



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 1 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Deergai
Scale	0.999942	Report Generated	6/24/2024 at 10:14:38 AM
Convergence at slot	0.60° 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	88.05	18.60	1735843.68	374293.66	39°31'25.9524"N	80°26'11.1914"W
Facility Reference Pt			1735825.08	374205.61	39°31'25.0803"N	80°26'11.4171"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 292 (RKB) to Facility Vertical Datum	1346.00ft
Horizontal Reference Pt	Slot	Patterson 292 (RKB) to Mean Sea Level	1346.00ft
Vertical Reference Pt	Patterson 292 (RKB)	Patterson 292 (RKB) to Ground Level at Slot (Slot 13)	28.00ft
MD Reference Pt	Patterson 292 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	340.82°



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Page 2 of 12



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WELLPATH DATA (287 stations) † = Interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
0.00†	0.000	181.880	0.00	-1346.00	0.00	0.00	0.00	1735843.68	374293.66	39°31'25.9524"N	80°26'11.1914"W	0.00	0.000	0.00	0.00	0.00	
28.00	0.000	181.880	28.00	-1318.00	0.00	0.00	0.00	1735843.68	374293.66	39°31'25.9524"N	80°26'11.1914"W	0.00	0.000	0.00	0.00	0.00	
115.00	0.420	181.880	115.00	-1231.00	-0.30	-0.32	-0.01	1735843.67	374293.34	39°31'25.9493"N	80°26'11.1915"W	0.32	181.880	0.48	0.48	0.00	01 Gyro
215.00	0.330	174.340	215.00	-1131.00	-0.92	-0.97	0.01	1735843.69	374292.69	39°31'25.9428"N	80°26'11.1912"W	0.97	179.651	0.10	-0.09	-7.54	
315.00	0.300	140.380	315.00	-1031.00	-1.44	-1.46	0.20	1735843.88	374292.20	39°31'25.9380"N	80°26'11.1887"W	1.47	172.150	0.19	-0.03	-33.96	
415.00	0.350	159.080	414.99	-931.01	-2.00	-1.95	0.48	1735844.16	374291.71	39°31'25.9332"N	80°26'11.1851"W	2.00	166.225	0.12	0.05	18.70	
515.00	0.220	155.010	514.99	-831.01	-2.49	-2.41	0.67	1735844.35	374291.25	39°31'25.9287"N	80°26'11.1826"W	2.50	164.496	0.13	-0.13	-4.07	
615.00	0.370	144.700	614.99	-731.01	-2.99	-2.84	0.94	1735844.62	374290.82	39°31'25.9244"N	80°26'11.1791"W	2.99	161.797	0.16	0.15	-10.31	
715.00	0.270	138.080	714.99	-631.01	-3.52	-3.28	1.28	1735844.96	374290.38	39°31'25.9201"N	80°26'11.1747"W	3.52	158.710	0.11	-0.10	-6.62	
815.00	0.200	149.140	814.99	-531.01	-3.91	-3.61	1.53	1735845.21	374290.05	39°31'25.9169"N	80°26'11.1715"W	3.92	157.071	0.08	-0.07	-11.06	
915.00	0.210	151.720	914.99	-431.01	-4.26	-3.92	1.70	1735845.38	374289.74	39°31'25.9139"N	80°26'11.1692"W	4.27	156.519	0.01	0.01	2.58	
1015.00	0.200	187.470	1014.99	-331.01	-4.60	-4.25	1.77	1735845.45	374289.41	39°31'25.9106"N	80°26'11.1683"W	4.61	157.445	0.13	-0.01	35.75	
1115.00	0.230	144.070	1114.99	-231.01	-4.95	-4.59	1.86	1735845.54	374289.07	39°31'25.9073"N	80°26'11.1671"W	4.95	157.918	0.16	0.03	-43.40	
1215.00	0.210	103.040	1214.99	-131.01	-5.24	-4.79	2.16	1735845.84	374288.87	39°31'25.9053"N	80°26'11.1633"W	5.26	155.760	0.16	-0.02	-41.03	
1315.00	0.190	125.890	1314.99	-31.01	-5.47	-4.93	2.47	1735846.15	374288.73	39°31'25.9039"N	80°26'11.1593"W	5.52	153.387	0.03	-0.02	22.85	
1415.00	0.400	124.370	1414.98	68.98	-5.89	-5.23	2.89	1735846.57	374288.43	39°31'25.9011"N	80°26'11.1538"W	5.97	151.028	0.21	0.21	-1.52	
1515.00	0.530	109.470	1514.98	168.98	-6.46	-5.58	3.62	1735847.30	374288.08	39°31'25.8977"N	80°26'11.1445"W	6.65	147.030	0.18	0.13	-14.90	
1615.00	0.540	125.450	1614.98	268.98	-7.13	-6.00	4.44	1735848.12	374287.66	39°31'25.8935"N	80°26'11.1340"W	7.47	143.534	0.15	0.01	15.98	
1715.00	0.590	102.600	1714.97	368.97	-7.78	-6.39	5.32	1735849.00	374287.27	39°31'25.8898"N	80°26'11.1227"W	8.32	140.200	0.23	0.05	-22.85	
1815.00	0.490	101.950	1814.97	468.97	-8.26	-6.59	6.24	1735849.92	374286.87	39°31'25.8875"N	80°26'11.1109"W	9.08	136.545	0.10	-0.10	-0.66	
1915.00	0.390	113.720	1914.96	568.96	-8.73	-6.82	6.97	1735850.65	374286.84	39°31'25.8858"N	80°26'11.1015"W	9.75	134.342	0.13	-0.10	11.77	
2015.00	0.390	141.900	2014.96	668.96	-9.28	-7.22	7.50	1735851.18	374286.44	39°31'25.8818"N	80°26'11.0948"W	10.41	133.929	0.19	0.00	28.18	
2115.00	0.680	184.100	2114.96	768.96	-10.15	-8.08	7.66	1735851.34	374285.58	39°31'25.8733"N	80°26'11.0926"W	11.14	136.517	0.47	0.29	42.20	
2215.00	0.450	154.610	2214.95	868.95	-11.09	-9.03	7.79	1735851.47	374284.63	39°31'25.8640"N	80°26'11.0908"W	11.92	139.209	0.36	-0.23	-29.49	
2315.00	0.280	165.540	2314.95	958.95	-11.72	-9.62	8.02	1735851.70	374284.04	39°31'25.8562"N	80°26'11.0878"W	12.52	140.782	0.18	-0.17	10.93	
2415.00	0.220	134.550	2414.95	1068.95	-12.13	-9.99	8.22	1735851.90	374283.87	39°31'25.8545"N	80°26'11.0853"W	12.93	140.562	0.15	-0.06	-30.99	
2515.00	0.330	162.470	2514.95	1168.95	-12.59	-10.40	8.44	1735852.12	374283.26	39°31'25.8505"N	80°26'11.0823"W	13.39	140.936	0.17	0.11	27.92	
2615.00	0.210	149.680	2614.95	1268.95	-13.06	-10.83	8.62	1735852.30	374282.83	39°31'25.8463"N	80°26'11.0800"W	13.84	141.489	0.13	-0.12	-12.79	
2663.00	0.170	162.000	2662.95	1316.95	-13.22	-10.98	8.69	1735852.37	374282.68	39°31'25.8448"N	80°26'11.0791"W	14.00	141.642	0.12	-0.08	25.67	
2751.00	0.210	206.080	2750.95	1404.95	-13.48	-11.24	8.66	1735852.34	374282.42	39°31'25.8422"N	80°26'11.0795"W	14.19	142.413	0.17	0.05	50.09	12 SDI MWD



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Carnegie 13H Proj: 26646

Page 3 of 12



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Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2837.00	1.340	247.590	2836.94	1490.84	-13.63	-11.77	7.66	1735851.34	374281.89	39°31'25.8369"N	80°26'11.0922"W	14.04	146.955	1.38	1.31	48.27	KOP
2924.00	2.210	254.020	2923.90	1577.90	-13.60	-12.62	5.10	1735848.78	374281.04	39°31'25.8282"N	80°26'11.1246"W	13.61	157.981	1.02	1.00	7.39	
3010.00	1.520	269.650	3009.85	1663.85	-13.13	-13.08	2.37	1735846.05	374280.58	39°31'25.8234"N	80°26'11.1595"W	13.30	169.738	0.99	-0.80	18.17	
3097.00	1.240	281.410	3096.83	1750.83	-12.28	-12.90	0.29	1735843.97	374280.76	39°31'25.8249"N	80°26'11.1860"W	12.91	178.704	0.46	-0.32	13.52	
3183.00	1.700	275.090	3182.90	1836.80	-11.26	-12.60	-1.06	1735841.72	374281.05	39°31'25.8277"N	80°26'11.2148"W	12.75	188.833	0.67	0.64	-1.35	
3270.00	1.190	276.640	3269.77	1923.77	-10.32	-12.38	-4.18	1735839.50	374281.28	39°31'25.8296"N	80°26'11.2431"W	13.06	198.653	0.74	-0.74	1.78	
3357.00	1.120	278.250	3356.75	2010.75	-9.57	-12.19	-5.89	1735837.79	374281.47	39°31'25.8314"N	80°26'11.2650"W	13.53	205.802	0.04	-0.03	-0.45	
3443.00	0.260	41.270	3442.74	2096.74	-9.12	-11.95	-6.80	1735837.08	374281.71	39°31'25.8337"N	80°26'11.2740"W	13.65	208.910	1.50	-1.00	145.37	
3529.00	2.300	76.450	3528.72	2182.72	-9.19	-11.40	-4.79	1735838.89	374282.26	39°31'25.8393"N	80°26'11.2511"W	12.36	202.804	2.43	2.37	-40.91	
3615.00	4.080	87.470	3615.58	2269.58	-9.72	-10.32	-0.07	1735843.61	374283.34	39°31'25.8605"N	80°26'11.1910"W	10.32	160.405	2.05	2.05	1.47	
3702.00	4.440	78.740	3701.34	2355.34	-10.53	-9.00	6.18	1735849.86	374284.66	39°31'25.8641"N	80°26'11.1114"W	10.92	145.534	0.43	0.42	1.48	
3788.00	5.420	81.910	3787.02	2441.02	-11.77	-7.78	13.46	1735857.14	374285.88	39°31'25.8769"N	80°26'11.0186"W	15.55	120.019	1.18	1.14	3.69	
3875.00	7.400	88.500	3873.48	2527.48	-14.26	-7.06	23.13	1735866.81	374286.60	39°31'25.8851"N	80°26'10.8953"W	24.19	106.960	2.42	2.28	7.57	
3961.00	9.960	86.230	3958.48	2612.48	-17.92	-6.42	36.05	1735879.77	374287.24	39°31'25.8927"N	80°26'10.7300"W	36.66	100.087	3.00	2.99	-2.64	
4047.00	12.330	73.120	4042.66	2698.66	-21.03	-4.20	51.54	1735896.22	374289.48	39°31'25.9162"N	80°26'10.5705"W	52.70	94.569	3.18	2.76	-6.27	
4134.00	14.760	77.560	4127.44	2781.44	-23.87	-0.06	72.48	1735916.16	374293.60	39°31'25.9593"N	80°26'10.2666"W	72.48	90.046	2.81	2.78	-1.79	
4211.00	15.050	77.630	4201.85	2865.85	-26.20	4.19	91.81	1735935.49	374297.85	39°31'26.0033"N	80°26'10.0204"W	91.91	87.384	0.39	0.39	0.09	
4298.00	15.850	76.980	4285.70	2939.70	-28.82	9.29	114.42	1735958.10	374302.95	39°31'26.0560"N	80°26'9.7325"W	114.80	85.358	0.94	0.92	-0.75	
4384.00	16.690	75.590	4368.26	3022.26	-31.10	15.01	137.83	1735981.51	374308.67	39°31'26.1150"N	80°26'9.4346"W	138.64	83.785	1.08	0.98	-1.62	
4470.00	17.680	75.440	4450.42	3104.42	-35.18	21.37	162.43	1736005.19	374315.03	39°31'26.1804"N	80°26'9.1215"W	183.83	82.505	1.15	1.15	-0.17	
4557.00	19.300	75.630	4532.92	3186.92	-35.45	28.26	189.14	1736032.82	374321.92	39°31'26.2512"N	80°26'8.7815"W	191.24	81.503	1.66	1.66	0.22	
4643.00	21.890	74.160	4613.42	3267.42	-37.58	36.19	218.34	1736062.02	374329.82	39°31'26.3323"N	80°26'8.4100"W	221.31	80.596	3.07	3.01	-1.71	
4730.00	23.870	71.630	4693.57	3347.57	-38.77	46.14	250.65	1736094.33	374339.80	39°31'26.4342"N	80°26'7.9990"W	254.86	79.670	2.54	2.28	-2.91	
4816.00	25.230	74.040	4771.80	3425.80	-40.05	56.66	284.79	1736128.47	374350.32	39°31'26.5417"N	80°26'7.5647"W	290.37	78.748	1.96	1.58	2.80	
4902.00	27.230	76.110	4852.96	3502.96	-42.80	66.42	321.51	1736165.19	374360.08	39°31'26.6420"N	80°26'7.0974"W	328.90	78.327	2.55	2.31	3.41	
4989.00	29.330	76.390	4925.56	3579.56	-46.79	76.21	361.54	1736205.22	374369.87	39°31'26.7429"N	80°26'6.5875"W	369.48	78.098	2.43	2.43	0.32	
5075.00	28.170	73.950	5000.96	3654.96	-49.95	86.78	401.52	1736245.20	374380.44	39°31'26.8515"N	80°26'6.0791"W	410.79	77.804	1.92	-1.35	-2.84	
5162.00	27.710	70.370	5077.83	3731.83	-50.91	99.26	440.31	1736283.99	374392.92	39°31'26.9788"N	80°26'5.5857"W	451.36	77.296	2.00	-0.53	-4.11	
5248.00	28.120	70.450	5153.82	3807.82	-50.62	112.76	478.24	1736321.92	374406.42	39°31'27.1161"N	80°26'5.1035"W	491.36	76.733	0.48	0.48	0.09	
5335.00	27.890	71.470	5230.63	3884.63	-50.76	126.05	516.87	1736360.65	374419.71	39°31'27.2614"N	80°26'4.6123"W	532.02	78.295	0.68	-0.29	1.39	



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Carnegie 13H Proj: 26646'

Page 4 of 12



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Facility	Carnegie Pad	Wellbore	Carnegie 13H
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WELLPATH DATA (287 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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 [ft/100ft]	Comments
5421.00	28.360	73.310	5306.48	3960.48	-51.91	138.28	555.52	1736399.20	374431.94	39°31'27.3762"N	80°26'4.1208"W	572.47	76.022	1.10	0.55	2.02	
5508.00	31.090	77.100	5382.03	4036.03	-55.26	149.23	597.22	1736440.90	374442.89	39°31'27.4888"N	80°26'3.5901"W	615.58	75.971	3.81	3.14	4.36	
5594.00	29.940	77.010	5458.12	4110.12	-60.01	159.01	639.77	1736483.45	374452.67	39°31'27.5898"N	80°26'3.0483"W	659.24	76.042	1.34	-1.34	-0.10	
5680.00	30.100	74.430	5530.58	4184.58	-63.68	169.62	681.46	1736525.14	374463.28	39°31'27.6990"N	80°26'2.5177"W	702.25	76.022	1.51	0.19	-3.00	
5767.00	30.710	75.970	5605.62	4259.62	-67.05	180.86	724.03	1736567.71	374474.52	39°31'27.8145"N	80°26'1.9760"W	748.28	75.974	1.14	0.70	1.77	
5853.00	30.670	77.000	5679.57	4333.57	-71.38	191.12	766.71	1736610.39	374484.78	39°31'27.9202"N	80°26'1.4327"W	790.17	76.003	0.61	-0.05	1.20	
5939.00	29.640	77.400	5753.94	4407.94	-76.18	200.70	808.83	1736652.51	374494.36	39°31'28.0192"N	80°26'0.8964"W	833.36	76.065	1.22	-1.20	0.47	
6017.00	29.190	77.290	5821.88	4475.88	-80.53	209.09	846.21	1736689.89	374502.75	39°31'28.1060"N	80°26'0.4205"W	871.66	76.121	0.58	-0.58	-0.14	
6104.00	29.180	78.810	5897.84	4551.84	-85.87	217.67	887.71	1736731.39	374511.53	39°31'28.1970"N	80°25'59.8921"W	914.06	76.210	0.85	-0.01	1.75	
6190.00	27.630	77.280	5973.48	4627.48	-91.03	226.33	927.73	1736771.41	374519.99	39°31'28.2848"N	80°25'59.3626"W	954.94	76.290	1.39	-1.80	-1.75	
6277.00	26.200	73.390	6051.06	4705.06	-94.18	236.27	965.82	1736809.50	374529.92	39°31'28.3868"N	80°25'58.8978"W	994.30	76.254	2.61	-1.64	-4.47	
6363.00	25.900	71.210	6128.33	4782.33	-95.14	247.74	1001.80	1736845.47	374541.40	39°31'28.5040"N	80°25'58.4402"W	1031.97	76.110	1.17	-0.35	-2.53	
6449.00	26.770	71.030	6205.40	4859.40	-95.34	260.09	1037.89	1736881.57	374553.75	39°31'28.6297"N	80°25'57.9812"W	1069.99	75.932	1.02	1.01	-0.21	
6536.00	27.560	71.660	6282.80	4936.80	-95.70	272.79	1075.53	1736919.21	374566.45	39°31'28.7591"N	80°25'57.5026"W	1109.58	75.768	0.97	0.91	0.72	
6622.00	28.300	72.480	6359.79	5012.79	-96.53	285.19	1113.85	1736957.53	374578.85	39°31'28.8865"N	80°25'57.0152"W	1149.78	75.639	0.97	-0.68	0.95	
6709.00	29.280	75.740	6435.04	5089.04	-99.01	296.64	1154.14	1736997.82	374590.30	39°31'29.0028"N	80°25'56.5025"W	1191.65	75.586	2.13	1.13	3.75	
6795.00	29.400	73.630	6510.01	5164.01	-101.85	307.77	1194.78	1737038.46	374601.43	39°31'29.1170"N	80°25'55.9854"W	1233.78	75.555	1.21	0.14	-2.45	
6882.00	29.030	72.070	6585.94	5239.94	-103.35	320.28	1235.35	1737079.03	374613.94	39°31'29.2449"N	80°25'55.4693"W	1276.20	75.465	0.97	-0.43	-1.79	
6968.00	29.270	70.510	6661.05	5315.05	-103.69	333.72	1275.02	1737118.70	374627.38	39°31'29.3818"N	80°25'54.9648"W	1317.98	75.333	0.93	0.28	-1.81	
7054.00	30.340	70.180	6735.67	5389.67	-103.33	348.11	1315.28	1737158.95	374641.77	39°31'29.5281"N	80°25'54.4531"W	1360.56	75.176	1.26	1.24	-0.41	
7141.00	30.410	72.060	6810.73	5464.73	-103.55	362.35	1356.89	1737200.57	374656.01	39°31'29.6731"N	80°25'53.9238"W	1404.44	75.048	1.11	0.08	2.18	
7227.00	30.280	71.860	6884.95	5538.95	-104.42	375.80	1398.21	1737241.88	374669.46	39°31'29.8103"N	80°25'53.3984"W	1447.83	74.956	0.19	-0.15	-0.23	
7313.00	29.970	74.500	6959.34	5613.34	-106.19	388.30	1439.51	1737283.19	374681.96	39°31'29.9380"N	80°25'52.6730"W	1490.96	74.904	1.58	-0.36	3.07	
7424.00	28.500	74.840	7056.20	5710.20	-109.83	402.63	1491.79	1737335.47	374696.29	39°31'30.0850"N	80°25'52.2077"W	1545.17	74.896	1.33	-1.32	0.31	
7533.00	28.750	65.630	7151.92	5805.92	-109.28	420.26	1540.79	1737384.47	374713.92	39°31'30.2643"N	80°25'51.5847"W	1597.08	74.743	4.05	0.23	-8.45	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <6 1/2"> (7533' - 26621')
7628.00	26.540	49.910	7236.18	5890.18	-99.62	443.39	1577.90	1737421.57	374737.05	39°31'30.4966"N	80°25'51.1143"W	1639.01	74.305	8.00	-2.33	-16.55	Curve KOP
7723.00	31.500	36.490	7319.32	5973.32	-78.01	477.07	1608.95	1737452.62	374770.72	39°31'30.8327"N	80°25'50.7225"W	1678.18	73.485	8.59	5.22	-14.13	
7818.00	39.130	24.040	7396.88	6050.88	-42.07	524.53	1635.99	1737479.67	374818.19	39°31'31.3045"N	80°25'50.3836"W	1718.02	72.223	11.01	8.03	-13.11	
7912.00	44.270	10.730	7467.18	6121.18	8.11	584.01	1654.23	1737497.91	374877.67	39°31'31.8943"N	80°25'50.1587"W	1754.29	70.555	10.87	5.47	-14.16	
8007.00	50.040	359.750	7531.86	6185.86	71.45	653.16	1660.26	1737503.94	374946.82	39°31'32.5784"N	80°25'50.0909"W	1784.12	68.525	10.41	6.07	-11.56	



Actual Wellpath Report

Carnegie 13H Proj: 26646*

Page 5 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations) † = Interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8102.00	55.030	352.780	7589.67	6243.67	144.07	728.29	1655.20	1737498.88	375021.95	39°31'33.3204"N	80°25'50.1654"W	1808.34	86.250	7.84	5.25	-7.34	
8196.00	63.970	348.770	7637.35	6291.35	225.76	806.11	1642.11	1737485.78	375101.77	39°31'34.1079"N	80°25'50.3431"W	1830.18	63.797	10.19	9.51	-4.27	
8291.00	69.820	347.100	7674.61	6328.61	310.43	893.51	1623.83	1737467.50	375187.17	39°31'34.9501"N	80°25'50.5877"W	1853.42	61.178	6.37	6.16	-1.76	
8318.80†	72.490	345.894	7683.59	6337.59	336.61	919.09	1617.68	1737461.36	375212.75	39°31'35.2023"N	80°25'50.6695"W	1860.54	60.397	10.44	9.60	-4.34	Marcellus
8386.00	76.970	343.110	7700.15	6354.15	401.56	981.81	1600.27	1737443.34	375275.46	39°31'35.8203"N	80°25'50.9000"W	1877.44	58.470	10.44	9.84	-4.34	
8481.00	86.200	338.110	7712.41	6366.41	495.67	1070.57	1568.99	1737412.67	375364.23	39°31'36.6944"N	80°25'51.3109"W	1899.43	55.693	9.23	7.61	-5.26	
8576.00	87.280	335.720	7717.82	6371.82	590.29	1157.81	1531.80	1737375.48	375451.47	39°31'37.5528"N	80°25'51.7970"W	1920.14	52.916	2.76	1.14	-2.52	
8671.00	88.820	335.020	7721.05	6375.05	684.80	1244.12	1492.24	1737335.91	375537.77	39°31'38.4018"N	80°25'52.3133"W	1942.83	50.181	1.78	1.62	-0.74	Landing Point / Onondaga
8765.00	89.060	335.560	7722.79	6376.79	778.35	1329.49	1452.95	1737296.63	375623.15	39°31'39.2416"N	80°25'52.8260"W	1969.42	47.541	0.63	0.26	0.57	
8860.00	89.251	333.670	7724.19	6378.19	872.78	1415.37	1412.23	1737255.91	375708.99	39°31'40.0855"N	80°25'53.3570"W	1999.37	44.938	2.00	0.20	-1.99	
8955.00	90.680	335.930	7724.24	6378.24	967.24	1501.26	1371.78	1737215.46	375794.92	39°31'40.9308"N	80°25'53.8846"W	2033.61	42.420	2.82	1.52	2.38	
9050.00	89.460	330.920	7724.11	6378.11	1061.42	1586.19	1329.30	1737172.97	375879.85	39°31'41.7659"N	80°25'54.4380"W	2069.55	39.964	5.43	-1.29	-5.27	
9145.00	90.020	335.280	7724.54	6378.54	1155.54	1670.89	1286.33	1737130.00	375964.55	39°31'42.5986"N	80°25'54.9976"W	2108.68	37.591	4.63	0.59	4.59	
9240.00	89.310	335.850	7725.10	6379.10	1250.13	1757.38	1247.03	1737090.71	376051.04	39°31'43.4494"N	80°25'55.5106"W	2154.87	35.359	0.96	-0.79	0.60	
9335.00	89.740	334.820	7725.69	6379.69	1344.68	1843.64	1207.24	1737050.92	376157.30	39°31'44.2978"N	80°25'56.0295"W	2203.73	33.217	1.37	0.48	-1.29	
9430.00	90.390	335.480	7725.78	6379.78	1439.20	1929.77	1167.16	1737010.84	376223.43	39°31'45.1450"N	80°25'56.5527"W	2255.28	31.166	1.13	0.68	0.91	
9524.00	90.050	335.390	7725.42	6379.42	1532.78	2015.26	1128.09	1736971.76	376308.92	39°31'45.9859"N	80°25'57.0627"W	2309.52	29.239	0.37	-0.36	-0.10	
9620.00	90.360	333.870	7725.08	6379.08	1628.22	2102.00	1086.96	1736930.63	376395.66	39°31'46.8390"N	80°25'57.5991"W	2366.41	27.344	1.62	0.32	-1.58	
9715.00	88.880	335.060	7725.71	6379.71	1722.63	2187.72	1046.01	1736889.69	376481.37	39°31'47.6819"N	80°25'58.1331"W	2424.92	25.554	2.00	-1.56	1.25	
9810.00	90.280	333.880	7726.42	6380.42	1817.04	2273.43	1005.07	1736846.75	376567.09	39°31'48.5249"N	80°25'58.6868"W	2485.68	23.850	1.91	1.45	-1.24	
9905.00	88.660	335.970	7727.31	6381.31	1911.52	2359.47	964.81	1736808.49	376653.12	39°31'49.3711"N	80°25'59.1921"W	2549.11	22.240	2.77	-1.68	2.20	
10000.00	90.510	335.910	7728.00	6382.00	2006.17	2446.21	926.08	1736769.76	376739.86	39°31'50.2244"N	80°25'59.6978"W	2615.64	20.736	1.95	1.95	-0.06	
10095.00	91.280	336.770	7728.52	6380.52	2100.87	2533.21	887.96	1736731.64	376826.87	39°31'51.0804"N	80°26'0.1959"W	2684.33	19.317	1.22	0.81	0.91	
10190.00	89.920	336.010	7725.52	6379.52	2195.58	2620.25	849.92	1736693.60	376913.91	39°31'51.9367"N	80°26'0.6930"W	2754.65	17.971	1.64	-1.43	-0.80	
10284.00	88.880	337.410	7726.51	6381.51	2289.33	2706.58	812.76	1736656.43	377000.24	39°31'52.7862"N	80°26'1.1787"W	2826.88	16.714	1.86	-1.11	1.49	
10379.00	89.710	334.650	7727.68	6381.68	2383.98	2793.38	774.17	1736617.85	377087.03	39°31'53.6400"N	80°26'1.6827"W	2898.67	15.490	3.03	0.87	-2.91	
10474.00	90.970	336.660	7727.11	6381.11	2478.58	2879.92	735.01	1736578.69	377173.58	39°31'54.4913"N	80°26'2.1939"W	2972.24	14.317	2.50	1.33	2.12	
10569.00	90.940	336.020	7725.53	6379.53	2573.28	2966.92	696.89	1736540.57	377260.58	39°31'55.3473"N	80°26'2.6920"W	3047.67	13.218	0.67	-0.03	-0.67	
10664.00	90.510	337.240	7724.33	6378.33	2668.01	3054.12	659.21	1736502.89	377347.77	39°31'56.2052"N	80°26'3.1844"W	3124.45	12.180	1.36	-0.45	1.28	
10759.00	89.710	337.890	7724.14	6378.14	2762.86	3141.93	622.96	1736466.64	377435.58	39°31'57.0893"N	80°26'3.6588"W	3203.09	11.215	1.09	-0.84	0.68	



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 6 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10854.00	89.120	335.830	7725.11	6379.11	2857.62	3229.28	585.63	1736429.31	377522.93	39°31'57.9288"N	80°26'4.1468"W	3281.95	10.279	2.26	-0.62	-2.17	
10948.00	89.680	334.550	7726.10	6380.10	2951.16	3314.59	546.19	1736389.87	377608.25	39°31'58.7679"N	80°26'4.6615"W	3359.29	9.357	1.49	0.60	-1.36	
11043.00	90.390	334.960	7726.04	6380.04	3045.63	3400.52	505.67	1736349.35	377694.17	39°31'59.6130"N	80°26'5.1900"W	3437.91	8.458	0.86	0.75	0.43	
11138.00	88.290	334.750	7727.14	6381.14	3140.10	3486.51	465.31	1736308.99	377780.16	39°32'0.4587"N	80°26'5.7166"W	3517.42	7.602	2.22	-2.21	-0.22	
11233.00	88.850	335.250	7729.51	6383.51	3234.59	3572.59	425.20	1736268.86	377866.25	39°32'1.3054"N	80°26'6.2390"W	3597.81	6.767	0.82	0.59	0.57	
11329.00	89.520	335.090	7730.87	6384.87	3330.11	3659.72	384.93	1736228.60	377953.38	39°32'2.1624"N	80°26'6.7655"W	3679.91	6.004	0.73	0.70	-0.21	
11424.00	89.090	335.790	7732.02	6386.02	3424.69	3746.12	345.44	1736189.12	378039.77	39°32'3.0122"N	80°26'7.2809"W	3762.01	5.269	0.86	-0.45	0.74	
11519.00	89.920	332.270	7732.85	6386.85	3519.00	3831.51	303.85	1736147.53	378125.18	39°32'3.8518"N	80°26'7.8231"W	3843.54	4.534	3.81	0.87	-3.71	
11614.00	88.940	334.370	7733.79	6387.79	3613.18	3916.39	261.20	1736104.88	378210.04	39°32'4.6863"N	80°26'8.3788"W	3925.09	3.616	2.44	-1.03	2.21	
11709.00	91.400	333.950	7733.51	6387.51	3707.53	4001.88	219.80	1736063.48	378295.53	39°32'5.5270"N	80°26'8.9185"W	4007.91	3.144	2.63	2.59	-0.44	
11804.00	88.510	333.230	7733.58	6387.58	3801.76	4086.96	177.55	1736021.23	378380.61	39°32'6.3635"N	80°26'9.4691"W	4090.81	2.487	3.14	-3.04	-0.76	
11899.00	90.230	334.360	7734.63	6388.63	3896.04	4172.18	135.60	1735979.28	378465.83	39°32'7.2015"N	80°26'10.0158"W	4174.38	1.862	2.17	1.81	1.19	
11993.00	90.480	332.850	7734.05	6388.05	3989.29	4256.38	93.81	1735937.49	378550.03	39°32'8.0293"N	80°26'10.5804"W	4257.41	1.263	1.63	0.27	-1.61	
12088.00	89.150	335.690	7734.35	6388.35	4083.66	4341.95	52.58	1735895.26	378635.60	39°32'8.8708"N	80°26'11.0981"W	4342.27	0.694	3.30	-1.40	2.99	
12183.00	91.650	334.400	7733.69	6387.69	4178.17	4428.10	12.57	1735855.25	378721.75	39°32'9.7181"N	80°26'11.6202"W	4428.12	0.163	2.92	2.63	-1.26	
12278.00	90.420	335.340	7731.97	6385.97	4272.65	4514.12	-27.70	1735815.98	378807.77	39°32'10.5642"N	80°26'12.1456"W	4514.21	359.648	1.57	-1.29	0.89	
12373.00	89.710	335.260	7731.86	6385.86	4367.21	4600.44	-67.38	1735776.30	378894.09	39°32'11.4132"N	80°26'12.6636"W	4600.93	359.161	0.75	-0.75	-0.08	
12468.00	89.520	334.740	7732.50	6386.50	4461.72	4686.54	-107.52	1735736.17	378980.19	39°32'12.2600"N	80°26'13.1872"W	4687.77	358.686	0.60	-0.20	-0.57	
12563.00	90.940	334.820	7732.12	6386.12	4556.19	4772.48	-147.99	1735695.69	379066.13	39°32'13.1052"N	80°26'13.7153"W	4774.78	358.224	1.50	1.49	0.08	
12658.00	90.170	335.130	7731.20	6385.20	4650.89	4858.56	-188.18	1735655.50	379152.21	39°32'13.9518"N	80°26'14.2397"W	4862.20	357.782	0.87	-0.81	0.38	
12752.00	90.600	335.730	7730.57	6384.57	4744.27	4944.05	-227.26	1735616.42	379237.70	39°32'14.7927"N	80°26'14.7499"W	4949.27	357.368	0.79	0.46	0.64	
12847.00	89.210	336.000	7730.73	6384.73	4838.91	5030.74	-266.10	1735577.58	379324.39	39°32'15.6455"N	80°26'15.2573"W	5037.77	356.972	1.49	-1.46	0.28	
12942.00	89.800	334.000	7731.55	6385.55	4933.41	5116.83	-306.25	1735537.43	379410.48	39°32'16.4922"N	80°26'15.7811"W	5125.99	356.575	2.19	0.62	-2.11	
13036.00	89.710	333.640	7731.95	6385.95	5026.71	5201.19	-347.72	1735495.96	379494.84	39°32'17.3217"N	80°26'16.3217"W	5212.80	356.175	0.39	-0.10	-0.38	
13131.00	91.120	335.090	7731.26	6385.26	5121.10	5286.82	-386.83	1735454.85	379580.47	39°32'18.1638"N	80°26'16.8576"W	5301.10	355.794	2.12	1.48	1.52	
13226.00	88.880	334.310	7731.26	6385.26	5215.55	5372.70	-429.43	1735414.25	379666.35	39°32'19.0084"N	80°26'17.3875"W	5389.84	355.430	2.49	-2.36	-0.81	
13322.00	91.460	334.100	7730.98	6384.98	5310.91	5459.13	-471.20	1735372.48	379752.78	39°32'19.8583"N	80°26'17.9322"W	5479.43	355.067	2.70	2.69	-0.22	
13417.00	89.550	333.810	7730.14	6384.14	5405.22	5544.47	-512.91	1735330.77	379838.12	39°32'20.6975"N	80°26'18.4759"W	5568.15	354.715	2.03	-2.01	-0.31	
13511.00	89.460	335.130	7730.95	6384.95	5498.63	5629.29	-553.42	1735290.26	379922.94	39°32'21.5315"N	80°26'19.0043"W	5656.43	354.385	1.41	-0.10	1.40	
13606.00	90.600	334.660	7730.90	6384.90	5593.13	5715.32	-593.73	1735249.96	380008.86	39°32'22.3776"N	80°26'19.5302"W	5746.07	354.069	1.30	1.20	-0.49	



Actual Wellpath Report

Carnegie 13H Proj: 26646

Page 7 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
13701.00	89.920	335.740	7730.47	6384.47	5687.67	5801.55	-633.57	1735210.11	380095.20	39°32'23.2258"N	80°26'20.0503"W	5836.04	353.768	1.34	-0.72	1.14	
13796.00	89.460	335.220	7730.99	6384.99	5782.25	5887.98	-673.00	1735170.68	380181.63	39°32'24.0759"N	80°26'20.5651"W	5926.32	353.479	0.73	-0.48	-0.55	
13891.00	90.410	333.860	7731.09	6385.09	5876.68	5973.75	-713.83	1735129.85	380267.40	39°32'24.9194"N	80°26'21.0978"W	6016.25	353.186	1.75	1.00	-1.43	
13986.00	89.460	334.720	7731.20	6385.20	5971.06	6059.35	-755.05	1735088.64	380352.99	39°32'25.7611"N	80°26'21.6352"W	6106.21	352.897	1.35	-1.00	0.91	
14081.00	89.610	333.480	7731.97	6385.97	6065.40	6144.80	-796.54	1735047.14	380438.45	39°32'26.5014"N	80°26'22.1763"W	6196.21	352.614	1.31	0.18	-1.31	
14176.00	91.090	334.950	7731.39	6385.39	6169.76	6230.33	-837.86	1735005.82	380523.98	39°32'27.4425"N	80°26'22.7151"W	6286.42	352.341	2.20	1.56	1.55	
14271.00	89.280	333.210	7731.08	6385.08	6254.10	6315.77	-879.38	1734964.30	380609.42	39°32'28.2826"N	80°26'23.2568"W	6376.70	352.073	2.64	-1.91	-1.83	
14366.00	89.890	335.900	7731.77	6385.77	6348.52	6401.55	-920.20	1734923.49	380695.19	39°32'29.1261"N	80°26'23.7889"W	6467.34	351.820	2.90	0.64	2.83	
14461.00	89.830	336.010	7732.01	6386.01	6443.18	6488.30	-958.90	1734884.78	380781.95	39°32'29.9795"N	80°26'24.2946"W	6558.78	351.593	0.13	-0.06	0.12	
14556.00	91.370	334.800	7731.01	6385.01	6537.73	6574.60	-996.59	1734845.09	380869.25	39°32'30.8284"N	80°26'24.8127"W	6650.01	351.354	2.20	1.62	-1.48	
14651.00	89.520	333.470	7730.27	6384.27	6632.05	6660.01	-1040.18	1734803.50	380953.65	39°32'31.6681"N	80°26'25.3550"W	6740.75	351.123	2.28	-1.95	-1.19	
14746.00	89.710	336.200	7730.91	6384.91	6726.53	6745.98	-1080.57	1734763.11	381039.63	39°32'32.5136"N	80°26'25.8820"W	6831.97	350.900	2.88	0.20	2.87	
14842.00	90.230	335.090	7730.96	6384.96	6822.13	6833.44	-1120.16	1734723.52	381127.08	39°32'33.3739"N	80°26'26.3991"W	6924.64	350.691	1.28	0.54	-1.16	
14938.00	89.710	335.710	7731.01	6385.01	6917.70	6920.72	-1160.12	1734683.56	381214.37	39°32'34.2324"N	80°26'26.9208"W	7017.28	350.484	0.84	-0.54	0.65	
15033.00	89.890	335.890	7731.34	6385.34	7012.34	7007.37	-1199.06	1734644.62	381301.02	39°32'35.0848"N	80°26'27.4255"W	7109.22	350.290	0.27	0.19	0.19	
15128.00	89.920	335.250	7731.50	6385.50	7106.94	7093.87	-1238.35	1734605.33	381387.51	39°32'35.9356"N	80°26'27.9426"W	7201.14	350.098	0.67	0.03	-0.67	
15223.00	89.770	335.960	7731.76	6385.76	7201.54	7180.38	-1277.59	1734566.09	381474.03	39°32'36.7866"N	80°26'28.4550"W	7293.16	349.911	0.76	-0.16	0.75	
15318.00	89.980	336.340	7731.97	6385.97	7296.23	7267.27	-1316.00	1734527.68	381560.92	39°32'37.6414"N	80°26'28.9570"W	7385.46	349.736	0.46	0.22	0.40	
15413.00	90.470	335.590	7731.59	6385.59	7390.89	7354.03	-1354.70	1734488.89	381647.68	39°32'38.4948"N	80°26'29.4625"W	7477.77	349.562	0.94	0.52	-0.79	
15508.00	89.670	336.210	7731.48	6385.48	7485.53	7440.75	-1393.49	1734450.20	381734.40	39°32'39.3479"N	80°26'29.9692"W	7570.11	349.393	1.07	-0.84	0.55	
15603.00	89.800	335.960	7731.92	6385.92	7580.21	7527.59	-1432.00	1734411.69	381821.24	39°32'40.2022"N	80°26'30.4724"W	7662.59	349.229	0.30	0.14	-0.26	
15698.00	89.700	335.710	7732.33	6386.33	7674.85	7614.27	-1470.89	1734372.80	381907.91	39°32'41.0548"N	80°26'30.9805"W	7755.04	349.067	0.28	-0.11	-0.26	
15794.00	90.600	335.060	7732.08	6386.08	7770.42	7701.54	-1510.87	1734332.81	381995.19	39°32'41.9132"N	80°26'31.5026"W	7848.34	348.901	1.16	0.94	-0.68	
15889.00	89.370	335.110	7732.10	6386.10	7864.94	7787.70	-1550.89	1734292.79	382081.34	39°32'42.7606"N	80°26'32.0249"W	7940.62	348.737	1.30	-1.29	0.05	
15983.00	90.930	335.930	7731.85	6385.85	7958.53	7873.25	-1589.84	1734253.84	382166.89	39°32'43.6020"N	80°26'32.5336"W	8032.18	348.564	1.87	1.64	0.87	
16079.00	89.400	333.620	7731.58	6385.58	8053.99	7960.08	-1630.75	1734212.93	382253.73	39°32'44.4560"N	80°26'33.0674"W	8125.41	348.422	2.89	-1.59	-2.41	
16173.00	89.580	336.000	7732.42	6386.42	8147.46	8045.13	-1670.75	1734172.93	382338.78	39°32'45.2925"N	80°26'33.5895"W	8216.79	348.268	2.54	0.19	2.53	
16268.00	90.900	335.570	7732.02	6386.02	8242.09	8131.77	-1709.72	1734133.97	382425.42	39°32'46.1447"N	80°26'34.0985"W	8309.56	348.126	1.46	1.39	-0.45	
16363.00	89.550	335.320	7731.65	6385.65	8336.67	8218.18	-1749.20	1734094.49	382511.82	39°32'46.9946"N	80°26'34.6140"W	8402.27	347.984	1.45	-1.42	-0.26	
16458.00	90.230	335.780	7731.83	6385.83	8431.27	8304.66	-1788.52	1734055.17	382598.30	39°32'47.8452"N	80°26'35.1275"W	8495.08	347.846	0.86	0.72	0.48	



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 8 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	TVDSS (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
16554.00	89.640	334.850	7731.94	6385.94	8526.82	8391.88	-1828.61	1734015.08	382685.53	39°32'48.7031"N	80°26'35.6510"W	8588.80	347.707	1.15	-0.61	-0.97	
16649.00	89.210	334.460	7732.89	6386.89	8621.27	8477.73	-1869.27	1733974.41	382771.38	39°32'49.5474"N	80°26'36.1816"W	8681.37	347.566	0.61	-0.45	-0.41	
16743.00	90.200	338.430	7733.38	6387.38	8714.97	8563.88	-1906.83	1733936.86	382857.53	39°32'50.3949"N	80°26'36.6726"W	8773.60	347.447	4.35	1.05	4.22	
16838.00	89.580	335.510	7733.56	6387.56	8809.75	8651.30	-1943.99	1733899.70	382944.94	39°32'51.2550"N	80°26'37.1587"W	8867.02	347.336	3.14	-0.65	-3.07	
16933.00	89.000	335.090	7734.74	6388.74	8904.30	8737.60	-1983.69	1733859.98	383031.24	39°32'52.1038"N	80°26'37.6770"W	8959.95	347.208	0.76	-0.61	-0.45	
17029.00	89.610	336.130	7735.90	6389.90	8999.89	8825.02	-2023.34	1733820.35	383118.66	39°32'52.9637"N	80°26'38.1949"W	9054.00	347.087	1.26	0.64	1.09	
17123.00	88.930	336.390	7737.10	6391.10	9093.59	8911.06	-2061.18	1733782.51	383204.70	39°32'53.8101"N	80°26'38.6895"W	9146.33	346.976	0.77	-0.72	0.28	
17219.00	89.330	335.390	7738.55	6392.55	9189.22	8998.67	-2100.39	1733743.30	383292.31	39°32'54.6720"N	80°26'39.2018"W	9240.55	346.862	1.12	0.42	-1.04	
17314.00	89.670	335.120	7739.38	6393.38	9283.77	9084.95	-2140.15	1733703.53	383378.59	39°32'55.5205"N	80°26'39.7210"W	9333.62	346.744	0.46	0.36	-0.28	
17409.00	88.610	334.260	7739.98	6393.98	9378.22	9170.83	-2180.75	1733662.94	383464.47	39°32'56.3651"N	80°26'40.2507"W	9426.55	346.624	0.89	-0.06	-0.89	
17504.00	89.950	335.360	7740.35	6394.35	9472.70	9256.80	-2221.17	1733622.52	383550.44	39°32'57.2106"N	80°26'40.7782"W	9519.58	346.507	1.19	0.36	1.14	
17600.00	90.010	334.330	7740.38	6394.38	9568.18	9343.70	-2261.97	1733581.71	383637.34	39°32'58.0652"N	80°26'41.3108"W	9613.59	346.391	1.07	0.06	-1.07	
17695.00	90.630	333.850	7739.85	6393.85	9662.52	9429.14	-2303.48	1733540.20	383722.79	39°32'58.9054"N	80°26'41.8522"W	9706.43	346.272	0.83	0.65	-0.51	
17790.00	90.500	335.550	7738.91	6392.91	9756.97	9515.02	-2344.08	1733499.61	383808.67	39°32'59.7499"N	80°26'42.3820"W	9799.51	346.160	1.79	-0.14	1.79	
17884.00	88.700	330.780	7738.75	6392.75	9850.43	9589.98	-2384.30	1733458.38	383893.62	39°33'0.5854"N	80°26'42.9089"W	9891.84	346.052	2.07	-0.85	-1.88	
17979.00	90.290	334.640	7738.76	6392.76	9944.79	9685.52	-2425.63	1733418.05	383979.16	39°33'1.4265"N	80°26'43.4460"W	9984.63	345.940	1.10	0.62	0.91	
18075.00	89.730	334.280	7738.74	6392.74	10040.20	9772.14	-2467.02	1733376.68	384065.78	39°33'2.2782"N	80°26'43.9860"W	10078.73	345.831	0.69	-0.58	-0.38	
18170.00	89.610	334.170	7739.29	6393.29	10134.57	9857.68	-2508.33	1733335.36	384151.32	39°33'3.1194"N	80°26'44.5249"W	10171.80	345.724	0.17	-0.13	-0.12	
18265.00	89.830	334.190	7739.75	6393.75	10228.93	9943.20	-2549.71	1733293.98	384236.84	39°33'3.9603"N	80°26'45.0646"W	10264.90	345.618	0.23	0.23	0.02	
18361.00	90.440	335.450	7739.52	6393.52	10324.40	10030.06	-2590.56	1733253.12	384323.70	39°33'4.8146"N	80°26'45.5979"W	10358.21	345.518	1.44	0.64	1.29	
18456.00	89.760	336.400	7739.36	6393.36	10419.05	10116.79	-2629.33	1733214.35	384410.43	39°33'5.6677"N	80°26'46.1044"W	10452.89	345.431	1.25	-0.72	1.02	
18551.00	89.700	335.860	7739.81	6393.81	10513.73	10203.67	-2667.77	1733175.91	384497.31	39°33'6.5223"N	80°26'46.6089"W	10546.65	345.348	0.57	-0.06	-0.57	
18646.00	89.830	336.250	7740.20	6394.20	10608.40	10290.49	-2706.33	1733137.36	384584.13	39°33'7.3764"N	80°26'47.1108"W	10640.41	345.265	0.43	0.14	0.41	
18741.00	89.920	335.480	7740.40	6394.40	10703.05	10377.18	-2745.17	1733098.51	384670.82	39°33'8.2292"N	80°26'47.6183"W	10734.15	345.182	0.82	0.09	-0.81	
18836.00	89.460	334.340	7740.92	6394.92	10797.54	10463.22	-2785.46	1733058.23	384758.86	39°33'9.0753"N	80°26'48.1442"W	10827.63	345.093	1.29	-0.48	-1.20	
18931.00	90.230	334.480	7741.17	6395.17	10891.95	10548.90	-2826.49	1733017.20	384842.54	39°33'9.9178"N	80°26'48.6795"W	10921.00	345.000	0.82	0.81	0.15	
19026.00	89.760	335.150	7741.18	6395.18	10986.42	10634.87	-2866.92	1732976.77	384928.50	39°33'10.7632"N	80°26'49.2072"W	11014.52	344.913	0.86	-0.49	0.71	
19121.00	89.580	334.450	7741.73	6395.73	11080.90	10720.82	-2907.36	1732936.32	385014.46	39°33'11.6085"N	80°26'49.7352"W	11108.05	344.827	0.76	-0.19	-0.74	
19216.00	89.830	334.860	7742.22	6396.22	11175.35	10806.68	-2948.03	1732895.66	385100.31	39°33'12.4528"N	80°26'50.2659"W	11201.57	344.741	0.51	0.26	0.43	
19311.00	89.920	335.170	7742.43	6396.43	11269.88	10892.79	-2988.18	1732855.53	385186.42	39°33'13.2997"N	80°26'50.7897"W	11295.21	344.650	0.34	0.06	0.33	



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 9 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations)

MD (ft)	Inclination [°]	Azimuth [°]	TVD (ft)	TVDSS (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
19406.00	89.980	335.700	7742.51	6396.51	11364.44	10979.19	-3027.65	1732816.04	385272.82	39°33'14.1495"N	80°26'51.3056"W	11388.99	344.583	0.56	0.06	0.56	
19501.00	89.760	334.000	7742.72	6396.72	11458.92	11065.18	-3068.02	1732775.66	385358.82	39°33'14.9952"N	80°26'51.8926"W	11482.64	344.503	1.80	-0.23	-1.79	
19596.00	89.520	335.420	7743.32	6397.32	11553.38	11151.07	-3108.60	1732735.08	385444.71	39°33'15.8398"N	80°26'52.3622"W	11576.26	344.423	1.52	-0.25	-1.49	
19690.00	89.790	334.820	7743.89	6397.89	11646.91	11236.34	-3148.15	1732695.54	385529.98	39°33'16.6785"N	80°26'52.8786"W	11669.03	344.348	0.70	0.29	-0.64	
19786.00	89.550	334.290	7744.44	6398.44	11742.35	11323.03	-3189.40	1732654.29	385616.67	39°33'17.5309"N	80°26'53.4169"W	11763.64	344.263	0.61	-0.25	-0.55	
19881.00	89.790	335.760	7744.99	6398.99	11836.84	11409.14	-3229.50	1732614.18	385702.78	39°33'18.3778"N	80°26'53.9405"W	11857.41	344.195	1.57	0.25	-1.55	
19975.00	89.180	335.460	7745.83	6399.83	11930.45	11494.75	-3268.32	1732575.37	385788.39	39°33'19.2198"N	80°26'54.4476"W	11950.36	344.128	0.72	-0.65	-0.32	
20070.00	89.920	334.780	7746.58	6400.58	12024.98	11580.93	-3308.29	1732535.40	385874.56	39°33'20.0674"N	80°26'54.9695"W	12044.20	344.057	1.06	0.78	-0.72	
20165.00	90.010	335.070	7746.64	6400.64	12119.48	11666.97	-3348.55	1732495.14	385960.61	39°33'20.9136"N	80°26'55.4951"W	12138.00	343.986	0.32	0.09	0.31	
20260.00	89.730	335.200	7746.85	6400.85	12214.01	11752.17	-3389.48	1732455.19	386045.80	39°33'21.7613"N	80°26'56.0167"W	12231.88	343.917	0.32	-0.25	-0.14	
20354.00	89.610	334.810	7747.39	6401.39	12307.52	11838.36	-3428.21	1732415.48	386132.00	39°33'22.5992"N	80°26'56.5353"W	12324.75	343.850	0.43	-0.12	-0.41	
20450.00	89.520	334.540	7748.12	6402.12	12402.97	11925.13	-3469.27	1732374.41	386218.77	39°33'23.4525"N	80°26'57.0713"W	12419.53	343.779	0.30	-0.09	-0.28	
20545.00	89.550	334.510	7748.89	6402.89	12497.39	12010.89	-3510.13	1732333.55	386304.53	39°33'24.2958"N	80°26'57.6045"W	12513.30	343.709	0.04	0.03	-0.03	
20640.00	89.580	333.970	7749.61	6403.61	12591.76	12096.45	-3551.42	1732292.27	386390.09	39°33'25.1371"N	80°26'58.1431"W	12607.01	343.638	0.57	0.03	-0.57	
20736.00	89.630	334.860	7750.11	6404.11	12687.16	12183.04	-3592.88	1732250.81	386476.67	39°33'25.9885"N	80°26'58.6841"W	12701.78	343.569	0.96	0.25	-0.93	
20830.00	89.550	334.200	7750.62	6404.62	12780.59	12267.90	-3633.30	1732210.39	386561.53	39°33'26.8230"N	80°26'59.2116"W	12794.62	343.503	0.76	-0.30	-0.70	
20925.00	89.920	334.890	7751.06	6405.06	12875.02	12353.67	-3674.13	1732169.56	386647.31	39°33'27.6665"N	80°26'59.7445"W	12888.46	343.437	0.82	0.39	0.73	
21020.00	89.790	335.210	7751.30	6405.30	12969.54	12439.81	-3714.20	1732129.48	386733.44	39°33'28.5136"N	80°27'0.2678"W	12982.45	343.376	0.36	-0.14	0.34	
21115.00	89.360	334.870	7752.00	6406.00	13064.05	12525.93	-3754.29	1732089.40	386819.57	39°33'29.3606"N	80°27'0.7912"W	13076.45	343.315	0.58	-0.45	-0.36	
21210.00	89.490	334.650	7752.96	6406.96	13158.52	12611.88	-3794.80	1732048.93	386905.49	39°33'30.2056"N	80°27'1.3200"W	13170.40	343.254	0.27	0.14	-0.23	
21305.00	90.260	335.350	7753.16	6407.16	13253.03	12697.96	-3834.95	1732008.74	386991.59	39°33'31.0523"N	80°27'1.8442"W	13264.42	343.195	1.10	0.81	0.74	
21400.00	89.890	335.750	7753.04	6407.04	13347.63	12784.44	-3874.27	1731969.42	387078.07	39°33'31.9029"N	80°27'2.3579"W	13358.58	343.141	0.57	-0.39	0.42	
21496.00	89.610	335.090	7753.46	6407.46	13443.20	12871.74	-3914.20	1731929.49	387165.37	39°33'32.7615"N	80°27'2.8796"W	13453.72	343.066	0.75	-0.29	-0.69	
21590.00	89.430	334.590	7754.24	6408.24	13536.68	12956.81	-3954.16	1731889.53	387250.45	39°33'33.5982"N	80°27'3.4013"W	13546.75	343.029	0.57	-0.19	-0.53	
21685.00	89.520	334.610	7755.11	6409.11	13631.12	13042.63	-3994.91	1731848.78	387336.26	39°33'34.4421"N	80°27'3.9331"W	13640.73	342.970	0.10	0.09	0.02	
21781.00	89.920	334.500	7755.58	6409.58	13726.55	13129.31	-4036.15	1731807.54	387422.95	39°33'35.2945"N	80°27'4.4714"W	13735.70	342.912	0.43	0.42	-0.11	
21876.00	89.520	334.520	7756.05	6410.05	13820.97	13215.07	-4077.04	1731766.65	387508.70	39°33'36.1377"N	80°27'5.0050"W	13829.68	342.854	0.42	-0.42	0.02	
21971.00	90.380	334.540	7756.13	6410.13	13915.40	13300.83	-4117.89	1731725.80	387594.46	39°33'36.9811"N	80°27'5.5382"W	13923.69	342.798	0.91	0.91	0.02	
22066.00	90.040	334.720	7755.78	6409.78	14009.84	13386.67	-4158.59	1731685.10	387680.30	39°33'37.8252"N	80°27'6.0695"W	14017.73	342.743	0.40	-0.36	0.19	
22161.00	89.950	335.160	7755.79	6409.79	14104.34	13472.73	-4198.85	1731644.86	387766.36	39°33'38.6718"N	80°27'6.5949"W	14111.86	342.690	0.47	-0.09	0.46	



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 10 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
22256.00	89.890	334.120	7755.92	6409.92	14198.79	13558.57	-4239.52	1731604.17	387852.20	39°33'39.5157"N	80°27'7.1261"W	14205.93	342.636	1.10	-0.06	-1.09	
22445.00	89.860	334.470	7756.34	6410.34	14386.56	13726.87	-4321.50	1731522.19	388022.50	39°33'41.1902"N	80°27'8.1958"W	14392.95	342.527	0.19	-0.02	0.19	
22540.00	89.950	334.620	7756.49	6410.49	14480.99	13814.64	-4362.33	1731481.36	388108.28	39°33'42.0336"N	80°27'8.7287"W	14487.04	342.475	0.18	0.09	0.16	
22635.00	90.220	334.750	7756.35	6410.35	14575.45	13900.52	-4402.95	1731440.74	388194.15	39°33'42.8781"N	80°27'9.2590"W	14581.17	342.425	0.32	0.28	0.14	
22730.00	90.100	335.250	7756.09	6410.09	14669.99	13986.62	-4443.10	1731400.56	388280.25	39°33'43.7248"N	80°27'9.7833"W	14675.37	342.377	0.54	-0.13	0.53	
22825.00	89.820	334.560	7756.15	6410.15	14764.45	14072.65	-4483.39	1731360.30	388366.28	39°33'44.5709"N	80°27'10.3094"W	14769.57	342.329	0.78	-0.29	-0.73	
22919.00	89.790	334.190	7756.47	6410.47	14857.86	14157.40	-4524.04	1731319.65	388451.04	39°33'45.4043"N	80°27'10.8399"W	14862.67	342.279	0.39	-0.03	-0.39	
23011.00	90.130	335.030	7756.54	6410.54	14949.32	14240.52	-4563.49	1731280.20	388534.15	39°33'46.2216"N	80°27'11.3548"W	14953.85	342.232	0.98	0.37	0.91	Deepest Point of Well
23106.00	90.470	335.520	7756.04	6410.04	15043.87	14326.81	-4603.22	1731240.47	388620.44	39°33'47.0702"N	80°27'11.8739"W	15048.16	342.188	0.63	0.36	0.52	
23200.00	89.920	334.680	7755.72	6409.72	15137.40	14412.06	-4642.91	1731200.82	388705.69	39°33'47.3057"N	80°27'12.3602"W	15141.44	342.144	1.09	-0.55	-0.91	
23296.00	89.820	334.340	7755.94	6409.94	15232.81	14498.71	-4684.14	1731159.55	388792.34	39°33'48.7607"N	80°27'12.9304"W	15236.59	342.096	0.35	-0.10	-0.33	
23390.00	89.860	334.940	7756.20	6410.20	15326.27	14583.65	-4724.40	1731119.29	388877.28	39°33'49.5960"N	80°27'13.4560"W	15329.80	342.050	0.64	0.04	0.64	
23485.00	90.070	334.760	7756.26	6410.26	15420.75	14669.64	-4764.78	1731078.91	388963.27	39°33'50.4416"N	80°27'13.9831"W	15424.06	342.006	0.29	0.22	-0.19	
23579.00	90.130	334.450	7756.10	6410.10	15514.20	14754.56	-4805.09	1731038.60	389048.19	39°33'51.2767"N	80°27'14.5094"W	15517.28	341.961	0.34	0.06	-0.33	
23674.00	89.950	335.320	7756.03	6410.03	15608.69	14842.53	-4845.41	1730998.26	389134.21	39°33'52.1226"N	80°27'15.0359"W	15611.56	341.918	0.94	-0.19	0.92	
23769.00	90.220	334.980	7755.89	6409.89	15703.22	14926.78	-4885.33	1730958.36	389220.41	39°33'52.9703"N	80°27'15.5573"W	15705.90	341.877	0.46	0.28	-0.36	
23863.00	90.100	335.230	7755.63	6409.63	15796.76	15012.05	-4924.90	1730918.79	389305.68	39°33'53.8089"N	80°27'16.0742"W	15799.25	341.837	0.30	-0.13	0.27	
23958.00	89.790	333.980	7755.72	6409.72	15891.20	15097.86	-4965.64	1730878.05	389391.49	39°33'54.6528"N	80°27'16.6060"W	15893.49	341.794	1.36	-0.33	-1.32	
24052.00	90.130	334.820	7755.78	6409.78	15984.61	15182.64	-5006.26	1730837.43	389476.27	39°33'55.4863"N	80°27'17.1361"W	15986.72	341.751	0.96	0.36	0.89	
24147.00	89.980	334.510	7755.69	6409.69	16079.06	15268.50	-5046.91	1730796.76	389562.13	39°33'56.3307"N	80°27'17.6668"W	16080.99	341.709	0.36	-0.16	-0.33	
24241.00	89.700	334.500	7755.95	6409.95	16172.49	15353.34	-5087.37	1730756.32	389646.97	39°33'57.1650"N	80°27'18.1950"W	16174.26	341.667	0.30	-0.30	-0.01	
24336.00	90.930	335.890	7755.43	6409.43	16267.02	15439.58	-5127.22	1730716.47	389733.20	39°33'58.0130"N	80°27'18.7156"W	16268.65	341.630	1.95	1.29	1.46	
24430.00	89.920	333.670	7754.73	6408.73	16360.49	15524.61	-5167.27	1730676.42	389818.24	39°33'58.8492"N	80°27'19.2385"W	16361.97	341.590	2.59	-1.07	-2.36	
24525.00	89.640	334.000	7755.10	6409.10	16454.79	15609.87	-5209.16	1730634.53	389903.50	39°33'59.6875"N	80°27'19.7850"W	16456.11	341.546	0.46	-0.28	0.35	
24620.00	89.950	334.130	7755.93	6409.93	16549.12	15695.30	-5250.71	1730592.98	389988.93	39°34'0.5274"N	80°27'20.3271"W	16550.30	341.503	0.32	-0.23	0.14	
24715.00	89.580	334.480	7756.81	6410.81	16643.51	15780.90	-5291.90	1730551.79	390074.53	39°34'1.3691"N	80°27'20.8647"W	16644.55	341.462	0.44	0.23	0.37	
24810.00	90.010	334.670	7757.15	6411.15	16737.94	15866.70	-5332.68	1730511.01	390160.33	39°34'2.2128"N	80°27'21.3971"W	16738.87	341.423	0.49	0.45	0.20	
24905.00	90.440	334.880	7756.77	6410.77	16832.41	15952.64	-5373.17	1730470.52	390246.27	39°34'3.0579"N	80°27'21.9258"W	16833.23	341.385	0.50	0.45	0.22	
25000.00	90.100	337.250	7756.33	6410.33	16927.08	16039.46	-5411.71	1730431.98	390333.09	39°34'3.9120"N	80°27'22.4297"W	16927.82	341.356	2.52	-0.36	2.49	
25094.00	89.950	335.380	7756.28	6410.28	17020.78	16125.54	-5449.47	1730394.22	390419.17	39°34'4.7587"N	80°27'22.9235"W	17021.45	341.328	2.00	-0.16	-1.96	



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 11 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

WELLPATH DATA (287 stations) † = Interpolated, ‡ = extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	TVDSS (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
25189.00	90.500	335.920	7755.91	6409.91	17115.39	16212.09	-5488.64	1730355.05	390505.72	39°34'5.6100"N	80°27'23.4354"W	17115.99	341.296	0.81	0.58	0.57	
25284.00	90.320	334.820	7755.23	6409.23	17209.96	16298.44	-5528.23	1730315.46	390592.07	39°34'6.4593"N	80°27'23.9527"W	17210.48	341.264	1.17	-0.19	-1.16	
25379.00	91.020	336.400	7754.12	6408.12	17304.56	16384.96	-5567.45	1730276.24	390678.58	39°34'7.3102"N	80°27'24.4654"W	17305.01	341.233	1.82	0.74	1.66	
25474.00	90.720	335.540	7752.68	6406.68	17399.21	16471.71	-5606.13	1730237.56	390765.34	39°34'8.1635"N	80°27'24.9711"W	17399.60	341.204	0.96	-0.32	-0.91	
25570.00	90.040	335.010	7752.04	6406.04	17494.75	16558.91	-5646.28	1730197.41	390852.53	39°34'9.0211"N	80°27'25.4957"W	17495.08	341.172	0.90	-0.71	-0.55	
25664.00	90.250	335.870	7751.80	6405.80	17588.34	16644.40	-5685.36	1730158.34	390938.03	39°34'9.8619"N	80°27'26.0062"W	17588.61	341.141	0.94	0.22	0.91	
25759.00	90.130	335.670	7751.49	6405.49	17682.97	16731.03	-5724.34	1730119.35	391024.66	39°34'10.7140"N	80°27'26.5159"W	17683.20	341.112	0.25	-0.13	-0.21	
25854.00	90.560	335.850	7750.92	6404.92	17777.60	16817.65	-5763.35	1730080.35	391111.28	39°34'11.5660"N	80°27'27.0257"W	17777.79	341.084	0.49	0.45	0.19	
25949.00	90.560	335.670	7749.99	6403.99	17872.22	16904.27	-5802.35	1730041.35	391197.90	39°34'12.4180"N	80°27'27.5355"W	17872.37	341.055	0.19	0.00	-0.19	
26045.00	90.350	335.540	7749.23	6403.23	17967.82	16991.70	-5842.00	1730001.70	391285.33	39°34'13.2779"N	80°27'28.0537"W	17967.94	341.026	0.26	-0.22	-0.14	
26140.00	90.750	335.720	7748.31	6402.31	18062.43	17078.23	-5881.19	1729962.50	391371.86	39°34'14.1290"N	80°27'28.5660"W	18062.52	340.998	0.46	0.42	0.19	
26234.00	90.780	335.240	7747.06	6401.06	18156.01	17163.75	-5920.20	1729923.49	391457.37	39°34'14.9700"N	80°27'29.0758"W	18156.07	340.969	0.51	0.03	-0.51	
26329.00	90.530	335.920	7745.97	6399.97	18250.61	17250.24	-5959.47	1729884.22	391543.87	39°34'15.8207"N	80°27'29.5891"W	18250.65	340.941	0.76	-0.26	0.72	
26424.00	90.560	335.960	7745.07	6399.07	18345.26	17336.98	-5998.20	1729845.49	391630.61	39°34'16.6739"N	80°27'30.0955"W	18345.28	340.916	0.05	0.03	0.04	
26519.00	90.440	335.470	7744.24	6398.24	18439.88	17423.57	-6037.27	1729808.42	391717.20	39°34'17.5256"N	80°27'30.6062"W	18439.89	340.889	0.53	-0.13	-0.52	
26621.00	90.410	335.850	7743.48	6397.48	18541.46	17516.51	-6079.31	1729764.38	391810.13	39°34'18.4396"N	80°27'31.1557"W	18541.47	340.860	0.37	-0.03	0.37	Final Survey
26646.00±	90.410	335.850	7743.30	6397.30	18566.37	17539.32	-6089.54	1729754.15	391832.94	39°34'18.6640"N	80°27'31.2894"W	18566.37	340.853	0.00	0.00	0.00	Projection to TD



Actual Wellpath Report

Carnegie 13H Proj: 26646'

Page 12 of 12



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 13H
Field	Marion	API	47-049-02526
Facility	Carnegie Pad	Wellbore	Carnegie 13H
Slot	Slot 13		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Carnegie 13H - LP	7732.99	1123.37	1555.67	1737399.35	375417.03	39°31'37.2149"N	80°25'51.4878"W	point
Carnegie 13H - BHL	7796.22	17536.88	-6098.79	1729744.90	391830.50	39°34'18.6389"N	80°27'31.4072"W	point

WELLPATH COMPOSITION - Ref Wellbore: Carnegie 13H Ref Wellpath: Carnegie 13H Proj: 26646'

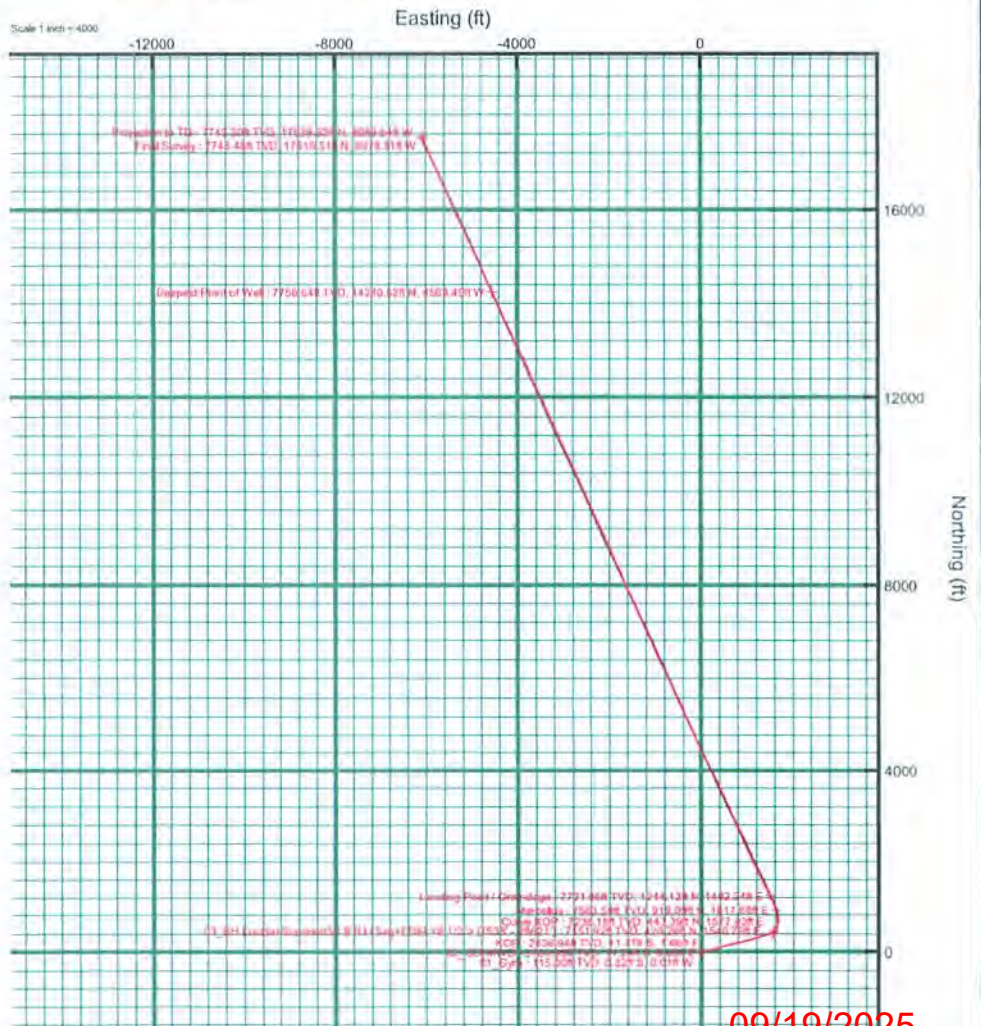
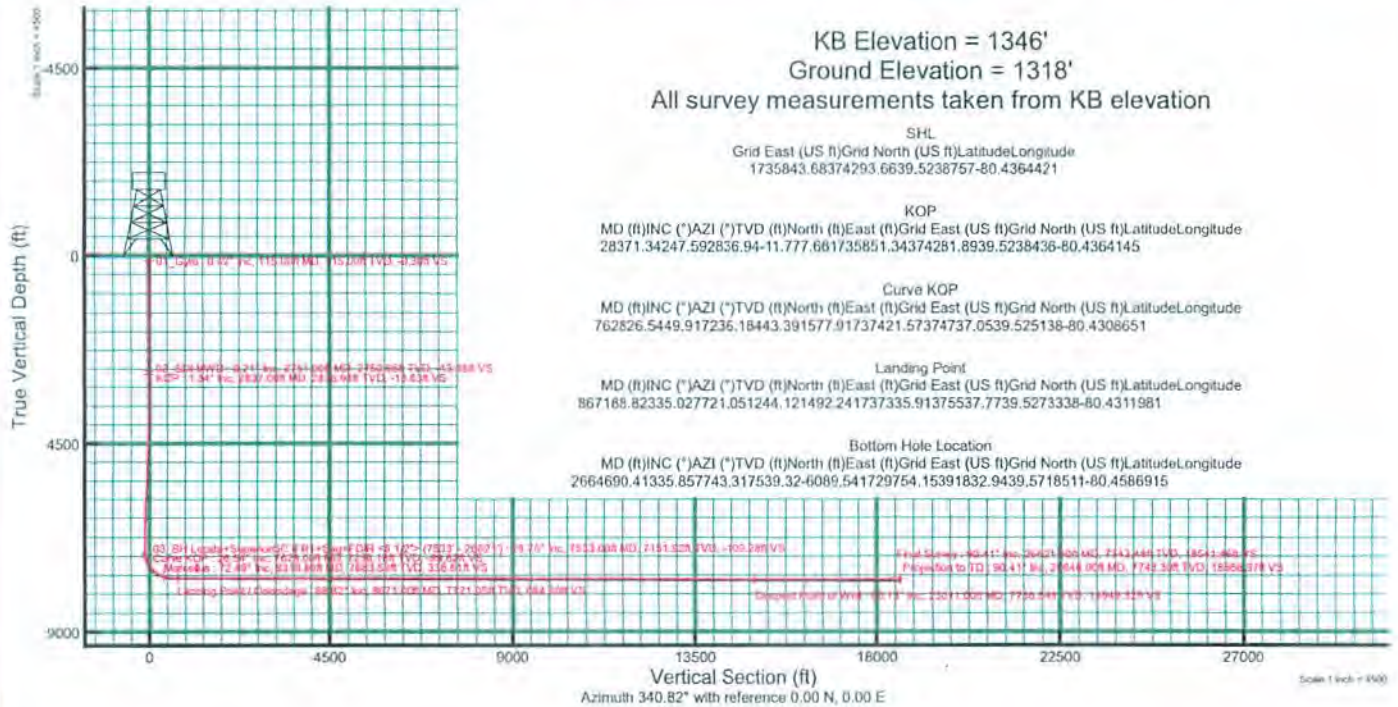
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2663.00	BH Generic gyro - northseeking (Standard)	01 Gyro	Carnegie 13H	4/24/2024
2663.00	7424.00	OWSG MWD rev2 - Standard	02 SDI MWD	Carnegie 13H	4/24/2024
7424.00	26646.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8 1/2"> (7533' - 26621')	Carnegie 13H	6/11/2024



EQT PRODUCTION COMPANY

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

Slot: Slot 13
Well: Carnegie 13H
Wellbore: Carnegie 13H



Userspecified Dip: 66.24° Field: 51585.3 nT
Magnetic North is 8.02 degrees West of True North (at 6/11/2024)
Grid North is 0.50 degrees West of True North
To correct azimuth from True to Grid add 0.63 degrees
To correct azimuth from Magnetic to Grid subtract 8.42 degrees

09/19/2025