



Actual Wellpath Report

Vanderbilt 10H AWP Proj: 21365'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
Field	Marion	API	47-049-02538-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

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	1/9/2025 at 1:08:58 PM
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	14.58	3.36	1725047.22	382858.87	39°32'49.4700"N	80°28'30.1528"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 #10)	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	149.99°

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Slot	Slot #10		

WELLPATH DATA (272 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	324.480	0.00	0.00	0.00	0.00	1725047.22	382858.87	39°32'49.4700"N	80°28'30.1528"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	324.480	28.00	0.00	0.00	0.00	1725047.22	382858.87	39°32'49.4700"N	80°28'30.1528"W	0.00	0.000	0.00	0.00	0.00
115.00	0.190	324.480	115.00	-0.14	0.12	-0.08	1725047.14	382858.99	39°32'49.4712"N	80°28'30.1539"W	0.14	324.480	0.22	0.22	0.00
165.00	0.170	320.010	165.00	-0.30	0.24	-0.18	1725047.04	382859.11	39°32'49.4724"N	80°28'30.1551"W	0.30	323.380	0.05	-0.04	-8.94
215.00	0.170	320.580	215.00	-0.45	0.36	-0.27	1725046.95	382859.23	39°32'49.4735"N	80°28'30.1563"W	0.45	322.359	0.00	0.00	1.10
265.00	0.170	327.280	265.00	-0.59	0.48	-0.36	1725046.86	382859.35	39°32'49.4747"N	80°28'30.1574"W	0.60	322.746	0.04	0.00	13.44
315.00	0.110	331.430	315.00	-0.71	0.58	-0.42	1725046.80	382859.45	39°32'49.4757"N	80°28'30.1583"W	0.72	323.791	0.12	-0.12	8.30
365.00	0.110	324.600	365.00	-0.81	0.66	-0.48	1725046.74	382859.53	39°32'49.4765"N	80°28'30.1589"W	0.81	324.287	0.03	0.00	-13.66
415.00	0.110	317.910	415.00	-0.91	0.74	-0.54	1725046.68	382859.61	39°32'49.4772"N	80°28'30.1597"W	0.91	323.968	0.03	0.00	-13.38
465.00	0.100	312.670	465.00	-0.99	0.80	-0.60	1725046.62	382859.67	39°32'49.4779"N	80°28'30.1605"W	1.00	323.189	0.03	-0.02	-10.48
515.00	0.110	289.590	515.00	-1.07	0.85	-0.68	1725046.54	382859.72	39°32'49.4783"N	80°28'30.1615"W	1.08	321.364	0.09	0.02	-46.15
565.00	0.120	310.970	565.00	-1.16	0.90	-0.76	1725046.46	382859.77	39°32'49.4788"N	80°28'30.1626"W	1.18	319.674	0.09	0.02	42.76
615.00	0.130	318.560	615.00	-1.26	0.97	-0.84	1725046.38	382859.84	39°32'49.4796"N	80°28'30.1636"W	1.29	319.271	0.04	0.02	15.18
665.00	0.110	320.590	665.00	-1.37	1.05	-0.91	1725046.31	382859.92	39°32'49.4803"N	80°28'30.1645"W	1.39	319.288	0.04	-0.04	4.00
715.00	0.140	324.320	715.00	-1.47	1.14	-0.97	1725046.25	382860.01	39°32'49.4812"N	80°28'30.1653"W	1.50	319.534	0.06	0.06	7.46
765.00	0.190	277.240	765.00	-1.59	1.20	-1.09	1725046.13	382860.07	39°32'49.4818"N	80°28'30.1669"W	1.62	317.744	0.28	0.10	-94.16
815.00	0.220	272.180	815.00	-1.69	1.21	-1.27	1725045.95	382860.08	39°32'49.4819"N	80°28'30.1691"W	1.76	313.748	0.07	0.06	-10.16
865.00	0.240	267.420	865.00	-1.79	1.21	-1.47	1725045.75	382860.08	39°32'49.4818"N	80°28'30.1717"W	1.91	309.551	0.06	0.04	-9.48
915.00	0.240	268.550	915.00	-1.88	1.21	-1.68	1725045.54	382860.08	39°32'49.4818"N	80°28'30.1744"W	2.07	305.697	0.01	0.00	2.26
965.00	0.210	277.610	965.00	-1.99	1.22	-1.87	1725045.35	382860.09	39°32'49.4816"N	80°28'30.1769"W	2.23	302.968	0.09	-0.06	18.12
1015.00	0.200	272.140	1015.00	-2.09	1.23	-2.05	1725045.17	382860.10	39°32'49.4820"N	80°28'30.1791"W	2.39	300.957	0.04	-0.02	-10.94
1065.00	0.200	260.550	1065.00	-2.17	1.22	-2.23	1725044.99	382860.09	39°32'49.4818"N	80°28'30.1813"W	2.54	298.730	0.08	0.00	-23.18
1115.00	0.200	257.620	1115.00	-2.23	1.19	-2.40	1725044.82	382860.06	39°32'49.4815"N	80°28'30.1835"W	2.67	296.345	0.02	0.00	-5.86
1165.00	0.270	274.290	1165.00	-2.32	1.18	-2.60	1725044.62	382860.05	39°32'49.4814"N	80°28'30.1861"W	2.85	294.360	0.19	0.14	33.34
1215.00	0.280	273.860	1214.99	-2.45	1.19	-2.84	1725044.38	382860.06	39°32'49.4815"N	80°28'30.1892"W	3.08	292.812	0.02	0.02	-0.86
1265.00	0.430	276.180	1264.99	-2.63	1.22	-3.15	1725044.07	382860.09	39°32'49.4818"N	80°28'30.1931"W	3.38	291.226	0.30	0.30	4.60
1315.00	0.460	276.980	1314.99	-2.86	1.27	-3.53	1725043.69	382860.14	39°32'49.4822"N	80°28'30.1980"W	3.75	289.728	0.06	0.06	1.64
1365.00	0.490	279.940	1364.99	-3.12	1.33	-3.94	1725043.28	382860.20	39°32'49.4827"N	80°28'30.2033"W	4.16	288.617	0.08	0.06	5.92
1415.00	0.610	285.490	1414.99	-3.45	1.44	-4.41	1725042.81	382860.31	39°32'49.4837"N	80°28'30.2093"W	4.64	288.039	0.26	0.24	11.10
1465.00	0.730	285.180	1464.98	-3.87	1.59	-4.97	1725042.25	382860.46	39°32'49.4852"N	80°28'30.2165"W	5.22	287.735	0.24	0.24	-0.62

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Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

WELLPATH DATA (272 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)
1515.00	0.760	282.040	1514.98	-4.31	1.74	-5.61	1725041.61	382860.61	39°32'49.4866"N	80°28'30.2240"W	5.87	287.275	0.10	0.06	-6.28
1565.00	0.780	284.770	1564.98	-4.78	1.90	-6.26	1725040.96	382860.77	39°32'49.4881"N	80°28'30.2329"W	6.54	286.880	0.08	0.04	5.46
1615.00	0.800	284.310	1614.97	-5.26	2.07	-6.93	1725040.29	382860.94	39°32'49.4898"N	80°28'30.2415"W	7.23	286.557	0.04	0.04	-0.92
1665.00	0.790	284.340	1664.97	-5.74	2.24	-7.60	1725039.62	382861.11	39°32'49.4914"N	80°28'30.2501"W	7.92	286.453	0.02	-0.02	0.06
1715.00	0.780	288.040	1714.96	-6.24	2.43	-8.26	1725038.96	382861.30	39°32'49.4932"N	80°28'30.2585"W	8.61	286.431	0.10	-0.02	7.40
1765.00	0.810	286.600	1764.96	-6.75	2.64	-8.92	1725038.30	382861.51	39°32'49.4952"N	80°28'30.2670"W	9.30	286.496	0.07	0.06	-2.88
1815.00	0.830	284.710	1814.95	-7.26	2.83	-9.61	1725037.61	382861.70	39°32'49.4970"N	80°28'30.2758"W	10.02	286.435	0.07	0.04	-3.78
1865.00	0.870	284.960	1864.95	-7.78	3.02	-10.32	1725036.90	382861.89	39°32'49.4988"N	80°28'30.2850"W	10.76	286.325	0.08	0.08	0.50
1915.00	0.870	285.800	1914.94	-8.32	3.23	-11.06	1725036.16	382862.10	39°32'49.5007"N	80°28'30.2944"W	11.52	286.263	0.03	0.00	1.68
1965.00	0.910	284.220	1964.93	-8.87	3.43	-11.81	1725035.41	382862.30	39°32'49.5026"N	80°28'30.3040"W	12.29	286.183	0.09	0.08	-3.16
2015.00	1.000	281.240	2014.93	-9.44	3.61	-12.62	1725034.60	382862.48	39°32'49.5043"N	80°28'30.3144"W	13.13	285.959	0.21	0.18	-5.96
2065.00	1.080	275.950	2064.92	-10.00	3.74	-13.52	1725033.70	382862.61	39°32'49.5056"N	80°28'30.3258"W	14.02	285.478	0.25	0.16	-10.58
2115.00	1.050	278.710	2114.91	-10.56	3.86	-14.44	1725032.78	382862.73	39°32'49.5066"N	80°28'30.3376"W	14.94	284.972	0.12	-0.06	5.52
2165.00	1.060	276.470	2164.90	-11.13	3.98	-15.35	1725031.87	382862.85	39°32'49.5077"N	80°28'30.3493"W	15.86	284.544	0.08	0.02	-4.48
2215.00	1.070	276.630	2214.89	-11.68	4.09	-16.27	1725030.95	382862.96	39°32'49.5087"N	80°28'30.3611"W	16.78	284.103	0.02	0.02	0.32
2265.00	1.060	276.090	2264.88	-12.23	4.19	-17.20	1725030.02	382863.06	39°32'49.5096"N	80°28'30.3729"W	17.70	283.698	0.03	-0.02	-1.08
2315.00	1.010	274.560	2314.88	-12.75	4.28	-18.10	1725029.12	382863.15	39°32'49.5103"N	80°28'30.3844"W	18.59	283.293	0.11	-0.10	-3.06
2365.00	1.090	277.240	2364.87	-13.29	4.37	-19.01	1725028.21	382863.24	39°32'49.5112"N	80°28'30.3960"W	19.50	282.949	0.19	0.16	5.36
2415.00	1.030	272.810	2414.86	-13.82	4.45	-19.93	1725027.29	382863.32	39°32'49.5119"N	80°28'30.4078"W	20.42	282.595	0.20	-0.12	-8.86
2465.00	0.930	281.290	2464.85	-14.33	4.55	-20.77	1725026.45	382863.42	39°32'49.5128"N	80°28'30.4186"W	21.27	282.364	0.35	-0.20	16.96
2515.00	0.890	275.470	2514.85	-14.83	4.67	-21.56	1725025.66	382863.54	39°32'49.5139"N	80°28'30.4286"W	22.06	282.223	0.20	-0.08	-11.64
2565.00	0.750	272.390	2564.84	-15.23	4.72	-22.27	1725024.95	382863.59	39°32'49.5143"N	80°28'30.4377"W	22.77	281.968	0.29	-0.28	-6.16
2615.00	0.840	272.180	2614.84	-15.60	4.75	-22.97	1725024.25	382863.62	39°32'49.5145"N	80°28'30.4466"W	23.45	281.682	0.18	0.18	-0.42
2665.00	0.880	276.690	2664.83	-16.02	4.81	-23.71	1725023.51	382863.68	39°32'49.5150"N	80°28'30.4561"W	24.20	281.460	0.16	0.08	9.02
2673.00	0.900	276.530	2672.83	-16.10	4.82	-23.84	1725023.38	382863.69	39°32'49.5151"N	80°28'30.4577"W	24.32	281.435	0.25	0.25	-2.00
2752.00	0.780	295.580	2751.82	-16.91	5.12	-24.94	1725022.28	382863.99	39°32'49.5180"N	80°28'30.4718"W	25.46	281.612	0.38	-0.15	24.11
2795.00	0.900	318.760	2794.82	-17.48	5.50	-25.42	1725021.80	382864.37	39°32'49.5217"N	80°28'30.4781"W	26.01	282.216	0.83	0.28	53.91
2837.00	1.770	0.740	2836.81	-18.36	6.40	-25.63	1725021.59	382865.27	39°32'49.5305"N	80°28'30.4809"W	26.42	284.021	2.99	2.07	99.95
2881.00	3.480	13.620	2880.76	-19.91	8.38	-25.31	1725021.91	382867.25	39°32'49.5501"N	80°28'30.4770"W	26.66	288.317	4.09	3.89	29.27
2923.00	4.900	13.650	2922.65	-22.13	11.36	-24.59	1725022.63	382870.23	39°32'49.5797"N	80°28'30.4682"W	27.08	294.800	3.38	3.38	0.07

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Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
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2966.00	8.210	12.880	2965.44	-25.17	15.41	-23.64	1725023.59	382874.28	39°32'49.6198"N	80°28'30.4566"W	28.22	303.109	3.05	3.05	-1.79
3009.00	7.260	11.580	3008.14	-28.90	20.34	-22.57	1725024.65	382879.21	39°32'49.6686"N	80°28'30.4437"W	30.39	312.026	2.47	2.44	-3.02
3051.00	7.590	11.390	3049.79	-32.97	25.66	-21.49	1725025.73	382884.53	39°32'49.7213"N	80°28'30.4307"W	33.47	320.054	0.79	0.79	-0.45
3093.00	7.940	12.520	3091.41	-37.19	31.21	-20.31	1725026.91	382890.08	39°32'49.7763"N	80°28'30.4164"W	37.24	326.942	0.91	0.83	2.69
3136.00	8.940	14.110	3133.94	-41.77	37.35	-18.86	1725028.36	382896.22	39°32'49.8371"N	80°28'30.3986"W	41.84	333.215	2.39	2.33	3.70
3178.00	9.200	15.680	3175.42	-46.46	43.75	-17.15	1725030.07	382902.62	39°32'49.9006"N	80°28'30.3778"W	46.99	338.591	0.85	0.62	3.74
3221.00	9.000	15.380	3217.87	-51.23	50.30	-15.33	1725031.89	382909.17	39°32'49.9655"N	80°28'30.3554"W	52.59	343.049	0.48	-0.47	-0.70
3263.00	9.290	15.230	3259.34	-55.92	56.74	-13.57	1725033.65	382915.61	39°32'50.0293"N	80°28'30.3339"W	58.34	346.550	0.69	0.69	-0.36
3307.00	9.920	15.770	3302.72	-61.06	63.81	-11.61	1725035.61	382922.68	39°32'50.0995"N	80°28'30.3098"W	64.86	349.691	1.45	1.43	1.23
3349.00	11.370	17.490	3344.00	-66.38	71.24	-9.38	1725037.84	382930.11	39°32'50.1731"N	80°28'30.2824"W	71.88	352.500	3.53	3.46	4.10
3393.00	12.920	18.680	3387.01	-72.56	80.04	-6.50	1725040.72	382938.91	39°32'50.2604"N	80°28'30.2468"W	80.31	355.357	3.57	3.52	2.70
3436.00	13.680	17.840	3428.86	-79.15	89.44	-3.40	1725043.82	382948.31	39°32'50.3536"N	80°28'30.2086"W	89.50	357.821	1.82	1.77	-1.95
3479.00	14.320	16.070	3470.58	-86.25	99.39	-0.37	1725046.85	382958.26	39°32'50.4522"N	80°28'30.1713"W	99.39	359.785	1.79	1.49	-4.12
3523.00	14.890	15.180	3513.16	-94.01	110.07	2.61	1725049.83	382968.94	39°32'50.5582"N	80°28'30.1346"W	110.10	1.360	1.39	1.30	-2.02
3565.00	15.370	13.480	3553.71	-101.85	120.69	5.32	1725052.54	382979.56	39°32'50.6634"N	80°28'30.1015"W	120.81	2.526	1.58	1.14	-4.05
3608.00	15.560	10.670	3595.15	-110.36	131.90	7.72	1725054.94	382990.77	39°32'50.7745"N	80°28'30.0725"W	132.13	3.350	1.80	0.44	-6.53
3651.00	16.040	8.530	3636.52	-119.38	143.44	9.67	1725056.89	383002.31	39°32'50.8887"N	80°28'30.0492"W	143.77	3.856	1.76	1.12	-4.98
3693.00	16.920	7.160	3676.80	-128.79	155.25	11.29	1725058.51	383014.12	39°32'51.0056"N	80°28'30.0301"W	155.66	4.160	2.29	2.10	-3.26
3737.00	17.740	6.610	3718.80	-139.27	168.26	12.86	1725060.08	383027.13	39°32'51.1343"N	80°28'30.0119"W	168.75	4.371	1.90	1.86	-1.25
3781.00	18.750	6.420	3780.59	-150.34	181.95	14.42	1725061.64	383040.81	39°32'51.2698"N	80°28'29.9938"W	182.52	4.533	2.30	2.30	-0.43
3823.00	19.830	6.080	3800.23	-161.53	195.74	15.93	1725063.15	383054.61	39°32'51.4062"N	80°28'29.9765"W	196.38	4.654	2.59	2.57	-0.81
3866.00	21.230	6.720	3840.50	-173.66	210.72	17.62	1725064.84	383069.59	39°32'51.5545"N	80°28'29.9571"W	211.46	4.779	3.30	3.26	1.49
3908.00	22.590	7.690	3879.46	-186.14	226.27	19.59	1725066.81	383085.14	39°32'51.7084"N	80°28'29.9341"W	227.12	4.947	3.35	3.24	2.31
3950.00	24.020	8.080	3918.04	-199.25	242.73	21.87	1725069.09	383101.60	39°32'51.8713"N	80°28'29.9072"W	243.71	5.148	3.42	3.40	0.93
3993.00	25.260	7.090	3957.12	-213.46	260.50	24.23	1725071.45	383119.37	39°32'52.0472"N	80°28'29.8795"W	261.62	5.314	3.04	2.88	-2.30
4078.00	26.860	4.900	4033.48	-243.67	297.63	28.11	1725075.33	383156.50	39°32'52.4146"N	80°28'29.8352"W	298.95	5.395	2.20	1.88	-2.58
4165.00	27.030	4.070	4111.03	-276.16	336.93	31.19	1725078.41	383195.80	39°32'52.8033"N	80°28'29.8013"W	338.37	5.289	0.47	0.20	-0.95
4252.00	27.360	2.380	4188.42	-309.42	376.63	33.42	1725080.64	383235.50	39°32'53.1959"N	80°28'29.7783"W	378.11	5.072	0.97	0.38	-1.94
4337.00	26.650	3.220	4264.15	-341.86	415.17	35.31	1725082.53	383274.04	39°32'53.5771"N	80°28'29.7596"W	416.67	4.861	0.95	-0.84	0.99
4422.00	26.080	4.580	4340.31	-373.19	452.84	37.87	1725085.09	383311.71	39°32'53.9496"N	80°28'29.7321"W	454.42	4.780	0.97	-0.66	1.60

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
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Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

WELLPATH DATA (272 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]
4508.00	25.370	3.360	4417.78	-404.15	490.08	40.46	1725087.68	383348.95	39°32'54.3180"N	80°28'29.7042"W	491.75	4.719	1.04	-0.84	-1.42
4592.00	24.260	2.820	4494.02	-433.68	525.28	42.36	1725089.58	383384.15	39°32'54.6661"N	80°28'29.6848"W	526.99	4.611	1.35	-1.32	-0.64
4677.00	23.940	3.960	4571.61	-462.65	559.93	44.41	1725091.63	383418.80	39°32'55.0087"N	80°28'29.6634"W	561.69	4.535	0.66	-0.38	1.34
4763.00	24.000	3.900	4650.20	-491.64	594.79	46.81	1725094.03	383453.65	39°32'55.3535"N	80°28'29.6376"W	596.62	4.500	0.08	0.07	-0.07
4848.00	25.300	6.690	4727.45	-520.55	630.07	50.10	1725097.32	383488.94	39°32'55.7026"N	80°28'29.6005"W	632.06	4.548	2.05	1.53	3.28
4934.00	27.060	7.540	4804.63	-550.79	667.72	54.81	1725102.03	383526.59	39°32'56.0752"N	80°28'29.5456"W	669.97	4.692	2.09	2.05	0.99
5009.00	27.130	7.100	4871.39	-577.96	701.60	59.16	1725106.38	383560.47	39°32'56.4105"N	80°28'29.4948"W	704.09	4.820	0.28	0.09	-0.59
5097.00	27.840	5.650	4949.46	-610.65	741.96	63.66	1725110.88	383600.83	39°32'56.8099"N	80°28'29.4429"W	744.69	4.904	1.11	0.81	-1.65
5183.00	27.620	4.170	5025.59	-643.46	781.83	67.09	1725114.31	383640.70	39°32'57.2042"N	80°28'29.4046"W	784.70	4.905	0.84	-0.26	-1.72
5267.00	26.590	3.770	5100.96	-675.19	820.01	69.74	1725116.96	383678.88	39°32'57.5819"N	80°28'29.3761"W	822.97	4.861	1.25	-1.23	-0.48
5353.00	25.990	3.330	5177.46	-706.94	858.03	72.10	1725119.32	383716.89	39°32'57.9578"N	80°28'29.3512"W	861.05	4.803	0.73	-0.70	-0.51
5439.00	25.690	4.070	5254.87	-738.12	895.43	74.52	1725121.74	383754.30	39°32'58.3278"N	80°28'29.3255"W	898.53	4.757	0.51	-0.35	0.86
5524.00	24.650	4.690	5331.79	-767.95	931.48	77.28	1725124.50	383790.34	39°32'58.6843"N	80°28'29.2953"W	934.68	4.742	1.26	-1.23	0.73
5609.00	23.640	4.620	5409.36	-796.55	966.13	80.10	1725127.32	383825.00	39°32'59.0271"N	80°28'29.2641"W	969.44	4.739	1.19	-1.19	-0.08
5695.00	23.640	5.150	5486.14	-824.83	1000.49	83.04	1725130.28	383859.36	39°32'59.3870"N	80°28'29.2314"W	1003.93	4.744	0.25	0.00	0.62
5781.00	24.150	7.390	5566.77	-852.90	1035.11	86.85	1725134.07	383893.98	39°32'59.7096"N	80°28'29.1875"W	1038.75	4.796	1.21	0.59	2.60
5867.00	26.090	7.270	5644.63	-881.93	1071.32	91.50	1725138.72	383930.18	39°33'0.0679"N	80°28'29.1331"W	1075.22	4.882	2.26	2.26	-0.14
5953.00	26.160	5.970	5721.85	-912.32	1108.93	95.87	1725143.09	383967.80	39°33'0.4402"N	80°28'29.0826"W	1113.07	4.941	0.67	0.08	-1.51
6038.00	25.290	4.470	5798.42	-942.45	1145.67	99.23	1725146.45	384004.54	39°33'0.8036"N	80°28'29.0447"W	1149.96	4.950	1.28	-1.02	-1.76
6123.00	26.270	4.280	5874.96	-972.96	1182.53	102.05	1725149.27	384041.40	39°33'1.1682"N	80°28'29.0139"W	1186.82	4.932	1.16	1.15	-0.22
6209.00	27.640	6.130	5951.62	-1004.79	1221.34	105.60	1725152.82	384080.21	39°33'1.5522"N	80°28'28.9739"W	1225.90	4.942	1.87	1.58	2.15
6294.00	27.020	5.940	6027.13	-1036.35	1260.15	109.70	1725156.92	384119.02	39°33'1.9362"N	80°28'28.9289"W	1264.92	4.975	0.74	-0.73	-0.22
6380.00	26.210	4.740	6104.02	-1067.76	1298.51	113.30	1725160.52	384157.38	39°33'2.3157"N	80°28'28.8864"W	1303.44	4.986	1.13	-0.94	-1.40
6464.00	26.420	4.060	6179.31	-1098.49	1335.64	116.15	1725163.37	384194.50	39°33'2.6829"N	80°28'28.8550"W	1340.68	4.970	0.44	0.25	-0.81
6550.00	26.810	5.120	6256.20	-1130.20	1374.04	119.24	1725166.46	384232.91	39°33'3.0628"N	80°28'28.8210"W	1379.20	4.960	0.71	0.45	1.23
6635.00	26.520	4.430	6332.16	-1161.52	1412.05	122.41	1725169.63	384270.92	39°33'3.4388"N	80°28'28.7857"W	1417.35	4.955	0.50	-0.34	-0.81
6721.00	26.230	2.970	6409.21	-1193.30	1450.17	124.88	1725172.10	384308.04	39°33'3.8159"N	80°28'28.7595"W	1455.54	4.922	0.83	-0.34	-1.70
6807.00	25.790	4.030	6486.50	-1224.75	1487.82	127.18	1725174.40	384346.68	39°33'4.1881"N	80°28'28.7353"W	1493.24	4.886	0.74	-0.51	1.23
6893.00	25.900	5.180	6563.88	-1255.63	1525.22	130.19	1725177.41	384384.09	39°33'4.5582"N	80°28'28.7020"W	1530.77	4.879	0.62	0.20	1.34
6979.00	26.550	4.360	6641.01	-1286.88	1563.14	133.36	1725180.58	384422.00	39°33'4.9332"N	80°28'28.6669"W	1568.81	4.876	0.81	0.69	-0.95

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Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

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7065.00	27.570	3.280	6717.59	-1319.38	1602.17	135.96	1725183.17	384461.04	39°33'5.3193"N	80°28'28.6391"W	1607.93	4.850	1.32	1.19	-1.26
7149.00	28.170	4.910	6791.85	-1351.89	1641.33	138.76	1725185.98	384500.20	39°33'5.7066"N	80°28'28.6087"W	1647.19	4.833	1.15	0.71	1.94
7183.00	28.890	4.690	6821.72	-1365.22	1657.52	140.12	1725187.34	384516.38	39°33'5.8667"N	80°28'28.5936"W	1663.43	4.832	2.14	2.12	-0.65
7223.00	29.550	3.960	6856.63	-1381.35	1676.99	141.59	1725188.81	384535.85	39°33'6.0593"N	80°28'28.5775"W	1682.95	4.826	1.88	1.65	-1.83
7317.00	22.790	10.040	6940.95	-1414.55	1718.09	146.38	1725193.60	384576.96	39°33'6.4661"N	80°28'28.5222"W	1724.32	4.870	7.73	-7.19	6.47
7412.00	14.570	36.440	7031.03	-1433.48	1745.92	156.72	1725203.94	384604.78	39°33'6.7422"N	80°28'28.3940"W	1752.94	5.129	12.21	-8.65	27.79
7507.00	13.090	65.780	7123.39	-1437.17	1759.96	173.65	1725220.87	384618.89	39°33'6.8828"N	80°28'28.1798"W	1768.51	5.635	7.46	-1.56	30.88
7601.00	16.680	91.080	7214.31	-1429.12	1764.08	196.87	1725244.09	384622.95	39°33'6.9260"N	80°28'27.8839"W	1775.03	6.368	7.81	3.82	26.91
7695.00	21.160	108.660	7303.28	-1409.39	1758.39	226.47	1725273.69	384617.26	39°33'6.8729"N	80°28'27.5052"W	1772.91	7.339	7.66	4.77	18.70
7789.00	27.510	125.830	7388.99	-1376.80	1740.27	260.27	1725307.49	384599.14	39°33'6.6975"N	80°28'27.0712"W	1759.63	8.506	9.99	6.78	18.05
7884.00	36.930	133.360	7469.31	-1329.34	1707.81	298.96	1725346.18	384566.68	39°33'6.3808"N	80°28'26.5729"W	1733.78	9.929	10.81	9.92	8.14
7979.00	46.830	139.240	7539.98	-1267.78	1661.84	342.45	1725389.67	384520.71	39°33'5.9312"N	80°28'26.0113"W	1696.76	11.644	11.20	10.42	6.19
8074.00	55.710	143.810	7599.37	-1194.56	1603.80	388.35	1725435.57	384462.66	39°33'5.3624"N	80°28'25.4173"W	1650.14	13.612	10.07	9.35	4.81
8169.00	58.270	147.800	7651.14	-1115.13	1537.91	433.07	1725480.29	384396.77	39°33'4.7160"N	80°28'24.8373"W	1597.72	15.727	4.43	2.69	4.20
8263.00	66.010	149.930	7695.04	-1032.11	1466.81	475.95	1725523.17	384325.67	39°33'4.0178"N	80°28'24.2799"W	1542.09	17.977	8.47	8.23	2.27
8358.00	74.840	151.050	7726.84	-942.70	1388.97	519.98	1725567.20	384247.84	39°33'3.2534"N	80°28'23.7071"W	1483.11	20.524	9.36	9.29	1.16
8452.00	83.740	154.590	7744.29	-850.56	1306.89	562.08	1725609.30	384165.76	39°33'2.4466"N	80°28'23.1583"W	1422.64	23.272	10.16	9.47	3.77
8547.00	88.350	154.800	7750.84	-756.13	1221.23	602.58	1725649.80	384080.10	39°33'1.6043"N	80°28'22.6295"W	1361.80	26.263	4.86	4.85	0.22
8642.00	88.350	154.940	7753.58	-661.51	1135.26	642.91	1725690.13	383994.13	39°33'0.7590"N	80°28'22.1028"W	1304.66	29.523	0.15	0.00	0.15
8736.00	88.480	154.990	7756.18	-567.90	1050.12	682.67	1725729.89	383908.99	39°32'59.9218"N	80°28'21.5834"W	1252.52	33.027	0.15	0.14	0.05
8831.00	89.560	154.820	7757.80	-473.25	964.18	723.11	1725770.32	383823.04	39°32'59.0767"N	80°28'21.0553"W	1205.20	36.869	1.20	1.14	-0.39
8925.00	89.680	154.820	7758.43	-379.58	879.18	763.25	1725810.46	383738.05	39°32'58.2409"N	80°28'20.5311"W	1164.26	40.962	0.25	0.13	0.21
9019.00	89.650	154.700	7758.98	-285.90	794.16	803.33	1725850.55	383653.02	39°32'57.4049"N	80°28'20.0077"W	1129.61	45.329	0.13	-0.03	-0.13
9114.00	89.840	155.110	7759.40	-191.25	708.12	843.62	1725890.84	383566.99	39°32'56.5590"N	80°28'19.4815"W	1101.42	49.990	0.48	0.20	0.43
9208.00	89.250	154.790	7760.15	-97.61	622.97	883.42	1725930.64	383481.84	39°32'55.7216"N	80°28'18.9617"W	1080.98	54.809	0.71	-0.63	-0.34
9302.00	89.600	154.600	7761.09	-3.93	537.99	923.59	1725970.81	383396.86	39°32'54.8861"N	80°28'18.4370"W	1068.86	59.779	0.42	0.37	-0.20
9396.00	89.630	154.650	7761.72	89.76	453.06	963.88	1726011.09	383311.93	39°32'54.0510"N	80°28'17.9111"W	1065.05	64.824	0.06	0.03	0.05
9490.00	89.690	154.480	7762.28	183.46	368.18	1004.25	1726051.47	383227.05	39°32'53.2163"N	80°28'17.3840"W	1069.61	69.866	0.19	0.06	-0.18
9584.00	90.450	155.360	7762.16	277.11	283.04	1044.09	1726091.31	383141.91	39°32'52.3792"N	80°28'16.8636"W	1081.78	74.832	1.24	0.81	0.94
9678.00	89.650	155.760	7762.08	370.66	197.46	1082.98	1726130.20	383056.33	39°32'51.5375"N	80°28'16.3553"W	1100.84	79.667	0.05	-0.85	0.43

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9772.00	89.840	155.920	7762.50	464.17	111.70	1121.46	1726168.67	382970.57	39°32'50.0940"N	80°28'15.8524"W	1127.00	84.312	0.26	0.20	0.17
9866.00	89.720	155.350	7762.86	557.72	26.07	1160.23	1726207.45	382884.94	39°32'49.8519"N	80°28'15.3455"W	1160.53	88.713	0.62	-0.13	-0.61
9960.00	89.560	155.740	7763.45	651.27	-59.49	1199.15	1726246.37	382799.38	39°32'49.0104"N	80°28'14.8370"W	1200.62	92.840	0.45	-0.17	0.41
10055.00	89.530	153.840	7764.21	745.93	-145.44	1239.61	1726286.83	382713.43	39°32'48.1653"N	80°28'14.3086"W	1248.11	96.692	2.00	-0.03	-2.00
10149.00	89.750	154.970	7764.80	839.65	-230.21	1280.22	1726327.43	382628.66	39°32'47.3318"N	80°28'13.7786"W	1300.75	100.194	1.22	0.23	1.20
10243.00	89.690	154.790	7765.26	933.31	-315.32	1320.12	1726367.34	382543.55	39°32'46.4949"N	80°28'13.2575"W	1357.26	103.434	0.20	-0.06	-0.19
10337.00	89.650	153.140	7765.80	1027.08	-399.78	1361.38	1726408.59	382459.09	39°32'45.6646"N	80°28'12.7192"W	1418.86	106.365	1.76	-0.04	-1.76
10432.00	89.380	150.300	7766.60	1122.02	-483.43	1406.38	1726453.60	382375.45	39°32'44.8427"N	80°28'12.1332"W	1487.15	108.970	3.00	-0.28	-2.99
10526.00	89.690	147.370	7767.36	1215.99	-563.85	1455.02	1726502.23	382295.02	39°32'44.0530"N	80°28'11.5012"W	1560.45	111.182	3.13	0.33	-3.12
10620.00	90.120	154.960	7767.52	1309.90	-646.13	1500.32	1726547.54	382212.74	39°32'43.2446"N	80°28'10.9116"W	1633.54	113.300	8.09	0.46	8.07
10714.00	89.690	155.420	7767.68	1403.51	-731.46	1539.76	1726586.98	382127.41	39°32'42.4055"N	80°28'10.3964"W	1704.67	115.410	0.67	-0.46	0.49
10808.00	89.840	155.600	7768.06	1497.06	-817.07	1578.58	1726625.80	382041.80	39°32'41.5636"N	80°28'9.8891"W	1777.50	117.366	0.43	0.16	0.40
10902.00	89.660	155.820	7768.47	1590.57	-902.81	1617.10	1726664.31	381956.06	39°32'40.7202"N	80°28'9.3856"W	1852.05	119.174	0.19	-0.19	0.02
10996.00	89.290	155.100	7769.33	1684.14	-988.32	1656.14	1726703.35	381870.56	39°32'39.8793"N	80°28'8.8755"W	1928.61	120.827	0.86	-0.39	-0.77
11183.00	89.690	155.220	7771.00	1870.37	-1158.01	1734.69	1726781.90	381700.86	39°32'38.2106"N	80°28'7.8494"W	2085.70	123.726	0.22	0.21	0.06
11277.00	89.870	155.070	7771.36	1963.99	-1243.30	1774.20	1726821.41	381615.57	39°32'37.3718"N	80°28'7.3333"W	2166.47	125.022	0.25	0.19	-0.16
11371.00	89.750	155.750	7771.67	2057.57	-1328.78	1813.31	1726860.53	381530.10	39°32'36.5312"N	80°28'6.8223"W	2248.05	126.234	0.73	-0.13	0.72
11464.00	89.780	156.000	7772.05	2150.08	-1413.65	1851.32	1726898.54	381445.22	39°32'35.6964"N	80°28'6.3254"W	2329.34	127.365	0.27	0.03	0.27
11558.00	89.940	156.320	7772.28	2243.53	-1499.63	1889.32	1726936.53	381359.24	39°32'34.8507"N	80°28'5.8286"W	2412.14	128.441	0.38	0.17	0.34
11652.00	89.970	156.220	7772.36	2336.97	-1585.68	1927.15	1726974.38	381273.19	39°32'34.0043"N	80°28'5.3339"W	2495.66	129.448	0.11	0.03	-0.11
11746.00	90.000	156.430	7772.38	2430.39	-1671.77	1964.89	1727012.11	381187.10	39°32'33.1574"N	80°28'4.8402"W	2579.85	130.392	0.23	0.03	0.22
11840.00	90.000	156.120	7772.38	2523.83	-1757.83	2002.71	1727049.93	381101.05	39°32'32.3109"N	80°28'4.3456"W	2664.74	131.274	0.33	0.00	-0.33
11934.00	89.810	156.360	7772.54	2617.27	-1843.86	2040.59	1727087.80	381015.01	39°32'31.4647"N	80°28'3.8504"W	2750.24	132.101	0.33	-0.20	0.26
12028.00	89.260	155.800	7773.30	2710.74	-1929.78	2078.70	1727125.91	380929.09	39°32'30.6196"N	80°28'3.3521"W	2836.38	132.872	0.84	-0.59	-0.60
12122.00	90.120	156.030	7773.81	2804.23	-2015.60	2117.06	1727164.27	380843.28	39°32'29.7755"N	80°28'2.8507"W	2923.11	133.594	0.95	0.91	0.24
12216.00	89.690	155.320	7773.96	2897.77	-2101.25	2155.78	1727202.99	380757.62	39°32'28.9331"N	80°28'2.3447"W	3010.42	134.266	0.88	-0.46	-0.76
12310.00	90.000	156.290	7774.22	2991.28	-2186.99	2194.30	1727241.52	380671.88	39°32'28.0898"N	80°28'1.8411"W	3098.05	134.904	1.08	0.33	1.03
12404.00	90.220	156.310	7774.04	3084.71	-2273.07	2232.08	1727279.30	380585.81	39°32'27.2431"N	80°28'1.3470"W	3185.75	135.521	0.24	0.23	0.02
12498.00	89.570	156.290	7774.21	3178.14	-2359.14	2269.87	1727317.08	380499.74	39°32'26.3965"N	80°28'0.8529"W	3273.81	136.105	0.69	-0.69	-0.02
12592.00	89.320	155.370	7775.12	3271.65	-2444.89	2308.35	1727355.57	380413.98	39°32'25.5530"N	80°28'0.3499"W	3362.44	136.845	1.01	-0.27	-0.98

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
Field	Marion	API	47-049-02538-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

WELLPATH DATA (272 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]
12686.00	89.480	155.790	7776.10	3365.20	-2530.48	2347.21	1727394.43	380328.40	39°32'24.7113"N	80°27'59.8422"W	3451.48	137.152	0.48	0.17	0.45
12780.00	89.570	156.100	7776.88	3458.69	-2616.31	2385.53	1727432.74	380242.56	39°32'23.8670"N	80°27'59.3413"W	3540.60	137.642	0.34	0.10	0.33
12873.00	89.600	156.550	7777.56	3551.12	-2701.48	2422.87	1727470.08	380157.39	39°32'23.0293"N	80°27'58.8530"W	3628.81	138.112	0.48	0.03	0.48
12967.00	89.450	156.190	7778.34	3644.53	-2787.60	2460.55	1727507.76	380071.28	39°32'22.1822"N	80°27'58.3603"W	3718.20	138.566	0.41	-0.16	-0.38
13061.00	89.630	155.550	7779.09	3738.03	-2873.38	2498.97	1727546.19	379985.60	39°32'21.3384"N	80°27'57.8580"W	3808.04	138.987	0.71	0.19	-0.68
13155.00	89.230	155.670	7780.03	3831.58	-2958.99	2537.79	1727585.00	379899.89	39°32'20.4965"N	80°27'57.3508"W	3898.20	139.382	0.44	-0.43	0.13
13249.00	89.080	154.700	7781.41	3925.18	-3044.30	2577.23	1727624.45	379814.58	39°32'19.6575"N	80°27'56.8356"W	3988.72	139.750	1.04	-0.16	-1.03
13343.00	89.320	155.060	7782.72	4018.83	-3129.40	2617.13	1727664.35	379729.48	39°32'18.8207"N	80°27'56.3147"W	4079.52	140.094	0.46	0.26	0.38
13437.00	90.400	155.460	7782.95	4112.43	-3214.77	2656.47	1727703.69	379644.11	39°32'17.9811"N	80°27'55.8009"W	4170.32	140.432	1.23	1.15	0.43
13531.00	89.290	155.490	7783.21	4206.00	-3300.29	2695.49	1727742.70	379558.59	39°32'17.1401"N	80°27'55.2911"W	4261.17	140.760	1.18	-1.18	0.03
13625.00	90.310	155.170	7783.54	4299.59	-3385.70	2734.72	1727781.94	379473.17	39°32'16.3000"N	80°27'54.7786"W	4352.21	141.071	1.14	1.09	-0.34
13719.00	89.260	155.090	7783.89	4393.21	-3470.99	2774.26	1727821.47	379387.89	39°32'15.4613"N	80°27'54.2624"W	4443.45	141.366	1.12	-1.12	-0.09
13813.00	89.320	155.000	7785.05	4486.83	-3556.20	2813.91	1727861.13	379302.67	39°32'14.6233"N	80°27'53.7445"W	4534.83	141.647	0.12	0.06	-0.10
13907.00	89.260	154.910	7786.22	4580.47	-3641.36	2853.70	1727900.92	379217.52	39°32'13.7859"N	80°27'53.2250"W	4626.35	141.915	0.12	-0.06	-0.10
14001.00	89.380	155.020	7787.33	4674.11	-3726.52	2893.48	1727940.69	379132.36	39°32'12.9485"N	80°27'52.7056"W	4717.96	142.172	0.17	0.13	0.12
14095.00	89.260	155.210	7788.45	4767.73	-3811.79	2933.03	1727980.24	379047.09	39°32'12.1100"N	80°27'52.1891"W	4809.61	142.423	0.24	-0.13	0.20
14188.00	90.340	155.250	7788.78	4860.34	-3896.23	2971.99	1728019.21	378962.65	39°32'11.2795"N	80°27'51.6803"W	4900.34	142.664	1.16	1.16	0.04
14282.00	89.780	155.430	7788.68	4953.93	-3981.66	3011.21	1728058.43	378877.22	39°32'10.4394"N	80°27'51.1680"W	4992.09	142.901	0.63	-0.60	0.19
14376.00	89.480	155.570	7789.28	5047.49	-4067.19	3050.19	1728097.41	378791.69	39°32'9.5982"N	80°27'50.6587"W	5083.87	143.132	0.35	-0.32	0.15
14470.00	89.910	155.700	7789.78	5141.04	-4152.82	3088.97	1728136.19	378706.06	39°32'8.7560"N	80°27'50.1621"W	5175.68	143.357	0.48	0.46	0.14
14563.00	89.880	155.880	7789.95	5233.56	-4237.64	3127.11	1728174.32	378621.24	39°32'7.9217"N	80°27'49.6537"W	5266.53	143.575	0.20	-0.03	0.19
14657.00	89.350	154.800	7790.59	5327.15	-4323.06	3166.33	1728213.54	378535.82	39°32'7.0816"N	80°27'49.1414"W	5358.59	143.780	1.28	-0.56	-1.15
14751.00	88.830	153.980	7792.08	5420.86	-4407.81	3206.95	1728254.17	378451.06	39°32'6.2483"N	80°27'48.6113"W	5451.00	143.962	1.03	-0.55	-0.87
14845.00	90.950	156.330	7792.26	5514.46	-4493.10	3246.44	1728293.66	378365.78	39°32'5.4095"N	80°27'48.0956"W	5543.23	144.150	3.37	2.26	2.50
14938.00	90.660	156.490	7790.95	5606.87	-4578.32	3283.66	1728330.87	378280.56	39°32'4.5712"N	80°27'47.6090"W	5634.13	144.351	0.36	-0.31	0.17
15032.00	87.850	154.480	7792.18	5700.42	-4663.83	3322.65	1728369.86	378195.05	39°32'3.7303"N	80°27'47.0996"W	5726.37	144.533	3.68	-2.99	-2.14
15126.00	88.720	154.070	7794.99	5794.11	-4748.47	3363.43	1728410.65	378110.41	39°32'2.8980"N	80°27'46.5675"W	5818.99	144.689	1.02	0.93	-0.44
15221.00	89.610	154.300	7796.37	5888.84	-4833.98	3404.80	1728452.01	378024.90	39°32'2.0573"N	80°27'46.0279"W	5912.70	144.841	0.97	0.94	0.24
15315.00	89.610	154.480	7797.01	5982.56	-4918.75	3445.43	1728492.64	377940.13	39°32'1.2239"N	80°27'45.4978"W	6005.42	144.990	0.19	0.00	0.19
15409.00	89.490	154.020	7797.75	6076.30	-5003.41	3486.26	1728533.48	377855.47	39°32'0.3914"N	80°27'44.9650"W	6098.21	145.132	0.51	-0.13	-0.49

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
Field	Marion	API	47-049-02538-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

WELLPATH DATA (272 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]
15504.00	89.460	154.050	7798.62	6171.06	-5088.82	3527.86	1728575.07	377770.06	39°31'59.5517"N	80°27'44.4225"W	6192.08	145.268	0.04	-0.03	0.03
15598.00	89.610	153.900	7799.38	6264.83	-5173.28	3569.10	1728616.31	377685.60	39°31'58.7213"N	80°27'43.8846"W	6285.01	145.398	0.23	0.16	-0.16
15692.00	89.790	154.060	7799.88	6358.60	-5257.75	3610.33	1728657.55	377601.13	39°31'57.8908"N	80°27'43.3467"W	6377.97	145.524	0.26	0.19	0.17
15785.00	89.920	154.170	7800.11	6451.36	-5341.42	3650.93	1728698.15	377517.46	39°31'57.0682"N	80°27'42.8171"W	6469.94	145.647	0.18	0.14	0.12
15879.00	89.870	154.100	7800.45	6545.11	-5426.01	3691.94	1728739.15	377432.88	39°31'56.2366"N	80°27'42.2822"W	6562.92	145.768	0.28	-0.27	-0.07
15973.00	89.920	153.840	7800.78	6638.89	-5510.47	3733.19	1728780.40	377348.41	39°31'55.4061"N	80°27'41.7442"W	6655.97	145.883	0.38	0.27	-0.28
16067.00	89.790	155.030	7801.02	6732.60	-5595.27	3773.76	1728820.97	377263.62	39°31'54.5724"N	80°27'41.2149"W	6748.94	146.002	1.27	-0.14	1.27
16161.00	89.790	155.130	7801.37	6826.23	-5680.51	3813.36	1728860.57	377178.37	39°31'53.7340"N	80°27'40.6978"W	6841.78	146.126	0.11	0.00	0.11
16255.00	90.040	155.200	7801.51	6919.85	-5765.82	3852.84	1728900.06	377093.06	39°31'52.8951"N	80°27'40.1823"W	6934.63	146.248	0.28	0.27	0.07
16349.00	89.980	155.230	7801.49	7013.46	-5851.16	3892.25	1728939.46	377007.72	39°31'52.0558"N	80°27'39.6677"W	7027.50	146.368	0.07	-0.06	0.03
16443.00	90.070	154.780	7801.45	7107.10	-5936.36	3931.97	1728979.18	376922.52	39°31'51.2180"N	80°27'39.1492"W	7120.44	146.481	0.49	0.10	-0.48
16538.00	90.010	155.170	7801.38	7201.74	-6022.44	3972.15	1729019.37	376836.44	39°31'50.3714"N	80°27'38.6245"W	7214.41	146.593	0.42	-0.06	0.41
16632.00	89.920	154.830	7801.44	7295.38	-6107.63	4011.88	1729059.09	376751.25	39°31'49.5337"N	80°27'38.1059"W	7307.42	146.701	0.37	-0.10	-0.36
16726.00	90.040	154.780	7801.47	7389.05	-6192.69	4051.90	1729099.11	376666.19	39°31'48.6972"N	80°27'37.5836"W	7400.49	146.803	0.14	0.13	-0.05
16820.00	89.920	154.720	7801.51	7482.72	-6277.71	4091.99	1729139.20	376581.17	39°31'47.8612"N	80°27'37.0603"W	7493.60	146.903	0.14	-0.13	-0.06
16914.00	89.920	155.070	7801.64	7576.38	-6362.83	4131.88	1729179.09	376496.06	39°31'47.0242"N	80°27'36.5397"W	7586.70	147.001	0.37	0.00	0.37
17008.00	89.860	155.150	7801.82	7670.00	-6448.10	4171.44	1729218.65	376410.79	39°31'46.1856"N	80°27'36.0232"W	7679.77	147.100	0.11	-0.06	0.09
17103.00	90.350	155.070	7801.64	7764.62	-6534.27	4211.42	1729258.63	376324.61	39°31'45.3381"N	80°27'35.5011"W	7773.85	147.198	0.52	0.52	-0.08
17197.00	90.470	155.380	7800.97	7858.23	-6619.62	4250.81	1729298.02	376239.27	39°31'44.4988"N	80°27'34.9868"W	7866.94	147.293	0.35	0.13	0.33
17291.00	90.290	155.090	7800.35	7951.83	-6704.97	4290.19	1729337.40	376153.91	39°31'43.6594"N	80°27'34.4726"W	7960.05	147.387	0.36	-0.19	-0.31
17385.00	90.570	155.090	7799.64	8045.46	-6790.22	4329.78	1729376.99	376068.66	39°31'42.8210"N	80°27'33.9558"W	8053.21	147.476	0.30	0.30	0.00
17479.00	90.350	154.940	7798.89	8139.09	-6875.42	4369.48	1729416.69	375983.46	39°31'41.9831"N	80°27'33.4375"W	8146.40	147.563	0.28	-0.23	-0.16
17573.00	89.760	154.150	7798.80	8232.79	-6960.30	4409.88	1729457.09	375898.59	39°31'41.1485"N	80°27'32.9103"W	8239.71	147.643	1.05	-0.63	-0.84
17668.00	89.700	155.150	7799.24	8327.48	-7046.15	4450.55	1729497.76	375812.74	39°31'40.3043"N	80°27'32.3796"W	8334.00	147.722	1.05	-0.06	1.05
17762.00	89.950	154.910	7799.53	8421.11	-7131.36	4490.23	1729537.45	375727.52	39°31'39.4663"N	80°27'31.8615"W	8427.25	147.804	0.37	0.27	-0.26
17856.00	89.270	154.280	7800.17	8514.81	-7216.27	4530.56	1729577.77	375642.62	39°31'38.6134"N	80°27'31.3353"W	8520.59	147.878	0.99	-0.72	-0.67
17951.00	89.580	154.640	7801.12	8609.51	-7301.98	4571.52	1729618.73	375556.90	39°31'37.7866"N	80°27'30.8010"W	8614.97	147.951	0.50	0.33	0.38
18044.00	89.520	154.720	7801.86	8702.20	-7386.04	4611.29	1729658.50	375472.84	39°31'36.9620"N	80°27'30.2820"W	8707.33	148.022	0.11	-0.06	0.09
18139.00	90.010	154.690	7802.24	8796.88	-7471.93	4651.88	1729699.09	375386.95	39°31'36.1174"N	80°27'29.7523"W	8801.69	148.094	0.52	0.52	-0.03
18232.00	90.010	154.820	7802.23	8889.56	-7556.05	4691.54	1729738.75	375302.83	39°31'35.2902"N	80°27'29.2347"W	8894.07	148.164	0.14	0.00	0.14

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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]
18326.00	90.010	154.820	7802.21	8983.22	-7641.12	4731.54	1729778.75	375217.76	39°31'34.4537"N	80°27'28.7127"W	8987.45	148.233	0.00	0.00	0.00
18420.00	90.010	154.560	7802.20	9076.91	-7726.10	4771.72	1729818.93	375132.79	39°31'33.6180"N	80°27'28.1883"W	9080.85	148.300	0.28	0.00	-0.28
18514.00	89.980	154.660	7802.20	9170.60	-7811.02	4812.03	1729859.24	375047.87	39°31'32.7830"N	80°27'27.6624"W	9174.29	148.365	0.11	-0.03	0.11
18608.00	90.010	154.530	7802.21	9264.30	-7895.93	4852.36	1729899.57	374962.96	39°31'31.9480"N	80°27'27.1362"W	9267.74	148.428	0.14	0.03	-0.14
18702.00	89.890	154.850	7802.29	9357.98	-7980.90	4892.54	1729939.75	374877.98	39°31'31.1124"N	80°27'26.6118"W	9361.19	148.490	0.36	-0.13	0.34
18891.00	89.920	154.450	7802.61	9546.35	-8151.70	4973.46	1730020.67	374707.18	39°31'29.4329"N	80°27'25.5560"W	9549.12	148.612	0.21	0.02	-0.21
18985.00	90.160	154.580	7802.54	9640.06	-8236.56	5013.91	1730061.12	374622.33	39°31'28.5985"N	80°27'25.0283"W	9642.62	148.670	0.29	0.26	0.14
19079.00	89.670	154.620	7802.68	9733.76	-8321.47	5054.23	1730101.44	374537.42	39°31'27.7635"N	80°27'24.5022"W	9736.12	148.727	0.52	-0.52	0.04
19173.00	89.700	154.660	7803.20	9827.45	-8406.41	5094.49	1730141.70	374452.48	39°31'26.9283"N	80°27'23.9789"W	9829.63	148.783	0.05	0.03	0.04
19267.00	89.790	154.480	7803.62	9921.15	-8491.30	5134.85	1730182.08	374367.58	39°31'26.0935"N	80°27'23.4503"W	9923.15	148.838	0.21	0.10	-0.19
19361.00	89.830	155.420	7803.93	10014.79	-8576.46	5174.65	1730221.86	374282.43	39°31'25.2560"N	80°27'22.9308"W	10016.62	148.895	1.00	0.04	1.00
19455.00	89.790	155.630	7804.24	10108.35	-8662.01	5213.60	1730260.80	374196.87	39°31'24.4146"N	80°27'22.4222"W	10110.00	148.957	0.23	-0.04	0.22
19643.00	89.700	155.340	7805.08	10295.49	-8833.06	5291.60	1730338.81	374025.82	39°31'22.7323"N	80°27'21.4036"W	10296.80	149.076	0.16	-0.05	-0.15
19736.00	89.760	155.560	7805.51	10388.06	-8917.65	5330.24	1730377.45	373941.23	39°31'21.9003"N	80°27'20.8990"W	10389.23	149.132	0.25	0.06	0.24
19831.00	89.890	155.430	7805.81	10482.62	-9004.10	5369.64	1730416.85	373854.79	39°31'21.0501"N	80°27'20.3844"W	10483.65	149.190	0.19	0.14	-0.14
19925.00	90.160	155.430	7805.76	10576.20	-9089.59	5408.73	1730455.94	373769.30	39°31'20.2093"N	80°27'19.8741"W	10577.09	149.245	0.29	0.29	0.00
20019.00	90.130	155.390	7805.53	10669.78	-9175.06	5447.85	1730495.05	373683.83	39°31'19.3686"N	80°27'19.3633"W	10670.56	149.300	0.05	-0.03	-0.04
20113.00	90.100	155.000	7805.34	10763.39	-9260.39	5487.28	1730534.49	373598.50	39°31'18.5294"N	80°27'18.8485"W	10764.06	149.351	0.42	-0.03	-0.41
20207.00	90.040	155.290	7805.22	10857.01	-9345.68	5526.79	1730574.00	373513.21	39°31'17.6906"N	80°27'18.3328"W	10857.59	149.401	0.32	-0.06	0.31
20301.00	89.820	155.370	7805.26	10950.60	-9431.10	5566.03	1730613.24	373427.79	39°31'16.8505"N	80°27'17.8205"W	10951.09	149.452	0.15	-0.13	0.09
20395.00	90.010	155.480	7805.31	11044.18	-9516.59	5605.12	1730652.33	373342.30	39°31'16.0087"N	80°27'17.3101"W	11044.58	149.503	0.15	0.10	0.12
20489.00	90.230	155.450	7805.12	11137.75	-9602.10	5644.15	1730691.36	373256.79	39°31'15.1687"N	80°27'16.8004"W	11138.08	149.553	0.24	0.23	-0.03
20583.00	89.980	155.390	7804.94	11231.33	-9687.58	5683.25	1730730.46	373171.31	39°31'14.3279"N	80°27'16.2898"W	11231.59	149.602	0.27	-0.27	-0.06
20678.00	90.040	155.250	7804.93	11325.92	-9773.90	5722.92	1730770.13	373084.99	39°31'13.4790"N	80°27'15.7720"W	11326.12	149.650	0.16	0.06	-0.15
20773.00	90.010	155.590	7804.89	11420.49	-9860.29	5762.44	1730809.65	372998.80	39°31'12.6293"N	80°27'15.2580"W	11420.64	149.698	0.36	-0.03	0.36
20867.00	89.950	155.400	7804.92	11514.06	-9945.83	5801.43	1730848.63	372913.06	39°31'11.7880"N	80°27'14.7468"W	11514.17	149.745	0.21	-0.06	-0.20
20962.00	89.980	154.130	7804.98	11608.73	-10031.76	5841.93	1730889.13	372827.13	39°31'10.9430"N	80°27'14.2184"W	11608.80	149.786	1.34	0.03	-1.34
21057.00	90.410	154.900	7804.65	11703.43	-10117.51	5882.80	1730930.01	372741.38	39°31'10.0997"N	80°27'13.6852"W	11703.48	149.824	0.93	0.45	0.81
21151.00	90.630	152.580	7803.80	11797.22	-10201.80	5924.39	1730971.59	372657.09	39°31'9.2710"N	80°27'13.1432"W	11797.25	149.855	2.48	0.23	-2.47
21245.00	90.470	150.710	7802.90	11891.17	-10284.52	5969.03	1731016.23	372574.37	39°31'8.4582"N	80°27'12.5624"W	11891.20	149.870	2.00	-0.17	-1.99

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Actual Wellpath Report

Vanderbilt 10H AWP Proj: 21365'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
Field	Marion	API	47-049-02538-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

WELLPATH DATA (272 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]
21340.00	90.410	151.190	7802.17	11986.15	-10367.56	6015.15	1731062.36	372491.33	39°31'7.6423"N	80°27'11.9625"W	11986.18	149.878	0.51	-0.06	0.51
21365.00‡	90.410	151.190	7801.99	12011.15	-10389.47	6027.20	1731074.41	372469.42	39°31'7.4270"N	80°27'11.8058"W	12011.17	149.881	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Vanderbilt 10H AWB Ref Wellpath: Vanderbilt 10H AWP Proj: 21365'

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	1261.00	1233.00	28.00	1260.99	0.00	0.00	1.22	-3.12
13.375in Casing Surface	28.00	1261.00	1233.00	28.00	1260.99	0.00	0.00	1.22	-3.12
12.25in Open Hole	1261.00	2698.00	1437.00	1260.99	2697.83	1.22	-3.12	4.88	-24.21
9.625in Casing Intermediate	28.00	2698.00	2670.00	28.00	2697.83	0.00	0.00	4.88	-24.21
8.75in Open Hole	2698.00	7263.00	4565.00	2697.83	6891.91	4.88	-24.21	1695.75	143.24
8.5in Open Hole	7263.00	21365.00	14102.00	6891.91	7801.99	1695.75	143.24	-10389.47	6027.20
5.5in Casing Production	28.00	21365.00	21337.00	28.00	7801.99	0.00	0.00	-10389.47	6027.20

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Vanderbilt 10H BHL Rev-1	7750.00	-10400.21	6008.15	1731055.36	372458.68	39°31'7.3189"N	80°27'12.0475"W	point
Vanderbilt 10H LP Rev-1	7750.00	1239.04	580.16	1725627.38	384097.91	39°33'1.7780"N	80°28'22.9182"W	point

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Vanderbilt 10H AWP Proj: 21365'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
Field	Marion	API	47-049-02538-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

WELLPATH COMPOSITION - Ref Wellbore: Vanderbilt 10H AWB Ref Wellpath: Vanderbilt 10H AWP Proj: 21365'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2673.00	Gyrodatta 2015 - CT+WIR+DPIPE	01 Gyrodatta Cont. Gyro <12-1/4"> (100'-2658')	Vanderbilt 10H AWB	12/26/2024
2673.00	7183.00	OWSG MWD rev2 + HRGM	02 SDI MWD <8-3/4"> (2658')(2737'-7168')	Vanderbilt 10H AWB	12/26/2024
7183.00	21365.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7183')(7223'-21340')	Vanderbilt 10H AWB	12/26/2024

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Vanderbilt 10H AWP Proj: 21365'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Vanderbilt 10H
Field	Marion	API	47-049-02538-0000
Facility	Vanderbilt Pad	Wellbore	Vanderbilt 10H AWB
Slot	Slot #10		

COMMENTS

Wellpath general comments

API: 47-049-02538-0000

BH Job #: 112536640

Rig: Patterson 294

Duration: 1/1/2025-1/4/2025

Gyrodata Cont. Gyro <12-1/4"> (100'-2658')

SDI MWD <8-3/4"> (2658')(2737'-7168')

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7183')(7223'-21340')

Projected MD at TD: 21365'

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EQT PRODUCTION COMPANY

Location: Marion County, WV
Field: Marion
Facility: Vanderbilt Pad

Slot: Slot #10
Well: Vanderbilt 10H
Wellbore: Vanderbilt 10H AWB



KB Elevation=1386 FT
Ground Elevation=1358 FT
All Survey Measurements were taken from KB Elevation

