



Actual Wellpath Report

Vanderbilt 8H AWP Proj: 20596'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 8H
Field	Marion	API	47-049-02537-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 8H AWB
Slot	Slot #08		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999942	Report Generated	1/13/2025 at 10:58:12 AM
Convergence at slot	0.62° West	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	0.00	0.00	1725043.86	382844.29	39°32'49.3256"N	80°28'30.1936"W
Facility Reference Pt			1725043.86	382844.29	39°32'49.3256"N	80°28'30.1936"W
Field Reference Pt			1931053.01	433518.91	39°41'24.0000"N	79°44'42.0000"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 294 (RKB) to Facility Vertical Datum	1386.00ft
Horizontal Reference Pt	Slot	Patterson 294 (RKB) to Mean Sea Level	1386.00ft
Vertical Reference Pt	Patterson 294 (RKB)	Patterson 294 (RKB) to Ground Level at Slot (Slot #08)	28.00ft
MD Reference Pt	Patterson 294 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	154.72°

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WELLPATH DATA (230 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]
0.00†	0.000	253.470	0.00	0.00	0.00	0.00	1725043.86	382844.29	39°32'49.3256"N	80°28'30.1936"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	253.470	28.00	0.00	0.00	0.00	1725043.86	382844.29	39°32'49.3256"N	80°28'30.1936"W	0.00	0.000	0.00	0.00	0.00
115.00	0.120	253.470	115.00	-0.01	-0.03	-0.09	1725043.77	382844.26	39°32'49.3253"N	80°28'30.1947"W	0.09	253.470	0.14	0.14	0.00
215.00	0.150	244.010	215.00	-0.03	-0.11	-0.31	1725043.55	382844.18	39°32'49.3244"N	80°28'30.1975"W	0.33	249.682	0.04	0.03	-9.46
315.00	0.170	252.870	315.00	-0.05	-0.21	-0.56	1725043.30	382844.08	39°32'49.3234"N	80°28'30.2006"W	0.60	249.237	0.03	0.02	8.86
415.00	0.160	253.470	415.00	-0.09	-0.30	-0.84	1725043.02	382843.99	39°32'49.3225"N	80°28'30.2043"W	0.89	250.504	0.01	-0.01	0.60
515.00	0.160	258.430	515.00	-0.14	-0.37	-1.11	1725042.75	382843.92	39°32'49.3218"N	80°28'30.2078"W	1.17	251.801	0.01	0.00	4.96
615.00	0.160	321.250	615.00	-0.31	-0.28	-1.34	1725042.52	382844.01	39°32'49.3226"N	80°28'30.2106"W	1.37	257.976	0.17	0.00	62.82
715.00	0.140	331.990	715.00	-0.57	-0.07	-1.48	1725042.38	382844.22	39°32'49.3247"N	80°28'30.2125"W	1.48	267.383	0.03	-0.02	10.74
815.00	0.110	348.120	815.00	-0.79	0.13	-1.56	1725042.30	382844.42	39°32'49.3267"N	80°28'30.2135"W	1.56	274.924	0.05	-0.03	16.13
915.00	0.120	10.280	915.00	-0.96	0.33	-1.56	1725042.30	382844.62	39°32'49.3287"N	80°28'30.2136"W	1.59	281.997	0.05	0.01	22.16
1015.00	0.020	356.890	1015.00	-1.07	0.45	-1.54	1725042.32	382844.74	39°32'49.3299"N	80°28'30.2134"W	1.61	286.338	0.10	-0.10	-13.39
1115.00	0.050	286.650	1115.00	-1.11	0.48	-1.58	1725042.28	382844.77	39°32'49.3301"N	80°28'30.2139"W	1.65	286.916	0.05	0.03	-70.24
1215.00	0.150	264.840	1215.00	-1.23	0.53	-1.75	1725042.11	382844.82	39°32'49.3306"N	80°28'30.2161"W	1.83	286.761	0.10	0.10	-1.81
1315.00	0.260	315.640	1315.00	-1.52	0.72	-2.04	1725041.82	382845.01	39°32'49.3326"N	80°28'30.2197"W	2.18	289.551	0.15	0.11	30.80
1415.00	0.270	317.530	1415.00	-1.96	1.06	-2.35	1725041.51	382845.35	39°32'49.3358"N	80°28'30.2238"W	2.58	294.223	0.01	0.01	1.89
1515.00	0.320	318.960	1514.99	-2.46	1.44	-2.70	1725041.16	382845.73	39°32'49.3395"N	80°28'30.2283"W	3.06	298.161	0.05	0.05	1.43
1615.00	0.320	314.720	1614.99	-2.99	1.85	-3.08	1725040.78	382846.14	39°32'49.3435"N	80°28'30.2332"W	3.59	301.013	0.02	0.00	-4.24
1715.00	0.280	306.510	1714.99	-3.47	2.19	-3.47	1725040.39	382846.48	39°32'49.3469"N	80°28'30.2383"W	4.11	302.263	0.06	-0.04	-8.21
1815.00	0.400	305.750	1814.98	-3.99	2.54	-3.95	1725039.91	382846.83	39°32'49.3503"N	80°28'30.2445"W	4.70	302.742	0.12	0.12	-0.76
1915.00	0.410	301.090	1914.99	-4.59	2.93	-4.54	1725039.32	382847.22	39°32'49.3540"N	80°28'30.2520"W	5.41	302.827	0.03	0.01	-4.66
2015.00	0.520	278.160	2014.98	-5.14	3.18	-5.30	1725038.56	382847.47	39°32'49.3564"N	80°28'30.2617"W	6.18	300.970	0.21	0.11	-22.93
2115.00	0.590	276.010	2114.98	-5.66	3.30	-6.26	1725037.60	382847.59	39°32'49.3575"N	80°28'30.2740"W	7.08	297.785	0.07	0.07	-2.15
2215.00	0.590	278.380	2214.97	-6.21	3.43	-7.28	1725036.58	382847.72	39°32'49.3586"N	80°28'30.2871"W	8.05	295.206	0.02	0.00	2.37
2315.00	0.630	276.850	2314.97	-6.79	3.57	-8.34	1725035.52	382847.86	39°32'49.3599"N	80°28'30.3005"W	9.07	293.170	0.04	0.04	-1.53
2415.00	0.350	288.000	2414.96	-7.29	3.73	-9.17	1725034.69	382848.02	39°32'49.3614"N	80°28'30.3112"W	9.90	292.117	0.29	-0.28	11.15
2515.00	0.450	279.910	2514.96	-7.72	3.89	-9.85	1725034.01	382848.18	39°32'49.3629"N	80°28'30.3199"W	10.59	291.549	0.11	0.10	-8.09
2615.00	0.370	284.290	2614.96	-8.16	4.04	-10.55	1725033.31	382848.33	39°32'49.3643"N	80°28'30.3289"W	11.30	290.940	0.09	-0.08	4.38
2675.00	0.410	264.640	2674.96	-8.35	4.06	-10.95	1725032.91	382848.35	39°32'49.3648"N	80°28'30.3340"W	11.68	290.363	0.23	0.07	-32.75
2752.00	0.290	272.670	2751.96	-8.54	4.05	-11.42	1725032.44	382848.34	39°32'49.3643"N	80°28'30.3400"W	12.12	289.518	0.17	-0.16	10.43

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Slot	Slot #08		

WELLPATH DATA (230 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)
2794.00	0.380	268.290	2793.96	-8.64	4.05	-11.67	1725032.19	382848.34	39°32'49.3643"N	80°28'30.3431"W	12.35	289.141	0.22	0.21	-10.43
2837.00	1.130	297.290	2836.95	-9.04	4.24	-12.18	1725031.68	382848.53	39°32'49.3661"N	80°28'30.3498"W	12.90	289.182	1.90	1.74	67.44
2879.00	2.560	316.030	2878.93	-10.25	5.10	-13.20	1725030.66	382849.39	39°32'49.3746"N	80°28'30.3629"W	14.16	291.134	3.65	3.40	44.62
2921.00	3.990	322.870	2920.86	-12.57	6.94	-14.74	1725029.12	382851.23	39°32'49.3926"N	80°28'30.3827"W	16.29	295.229	3.52	3.40	16.29
2964.00	5.520	326.900	2963.71	-16.09	9.87	-16.77	1725027.09	382854.16	39°32'49.4213"N	80°28'30.4091"W	19.46	300.478	3.64	3.56	9.37
3007.00	7.250	329.700	3006.44	-20.84	13.95	-19.27	1725024.59	382858.24	39°32'49.4613"N	80°28'30.4415"W	23.79	305.894	4.09	4.02	6.51
3049.00	8.940	331.540	3048.02	-26.74	19.10	-22.16	1725021.70	382863.39	39°32'49.5120"N	80°28'30.4792"W	29.26	310.761	4.07	4.02	4.38
3093.00	10.710	335.190	3091.38	-34.24	25.82	-25.51	1725018.35	382870.11	39°32'49.5780"N	80°28'30.5228"W	36.29	315.350	4.26	4.02	8.30
3136.00	12.320	337.290	3133.51	-42.82	33.68	-28.95	1725014.91	382877.97	39°32'49.6553"N	80°28'30.5679"W	44.41	319.314	3.87	3.74	4.88
3180.00	13.650	339.480	3176.38	-52.68	42.87	-32.59	1725011.27	382887.18	39°32'49.7458"N	80°28'30.6158"W	53.85	322.762	3.22	3.02	4.98
3223.00	13.950	339.970	3218.14	-62.90	52.49	-36.14	1725007.72	382896.78	39°32'49.8405"N	80°28'30.6623"W	63.73	325.454	0.75	0.70	1.14
3266.00	14.460	341.620	3259.83	-73.39	62.46	-39.61	1725004.25	382906.75	39°32'49.9386"N	80°28'30.7079"W	73.96	327.619	1.51	1.19	3.84
3350.00	14.590	341.980	3341.14	-94.30	82.47	-46.19	1724997.67	382926.76	39°32'50.1357"N	80°28'30.7947"W	94.52	330.749	0.19	0.15	0.43
3435.00	14.460	341.460	3423.43	-115.46	102.71	-52.87	1724990.99	382947.00	39°32'50.3350"N	80°28'30.8828"W	115.52	332.762	0.22	-0.18	-0.61
3521.00	13.940	338.920	3506.80	-136.45	122.56	-60.01	1724983.85	382966.85	39°32'50.5304"N	80°28'30.9767"W	136.46	333.910	0.94	-0.60	-2.95
3606.00	13.720	340.360	3589.33	-156.69	141.61	-67.08	1724976.78	382985.90	39°32'50.7179"N	80°28'31.0696"W	156.69	334.651	0.48	-0.26	1.69
3691.00	13.800	342.250	3671.90	-176.78	160.76	-73.56	1724970.30	383005.05	39°32'50.9065"N	80°28'31.1550"W	176.79	335.411	0.54	0.09	2.22
3778.00	13.180	340.110	3756.50	-196.94	179.97	-80.10	1724963.76	383024.25	39°32'51.0956"N	80°28'31.2411"W	196.99	336.006	0.91	-0.71	-2.46
3863.00	13.310	339.420	3839.23	-216.34	198.24	-86.84	1724957.02	383042.53	39°32'51.2755"N	80°28'31.3296"W	216.42	336.344	0.24	0.15	-0.81
3948.00	13.730	339.340	3921.88	-236.14	216.84	-93.84	1724950.02	383061.13	39°32'51.4585"N	80°28'31.4215"W	236.27	336.599	0.49	0.49	-0.09
4034.00	13.990	337.980	4005.37	-256.69	236.02	-101.33	1724942.53	383080.31	39°32'51.6474"N	80°28'31.5199"W	256.86	336.764	0.48	0.30	-1.58
4119.00	14.520	336.970	4087.76	-277.60	255.35	-109.36	1724934.50	383099.64	39°32'51.8376"N	80°28'31.6250"W	277.78	336.817	0.69	0.62	-1.19
4204.00	14.170	335.720	4170.11	-298.65	274.64	-117.80	1724926.06	383118.93	39°32'52.0273"N	80°28'31.7355"W	298.84	336.784	0.55	-0.41	-1.47
4291.00	13.640	334.290	4254.56	-319.55	293.59	-126.63	1724917.23	383137.88	39°32'52.2136"N	80°28'31.8508"W	319.74	336.669	0.73	-0.61	-1.64
4377.00	13.380	334.340	4338.18	-339.64	311.70	-135.34	1724908.52	383155.99	39°32'52.3916"N	80°28'31.9645"W	339.81	336.530	0.30	-0.30	0.06
4463.00	13.640	336.980	4421.80	-359.73	330.00	-143.61	1724900.25	383174.29	39°32'52.5716"N	80°28'32.0727"W	359.90	336.482	0.78	0.30	3.07
4549.00	13.950	340.440	4505.32	-380.17	349.10	-151.05	1724892.81	383193.39	39°32'52.7596"N	80°28'32.1702"W	380.38	336.603	1.02	0.36	4.02
4634.00	14.030	340.330	4587.80	-400.62	368.46	-157.95	1724885.91	383212.75	39°32'52.9502"N	80°28'32.2610"W	400.89	336.797	0.10	0.09	-0.13
4720.00	14.470	338.410	4671.15	-421.72	388.27	-165.41	1724878.45	383232.56	39°32'53.1451"N	80°28'32.3590"W	422.03	336.925	0.75	0.51	-2.23
4806.00	14.640	337.440	4754.39	-443.30	408.29	-173.53	1724870.33	383252.58	39°32'53.3422"N	80°28'32.4655"W	443.64	336.974	0.35	0.20	-1.13

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4892.00	14.970	338.750	4837.54	-465.23	428.68	-181.73	1724862.13	383272.97	39°32'53.5428"N	80°28'32.5729"W	465.61	337.027	0.55	0.38	1.52
4967.00	14.950	341.150	4910.00	-484.51	446.87	-188.37	1724855.50	383291.16	39°32'53.7218"N	80°28'32.6601"W	484.94	337.143	0.83	-0.03	3.20
5052.00	14.920	340.390	4992.13	-506.29	467.55	-195.58	1724848.28	383311.84	39°32'53.9255"N	80°28'32.7551"W	506.81	337.300	0.23	-0.04	-0.89
5139.00	15.130	338.950	5076.15	-528.76	488.70	-203.42	1724840.44	383332.99	39°32'54.1336"N	80°28'32.8581"W	529.34	337.401	0.49	0.24	-1.66
5223.00	15.670	338.730	5157.13	-551.01	509.60	-211.47	1724832.39	383353.79	39°32'54.3384"N	80°28'32.9638"W	551.64	337.459	0.65	0.64	-0.26
5308.00	15.330	338.520	5239.04	-573.67	530.65	-219.75	1724824.11	383374.94	39°32'54.5465"N	80°28'33.0724"W	574.35	337.505	0.41	-0.40	-0.25
5393.00	14.770	338.440	5321.13	-595.70	551.18	-227.84	1724816.02	383395.47	39°32'54.7486"N	80°28'33.1786"W	596.42	337.541	0.66	-0.66	-0.09
5479.00	13.190	337.570	5404.58	-616.44	570.45	-235.62	1724808.24	383414.74	39°32'54.9382"N	80°28'33.2805"W	617.19	337.558	1.85	-1.84	-1.01
5565.00	12.340	337.140	5488.45	-635.42	587.99	-242.93	1724800.93	383432.28	39°32'55.1107"N	80°28'33.3763"W	636.20	337.552	0.99	-0.99	-0.50
5649.00	12.330	336.050	5570.51	-653.35	604.48	-250.06	1724793.80	383448.74	39°32'55.2727"N	80°28'33.4896"W	654.14	337.525	0.28	-0.01	-1.30
5736.00	13.130	337.230	5655.37	-672.51	622.06	-257.65	1724786.21	383466.35	39°32'55.4459"N	80°28'33.5690"W	673.31	337.501	0.97	0.92	1.36
5822.00	12.910	337.740	5739.16	-691.86	639.95	-265.07	1724778.79	383484.24	39°32'55.6219"N	80°28'33.6662"W	692.68	337.500	0.29	-0.26	0.59
5908.00	12.890	337.170	5822.99	-711.04	657.69	-272.44	1724771.43	383501.98	39°32'55.7964"N	80°28'33.7626"W	711.88	337.499	0.15	-0.02	-0.66
5995.00	13.590	336.740	5907.68	-730.95	676.02	-280.24	1724763.62	383520.31	39°32'55.9768"N	80°28'33.8647"W	731.80	337.484	0.81	0.80	-0.49
6079.00	13.480	337.790	5989.35	-750.59	694.15	-287.83	1724756.03	383538.44	39°32'56.1552"N	80°28'33.9642"W	751.48	337.478	0.32	-0.13	1.25
6165.00	13.350	340.260	6073.97	-770.71	712.99	-295.06	1724748.80	383557.28	39°32'56.3406"N	80°28'34.0591"W	771.64	337.519	0.68	-0.15	2.84
6253.00	13.490	339.210	6158.60	-790.83	731.93	-302.05	1724741.81	383576.22	39°32'56.5270"N	80°28'34.1510"W	791.81	337.575	0.32	0.16	-1.21
6339.00	14.160	340.940	6242.11	-811.29	751.25	-309.05	1724734.81	383595.54	39°32'56.7172"N	80°28'34.2430"W	812.34	337.639	0.92	0.78	2.01
6466.00	15.980	343.390	6364.73	-844.01	782.69	-319.12	1724724.74	383626.98	39°32'57.0269"N	80°28'34.3759"W	845.25	337.818	1.52	1.43	1.93
6550.00	16.790	343.770	6445.32	-867.43	805.42	-325.82	1724718.04	383649.71	39°32'57.2508"N	80°28'34.4645"W	868.83	337.975	0.97	0.95	0.45
6656.00	18.060	341.130	6546.46	-898.87	838.67	-335.41	1724708.45	383679.96	39°32'57.5487"N	80°28'34.5912"W	900.47	338.131	1.41	1.20	-2.49
6750.00	23.750	334.370	6634.25	-932.32	866.55	-348.32	1724695.54	383710.84	39°32'57.8526"N	80°28'34.7603"W	933.94	338.102	6.57	6.05	-7.19
6844.00	27.560	334.330	6718.96	-973.00	903.23	-365.94	1724677.92	383747.52	39°32'58.2132"N	80°28'34.9903"W	974.55	337.945	4.05	4.05	-0.04
6939.00	19.580	336.180	6805.97	-1010.96	937.66	-381.91	1724661.95	383781.95	39°32'58.5517"N	80°28'35.1990"W	1012.46	337.839	8.44	-8.40	1.95
7033.00	11.860	336.830	6896.38	-1036.39	960.99	-392.08	1724651.79	383805.28	39°32'58.7812"N	80°28'35.3320"W	1037.90	337.805	8.22	-8.21	0.80
7128.00	4.990	338.160	6990.30	-1050.29	973.82	-397.44	1724646.42	383818.11	39°32'58.9075"N	80°28'35.4023"W	1051.81	337.798	7.23	-7.23	1.29
7222.00	4.040	151.840	7084.20	-1051.06	974.70	-397.40	1724646.46	383818.99	39°32'58.9161"N	80°28'35.4019"W	1052.60	337.818	9.59	-1.01	184.77
7317.00	10.960	156.070	7178.33	-1038.68	963.48	-392.15	1724651.71	383807.77	39°32'58.8058"N	80°28'35.3333"W	1040.23	337.853	7.30	7.28	4.45
7411.00	16.580	157.430	7269.60	-1016.33	942.91	-383.37	1724660.49	383787.20	39°32'58.6035"N	80°28'35.2184"W	1017.87	337.874	5.99	5.98	1.45
7506.00	24.300	155.190	7358.55	-983.19	912.61	-369.95	1724673.91	383756.90	39°32'58.3054"N	80°28'35.0428"W	984.74	337.934	8.17	8.13	-2.36

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Facility	Vanderbilt Pad	Wellbore	Vanderbilt 8H AWB
Slot	Slot #08		

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7600.00	33.720	153.700	7440.66	-937.66	871.57	-350.23	1724693.63	383715.86	39°32'57.9019"N	80°28'34.7853"W	939.30	338.108	10.05	10.02	-1.59
7694.00	41.390	151.880	7515.13	-880.45	820.69	-323.98	1724719.88	383664.98	39°32'57.4019"N	80°28'34.4432"W	882.33	338.458	8.24	8.16	-1.94
7789.00	50.700	152.580	7581.00	-812.20	760.23	-292.18	1724751.68	383604.52	39°32'56.8078"N	80°28'34.0289"W	814.45	338.977	9.81	9.80	0.74
7883.00	56.260	152.770	7636.91	-736.74	693.14	-257.52	1724786.34	383537.43	39°32'56.1484"N	80°28'33.5771"W	739.44	339.619	5.92	5.91	0.20
7978.00	64.900	152.330	7683.53	-654.13	619.79	-219.40	1724824.46	383464.08	39°32'55.4275"N	80°28'33.0803"W	657.48	340.506	9.10	9.09	-0.46
8073.00	72.300	154.470	7718.18	-565.77	540.74	-179.86	1724864.00	383385.03	39°32'54.6505"N	80°28'32.5646"W	569.87	341.602	8.07	7.79	2.25
8168.00	79.860	154.310	7741.01	-473.62	457.65	-140.03	1724903.83	383301.94	39°32'53.8336"N	80°28'32.0447"W	478.60	342.987	7.96	7.96	-0.17
8262.00	88.440	153.870	7750.59	-380.21	373.62	-99.21	1724944.65	383217.91	39°32'53.0075"N	80°28'31.5119"W	386.57	345.129	9.14	9.13	-0.47
8357.00	89.490	155.110	7752.30	-285.23	287.90	-58.30	1724985.56	383132.19	39°32'52.1647"N	80°28'30.9778"W	293.74	348.551	1.71	1.11	1.31
8451.00	89.550	156.020	7753.09	-191.24	202.32	-19.42	1725024.44	383046.61	39°32'51.3231"N	80°28'30.4696"W	203.25	354.517	0.97	0.06	0.97
8546.00	89.760	156.690	7753.66	-96.28	115.30	18.68	1725062.54	382959.59	39°32'50.4671"N	80°28'29.9712"W	116.80	9.202	0.74	0.22	0.71
8641.00	89.850	156.210	7753.99	-1.33	28.21	56.63	1725100.49	382872.50	39°32'49.6105"N	80°28'29.4746"W	63.27	63.519	0.51	0.05	-0.51
8735.00	90.010	155.810	7754.10	92.65	-57.67	94.85	1725138.71	382786.62	39°32'48.7658"N	80°28'28.9748"W	111.01	121.298	0.46	0.17	-0.43
8830.00	89.880	155.800	7754.19	187.63	-144.32	133.79	1725177.65	382699.97	39°32'47.9135"N	80°28'28.4658"W	196.79	137.169	0.14	-0.14	-0.01
8924.00	89.300	155.260	7754.86	281.62	-229.88	172.72	1725216.58	382614.42	39°32'47.0722"N	80°28'27.9569"W	287.53	143.080	0.84	-0.62	-0.57
9018.00	89.140	155.270	7756.14	375.61	-315.24	212.05	1725255.91	382529.05	39°32'46.2327"N	80°28'27.4431"W	379.93	146.073	0.17	-0.17	0.01
9113.00	89.360	155.340	7757.39	470.59	-401.55	251.74	1725295.60	382442.74	39°32'45.3839"N	80°28'26.9245"W	473.93	147.916	0.24	0.23	0.07
9207.00	89.880	156.370	7758.01	564.57	-487.32	290.19	1725334.05	382356.97	39°32'44.5403"N	80°28'26.4219"W	567.18	149.227	1.23	0.55	1.10
9301.00	90.250	155.830	7757.90	658.54	-573.26	328.27	1725372.13	382271.03	39°32'43.6951"N	80°28'25.9238"W	660.60	150.203	0.70	0.39	-0.57
9395.00	89.910	155.260	7757.77	752.53	-658.83	367.18	1725411.04	382185.47	39°32'42.8536"N	80°28'25.4153"W	754.24	150.868	0.71	-0.36	-0.61
9489.00	89.850	155.560	7757.97	846.53	-744.30	406.30	1725450.16	382099.99	39°32'42.0130"N	80°28'24.9041"W	847.98	151.371	0.33	-0.06	0.32
9583.00	89.970	155.500	7758.12	940.52	-829.86	445.23	1725489.09	382014.43	39°32'41.1716"N	80°28'24.3953"W	941.75	151.786	0.14	0.13	-0.06
9677.00	90.000	155.730	7758.14	1034.51	-915.47	484.04	1725527.90	381928.82	39°32'40.3296"N	80°28'23.8880"W	1035.56	152.133	0.25	0.03	0.24
9771.00	90.000	155.520	7758.14	1128.49	-1001.09	522.84	1725566.70	381843.20	39°32'39.4875"N	80°28'23.3810"W	1129.40	152.423	0.22	0.00	-0.22
9865.00	90.000	155.780	7758.14	1222.48	-1086.73	561.60	1725605.45	381757.56	39°32'38.6453"N	80°28'22.8744"W	1223.26	152.671	0.28	0.00	0.28
9959.00	89.970	155.530	7758.17	1316.47	-1172.37	600.35	1725644.20	381671.92	39°32'37.8030"N	80°28'22.3679"W	1317.15	152.884	0.27	-0.03	-0.27
10054.00	89.970	155.390	7758.22	1411.46	-1258.79	639.80	1725683.66	381585.50	39°32'36.9531"N	80°28'21.8523"W	1412.06	153.057	0.15	0.00	-0.15
10148.00	89.820	155.820	7758.39	1505.45	-1344.40	678.63	1725722.48	381499.89	39°32'36.1112"N	80°28'21.3449"W	1505.97	153.216	0.48	-0.16	0.48
10242.00	89.940	155.110	7758.59	1599.44	-1429.91	717.66	1725761.52	381414.38	39°32'35.2702"N	80°28'20.8349"W	1599.90	153.348	0.77	0.13	-0.76
10336.00	89.080	155.440	7759.39	1693.43	-1515.29	756.97	1725800.83	381329.00	39°32'34.4306"N	80°28'20.3212"W	1693.84	153.455	0.98	-0.91	0.39

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10431.00	89.380	155.890	7760.67	1788.41	-1601.84	796.12	1725839.98	381242.45	39°32'33.5794"N	80°28'19.8096"W	1788.77	153.573	0.57	0.32	0.47
10525.00	89.630	155.100	7761.48	1882.40	-1687.37	835.10	1725878.96	381156.92	39°32'32.7383"N	80°28'19.3002"W	1882.71	153.669	0.88	0.27	-0.84
10620.00	89.230	154.300	7762.42	1977.39	-1773.25	875.70	1725919.56	381071.04	39°32'31.8938"N	80°28'18.7701"W	1977.69	153.718	0.94	-0.42	-0.84
10713.00	89.170	154.160	7763.72	2070.38	-1856.99	916.13	1725959.99	380987.30	39°32'31.0705"N	80°28'18.2425"W	2070.68	153.741	0.16	-0.06	-0.15
10807.00	89.350	154.350	7764.94	2164.37	-1941.66	956.96	1726000.81	380902.64	39°32'30.2381"N	80°28'17.7097"W	2164.67	153.763	0.28	0.19	0.20
10901.00	89.320	154.690	7766.03	2258.36	-2026.51	997.39	1726041.25	380817.79	39°32'29.4038"N	80°28'17.1818"W	2258.66	153.795	0.36	-0.03	0.36
10995.00	89.200	154.260	7767.24	2352.35	-2111.33	1037.89	1726081.75	380732.97	39°32'28.5699"N	80°28'16.6532"W	2352.64	153.822	0.47	-0.13	-0.46
11089.00	89.410	154.170	7768.38	2446.34	-2195.96	1078.78	1726122.64	380648.33	39°32'27.7378"N	80°28'16.1196"W	2446.63	153.837	0.24	0.22	-0.10
11182.00	89.750	154.590	7769.06	2539.34	-2279.81	1118.99	1726162.85	380564.48	39°32'26.9133"N	80°28'15.5947"W	2539.62	153.857	0.58	0.37	0.45
11276.00	89.350	154.840	7769.80	2633.33	-2364.81	1159.14	1726203.00	380479.49	39°32'26.0776"N	80°28'15.0706"W	2633.81	153.888	0.50	-0.43	0.27
11370.00	89.170	154.390	7771.02	2727.33	-2449.72	1199.43	1726243.29	380394.57	39°32'25.2426"N	80°28'14.5445"W	2727.60	153.913	0.52	-0.19	-0.48
11464.00	89.690	154.730	7771.95	2821.32	-2534.60	1239.81	1726283.67	380309.69	39°32'24.4081"N	80°28'14.0174"W	2821.59	153.934	0.66	0.55	0.36
11557.00	89.720	155.050	7772.43	2914.32	-2618.81	1279.28	1726323.13	380225.48	39°32'23.5800"N	80°28'13.5021"W	2914.57	153.965	0.35	0.03	0.34
11651.00	89.970	154.630	7772.68	3008.32	-2703.89	1319.24	1726363.10	380140.40	39°32'22.7434"N	80°28'12.9803"W	3008.56	153.992	0.52	0.27	-0.45
11745.00	90.030	155.020	7772.68	3102.32	-2788.96	1359.23	1726403.08	380055.33	39°32'21.9069"N	80°28'12.4582"W	3102.55	154.017	0.42	0.06	0.41
11839.00	90.310	155.740	7772.40	3196.31	-2874.42	1398.38	1726442.24	379969.88	39°32'21.0665"N	80°28'11.9466"W	3196.52	154.057	0.82	0.30	0.77
11934.00	89.570	154.650	7772.50	3291.30	-2960.65	1438.24	1726482.10	379883.64	39°32'20.2185"N	80°28'11.4260"W	3291.50	154.090	1.39	-0.78	-1.15
12027.00	89.510	154.010	7773.25	3384.30	-3044.47	1478.52	1726522.38	379799.83	39°32'19.3944"N	80°28'10.9002"W	3384.50	154.097	0.69	-0.06	-0.69
12121.00	89.910	154.620	7773.73	3478.29	-3129.18	1519.27	1726563.12	379715.12	39°32'18.5615"N	80°28'10.3686"W	3478.50	154.103	0.78	0.43	0.65
12215.00	89.780	154.290	7773.98	3572.29	-3213.99	1559.80	1726603.66	379630.31	39°32'17.7276"N	80°28'9.8395"W	3572.49	154.112	0.38	-0.14	-0.35
12309.00	89.660	153.430	7774.44	3666.28	-3298.37	1601.21	1726645.07	379545.92	39°32'16.8980"N	80°28'9.2993"W	3666.49	154.106	0.92	-0.13	-0.91
12403.00	89.720	155.140	7774.95	3760.27	-3383.06	1642.00	1726685.85	379461.24	39°32'16.0654"N	80°28'8.7671"W	3760.49	154.110	1.82	0.06	1.82
12497.00	89.660	154.130	7775.46	3854.27	-3468.00	1682.26	1726726.12	379376.30	39°32'15.2303"N	80°28'8.2414"W	3854.48	154.123	1.08	-0.06	-1.07
12591.00	89.810	154.270	7775.89	3948.27	-3552.63	1723.17	1726767.03	379291.67	39°32'14.3982"N	80°28'7.7076"W	3948.48	154.125	0.22	0.16	0.15
12685.00	89.780	154.240	7776.23	4042.26	-3637.29	1764.00	1726807.86	379207.00	39°32'13.5657"N	80°28'7.1748"W	4042.48	154.128	0.05	-0.03	-0.03
12779.00	89.470	154.030	7776.84	4136.25	-3721.88	1805.01	1726848.87	379122.42	39°32'12.7342"N	80°28'6.6398"W	4136.48	154.128	0.40	-0.33	-0.22
12873.00	89.510	154.230	7777.68	4230.25	-3806.45	1846.02	1726889.88	379037.85	39°32'11.9026"N	80°28'6.1047"W	4230.47	154.128	0.22	0.04	0.21
12967.00	89.750	154.180	7778.29	4324.24	-3891.08	1886.93	1726930.78	378953.21	39°32'11.0706"N	80°28'5.5710"W	4324.47	154.130	0.26	0.26	-0.05
13060.00	90.150	156.280	7778.37	4417.23	-3975.52	1925.89	1726969.75	378868.77	39°32'10.2402"N	80°28'5.0621"W	4417.45	154.153	2.30	0.43	2.26
13154.00	89.540	154.870	7778.62	4511.22	-4061.11	1964.76	1727008.61	378783.19	39°32'9.3985"N	80°28'4.5542"W	4511.42	154.182	1.63	-0.65	-1.50

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13248.00	89.880	153.890	7779.10	4605.21	-4145.86	2005.40	1727049.26	378698.43	39°32'8.5651"N	80°28'4.0238"W	4605.41	154.186	1.10	0.36	-1.04
13342.00	89.540	154.200	7779.57	4699.20	-4230.38	2046.54	1727090.40	378613.92	39°32'7.7342"N	80°28'3.4871"W	4699.41	154.184	0.49	-0.36	0.33
13436.00	89.880	154.060	7780.05	4793.20	-4314.96	2087.56	1727131.41	378529.34	39°32'6.9026"N	80°28'2.9520"W	4793.41	154.183	0.39	0.36	-0.15
13530.00	89.750	154.150	7780.35	4887.19	-4399.52	2128.61	1727172.47	378444.78	39°32'6.0713"N	80°28'2.4164"W	4887.41	154.181	0.17	-0.14	0.10
13624.00	89.840	154.370	7780.69	4981.19	-4484.19	2169.43	1727213.29	378360.11	39°32'5.2388"N	80°28'1.8838"W	4981.41	154.183	0.25	0.10	0.23
13718.00	89.780	154.030	7781.00	5075.18	-4568.82	2210.34	1727254.20	378275.48	39°32'4.4067"N	80°28'1.3500"W	5075.41	154.183	0.37	-0.06	-0.36
13812.00	89.600	154.260	7781.51	5169.18	-4653.41	2251.34	1727295.19	378190.89	39°32'3.5750"N	80°28'0.8152"W	5169.41	154.182	0.31	-0.19	0.24
13906.00	89.570	155.740	7782.19	5263.17	-4738.60	2291.06	1727334.92	378105.70	39°32'2.7373"N	80°28'0.2965"W	5263.39	154.197	1.57	-0.03	1.57
14000.00	89.440	155.470	7783.00	5357.16	-4824.20	2329.88	1727373.74	378020.09	39°32'1.8954"N	80°27'59.7892"W	5357.36	154.221	0.32	-0.14	-0.29
14094.00	89.470	154.920	7783.90	5451.15	-4909.53	2369.32	1727413.17	377934.77	39°32'1.0563"N	80°27'59.2742"W	5451.34	154.238	0.59	0.03	-0.59
14188.00	89.690	155.520	7784.59	5545.14	-4994.87	2408.71	1727452.57	377849.43	39°32'0.2170"N	80°27'58.7597"W	5545.33	154.255	0.68	0.23	0.64
14281.00	89.690	155.410	7785.09	5638.13	-5079.47	2447.33	1727491.19	377764.83	39°31'59.3850"N	80°27'58.2552"W	5638.30	154.275	0.12	0.00	-0.12
14375.00	89.630	155.730	7785.65	5732.12	-5165.05	2486.21	1727530.06	377679.25	39°31'58.5433"N	80°27'57.7473"W	5732.28	154.296	0.35	-0.06	0.34
14469.00	89.600	155.360	7786.28	5826.11	-5250.62	2525.12	1727568.98	377593.68	39°31'57.7018"N	80°27'57.2389"W	5826.25	154.316	0.39	-0.03	-0.39
14563.00	89.470	155.360	7787.04	5920.10	-5336.06	2564.31	1727608.16	377508.24	39°31'56.8615"N	80°27'56.7270"W	5920.24	154.333	0.14	-0.14	0.00
14656.00	89.660	155.630	7787.75	6013.09	-5420.68	2602.88	1727646.74	377423.62	39°31'56.0293"N	80°27'56.2231"W	6013.21	154.351	0.35	0.20	0.29
14750.00	89.440	155.350	7788.49	6107.08	-5506.20	2641.88	1727685.73	377338.10	39°31'55.1881"N	80°27'55.7137"W	6107.19	154.368	0.38	-0.23	-0.30
14844.00	89.780	155.250	7789.13	6201.07	-5591.80	2681.15	1727725.01	377252.70	39°31'54.3483"N	80°27'55.2007"W	6201.18	154.382	0.38	0.36	-0.11
14938.00	89.970	155.960	7789.33	6295.06	-5677.21	2719.98	1727763.83	377167.09	39°31'53.5064"N	80°27'54.6935"W	6295.16	154.401	0.78	0.20	0.76
15032.00	89.530	154.770	7789.74	6389.05	-5762.65	2759.15	1727803.02	377081.65	39°31'52.6661"N	80°27'54.1817"W	6389.14	154.415	1.35	-0.47	-1.27
15125.00	90.270	156.270	7789.90	6482.04	-5847.29	2797.70	1727841.55	376997.01	39°31'51.8337"N	80°27'53.6783"W	6482.12	154.431	1.80	0.80	1.61
15220.00	91.040	158.390	7788.82	6576.93	-5934.94	2834.31	1727878.16	376909.37	39°31'50.9713"N	80°27'53.1990"W	6576.99	154.473	2.37	0.81	2.23
15315.00	90.000	155.930	7787.96	6671.83	-6022.48	2871.18	1727915.03	376821.83	39°31'50.1100"N	80°27'52.7165"W	6671.87	154.511	2.81	-1.09	-2.59
15409.00	90.180	156.440	7787.81	6765.80	-6108.47	2909.13	1727952.99	376735.83	39°31'49.2641"N	80°27'52.2203"W	6765.83	154.534	0.58	0.19	0.54
15503.00	90.090	155.620	7787.59	6859.77	-6194.36	2947.32	1727991.17	376649.94	39°31'48.4193"N	80°27'51.7212"W	6859.80	154.555	0.88	-0.10	-0.87
15597.00	90.270	155.910	7787.29	6953.75	-6280.08	2985.91	1728029.76	376564.22	39°31'47.5762"N	80°27'51.2170"W	6953.78	154.571	0.36	0.19	0.31
15691.00	89.470	155.570	7787.50	7047.74	-6365.78	3024.53	1728068.38	376478.53	39°31'46.7333"N	80°27'50.7123"W	7047.76	154.587	0.92	-0.85	-0.36
15785.00	89.840	156.030	7788.07	7141.72	-6451.51	3063.06	1728106.91	376392.79	39°31'45.8901"N	80°27'50.2089"W	7141.73	154.602	0.63	0.39	0.49
15879.00	89.660	155.050	7788.48	7235.71	-6537.08	3101.98	1728145.83	376307.23	39°31'45.0486"N	80°27'49.7004"W	7235.72	154.615	1.06	-0.19	-1.04
15973.00	89.720	155.310	7788.99	7329.70	-6622.39	3141.44	1728185.29	376221.91	39°31'44.2095"N	80°27'49.1852"W	7329.71	154.622	0.28	0.06	0.28

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Vanderbilt 8H AWP Proj: 20596'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 8H
Field	Marion	API	47-049-02537-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 8H AWP
Slot	Slot #08		

WELLPATH DATA (230 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]
16067.00	89.690	155.380	7789.47	7423.70	-6707.81	3180.66	1728224.52	376136.49	39°31'43.3694"N	80°27'48.6729"W	7423.71	154.631	0.06	-0.03	0.05
16162.00	89.870	155.400	7789.84	7518.69	-6794.18	3220.24	1728264.09	376050.13	39°31'42.5201"N	80°27'48.1560"W	7518.70	154.640	0.19	0.19	0.04
16255.00	89.990	155.790	7789.95	7611.68	-6878.87	3258.67	1728302.52	375965.44	39°31'41.6871"N	80°27'47.6540"W	7611.68	154.652	0.44	0.13	0.42
16350.00	89.690	155.440	7790.22	7706.67	-6965.39	3297.89	1728341.74	375878.91	39°31'40.8361"N	80°27'47.1416"W	7706.67	154.664	0.49	-0.32	-0.37
16445.00	90.150	155.380	7790.35	7801.66	-7051.78	3337.42	1728381.27	375792.53	39°31'39.9865"N	80°27'46.8253"W	7801.66	154.673	0.49	0.48	-0.06
16540.00	90.180	155.430	7790.08	7896.65	-7138.16	3376.96	1728420.81	375706.15	39°31'39.1370"N	80°27'46.1089"W	7896.65	154.682	0.06	0.03	0.05
16633.00	90.210	155.230	7789.76	7989.65	-7222.67	3415.78	1728459.63	375621.64	39°31'38.3059"N	80°27'45.6020"W	7989.65	154.689	0.22	0.03	-0.22
16726.00	90.120	154.100	7789.49	8082.64	-7306.72	3455.57	1728499.42	375537.58	39°31'37.4794"N	80°27'45.0826"W	8082.65	154.689	1.22	-0.10	-1.22
16820.00	90.150	154.080	7789.27	8176.64	-7391.27	3496.65	1728540.50	375453.03	39°31'36.6481"N	80°27'44.5469"W	8176.64	154.682	0.04	0.03	-0.02
16914.00	90.180	154.240	7789.00	8270.63	-7475.87	3537.62	1728581.47	375368.43	39°31'35.8163"N	80°27'44.0125"W	8270.64	154.676	0.17	0.03	0.17
17008.00	90.180	154.270	7788.70	8364.63	-7560.54	3578.45	1728622.30	375283.76	39°31'34.9838"N	80°27'43.4798"W	8364.63	154.672	0.03	0.00	0.03
17102.00	90.270	154.450	7788.33	8458.63	-7645.29	3619.12	1728662.97	375199.02	39°31'34.1505"N	80°27'42.9492"W	8458.63	154.668	0.21	0.10	0.19
17197.00	89.840	153.880	7788.24	8553.62	-7730.79	3660.52	1728704.37	375113.52	39°31'33.3089"N	80°27'42.4092"W	8553.63	154.662	0.75	-0.45	-0.60
17291.00	90.050	154.670	7788.33	8647.62	-7815.47	3701.32	1728745.17	375028.83	39°31'32.4772"N	80°27'41.8769"W	8647.62	154.658	0.87	0.22	0.84
17385.00	89.810	154.300	7788.45	8741.62	-7900.30	3741.81	1728785.66	374944.00	39°31'31.6431"N	80°27'41.3486"W	8741.62	154.656	0.47	-0.26	-0.39
17479.00	89.810	154.440	7788.76	8835.61	-7985.06	3782.47	1728826.32	374859.25	39°31'30.8098"N	80°27'40.8182"W	8835.62	154.653	0.15	0.00	0.15
17574.00	89.870	154.360	7789.03	8930.61	-8070.73	3823.52	1728867.37	374773.58	39°31'29.9674"N	80°27'40.2827"W	8930.62	154.651	0.11	0.06	-0.08
17668.00	89.810	154.510	7789.29	9024.61	-8155.53	3864.08	1728907.94	374688.78	39°31'29.1336"N	80°27'39.7534"W	9024.62	154.648	0.17	-0.06	0.16
17762.00	89.840	154.550	7789.58	9118.61	-8240.39	3904.51	1728948.36	374603.92	39°31'28.2991"N	80°27'39.2260"W	9118.62	154.647	0.05	0.03	0.04
17856.00	89.840	154.350	7789.84	9212.61	-8325.20	3945.05	1728988.90	374519.11	39°31'27.4652"N	80°27'38.6971"W	9212.62	154.645	0.21	0.00	-0.21
17950.00	89.780	154.330	7790.15	9306.61	-8409.93	3985.75	1729029.61	374434.38	39°31'26.6321"N	80°27'38.1661"W	9306.61	154.642	0.07	-0.06	-0.02
18044.00	89.810	154.310	7790.49	9400.60	-8494.64	4026.49	1729070.34	374349.67	39°31'25.7992"N	80°27'37.6347"W	9400.61	154.639	0.04	0.03	-0.02
18138.00	89.740	154.490	7790.85	9494.60	-8579.41	4067.10	1729110.95	374264.89	39°31'24.9656"N	80°27'37.1048"W	9494.61	154.637	0.21	-0.07	0.19
18232.00	90.240	154.420	7790.87	9588.60	-8664.22	4107.64	1729151.49	374180.08	39°31'24.1317"N	80°27'36.5760"W	9588.61	154.635	0.54	0.53	-0.07
18326.00	90.110	154.410	7790.58	9682.60	-8749.01	4148.23	1729192.08	374095.30	39°31'23.2981"N	80°27'36.0464"W	9682.61	154.633	0.14	-0.14	-0.01
18420.00	90.140	154.210	7790.38	9776.60	-8833.71	4188.98	1729232.83	374010.59	39°31'22.4652"N	80°27'35.5149"W	9776.61	154.630	0.22	0.03	-0.21
18514.00	90.050	154.070	7790.22	9870.59	-8918.30	4229.98	1729273.83	373926.01	39°31'21.6335"N	80°27'34.9801"W	9870.60	154.625	0.18	-0.10	-0.15
18608.00	89.710	154.350	7790.42	9964.59	-9002.94	4270.88	1729314.73	373841.37	39°31'20.8013"N	80°27'34.4467"W	9964.60	154.621	0.47	-0.36	0.30
18702.00	89.560	153.790	7791.02	10058.58	-9087.47	4311.98	1729355.83	373756.84	39°31'19.9702"N	80°27'33.9107"W	10058.59	154.616	0.62	-0.16	-0.60
18796.00	89.620	153.790	7791.69	10152.56	-9171.81	4353.49	1729397.35	373672.50	39°31'19.1411"N	80°27'33.3694"W	10152.58	154.608	0.06	0.06	0.00

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Vanderbilt 8H AWP Proj: 20596'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 8H
Field	Marion	API	47-049-02537-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 8H AWB
Slot	Slot #08		

WELLPATH DATA (230 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]
18890.00	89.680	154.240	7792.27	10246.55	-9256.30	4394.68	1729438.53	373588.01	39°31'18.3103"N	80°27'32.8324"W	10246.58	154.603	0.48	0.06	0.48
18985.00	89.620	155.240	7792.85	10341.55	-9342.21	4435.22	1729479.07	373502.09	39°31'17.4655"N	80°27'32.3034"W	10341.57	154.604	1.05	-0.06	1.05
19079.00	89.800	155.480	7793.32	10435.54	-9427.65	4474.41	1729518.26	373416.65	39°31'16.6252"N	80°27'31.7917"W	10435.56	154.611	0.32	0.19	0.26
19172.00	89.870	155.700	7793.59	10528.53	-9512.34	4512.84	1729556.69	373331.97	39°31'15.7923"N	80°27'31.2897"W	10528.55	154.619	0.25	0.08	0.24
19266.00	89.840	155.270	7793.83	10622.52	-9597.87	4551.84	1729595.69	373246.44	39°31'14.9511"N	80°27'30.7803"W	10622.54	154.627	0.46	-0.03	-0.46
19360.00	89.800	155.240	7794.12	10716.52	-9683.23	4591.19	1729635.04	373161.07	39°31'14.1115"N	80°27'30.2666"W	10716.53	154.633	0.05	-0.04	-0.03
19454.00	89.900	155.640	7794.37	10810.51	-9768.73	4630.26	1729674.11	373075.58	39°31'13.2707"N	80°27'29.7564"W	10810.52	154.640	0.44	0.11	0.43
19548.00	89.800	155.090	7794.61	10904.50	-9854.17	4669.44	1729713.29	372990.14	39°31'12.4303"N	80°27'29.2448"W	10904.51	154.646	0.59	-0.11	-0.59
19642.00	89.870	155.200	7794.89	10998.50	-9939.47	4708.95	1729752.80	372904.84	39°31'11.5915"N	80°27'28.7290"W	10998.51	154.650	0.14	0.07	0.12
19737.00	89.830	154.980	7795.13	11093.50	-10025.63	4748.97	1729792.82	372818.68	39°31'10.7442"N	80°27'28.2067"W	11093.51	154.654	0.24	-0.04	-0.23
19831.00	89.900	155.460	7795.36	11187.50	-10110.97	4788.36	1729832.21	372733.34	39°31'9.9048"N	80°27'27.6924"W	11187.50	154.659	0.52	0.07	0.51
19925.00	89.740	155.150	7795.65	11281.49	-10196.38	4827.64	1729871.49	372647.94	39°31'9.0649"N	80°27'27.1797"W	11281.50	154.664	0.37	-0.17	-0.33
20018.00	89.770	155.040	7796.05	11374.49	-10280.73	4866.80	1729910.65	372563.58	39°31'8.2354"N	80°27'26.6685"W	11374.49	154.668	0.12	0.03	-0.12
20113.00	89.990	155.430	7796.25	11469.48	-10366.99	4906.59	1729950.44	372477.32	39°31'7.3870"N	80°27'26.1489"W	11469.49	154.672	0.47	0.23	0.41
20206.00	89.990	155.130	7796.26	11562.48	-10451.47	4945.49	1729989.34	372392.84	39°31'6.5562"N	80°27'25.6412"W	11562.48	154.677	0.32	0.00	-0.32
20301.00	90.020	155.490	7796.26	11657.47	-10537.78	4985.17	1730029.02	372306.53	39°31'5.7073"N	80°27'25.1231"W	11657.48	154.682	0.38	0.03	0.38
20395.00	89.960	155.340	7796.27	11751.47	-10623.26	5024.28	1730068.13	372221.05	39°31'4.8666"N	80°27'24.6125"W	11751.47	154.688	0.17	-0.06	-0.16
20489.00	89.800	154.250	7796.47	11845.46	-10708.31	5064.31	1730108.16	372136.00	39°31'4.0302"N	80°27'24.0901"W	11845.47	154.689	1.17	-0.17	-1.16
20571.00	90.110	154.970	7796.53	11927.46	-10782.39	5099.46	1730143.31	372061.92	39°31'3.3018"N	80°27'23.6314"W	11927.47	154.688	0.96	0.38	0.88
20596.00†	90.110	154.970	7796.49	11952.46	-10805.04	5110.04	1730153.89	372039.27	39°31'3.0790"N	80°27'23.4934"W	11952.46	154.689	0.00	0.00	0.00

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 8H
Field	Marion	API	47-049-02537-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 8H AWB
Slot	Slot #08		

HOLE & CASING SECTIONS - Ref Wellbore: Vanderbilt 8H AWB Ref Wellpath: Vanderbilt 8H AWP Proj: 20596'

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]
17.5in Open Hole	28.00	1257.00	1229.00	28.00	1257.00	0.00	0.00	0.58	-1.86
13.375in Casing Surface	28.00	1257.00	1229.00	28.00	1257.00	0.00	0.00	0.58	-1.86
12.25in Open Hole	1257.00	2710.00	1453.00	1257.00	2709.96	0.58	-1.86	4.05	-11.18
9.625in Casing Intermediate	28.00	2710.00	2682.00	28.00	2709.96	0.00	0.00	4.05	-11.18
8.75in Open Hole	2710.00	6641.00	3931.00	2709.96	6532.19	4.05	-11.18	831.29	-333.93
8.5in Open Hole	6641.00	20596.00	13955.00	6532.19	7796.49	831.29	-333.93	-10805.04	5110.04
5.5in Casing Production	28.00	20596.00	20568.00	28.00	7796.49	0.00	0.00	-10805.04	5110.04

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Vanderbilt 8H LP Rev-2	7751.00	355.33	-100.94	1724942.92	383199.62	39°32'52.8265"N	80°28'31.5314"W	point
Vanderbilt 8H BHL Rev-2	7831.62	-10808.25	5105.22	1730149.07	372036.06	39°31'3.0467"N	80°27'23.5544"W	point

WELLPATH COMPOSITION - Ref Wellbore: Vanderbilt 8H AWB Ref Wellpath: Vanderbilt 8H AWP Proj: 20596'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2675.00	Gyrodata 2015 - CT+WIR+DPIPE	01_Gyrodata Cont. Gyro <12-1/4"> (100'-2660')	Vanderbilt 8H AWB	12/26/2024
2675.00	6550.00	OWSG MWD rev2 + HRGM	02_SDI MWD <8-3/4"> (2660')(2737'-6535')	Vanderbilt 8H AWB	12/26/2024
6550.00	20596.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03_BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6550')(6656'-20571')	Vanderbilt 8H AWB	1/5/2025

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Actual Wellpath Report

Vanderbilt 8H AWP Proj: 20596'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 8H
Field	Marion	API	47-049-02537-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 8H AWB
Slot	Slot #08		

COMMENTS

Wellpath general comments

API: 47-049-02537-0000

BH Job #: 112536643

Rig: Patterson 294

Duration: 1/8/2025-1/10/2025

Gyrodata Cont. Gyro <12-1/4"> (100'-2660')

SDI MWD <8-3/4"> (2660')(2737'-6535')

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6550')(6656'-20571')

Projected MD at TD: 20596'

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Office of Oil and Gas
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WV Department of
Environmental Protection

