80°51'37.913"W	9025.81	156.963	1.16	1.07	0.43				
15929.00	90.250	162.010	6461.74	9091.13	-8396.58	3560.74	16798.68.42	14291948.84	39°21'25.180"N	80°51'37.550"W	9120.39	157.020	0.97	-0.45	-0.85				
16025.00	89.660	162.200	6461.82	9187.13	-8487.93	3590.24	16798.99.90	14291857.52	39°21'24.286"N	80°51'37.176"W	9216.01	157.073	0.65	-0.61	0.20				
16121.00	90.120	162.320	6462.00	9283.12	-8579.37	3619.49	16799.27.14	14291766.13	39°21'23.382"N	80°51'36.805"W	9311.62	157.126	0.50	0.48	0.13				
16216.00	89.320	160.800	6462.47	9378.12	-8669.49	3649.54	16799.57.18	14291676.04	39°21'22.491"N	80°51'36.425"W	9406.34	157.171	1.81	-0.84	-1.60				
16311.00	89.660	161.140	6463.31	9473.11	-8759.29	3680.51	16799.88.14	14291586.28	39°21'21.603"N	80°51'36.032"W	9501.12	157.209	0.51	0.38	0.36				
16407.00	89.850	161.930	6463.73	9569.10	-8850.35	3710.92	16800.18.53	14291498.26	39°21'20.703"N	80°51'35.647"W	9596.85	157.252	0.85	0.20	0.82				
16501.00	89.510	162.540	6464.25	9663.10	-8939.86	3739.60	16800.47.20	14291408.78	39°21'19.818"N	80°51'35.283"W	9690.50	157.300	0.74	-0.36	0.65				
16597.00	89.750	163.160	6464.48	9769.07	-9031.59	3767.91	16800.75.50	14291314.08	39°21'18.910"N	80°51'34.925"W	9786.05	157.355	0.98	0.74	0.65				
16691.00	89.280	163.730	6464.50	9853.02	-9121.70	3794.69	16801.02.27	14291224.02	39°21'18.020"N	80°51'34.586"W	9879.53	157.412	0.79	-0.50	0.61				
16787.00	89.230	163.490	6465.36	9948.96	-9213.79	3821.78	16801.29.35	14291131.96	39°21'17.109"N	80°51'34.243"W	9974.97	157.472	0.60	-0.54	-0.25				
16882.00	90.280	161.910	6465.76	10043.94	-9304.49	3850.03	16801.57.58	14291041.30	39°21'16.212"N	80°51'33.885"W	10069.57	157.521	2.00	1.11	-1.66				
16977.00	89.880	160.010	6465.63	10138.93	-9394.29	3881.02	16801.88.56	14290951.54	39°21'15.324"N	80°51'33.492"W	10164.39	157.553	2.04	-0.42	-2.00				
17072.00	90.310	158.810	6465.47	10233.86	-9483.22	3914.43	16802.21.96	14290862.64	39°21'14.445"N	80°51'33.069"W	10259.34	157.570	1.34	0.45	-1.26				
17168.00	90.340	158.240	6464.93	10329.71	-9572.55	3949.57	16802.57.09	14290773.34	39°21'13.561"N	80°51'32.623"W	10355.33	157.579	0.59	0.03	-0.59				
17264.00	89.660	159.240	6464.90	10425.59	-9662.01	3984.38	16802.91.88	14290683.91	39°21'12.676"N	80°51'32.182"W	10451.31	157.590	1.24	-0.68	1.04				
17358.00	88.740	160.350	6466.19	10519.53	-9750.22	4016.84	16803.24.33	14290595.75	39°21'11.804"N	80°51'31.770"W	10545.23	157.610	1.55	-1.01	1.18				
17453.00	87.570	163.660	6469.25	10614.47	-9840.52	4046.15	16803.53.63	14290505.48	39°21'10.911"N	80°51'31.399"W	10639.88	157.649	3.71	-1.23	3.51				
17549.00	89.880	167.800	6471.39	10710.17	-9933.51	4089.79	16803.77.28	14290412.53	39°21'09.992"N	80°51'31.100"W	10734.89	157.721	4.92	2.41	4.29				
17644.00	90.280	169.190	6471.25	10804.48	-10026.60	4088.74	16803.96.20	14290319.48	39°21'09.071"N	80°51'30.860"W	10828.22	157.815	1.52	0.42	1.46				
17739.00	90.000	169.620	6471.02	10898.60	-10119.98	4106.20	16804.13.66	14290228.14	39°21'08.148"N	80°51'30.640"W	10921.30	157.915	0.54	-0.29	0.45				
17834.00	90.890	168.610	6470.28	10992.39	-10213.26	4124.14	16804.31.59	14290132.89	39°21'07.226"N	80°51'30.413"W	11014.50	158.011	1.42	0.94	-1.06				
17930.00	90.280	164.650	6469.30	11088.38	-10306.64	4146.33	16804.53.77	14290039.55	39°21'06.303"N	80°51'30.133"W	11109.40	158.085	4.17	-0.64	-4.13				
18025.00	90.550	162.370	6468.61	11183.33	-10397.72	4173.30	16804.80.73	14289948.50	39°21'05.402"N	80°51'29.791"W	11203.97	158.131	2.42	0.28	-2.40				
18125.00	91.020	161.040	6467.24	11283.32	-10482.66	4204.68	16805.12.10	14289853.61	39°21'04.483"N	80°51'29.394"W	11303.77	158.163	1.41	0.47	-1.33				
18216.00	90.830	156.970	6465.77	11374.19	-10577.59	4237.28	16805.44.63	14289768.71	39°21'03.623"N	80°51'28.981"W	11394.73	158.169	4.48	-0.21	-4.47				





# Actual Wellpath Report

Gabtalalek Unit 1H AWP Proj: 18520'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #14
Area	Tyler County, WV	Well	Gabtalalek Unit 1H
Field	Tyler	Wellbore	Gabtalalek Unit 1H AWB
Facility	Dawson Pad		

WELLPATH DATA (214 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
18311.00	90.740	156.970	6464.47	11468.87	-10665.01	4274.44	1680581.83	14289681.33	39°21'02.759"N	80°51'28.509"W	11489.70	158.160	0.09	-0.09	0.00	
18405.00	90.030	156.110	6463.84	11562.50	-10751.23	4311.86	1680619.23	14289595.13	39°21'01.906"N	80°51'28.035"W	11583.66	158.146	1.19	-0.76	-0.91	
18495.00	90.150	155.950	6463.70	11652.07	-10833.47	4348.42	1680656.78	14289512.93	39°21'01.092"N	80°51'27.571"W	11673.60	158.130	0.22	0.13	-0.18	
18520.00	90.150	155.950	6463.63	11676.95	-10856.30	4358.61	1680665.97	14289490.11	39°21'00.867"N	80°51'27.442"W	11698.58	158.125	0.00	0.00	0.00	Projected MD at TD: 18520'

HOLE & CASING SECTIONS - Ref Wellbore: Gabtalalek Unit 1H AWB																
String/Diameter	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start NIS (ft)	Start EW (ft)	End NIS (ft)	End EW (ft)							
20in Conductor	30.00	110.00	80.00	30.00	110.00	0.00	0.00	-0.12	0.09							
17.5in Open Hole	110.00	574.00	464.00	110.00	573.99	-0.12	0.09	-2.40	2.20							
13.375in Casing Surface	30.00	574.00	544.00	30.00	573.99	0.00	0.00	-2.40	2.20							
12.25in Open Hole	574.00	2603.00	2029.00	573.99	2577.55	-2.40	2.20	250.48	157.65							
9.625in Casing Intermediate	30.00	2603.00	2573.00	30.00	2577.55	0.00	0.00	250.48	157.65							
8.75in Open Hole	2603.00	6257.00	3654.00	2577.55	6160.87	250.48	157.65	645.58	490.03							
8.5in Open Hole	6257.00	18520.00	12263.00	6160.87	6463.63	645.58	490.03	-10856.30	4358.61							
5.5in Casing Production	30.00	18520.00	18490.00	30.00	6463.63	0.00	0.00	-10856.30	4358.61							



# Actual Wellpath Report

Gabtalalek Unit 1H AWP Proj: 18520'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #14
Area	Tyler County, WV	Well	Gabtalalek Unit 1H
Field	Tyler	Wellbore	Gabtalalek Unit 1H AWB
Facility	Dawson Pad		

TARGETS								
Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
Gabtalalek Unit 1H - POE - Rev-2	6480.00	233.67	660.00	1676968.84	14300575.64	39°22'50.530"N	80°52'14.321"W	point
Gabtalalek Unit 1H - BHL - Rev-2	6505.00	-10856.16	4347.08	1680654.44	14289490.25	39°21'00.868"N	80°51'27.588"W	point
Gabtalalek Unit 1H - LP - Rev-2	6505.00	43.31	723.29	1677032.10	14300385.35	39°22'48.648"N	80°52'13.518"W	point

WELLPATH COMPOSITION - Ref Wellbore: Gabtalalek Unit 1H AWB				Ref Wellpath: Gabtalalek Unit 1H AWP Proj: 18520'			
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore			
30.00	558.00	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MIS Gyro <1/7-1/2"><1100'-5.43'	Gabtalalek Unit 1H AWB			
558.00	2534.00	OWSG MWD rev2 + HRGM	02 WFT EM <12-1/4"><6.43"><673'-2519'	Gabtalalek Unit 1H AWB			
2534.00	6183.00	OWSG MWD rev2 + HRGM	03 WFT EM <8-3/4"><2519"><2649'-6168'	Gabtalalek Unit 1H AWB			
6183.00	18495.00	BH AutoTrak Curve (Short)	04 BH AT Curve <8-1/2"><6183"><6223'-18495'	Gabtalalek Unit 1H AWB			
18495.00	18520.00	Blind Drilling (std)	Projection to bit	Gabtalalek Unit 1H AWB			





# Actual Wellpath Report

Gabtalalek Unit 1H AWP Prof: 18520'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #14
Area	Tyler County, WV	Well	Gabtalalek Unit 1H
Field	Tyler	Wellbore	Gabtalalek Unit 1H AWB
Facility	Dawson Pad		

**COMMENTS**

Wellpath general comments  
 API: 47-095-02580-0000  
 BHI Job #: 109909383A  
 Rig: H&P 519  
 Duration: 08/18/2019-08/20/2019  
 Gyrodatta MS Gyro <17-1/2">(100'-543')  
 WFT EM <12-1/4">(543)(573'-2519')  
 WFT EM <8-3/4">(2519)(2649-6168')  
 BH AT Curve <8-1/2"> (6183)(6223-18495')  
 Middlesex: 6433' MD  
 Burkett: 6664' MD  
 Tully: 6750' MD  
 Marcellus POE: 6845' MD  
 Projected MD at TD: 18520'