



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Deergal
Scale	0.999942	Report Generated	5/23/2024 at 11:01:54 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	14.67	3.10	1735828.18	374220.28	39°31'25.2256"N	80°26'11.3795"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 03)	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	325.59°



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WELLPATH DATA (303 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	327.790	0.00	-1346.00	0.00	0.00	0.00	1735828.18	374220.28	39°31'25.2256"N	80°26'11.3795"W	0.00	0.000	0.00	0.00	0.00	
28.00	0.000	327.790	28.00	-1318.00	0.00	0.00	0.00	1735828.18	374220.28	39°31'25.2256"N	80°26'11.3795"W	0.00	0.000	0.00	0.00	0.00	
115.00	0.100	327.790	115.00	-1231.00	0.08	0.06	-0.04	1735828.14	374220.34	39°31'25.2262"N	80°26'11.3800"W	0.08	327.790	0.11	0.11	0.00	01 Gyro
215.00	0.070	260.020	215.00	-1131.00	0.19	0.13	-0.15	1735828.03	374220.41	39°31'25.2268"N	80°26'11.3814"W	0.19	310.906	0.10	-0.03	-87.77	
315.00	0.120	177.480	315.00	-1031.00	0.12	0.01	-0.20	1735827.98	374220.29	39°31'25.2257"N	80°26'11.3821"W	0.20	273.467	0.13	0.05	-82.54	
415.00	0.090	159.130	415.00	-931.00	-0.04	-0.17	-0.17	1735828.01	374220.11	39°31'25.2239"N	80°26'11.3816"W	0.24	225.750	0.04	-0.03	-18.35	
515.00	0.370	126.160	515.00	-831.00	-0.42	-0.43	0.12	1735828.30	374219.85	39°31'25.2213"N	80°26'11.3779"W	0.45	164.574	0.30	0.28	-32.97	
615.00	0.310	136.920	615.00	-731.00	-0.99	-0.82	0.56	1735828.74	374219.46	39°31'25.2176"N	80°26'11.3722"W	0.99	145.405	0.09	-0.06	10.78	
715.00	0.260	115.470	715.00	-631.00	-1.46	-1.11	0.95	1735829.13	374219.17	39°31'25.2147"N	80°26'11.3672"W	1.47	139.407	0.12	-0.05	-21.45	
815.00	0.200	96.380	815.00	-531.01	-1.77	-1.23	1.33	1735829.51	374218.05	39°31'25.2136"N	80°26'11.3623"W	1.81	132.719	0.10	-0.06	-19.09	
915.00	0.200	121.540	914.99	-431.01	-2.04	-1.34	1.65	1735829.83	374218.94	39°31'25.2125"N	80°26'11.3582"W	2.13	129.023	0.09	0.00	25.16	
1015.00	0.240	109.380	1014.99	-331.01	-2.37	-1.50	2.00	1735830.18	374218.78	39°31'25.2109"N	80°26'11.3537"W	2.50	126.889	0.08	0.04	-12.16	
1115.00	0.190	99.970	1114.99	-231.01	-2.65	-1.60	2.36	1735830.54	374218.68	39°31'25.2100"N	80°26'11.3491"W	2.85	124.114	0.08	-0.05	-9.41	
1215.00	0.340	128.380	1214.99	-131.01	-3.05	-1.81	2.76	1735830.94	374218.47	39°31'25.2080"N	80°26'11.3440"W	3.30	123.319	0.20	0.15	28.41	
1315.00	0.320	120.810	1314.99	-31.01	-3.59	-2.14	3.23	1735831.41	374218.14	39°31'25.2048"N	80°26'11.3380"W	3.87	123.526	0.06	-0.02	-7.57	
1415.00	0.410	113.350	1414.99	68.99	-4.15	-2.42	3.80	1735831.96	374217.86	39°31'25.2020"N	80°26'11.3307"W	4.51	122.554	0.10	0.09	-7.46	
1515.00	0.610	117.850	1514.98	168.98	-4.92	-2.82	4.60	1735832.78	374217.46	39°31'25.1982"N	80°26'11.3204"W	5.39	121.481	0.20	0.20	4.50	
1615.00	0.660	101.270	1614.98	268.98	-5.80	-3.18	5.63	1735833.81	374217.10	39°31'25.1948"N	80°26'11.3072"W	6.47	119.419	0.19	0.05	-16.58	
1715.00	0.680	101.670	1714.97	368.97	-6.64	-3.41	6.78	1735834.96	374216.87	39°31'25.1926"N	80°26'11.2925"W	7.59	116.697	0.02	0.02	0.40	
1815.00	0.580	99.030	1814.97	468.97	-7.42	-3.81	7.86	1735836.04	374216.67	39°31'25.1907"N	80°26'11.2787"W	8.65	114.660	0.10	-0.10	-2.64	
1915.00	0.770	91.340	1914.96	568.96	-8.16	-3.70	9.03	1735837.21	374216.58	39°31'25.1899"N	80°26'11.2637"W	9.76	112.297	0.21	0.19	-7.69	
2015.00	0.500	73.260	2014.95	668.95	-8.68	-3.59	10.12	1735838.30	374216.69	39°31'25.1911"N	80°26'11.2498"W	10.74	109.548	0.33	-0.27	-18.08	
2115.00	0.510	103.910	2114.95	768.95	-9.15	-3.57	10.97	1735839.15	374216.71	39°31'25.1914"N	80°26'11.2390"W	11.54	108.049	0.27	0.01	30.65	
2215.00	0.300	119.410	2214.95	868.95	-9.72	-3.81	11.63	1735839.81	374216.47	39°31'25.1891"N	80°26'11.2305"W	12.24	108.140	0.24	-0.21	15.50	
2315.00	0.180	111.450	2314.94	968.94	-10.08	-4.00	12.00	1735840.18	374216.26	39°31'25.1873"N	80°26'11.2257"W	12.85	108.412	0.12	-0.12	-7.96	
2415.00	0.220	100.050	2414.94	1068.94	-10.35	-4.09	12.34	1735840.52	374216.19	39°31'25.1865"N	80°26'11.2215"W	13.00	108.326	0.08	0.04	-11.40	
2515.00	0.310	114.710	2514.94	1168.94	-10.71	-4.23	12.77	1735840.95	374216.05	39°31'25.1851"N	80°26'11.2159"W	13.46	108.336	0.11	0.09	14.66	
2615.00	0.330	128.930	2614.94	1268.94	-11.22	-4.53	13.24	1735841.42	374215.75	39°31'25.1822"N	80°26'11.2099"W	14.00	108.874	0.08	0.02	14.22	
2641.00	0.410	118.350	2640.94	1294.94	-11.37	-4.62	13.38	1735841.56	374215.66	39°31'25.1813"N	80°26'11.2081"W	14.16	109.040	0.40	0.31	-40.69	
2763.00	0.480	115.400	2762.94	1416.94	-12.20	-5.05	14.23	1735842.41	374215.23	39°31'25.1772"N	80°26'11.1972"W	15.10	109.623	0.06	0.06	-2.42	SDI.MWD



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Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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]	Built Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2806.00	0.490	113.650	2805.94	1459.94	-12.52	-5.20	14.56	1735842.74	374215.08	39°31'25.1757"N	80°26'11.1930"W	15.46	109.640	0.04	0.02	-4.07	KOP
2849.00	0.810	226.890	2848.93	1502.93	-12.72	-5.48	14.51	1735842.69	374214.80	39°31'25.1729"N	80°26'11.1936"W	15.51	110.686	2.56	0.74	263.35	
2892.00	2.620	249.560	2891.91	1545.91	-12.53	-6.03	13.37	1735841.55	374214.25	39°31'25.1674"N	80°26'11.2081"W	14.66	114.280	4.41	4.21	52.72	
2935.00	3.800	252.790	2934.85	1588.85	-11.87	-6.79	11.08	1735839.26	374213.49	39°31'25.1598"N	80°26'11.2371"W	13.00	121.508	2.78	2.74	7.51	
2978.00	4.390	251.810	2977.74	1631.74	-10.99	-7.73	8.16	1735836.34	374212.55	39°31'25.1500"N	80°26'11.2743"W	11.24	133.452	1.88	1.37	-2.28	
3021.00	5.470	250.540	3020.58	1674.58	-10.00	-8.93	4.66	1735832.84	374211.35	39°31'25.1378"N	80°26'11.3188"W	10.07	152.418	2.52	2.51	-2.95	
3065.00	6.290	250.630	3064.34	1718.34	-8.83	-10.42	0.41	1735828.59	374209.86	39°31'25.1226"N	80°26'11.3728"W	10.43	177.740	1.86	1.86	0.20	
3108.00	6.210	248.210	3107.09	1761.09	-7.71	-12.07	-3.97	1735824.21	374208.21	39°31'25.1059"N	80°26'11.4285"W	12.70	198.210	0.64	-0.19	-5.63	
3151.00	6.190	249.070	3149.84	1803.84	-6.66	-13.76	-8.30	1735819.88	374206.52	39°31'25.0887"N	80°26'11.4835"W	16.07	211.084	0.22	-0.05	2.00	
3194.00	7.010	246.540	3192.55	1846.55	-5.63	-15.63	-12.87	1735815.31	374204.66	39°31'25.0695"N	80°26'11.5415"W	20.25	218.458	3.02	1.91	-5.88	
3237.00	7.890	244.350	3235.19	1889.19	-4.68	-17.96	-17.94	1735810.24	374202.33	39°31'25.0463"N	80°26'11.6060"W	25.38	224.968	2.15	2.05	-5.09	
3281.00	8.670	243.080	3278.73	1932.73	-3.79	-20.76	-23.61	1735804.57	374199.52	39°31'25.0179"N	80°26'11.6781"W	31.45	228.676	1.82	1.77	-2.89	
3324.00	9.390	243.520	3321.20	1975.20	-2.88	-23.80	-29.64	1735798.54	374196.48	39°31'24.9873"N	80°26'11.7546"W	38.01	231.246	1.68	1.67	1.02	
3367.00	10.300	243.640	3363.56	2017.56	-1.86	-27.07	-38.23	1735791.95	374193.21	39°31'24.9543"N	80°26'11.8382"W	45.22	233.237	2.12	2.12	0.28	
3410.00	11.260	243.200	3405.80	2059.80	-0.76	-30.87	-43.43	1735784.76	374189.61	39°31'24.9160"N	80°26'11.9296"W	53.17	234.768	2.29	2.28	-1.02	
3453.00	11.970	241.570	3447.92	2101.92	0.26	-34.69	-51.10	1735777.08	374185.59	39°31'24.8775"N	80°26'12.0270"W	61.76	235.831	1.78	1.60	-3.79	
3540.00	13.440	239.940	3532.79	2186.79	1.97	-44.05	-67.79	1735760.39	374176.23	39°31'24.7832"N	80°26'12.2387"W	80.84	236.984	1.74	1.69	-1.87	
3626.00	15.300	239.730	3616.09	2270.09	3.54	-54.78	-86.24	1735741.94	374165.50	39°31'24.6753"N	80°26'12.4727"W	102.16	237.578	2.16	2.16	-0.24	
3713.00	16.500	239.270	3699.74	2353.74	4.95	-67.10	-106.72	1735721.46	374153.18	39°31'24.5514"N	80°26'12.7325"W	126.06	237.842	1.56	1.49	-1.68	
3799.00	18.490	238.690	3781.74	2435.74	6.27	-80.65	-128.93	1735699.35	374139.63	39°31'24.4152"N	80°26'13.0127"W	151.89	237.953	2.20	2.20	0.49	
3886.00	21.300	242.470	3863.54	2517.54	8.91	-95.12	-154.63	1735673.55	374125.16	39°31'24.2695"N	80°26'13.3401"W	181.55	238.402	3.55	3.23	4.34	
3972.00	23.660	244.260	3943.00	2597.00	13.38	-109.84	-184.03	1735644.15	374110.44	39°31'24.1210"N	80°26'13.7133"W	214.32	239.169	2.86	2.74	2.08	
4059.00	25.930	244.960	4021.98	2675.98	19.11	-125.47	-216.99	1735611.19	374094.81	39°31'23.9631"N	80°26'14.1318"W	250.66	239.962	2.63	2.61	0.80	
4145.00	28.290	245.590	4098.52	2752.52	25.71	-141.86	-252.59	1735575.59	374078.42	39°31'23.7975"N	80°26'14.5839"W	289.70	240.681	2.76	2.74	0.73	
4232.00	30.190	244.860	4174.43	2828.43	32.81	-159.67	-291.17	1735537.01	374060.61	39°31'23.6175"N	80°26'15.0739"W	332.08	241.261	2.22	2.18	-0.84	
4318.00	31.160	241.230	4248.41	2902.41	38.48	-179.57	-330.25	1735497.93	374040.71	39°31'23.4168"N	80°26'15.5700"W	375.91	241.466	2.43	1.13	-4.22	
4405.00	32.020	238.810	4322.52	2976.52	41.99	-202.35	-369.72	1735458.47	374017.93	39°31'23.1876"N	80°26'16.0705"W	421.47	241.308	1.76	0.99	-2.78	
4491.00	33.040	238.260	4395.02	3049.02	44.36	-226.49	-409.16	1735419.02	373993.79	39°31'22.9449"N	80°26'16.5706"W	467.66	241.033	1.23	1.19	-0.64	
4577.00	33.300	237.590	4467.01	3121.01	46.28	-251.47	-449.03	1735379.15	373968.81	39°31'22.6939"N	80°26'17.0761"W	514.65	240.749	0.52	0.30	-0.78	
4663.00	34.270	237.560	4538.49	3192.49	47.94	-277.12	-489.39	1735338.79	373943.16	39°31'22.4363"N	80°26'17.5878"W	562.41	240.480	1.13	1.13	-0.03	



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Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
4750.00	35.260	237.560	4609.96	3263.96	49.64	-303.73	-531.26	1735296.92	373916.55	39°31'22.1689"N	80°26'18.1185"W	611.95	240.243	1.14	1.14	0.00	
4836.00	35.930	237.980	4679.89	3333.89	51.55	-330.42	-573.60	1735254.58	373889.86	39°31'21.9007"N	80°26'18.6553"W	661.97	240.056	0.83	0.78	0.49	
4911.00	38.330	238.720	4739.68	3393.68	53.74	-354.17	-612.14	1735216.04	373866.11	39°31'21.6621"N	80°26'19.1439"W	707.22	239.948	3.25	3.20	0.99	
4998.00	38.560	242.480	4807.83	3461.83	58.46	-380.71	-659.25	1735168.93	373839.57	39°31'21.3949"N	80°26'19.7415"W	761.28	239.994	2.70	0.26	4.32	
5084.00	38.870	243.820	4874.93	3528.93	65.54	-405.00	-707.24	1735120.94	373815.28	39°31'21.1499"N	80°26'20.3507"W	814.99	240.203	1.04	0.36	1.56	
5171.00	38.980	243.730	4942.61	3596.61	73.32	-429.15	-756.28	1735071.90	373791.13	39°31'20.9061"N	80°26'20.9732"W	869.56	240.427	0.14	0.13	-0.10	
5257.00	39.060	242.500	5009.43	3663.43	80.41	-453.64	-804.57	1735023.61	373766.64	39°31'20.6591"N	80°26'21.5861"W	923.64	240.584	0.91	0.08	-1.43	
5343.00	38.720	240.520	5076.37	3730.37	85.98	-479.39	-852.02	1734976.16	373740.89	39°31'20.3997"N	80°26'22.1882"W	977.62	240.636	1.50	-0.40	-2.30	
5430.00	38.550	239.490	5144.33	3798.33	90.17	-508.54	-899.08	1734929.12	373713.74	39°31'20.1265"N	80°26'22.7849"W	1031.94	240.603	0.76	-0.20	-1.18	
5516.00	38.250	240.600	5211.73	3865.73	94.31	-535.21	-945.34	1734882.84	373687.07	39°31'19.8581"N	80°26'23.3719"W	1085.35	240.572	0.87	-0.35	-1.29	
5602.00	38.840	239.970	5278.99	3932.99	98.70	-559.78	-991.88	1734836.30	373660.50	39°31'19.5907"N	80°26'23.9623"W	1138.94	240.561	0.82	0.69	-0.73	
5688.00	39.370	239.490	5345.73	3999.73	102.61	-587.12	-1038.73	1734789.45	373633.16	39°31'19.3156"N	80°26'24.5564"W	1193.18	240.524	0.71	0.62	-0.56	
5775.00	39.390	240.260	5412.97	4066.97	106.74	-614.83	-1086.47	1734741.71	373605.46	39°31'19.0369"N	80°26'25.1619"W	1248.37	240.495	0.56	0.02	0.89	
5861.00	38.200	241.790	5480.00	4134.00	111.83	-640.93	-1133.60	1734694.58	373579.35	39°31'18.7740"N	80°26'25.7599"W	1302.25	240.516	1.78	-1.38	1.78	
5947.00	38.980	242.880	5547.22	4201.22	116.14	-665.83	-1181.11	1734647.07	373554.45	39°31'18.5229"N	80°26'26.3628"W	1355.86	240.588	1.20	0.91	1.27	
6034.00	39.690	242.080	5614.51	4268.51	124.75	-691.32	-1230.01	1734598.17	373528.96	39°31'18.2660"N	80°26'26.9834"W	1410.98	240.662	1.00	0.82	-0.92	
6120.00	38.240	240.140	5681.38	4335.38	129.96	-717.43	-1277.37	1734550.82	373502.85	39°31'18.0031"N	80°26'27.5842"W	1465.05	240.679	2.20	-1.69	-2.26	
6207.00	36.760	238.010	5750.40	4404.40	133.20	-744.63	-1322.80	1734505.38	373475.65	39°31'17.7295"N	80°26'28.1603"W	1517.98	240.624	2.26	-1.70	-2.45	
6293.00	37.400	236.710	5819.01	4473.01	134.80	-772.60	-1366.46	1734461.72	373447.68	39°31'17.4486"N	80°26'28.7137"W	1569.75	240.516	1.18	0.74	-1.51	
6380.00	38.630	239.100	5887.56	4541.56	136.98	-801.05	-1411.85	1734416.33	373419.23	39°31'17.1627"N	80°26'29.2891"W	1623.27	240.431	2.20	1.41	2.75	
6466.00	38.780	240.680	5954.67	4608.67	141.01	-828.02	-1458.37	1734369.82	373392.26	39°31'16.8913"N	80°26'29.8791"W	1677.04	240.413	1.16	0.17	1.84	
6552.00	38.670	239.590	6021.67	4675.67	145.28	-854.87	-1505.12	1734323.06	373365.41	39°31'16.6210"N	80°26'30.4721"W	1730.95	240.404	0.81	0.10	-1.28	
6639.00	38.760	240.850	6089.46	4743.46	149.67	-881.96	-1552.45	1734275.74	373338.32	39°31'16.3484"N	80°26'31.0724"W	1785.48	240.399	0.92	-0.13	1.46	
6725.00	38.470	241.640	6156.66	4810.66	154.96	-907.78	-1599.50	1734228.69	373312.50	39°31'16.0883"N	80°26'31.6694"W	1839.15	240.423	0.67	-0.34	0.92	
6811.00	37.810	240.580	6224.30	4878.30	160.07	-933.44	-1646.00	1734183.18	373286.84	39°31'15.8300"N	80°26'32.2553"W	1882.25	240.413	1.08	-0.77	-1.23	
6898.00	36.900	238.740	6293.46	4947.46	163.83	-960.09	-1691.56	1734136.63	373260.19	39°31'15.5618"N	80°26'32.8371"W	1945.03	240.422	1.66	-1.05	-2.11	
6984.00	37.400	238.370	6362.00	5016.00	166.51	-987.19	-1735.86	1734092.32	373233.09	39°31'15.2894"N	80°26'33.3989"W	1996.94	240.373	0.64	0.58	-0.43	
7071.00	37.680	239.160	6430.99	5084.99	169.45	-1014.67	-1781.19	1734046.99	373205.61	39°31'15.0131"N	80°26'33.9736"W	2049.93	240.332	0.64	0.32	0.91	
7157.00	36.950	239.710	6499.39	5153.39	172.94	-1041.19	-1826.08	1734002.11	373179.10	39°31'14.7484"N	80°26'34.5428"W	2102.05	240.309	0.93	-0.85	0.64	
7243.00	35.830	239.740	6568.61	5222.61	176.62	-1066.91	-1870.14	1733958.04	373153.37	39°31'14.4876"N	80°26'35.1015"W	2153.07	240.295	1.30	-1.30	0.03	



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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 [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [ft/100ft]	Comments
7329.00	37.640	239.940	6637.53	5291.53	180.44	-1092.75	-1914.61	1733913.57	373127.53	39°31'14.2276"N	80°26'35.6657"W	2204.51	240.285	2.11	2.10	0.23	
7416.00	38.760	239.610	6705.90	5359.90	184.36	-1119.83	-1961.10	1733867.08	373100.45	39°31'13.9551"N	80°26'36.2552"W	2258.31	240.273	1.31	1.29	-0.38	
7493.00	39.050	240.530	6765.82	5419.82	188.14	-1143.96	-2003.01	1733825.18	373076.32	39°31'13.7123"N	80°26'36.7868"W	2306.66	240.268	0.84	0.38	1.19	
7580.00	39.890	240.630	6832.98	5486.98	192.95	-1171.13	-2051.18	1733777.00	373049.16	39°31'13.4388"N	80°26'37.3978"W	2361.96	240.276	0.97	0.97	0.11	
7666.00	40.640	236.410	6898.65	5552.85	197.23	-1198.87	-2099.27	1733728.91	373021.41	39°31'13.1595"N	80°26'38.0078"W	2417.49	240.270	1.19	0.76	1.42	
7752.00	41.230	240.280	6963.67	5617.67	201.40	-1227.18	-2147.94	1733680.24	372993.13	39°31'12.8750"N	80°26'38.6250"W	2473.78	240.260	1.03	0.80	0.99	
7838.00	39.570	241.060	7029.16	5683.16	206.32	-1254.47	-2196.52	1733631.66	372965.81	39°31'12.6000"N	80°26'39.2413"W	2529.51	240.269	2.02	-1.93	0.93	
7925.00	37.830	240.990	7097.06	5751.06	211.47	-1280.82	-2244.11	1733584.07	372939.46	39°31'12.3346"N	80°26'39.8450"W	2583.90	240.285	2.00	-2.00	-0.08	
7968.00	37.420	240.000	7131.12	5785.12	213.72	-1293.75	-2266.96	1733561.23	372926.53	39°31'12.2044"N	80°26'40.1348"W	2610.15	240.287	1.70	-0.95	-2.30	
8025.00	37.250	236.200	7172.46	5826.46	215.65	-1309.84	-2294.02	1733534.17	372910.34	39°31'12.0416"N	80°26'40.4779"W	2641.68	240.273	2.12	-0.33	-3.46	03 BH Lucida+SuperiorOC IFR1+Sing+FDIR <8-1/2> (B20' -27'69')
8115.00	37.260	243.930	7248.10	5902.10	221.13	-1337.74	-2344.30	1733483.89	372882.64	39°31'11.7616"N	80°26'41.1158"W	2698.13	240.289	3.65	0.01	6.03	Curve KOP
8209.00	40.780	258.950	7321.29	5975.29	237.48	-1356.18	-2400.13	1733428.05	372864.11	39°31'11.5736"N	80°26'41.8258"W	2756.78	240.532	10.71	3.74	15.98	
8304.00	43.710	275.640	7391.83	6045.83	271.01	-1358.91	-2463.46	1733364.72	372861.38	39°31'11.5401"N	80°26'42.6335"W	2813.41	241.118	12.18	3.08	17.57	
8399.00	49.100	286.430	7457.41	6111.41	320.08	-1345.49	-2530.72	1733297.47	372874.79	39°31'11.6656"N	80°26'43.4935"W	2866.16	242.002	9.98	5.67	11.36	
8494.00	53.660	292.430	7517.12	6171.12	379.76	-1320.83	-2600.31	1733227.87	372899.48	39°31'11.9021"N	80°26'44.3849"W	2916.54	243.072	6.44	4.17	6.32	
8589.00	55.640	300.920	7572.55	6226.55	447.27	-1286.15	-2669.14	1733159.05	372934.13	39°31'12.2377"N	80°26'45.2678"W	2962.85	244.272	7.75	2.72	8.94	
8684.00	60.760	308.440	7622.84	6276.84	522.63	-1240.15	-2735.35	1733092.83	372980.13	39°31'12.6854"N	80°26'46.1189"W	3003.36	245.611	8.62	5.39	7.92	
8779.00	67.120	315.890	7664.40	6318.40	605.55	-1182.84	-2798.41	1733029.77	373037.44	39°31'13.2453"N	80°26'46.9313"W	3038.13	247.087	9.71	6.89	7.84	
8874.00	74.270	323.430	7695.83	6349.83	694.61	-1114.52	-2856.27	1732971.92	373105.76	39°31'13.9145"N	80°26'47.6787"W	3066.01	248.684	10.61	7.53	7.94	
8879.20†	74.548	323.753	7697.22	6351.22	699.62	-1110.49	-2859.24	1732968.95	373109.79	39°31'13.9540"N	80°26'47.7172"W	3067.32	248.775	9.43	7.29	8.21	Marcellus
8969.00	81.260	329.170	7715.97	6369.97	787.34	-1037.33	-2907.67	1732920.51	373182.95	39°31'14.6721"N	80°26'48.3451"W	3087.17	250.366	9.43	7.36	6.03	
9064.00	89.140	335.130	7723.92	6377.92	881.27	-953.72	-2951.82	1732876.37	373266.56	39°31'15.4938"N	80°26'48.9196"W	3102.06	252.095	10.38	8.29	6.27	
9169.00	89.200	336.200	7725.29	6379.29	974.80	-867.17	-2990.96	1732837.23	373353.11	39°31'16.3451"N	80°26'49.4307"W	3114.13	253.832	1.13	0.06	1.13	Landing Point
9254.00	89.580	336.790	7726.31	6380.31	1068.07	-780.06	-3028.84	1732799.34	373440.22	39°31'17.2021"N	80°26'49.9259"W	3127.68	255.558	0.74	0.40	0.62	
9349.00	89.360	335.290	7727.18	6381.18	1161.49	-693.25	-3067.42	1732780.78	373527.03	39°31'18.0561"N	80°26'50.4299"W	3144.78	257.265	1.60	-0.23	-1.58	
9444.00	89.210	334.360	7728.37	6382.37	1255.25	-607.28	-3107.83	1732720.36	373613.00	39°31'18.9015"N	80°26'50.9571"W	3166.61	258.943	0.99	-0.16	-0.98	
9539.00	88.960	335.010	7729.89	6383.89	1349.04	-521.42	-3148.45	1732679.74	373698.86	39°31'19.7459"N	80°26'51.4869"W	3191.33	260.597	0.73	-0.25	0.68	
9634.00	89.110	335.460	7731.49	6385.49	1442.89	-435.17	-3188.23	1732639.95	373785.12	39°31'20.5942"N	80°26'52.0063"W	3217.80	262.228	0.50	0.16	0.47	
9728.00	89.020	334.860	7733.02	6387.02	1535.37	-349.87	-3227.72	1732600.47	373870.41	39°31'21.4331"N	80°26'52.5216"W	3246.62	263.813	0.65	-0.10	-0.64	
9823.00	88.990	334.820	7734.87	6388.87	1629.12	-263.90	-3268.10	1732560.09	373956.38	39°31'22.2766"N	80°26'53.0485"W	3276.74	265.383	0.05	-0.03	-0.04	



Actual Wellpath Report

Carnegie 3H Proj: 27214'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
9918.00	89.230	335.360	7736.15	6390.15	1722.80	-177.75	-3308.11	1732520.08	374042.53	39°31'23.1259"N	80°26'53.5707"W	3312.88	266.924	0.62	0.25	0.57	
10013.00	89.140	335.260	7737.50	6391.50	1816.43	-91.44	-3347.79	1732480.40	374128.84	39°31'23.9747"N	80°26'54.0886"W	3349.04	268.435	0.14	-0.09	-0.11	
10108.00	89.140	335.440	7738.92	6392.92	1910.04	-5.11	-3387.40	1732440.78	374215.17	39°31'24.8238"N	80°26'54.6058"W	3387.41	269.914	0.19	0.00	0.19	
10202.00	89.050	334.930	7740.41	6394.41	2002.72	80.20	-3426.85	1732401.34	374300.48	39°31'25.6829"N	80°26'55.1207"W	3427.79	271.341	0.55	-0.10	-0.54	
10298.00	89.230	334.500	7741.85	6395.85	2097.49	166.99	-3467.85	1732360.34	374387.27	39°31'26.5164"N	80°26'55.6556"W	3471.87	272.757	0.49	0.19	-0.45	
10393.00	89.330	335.180	7743.04	6397.04	2191.25	252.97	-3508.23	1732319.95	374473.25	39°31'27.3619"N	80°26'56.1825"W	3517.34	274.124	0.72	0.11	0.72	
10488.00	89.420	334.940	7744.08	6398.08	2284.95	339.11	-3548.29	1732279.90	374559.39	39°31'28.2091"N	80°26'56.7053"W	3564.46	275.459	0.27	0.09	-0.25	
10582.00	89.290	335.080	7745.14	6399.14	2377.67	424.30	-3588.00	1732240.19	374644.58	39°31'29.0469"N	80°26'57.2235"W	3613.00	276.744	0.20	-0.14	0.15	
10678.00	89.910	334.980	7745.81	6399.81	2472.37	511.33	-3628.52	1732199.66	374731.61	39°31'29.9028"N	80°26'57.7524"W	3664.38	278.021	0.65	0.65	-0.10	
10773.00	89.910	334.960	7745.96	6399.86	2566.10	597.42	-3658.70	1732159.49	374817.70	39°31'30.7494"N	80°26'58.2762"W	3717.02	279.249	0.01	0.00	0.01	
10868.00	89.940	335.200	7746.08	6400.08	2659.79	683.58	-3708.70	1732119.49	374903.86	39°31'31.5969"N	80°26'58.7988"W	3771.17	280.443	0.22	0.03	0.22	
10963.00	89.850	334.830	7746.26	6400.26	2753.51	769.69	-3748.83	1732079.36	374989.97	39°31'32.4437"N	80°26'59.3225"W	3827.03	281.602	0.40	-0.09	-0.39	
11058.00	89.720	334.930	7746.51	6400.51	2847.26	855.71	-3789.16	1732039.03	375075.98	39°31'33.2896"N	80°26'59.8488"W	3884.58	282.726	0.17	-0.14	0.11	
11153.00	89.780	335.030	7747.03	6401.03	2940.99	941.79	-3829.33	1731998.85	375162.07	39°31'34.1362"N	80°27'0.3731"W	3943.45	283.817	0.12	0.06	0.11	
11248.00	89.680	335.000	7747.31	6401.31	3034.71	1027.90	-3869.46	1731958.73	375248.18	39°31'34.9831"N	80°27'0.8958"W	4003.66	284.877	0.11	0.11	-0.03	
11343.00	89.850	335.350	7747.53	6401.53	3128.38	1114.12	-3909.35	1731918.84	375334.40	39°31'35.8310"N	80°27'1.4174"W	4065.00	285.907	0.37	-0.03	0.37	
11437.00	89.910	335.030	7747.73	6401.73	3221.06	1198.44	-3948.79	1731879.40	375419.72	39°31'36.6702"N	80°27'1.9323"W	4126.94	286.886	0.35	0.06	-0.34	
11533.00	89.880	335.100	7747.90	6401.90	3315.75	1286.50	-3989.26	1731838.93	375506.77	39°31'37.5263"N	80°27'2.4606"W	4191.57	287.874	0.08	-0.03	0.07	
11628.00	89.970	335.190	7748.03	6402.03	3409.44	1372.70	-4029.19	1731799.00	375592.97	39°31'38.3741"N	80°27'2.9816"W	4256.61	288.813	0.13	0.09	0.09	
11723.00	90.150	335.140	7747.83	6401.93	3503.11	1458.91	-4069.09	1731756.10	375679.19	39°31'39.2220"N	80°27'3.5027"W	4322.72	289.725	0.20	0.15	-0.05	
11818.00	90.060	335.210	7747.76	6401.76	3596.79	1545.13	-4108.98	1731719.21	375765.41	39°31'40.0700"N	80°27'4.0233"W	4389.89	290.608	0.12	-0.08	0.07	
11912.00	90.180	335.660	7747.56	6401.56	3689.40	1630.62	-4148.06	1731680.13	375850.90	39°31'40.9108"N	80°27'4.5336"W	4457.05	291.460	0.50	0.13	0.48	
12008.00	90.120	334.990	7747.31	6401.31	3784.02	1717.86	-4188.13	1731640.06	375938.13	39°31'41.7688"N	80°27'5.0568"W	4526.75	292.302	0.70	-0.06	-0.70	
12103.00	89.970	334.640	7747.23	6401.23	3877.79	1803.83	-4228.56	1731599.63	376024.10	39°31'42.6142"N	80°27'5.5844"W	4597.23	293.102	0.40	-0.16	-0.37	
12198.00	90.180	334.770	7747.11	6401.11	3971.59	1888.72	-4269.15	1731559.04	376109.99	39°31'43.4589"N	80°27'6.1140"W	4668.69	293.876	0.26	0.22	0.14	
12293.00	90.340	335.280	7746.68	6400.68	4065.30	1975.83	-4309.26	1731518.93	376196.11	39°31'44.3058"N	80°27'6.6375"W	4740.64	294.632	0.56	0.17	0.54	
12388.00	90.120	334.890	7746.30	6400.30	4159.00	2061.99	-4349.28	1731478.91	376282.27	39°31'45.1531"N	80°27'7.1599"W	4813.32	295.366	0.47	-0.23	-0.41	
12483.00	89.970	334.830	7746.22	6400.22	4252.76	2147.99	-4389.64	1731438.55	376368.27	39°31'45.9989"N	80°27'7.6866"W	4887.01	296.074	0.17	-0.16	-0.06	
12578.00	90.250	335.310	7746.04	6400.04	4346.46	2234.14	-4429.68	1731398.50	376454.41	39°31'46.8461"N	80°27'8.2093"W	4961.20	296.764	0.58	0.29	0.51	
12672.00	89.780	335.130	7746.01	6400.01	4439.14	2319.48	-4469.08	1731359.11	376539.76	39°31'47.6855"N	80°27'8.7237"W	5035.15	297.430	0.54	-0.50	-0.19	



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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
12768.00	89.970	334.830	7746.22	6400.22	4533.85	2406.47	-4509.68	1731318.50	376626.75	39°31'48.5410"N	80°27'9.2536"W	5111.59	298.085	0.37	0.20	-0.31	
12862.00	89.790	334.700	7746.42	6400.42	4626.65	2491.50	-4549.76	1731278.43	376711.78	39°31'49.3771"N	80°27'9.7766"W	5187.28	298.706	0.24	-0.19	-0.14	
12957.00	89.880	335.400	7746.69	6400.69	4720.35	2577.64	-4589.83	1731238.36	376797.91	39°31'50.2242"N	80°27'10.2997"W	5264.10	299.318	0.74	0.09	0.74	
13051.00	89.720	335.270	7747.02	6401.02	4813.00	2663.06	-4629.06	1731199.13	376883.34	39°31'51.0644"N	80°27'10.8119"W	5340.42	299.911	0.22	-0.17	-0.14	
13241.00	89.790	335.120	7747.83	6401.83	5000.33	2835.53	-4708.77	1731119.42	377055.80	39°31'52.7604"N	80°27'11.8525"W	5495.51	301.058	0.09	0.04	-0.08	
13335.00	89.880	334.550	7748.11	6402.11	5093.11	2920.61	-4748.74	1731079.45	377140.88	39°31'53.5972"N	80°27'12.3742"W	5574.99	301.593	0.61	0.10	-0.61	
13430.00	90.090	335.140	7748.13	6402.13	5186.87	3006.60	-4789.12	1731039.07	377226.87	39°31'54.4429"N	80°27'12.9012"W	5654.67	302.120	0.66	0.22	0.62	
13525.00	90.090	335.590	7747.98	6401.98	5280.49	3092.95	-4828.72	1730999.47	377313.22	39°31'55.2922"N	80°27'13.4183"W	5734.36	302.641	0.47	0.00	0.47	
13620.00	89.750	335.220	7748.11	6402.11	5374.10	3179.33	-4868.26	1730959.93	377399.60	39°31'56.1417"N	80°27'13.9348"W	5814.47	303.147	0.53	-0.36	-0.39	
13714.00	89.850	335.031	7748.44	6402.44	5466.80	3264.61	-4907.80	1730920.39	377484.88	39°31'56.9854"N	80°27'14.4506"W	5894.42	303.631	0.23	0.11	-0.20	
13809.00	89.820	335.690	7748.72	6402.72	5560.42	3350.96	-4947.41	1730880.78	377571.23	39°31'57.8297"N	80°27'14.9680"W	5975.43	304.110	0.70	-0.03	0.69	
13904.00	89.910	335.400	7748.94	6402.94	5653.99	3437.44	-4986.74	1730841.45	377657.71	39°31'58.6802"N	80°27'15.4817"W	6056.69	304.579	0.32	0.09	-0.31	
13999.00	89.820	335.230	7749.16	6403.16	5747.63	3523.75	-5026.41	1730801.78	377744.03	39°31'59.5292"N	80°27'15.9997"W	6138.54	305.032	0.20	-0.09	-0.18	
14093.00	89.790	335.110	7749.48	6403.48	5840.32	3609.06	-5065.88	1730762.31	377829.34	39°32'0.3682"N	80°27'16.5151"W	6220.01	305.467	0.13	-0.03	-0.13	
14188.00	89.600	335.210	7749.89	6403.99	5933.99	3695.27	-5105.79	1730722.40	377915.55	39°32'1.2160"N	80°27'17.0361"W	6302.71	305.895	0.23	-0.20	0.11	
14282.00	89.820	335.210	7750.46	6404.46	6026.67	3780.61	-5145.20	1730682.99	378000.88	39°32'2.0553"N	80°27'17.5507"W	6384.84	306.308	0.23	0.23	0.00	
14377.00	89.790	335.040	7750.79	6404.79	6120.36	3866.80	-5185.16	1730643.03	378087.07	39°32'2.9029"N	80°27'18.0724"W	6468.23	306.713	0.18	-0.03	-0.18	
14471.00	89.910	335.720	7751.03	6405.03	6212.99	3952.25	-5224.32	1730603.87	378172.52	39°32'3.7434"N	80°27'18.5838"W	6550.87	307.108	0.73	0.13	0.72	
14566.00	89.820	335.250	7751.26	6405.26	6306.57	4038.69	-5263.74	1730564.45	378258.96	39°32'4.5935"N	80°27'19.0986"W	6634.60	307.498	0.50	-0.09	-0.49	
14661.00	89.910	336.360	7751.48	6405.48	6400.21	4125.00	-5303.43	1730524.76	378345.27	39°32'5.4424"N	80°27'19.6189"W	6718.78	307.876	0.15	0.09	0.12	
14756.00	89.850	335.410	7751.68	6405.68	6493.83	4211.36	-5343.00	1730485.19	378431.64	39°32'6.2918"N	80°27'20.1337"W	6803.18	308.245	0.06	-0.06	0.05	
14851.00	89.850	334.350	7751.93	6405.93	6587.58	4297.38	-5383.33	1730444.86	378517.65	39°32'7.1376"N	80°27'20.6601"W	6888.23	308.599	1.12	0.00	-1.12	
14945.00	90.120	333.530	7751.95	6405.95	6680.58	4381.82	-5424.62	1730403.57	378602.09	39°32'7.9679"N	80°27'21.1986"W	6973.30	308.930	0.92	0.29	-0.87	
15039.00	89.910	333.010	7751.93	6405.93	6773.74	4465.77	-5466.90	1730361.29	378686.05	39°32'8.7932"N	80°27'21.7496"W	7059.05	309.245	0.60	-0.22	-0.55	
15134.00	90.060	334.890	7751.95	6405.95	6867.73	4551.12	-5508.63	1730319.56	378771.39	39°32'9.8322"N	80°27'22.2936"W	7145.48	309.563	1.97	0.16	1.97	Deepest Point of Well
15229.00	90.340	335.280	7751.62	6405.62	6961.42	4637.27	-5548.66	1730279.53	378857.54	39°32'10.4795"N	80°27'22.8164"W	7231.31	309.887	0.51	0.29	0.42	
15324.00	90.520	335.370	7750.91	6404.91	7055.05	4723.59	-5588.32	1730239.88	378943.86	39°32'11.3285"N	80°27'23.3343"W	7317.21	310.207	0.21	0.19	0.09	
15418.00	90.430	335.220	7750.13	6404.13	7147.70	4808.99	-5627.60	1730200.59	379029.26	39°32'12.1683"N	80°27'23.8473"W	7402.45	310.515	0.19	-0.10	-0.16	
15513.00	90.000	335.530	7749.77	6403.77	7241.32	4895.35	-5667.19	1730161.01	379115.62	39°32'13.0177"N	80°27'24.3643"W	7488.75	310.821	0.56	-0.45	0.33	
15609.00	89.910	334.890	7749.86	6403.86	7335.97	4982.50	-5707.44	1730120.75	379202.77	39°32'13.8748"N	80°27'24.8899"W	7575.29	311.120	0.67	-0.09	-0.67	



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
15703.00	89.910	335.240	7750.00	6404.00	7428.69	5067.74	-5747.07	1730081.12	379288.01	39°32'14.7131"N	80°27'25.4073"W	7662.29	311.406	0.37	0.00	0.37	
15798.00	90.000	335.400	7750.07	6404.07	7522.32	5154.06	-5786.73	1730041.46	379374.33	39°32'15.5620"N	80°27'25.9253"W	7749.23	311.690	0.19	0.08	0.17	
15893.00	89.970	335.040	7750.10	6404.10	7615.98	5240.31	-5826.55	1730001.64	379460.58	39°32'16.4103"N	80°27'26.4453"W	7836.43	311.968	0.38	-0.03	-0.38	
15988.00	90.370	335.730	7749.81	6403.81	7709.60	5326.68	-5866.12	1729962.07	379546.95	39°32'17.2597"N	80°27'26.9621"W	7923.69	312.241	0.84	0.42	0.73	
16083.10	90.060	335.320	7749.46	6403.46	7803.17	5413.14	-5805.48	1729922.71	379633.41	39°32'18.1101"N	80°27'27.4762"W	8011.04	312.509	0.54	-0.33	-0.43	
16178.00	90.240	335.590	7749.21	6403.21	7896.77	5499.55	-5944.94	1729883.25	379719.82	39°32'18.9600"N	80°27'27.9916"W	8098.61	312.771	0.34	0.19	0.28	
16273.00	90.710	336.090	7748.42	6402.42	7990.25	5586.23	-5983.82	1729844.37	379806.50	39°32'19.8126"N	80°27'28.4997"W	8186.09	313.032	0.72	0.49	0.53	
16368.00	90.340	335.680	7747.55	6401.55	8083.71	5672.94	-6022.63	1729805.56	379893.20	39°32'20.6654"N	80°27'29.0069"W	8273.71	313.287	0.58	-0.39	-0.43	
16462.00	90.210	335.160	7747.10	6401.10	8176.33	5758.42	-6061.73	1729766.46	379978.68	39°32'21.5061"N	80°27'29.5176"W	8360.86	313.530	0.57	-0.14	-0.55	
16558.00	90.120	335.330	7746.62	6400.62	8270.97	5845.59	-6101.94	1729726.25	380065.86	39°32'22.3534"N	80°27'30.0427"W	8450.12	313.771	0.19	-0.03	0.17	
16653.00	90.090	335.400	7746.65	6400.65	8364.59	5931.94	-6141.55	1729686.64	380162.21	39°32'23.2127"N	80°27'30.5600"W	8538.53	314.005	0.09	-0.03	0.08	
16748.00	90.060	334.970	7746.53	6400.53	8458.27	6018.17	-6181.42	1729646.77	380238.44	39°32'24.0607"N	80°27'31.0806"W	8627.18	314.233	0.45	-0.03	-0.43	
16843.00	90.150	335.540	7746.35	6400.35	8551.92	6104.44	-6221.18	1729607.01	380324.71	39°32'24.9092"N	80°27'31.5999"W	8715.93	314.457	0.61	0.09	0.50	
16938.00	90.210	335.280	7746.05	6400.05	8645.52	6190.83	-6260.71	1729567.48	380411.10	39°32'25.7588"N	80°27'32.1163"W	8804.71	314.678	0.28	0.06	-0.27	
17033.00	90.150	335.590	7745.75	6399.75	8739.13	6277.23	-6300.22	1729527.88	380497.49	39°32'26.6085"N	80°27'32.6329"W	8893.61	314.895	0.32	-0.06	0.32	
17128.00	90.210	335.730	7745.46	6399.46	8832.66	6363.78	-6339.38	1729488.82	380584.05	39°32'27.4598"N	80°27'33.1439"W	8982.50	315.110	0.17	0.06	0.16	
17222.00	90.340	334.610	7745.00	6399.00	8925.35	6449.09	-6378.85	1729449.34	380669.35	39°32'28.2988"N	80°27'33.6594"W	9070.86	315.314	1.20	0.14	-1.19	
17317.00	90.120	334.000	7744.62	6398.62	9019.25	6534.69	-6420.04	1729408.15	380754.96	39°32'29.1405"N	80°27'34.1968"W	9160.74	315.507	0.68	-0.23	-0.64	
17412.00	90.370	334.300	7744.22	6398.22	9113.19	6620.18	-6461.46	1729366.73	380840.45	39°32'29.9811"N	80°27'34.7372"W	9250.80	315.695	0.41	0.26	0.32	
17507.00	90.150	334.280	7743.79	6397.79	9207.10	6705.78	-6502.66	1729325.53	380926.05	39°32'30.6227"N	80°27'35.2748"W	9340.89	315.881	0.23	-0.23	-0.01	
17602.00	90.180	334.360	7743.51	6397.51	9300.99	6791.40	-6543.82	1729284.37	381011.67	39°32'31.6646"N	80°27'35.6119"W	9431.05	316.064	0.08	0.03	0.07	
17697.00	90.460	334.450	7742.98	6396.98	9394.87	6877.08	-6584.86	1729243.33	381097.34	39°32'32.5070"N	80°27'36.3474"W	9521.27	316.244	0.31	0.29	0.09	
17791.00	90.210	334.550	7742.43	6396.43	9487.74	6961.92	-6625.33	1729202.86	381182.19	39°32'33.3412"N	80°27'36.8755"W	9610.59	316.419	0.29	-0.27	0.11	
17886.00	90.240	334.570	7742.06	6396.06	9581.57	7047.71	-6666.14	1729162.05	381267.97	39°32'34.1848"N	80°27'37.4082"W	9700.91	316.594	0.04	0.03	0.02	
17981.00	89.900	334.200	7741.94	6395.94	9675.45	7133.37	-6707.21	1729120.98	381353.64	39°32'35.0271"N	80°27'37.8441"W	9791.41	316.764	0.53	-0.36	-0.39	
18074.00	89.840	334.550	7742.15	6396.15	9767.36	7217.22	-6747.43	1729080.76	381437.49	39°32'35.8516"N	80°27'38.4689"W	9880.09	316.927	0.38	-0.06	0.38	
18170.00	90.120	334.750	7742.19	6396.19	9862.17	7303.98	-6788.53	1729039.66	381524.24	39°32'36.7047"N	80°27'39.0054"W	9971.57	317.095	0.36	0.29	0.21	
18265.00	90.240	334.550	7741.89	6395.89	9955.98	7389.83	-6829.21	1728998.99	381610.10	39°32'37.5489"N	80°27'39.5363"W	10062.19	317.258	0.25	0.13	-0.21	
18361.00	90.090	334.400	7741.61	6395.61	10050.83	7476.46	-6870.57	1728957.62	381696.73	39°32'38.4007"N	80°27'40.0762"W	10153.93	317.418	0.22	-0.16	-0.16	
18455.00	90.270	334.310	7741.32	6395.32	10143.73	7561.20	-6911.28	1728916.94	381781.47	39°32'39.2399"N	80°27'40.6071"W	10243.89	317.571	0.21	0.19	-0.10	



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
18551.00	90.150	334.550	7740.97	6394.97	10238.59	7647.80	-6952.69	1728875.50	381868.06	39°32'40.0854"N	80°27'41.1478"W	10335.80	317.728	0.28	-0.12	0.25	
18646.00	90.430	334.350	7740.48	6394.48	10332.45	7733.51	-6993.66	1728834.53	381953.77	39°32'40.9281"N	80°27'41.6826"W	10426.81	317.876	0.36	0.29	-0.21	
18741.00	89.930	334.220	7740.19	6394.19	10426.36	7819.10	-7034.88	1728793.31	382039.36	39°32'41.7697"N	80°27'42.2204"W	10517.98	318.022	0.54	-0.53	-0.14	
18835.00	90.180	334.320	7740.10	6394.10	10519.28	7903.78	-7075.69	1728752.50	382124.04	39°32'42.6023"N	80°27'42.7529"W	10608.26	318.164	0.29	0.27	0.11	
18930.00	90.030	334.040	7739.92	6393.92	10613.22	7989.29	-7117.07	1728711.13	382209.56	39°32'43.4431"N	80°27'43.2928"W	10699.60	318.305	0.33	-0.16	-0.29	
19024.00	90.120	334.360	7739.80	6393.80	10706.16	8073.92	-7157.98	1728670.21	382294.19	39°32'44.2751"N	80°27'43.8266"W	10790.04	318.441	0.35	0.10	0.34	
19120.00	90.060	334.230	7739.65	6393.65	10801.05	8160.42	-7199.62	1728628.58	382380.69	39°32'45.1256"N	80°27'44.3689"W	10882.42	318.579	0.15	-0.06	-0.14	
19215.00	90.180	334.350	7739.45	6393.45	10894.96	8246.02	-7240.83	1728587.36	382466.28	39°32'45.9672"N	80°27'44.9077"W	10973.90	318.714	0.18	0.13	0.13	
19310.00	90.180	334.400	7739.15	6393.15	10988.84	8331.67	-7281.92	1728546.28	382551.94	39°32'46.8094"N	80°27'45.4439"W	11065.40	318.846	0.05	0.00	0.05	
19405.00	90.090	334.160	7738.93	6392.93	11082.75	8417.26	-7323.14	1728505.06	382637.52	39°32'47.5510"N	80°27'45.9815"W	11157.00	318.976	0.27	-0.09	-0.25	
19500.00	90.430	334.580	7738.50	6392.50	11176.64	8502.90	-7364.25	1728463.94	382723.17	39°32'48.4931"N	80°27'46.5184"W	11248.63	319.105	0.55	0.36	0.42	
19594.00	90.270	334.530	7737.92	6391.92	11269.49	8587.78	-7404.65	1728423.54	382808.04	39°32'49.3276"N	80°27'47.0457"W	11339.28	319.231	0.17	-0.17	-0.03	
19689.00	90.360	334.650	7737.40	6391.40	11363.32	8673.59	-7445.41	1728382.78	382893.85	39°32'50.1714"N	80°27'47.5778"W	11430.89	319.357	0.16	0.09	0.13	
19783.00	90.300	334.190	7736.86	6390.86	11456.21	8758.37	-7486.00	1728342.19	382978.63	39°32'51.0050"N	80°27'48.1075"W	11521.69	319.479	0.49	-0.06	-0.49	
19879.00	90.330	334.380	7736.53	6390.53	11551.10	8844.86	-7527.65	1728300.54	383065.12	39°32'51.8554"N	80°27'48.5511"W	11614.52	319.600	0.20	0.03	0.20	
19973.00	90.360	334.310	7735.76	6389.76	11644.01	8929.59	-7568.35	1728259.84	383149.86	39°32'52.6885"N	80°27'49.1822"W	11705.45	319.717	0.08	0.03	-0.07	
20068.00	90.330	334.180	7735.19	6389.19	11737.92	9015.15	-7609.63	1728218.57	383235.42	39°32'53.5298"N	80°27'49.7208"W	11797.43	319.833	0.14	-0.03	-0.14	
20163.00	89.960	333.870	7734.95	6388.95	11831.89	9100.56	-7651.24	1728176.96	383320.82	39°32'54.3694"N	80°27'50.2637"W	11889.56	319.945	0.51	-0.39	-0.33	
20258.00	89.960	334.160	7735.02	6389.02	11925.87	9185.95	-7692.86	1728135.34	383406.22	39°32'55.2090"N	80°27'50.8067"W	11981.73	320.055	0.31	0.00	0.31	
20353.00	89.970	335.380	7735.16	6389.16	12019.85	9271.89	-7733.35	1728094.84	383492.15	39°32'56.0543"N	80°27'51.3354"W	12073.84	320.170	1.29	-0.09	1.28	
20448.00	89.990	335.470	7735.27	6389.27	12113.25	9358.28	-7772.86	1728055.33	383578.55	39°32'56.9037"N	80°27'51.8516"W	12165.31	320.287	0.16	0.13	0.09	
20543.00	90.520	335.910	7734.85	6388.85	12206.78	9444.86	-7811.97	1728016.22	383665.12	39°32'57.7552"N	80°27'52.3627"W	12258.93	320.405	0.73	0.56	0.46	
20637.00	90.360	335.360	7734.13	6388.13	12299.34	9530.48	-7850.75	1727977.45	383750.74	39°32'58.5973"N	80°27'52.8695"W	12347.65	320.520	0.61	-0.17	-0.59	
20733.00	89.820	334.940	7734.15	6388.15	12394.00	9617.59	-7891.09	1727937.10	383837.86	39°32'59.4540"N	80°27'53.3965"W	12440.56	320.632	0.89	-0.77	-0.44	
20827.00	90.120	335.620	7734.36	6388.36	12486.66	9702.68	-7930.40	1727897.80	383923.24	39°33'00.2937"N	80°27'53.9100"W	12531.92	320.740	0.90	0.53	0.72	
20922.00	89.840	335.700	7734.39	6388.39	12580.20	9789.54	-7969.56	1727858.64	384009.80	39°33'01.1450"N	80°27'54.4217"W	12623.34	320.851	0.31	-0.29	0.08	
21018.00	90.210	335.540	7734.35	6388.35	12674.73	9876.97	-8009.18	1727819.01	384097.24	39°33'02.0050"N	80°27'54.9396"W	12716.20	320.962	0.42	0.39	-0.17	
21113.00	89.660	335.360	7734.46	6388.46	12768.32	9963.39	-8048.65	1727779.54	384183.65	39°33'02.8548"N	80°27'55.4553"W	12808.20	321.068	0.61	-0.58	-0.19	
21208.00	90.120	335.630	7734.64	6388.64	12861.91	10049.83	-8088.06	1727740.14	384270.09	39°33'03.7050"N	80°27'55.9702"W	12900.22	321.173	0.56	0.48	0.28	
21303.00	90.150	335.330	7734.42	6388.42	12955.49	10136.27	-8127.47	1727700.73	384356.53	39°33'04.5551"N	80°27'56.4852"W	12992.29	321.277	0.30	0.03	-0.29	



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
21397.00	90.360	335.470	7734.00	6388.00	13048.11	10221.74	-8166.58	1727661.61	384442.00	39°33'5.3957"N	80°27'58.9963"W	13083.47	321.377	0.26	0.22	0.13	
21493.00	90.580	335.220	7733.21	6387.21	13142.72	10308.99	-8206.63	1727621.57	384529.25	39°33'6.2537"N	80°27'57.5195"W	13176.64	321.478	0.35	-0.23	-0.26	
21587.00	90.490	335.700	7732.33	6386.33	13235.33	10394.49	-8245.67	1727582.53	384614.75	39°33'7.0946"N	80°27'58.0296"W	13267.87	321.576	0.52	-0.10	0.51	
21683.00	90.240	335.210	7731.72	6385.72	13329.91	10481.82	-8285.55	1727542.65	384702.07	39°33'7.9534"N	80°27'58.5507"W	13361.09	321.675	0.57	-0.26	-0.51	
21778.00	90.180	335.370	7731.57	6385.57	13423.55	10568.12	-8325.25	1727502.94	384788.37	39°33'8.8021"N	80°27'59.0695"W	13453.44	321.770	0.18	-0.06	0.17	
21874.00	90.270	335.880	7731.00	6385.00	13518.11	10655.49	-8365.03	1727463.17	384875.75	39°33'9.6614"N	80°27'59.5893"W	13546.70	321.867	0.34	0.05	0.32	
21969.00	90.360	335.220	7730.48	6384.48	13611.70	10741.90	-8404.50	1727423.70	384962.16	39°33'10.5113"N	80°28'0.1050"W	13639.06	321.960	0.49	0.09	-0.48	
22083.00	90.300	335.510	7729.93	6383.93	13704.34	10827.34	-8443.68	1727384.52	385047.60	39°33'11.3515"N	80°28'0.6170"W	13730.52	322.051	0.32	-0.06	0.31	
22158.00	90.180	335.370	7729.54	6383.54	13797.93	10913.75	-8483.17	1727345.03	385134.00	39°33'12.2013"N	80°28'1.1329"W	13822.95	322.142	0.19	-0.13	-0.15	
22253.00	90.210	335.100	7729.21	6383.21	13891.59	11000.01	-8522.06	1727305.23	385220.27	39°33'13.0495"N	80°28'1.6528"W	13915.50	322.231	0.29	0.03	-0.26	
22348.00	90.360	335.390	7728.74	6382.74	13985.24	11086.28	-8562.74	1727265.45	385308.54	39°33'13.8980"N	80°28'2.1726"W	14008.07	322.318	0.34	0.16	0.31	
22444.00	90.240	335.480	7728.24	6382.24	14079.83	11173.59	-8602.65	1727225.55	385393.85	39°33'14.7567"N	80°28'2.6941"W	14101.58	322.407	0.16	-0.12	0.09	
22538.00	90.080	335.430	7727.97	6381.97	14172.44	11259.09	-8641.70	1727186.50	385479.35	39°33'15.5976"N	80°28'3.2043"W	14193.17	322.493	0.18	-0.17	-0.05	
22634.00	89.620	334.980	7728.23	6382.23	14267.09	11346.24	-8681.97	1727146.22	385566.49	39°33'16.4546"N	80°28'3.7305"W	14286.84	322.577	0.69	-0.48	-0.49	
22729.00	89.540	335.390	7728.57	6382.57	14360.76	11432.48	-8721.86	1727106.34	385652.71	39°33'17.3024"N	80°28'4.2515"W	14379.56	322.660	0.61	0.23	0.45	
22824.00	89.650	335.100	7729.10	6383.10	14454.42	11518.72	-8761.64	1727066.56	385738.98	39°33'18.1508"N	80°28'4.7713"W	14472.30	322.742	0.36	-0.20	-0.31	
22919.00	89.750	335.340	7729.59	6383.59	14548.08	11604.98	-8801.46	1727026.74	385825.23	39°33'18.9990"N	80°28'5.2915"W	14565.06	322.823	0.27	0.11	0.25	
23014.00	89.650	335.250	7730.09	6384.09	14641.72	11691.28	-8841.16	1726987.04	385911.54	39°33'19.8476"N	80°28'5.8103"W	14657.84	322.903	0.14	-0.11	-0.08	
23109.00	89.750	335.310	7730.59	6384.59	14735.36	11777.57	-8880.89	1726947.31	385997.83	39°33'20.6964"N	80°28'6.3293"W	14750.64	322.982	0.12	0.11	0.06	
23204.00	89.780	335.320	7730.98	6384.98	14828.99	11863.89	-8920.58	1726907.64	386084.15	39°33'21.5453"N	80°28'6.8477"W	14843.46	323.060	0.03	0.03	0.01	
23299.00	89.690	335.530	7731.42	6385.42	14922.60	11950.28	-8960.07	1726868.13	386170.54	39°33'22.3949"N	80°28'7.3640"W	14936.27	323.138	0.24	-0.09	0.22	
23394.00	89.810	335.200	7731.83	6385.83	15016.22	12036.64	-8999.67	1726828.53	386256.89	39°33'23.2441"N	80°28'7.8815"W	15029.13	323.215	0.37	0.13	-0.35	
23489.00	89.720	334.940	7732.22	6386.22	15109.92	12122.78	-9039.71	1726788.49	386343.04	39°33'24.0913"N	80°28'8.4046"W	15122.11	323.289	0.29	-0.09	-0.27	
23584.00	89.690	335.310	7732.71	6386.71	15203.60	12208.97	-9079.67	1726748.53	386429.23	39°33'24.9388"N	80°28'8.9266"W	15215.10	323.362	0.39	-0.03	0.39	
23679.00	89.750	334.980	7733.18	6387.18	15297.29	12295.17	-9119.60	1726708.60	386515.42	39°33'25.7865"N	80°28'9.4483"W	15308.11	323.435	0.35	0.08	-0.35	
23774.00	89.840	335.890	7733.52	6387.52	15390.88	12381.57	-9159.10	1726669.10	386601.82	39°33'26.6362"N	80°28'9.9644"W	15401.05	323.508	0.96	0.09	0.96	
23869.00	89.690	335.410	7733.90	6387.90	15484.42	12468.12	-9198.27	1726629.93	386688.37	39°33'27.4874"N	80°28'10.4764"W	15493.94	323.582	0.53	-0.16	-0.51	
23964.00	89.620	335.650	7734.48	6388.48	15578.00	12554.58	-9237.62	1726590.58	386774.84	39°33'28.3378"N	80°28'10.9907"W	15586.89	323.655	0.26	-0.07	0.25	
24059.00	89.810	335.410	7734.95	6388.95	15671.57	12641.05	-9276.97	1726551.23	386861.30	39°33'29.1881"N	80°28'11.5051"W	15679.87	323.726	0.32	0.20	-0.25	
24155.00	89.810	335.500	7735.27	6389.27	15766.15	12728.37	-9316.84	1726511.35	386948.63	39°33'30.0469"N	80°28'12.0282"W	15773.87	323.797	0.09	0.00	0.09	



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
24251.00	90.180	335.540	7735.28	6389.28	15860.71	12815.74	-9356.62	1726471.57	387036.00	39°33'30.9062"N	80°28'12.5462"W	15867.88	323.867	0.39	0.39	0.04	
24346.00	90.120	335.450	7735.03	6389.03	15954.29	12902.19	-9396.03	1726432.17	387122.44	39°33'31.7563"N	80°28'13.0612"W	15960.94	323.936	0.11	-0.06	-0.09	
24440.00	90.020	335.190	7734.91	6388.91	16046.94	12987.60	-9435.28	1726392.92	387207.85	39°33'32.5963"N	80°28'13.5741"W	16053.10	324.002	0.30	-0.11	-0.28	
24535.00	90.700	335.670	7734.32	6388.32	16140.54	13073.99	-9474.78	1726353.42	387294.25	39°33'33.4459"N	80°28'14.0903"W	16146.23	324.069	0.88	0.72	0.51	
24630.00	90.760	335.550	7733.11	6387.11	16234.08	13160.51	-9514.00	1726314.19	387380.76	39°33'34.2968"N	80°28'14.6031"W	16239.31	324.136	0.14	0.06	-0.13	
24725.00	90.580	335.270	7731.99	6385.99	16327.69	13246.89	-9553.53	1726274.67	387467.14	39°33'35.1463"N	80°28'15.1197"W	16332.48	324.201	0.35	-0.19	-0.29	
24821.00	90.610	335.420	7731.00	6385.00	16422.29	13334.13	-9593.58	1726234.62	387554.38	39°33'36.0042"N	80°28'15.6430"W	16426.68	324.266	0.16	0.03	0.16	
24917.00	90.580	334.970	7730.00	6384.00	16516.94	13421.27	-9633.85	1726194.35	387641.52	39°33'36.8611"N	80°28'16.1692"W	16520.94	324.329	0.47	-0.03	-0.47	
25012.00	90.730	335.410	7728.91	6382.91	16610.60	13507.50	-9673.71	1726154.49	387727.75	39°33'37.7091"N	80°28'16.6901"W	16614.24	324.391	0.49	0.16	0.46	
25107.00	90.640	335.290	7727.78	6381.78	16704.22	13593.83	-9713.33	1726114.87	387814.08	39°33'38.5581"N	80°28'17.2678"W	16707.51	324.453	0.16	-0.04	-0.13	
25202.00	90.520	335.400	7726.82	6380.82	16797.84	13680.17	-9752.96	1726075.24	387900.42	39°33'39.4072"N	80°28'17.7257"W	16800.81	324.514	0.17	-0.13	0.12	
25298.00	90.730	335.490	7725.77	6379.77	16892.42	13767.48	-9792.85	1726035.35	387987.73	39°33'40.2658"N	80°28'18.2471"W	16895.07	324.576	0.24	0.22	0.09	
25392.00	90.730	335.130	7724.57	6378.57	16985.07	13852.88	-9832.11	1725996.09	388073.13	39°33'41.1057"N	80°28'18.7602"W	16987.43	324.635	0.38	0.00	-0.38	
25488.00	90.480	335.060	7723.56	6377.56	17079.74	13939.95	-9872.54	1725955.66	388160.20	39°33'41.9619"N	80°28'19.2884"W	17081.83	324.693	0.27	-0.26	-0.07	
25583.00	90.510	335.010	7722.74	6376.74	17173.45	14026.07	-9912.63	1725915.57	388246.32	39°33'42.8087"N	80°28'19.8122"W	17175.30	324.750	0.58	0.03	-0.05	
25678.00	90.510	333.670	7721.89	6375.89	17267.34	14111.69	-9953.77	1725874.43	388331.95	39°33'43.6506"N	80°28'20.3492"W	17268.97	324.803	1.41	0.00	-1.41	
25773.00	90.820	335.100	7720.79	6374.79	17361.21	14197.35	-9994.83	1725833.37	388417.60	39°33'44.4927"N	80°28'20.8854"W	17362.64	324.855	1.54	0.33	1.51	
25868.00	90.850	335.120	7719.41	6373.41	17454.89	14283.52	-10034.81	1725793.39	388503.77	39°33'45.3401"N	80°28'21.4078"W	17456.12	324.910	0.04	0.03	0.02	
25963.00	90.980	335.250	7717.89	6371.89	17548.55	14369.73	-10074.68	1725753.52	388589.98	39°33'46.1879"N	80°28'21.9287"W	17549.60	324.966	0.19	0.14	0.14	
26058.00	90.760	335.340	7716.45	6370.45	17642.18	14456.03	-10114.38	1725713.63	388676.28	39°33'47.0365"N	80°28'22.4476"W	17643.05	325.021	0.25	-0.23	0.03	
26153.00	90.790	335.140	7715.16	6369.16	17735.83	14542.29	-10154.16	1725674.04	388762.54	39°33'47.8848"N	80°28'22.9675"W	17736.55	325.075	0.21	0.03	-0.21	
26248.00	90.980	335.600	7713.69	6367.69	17829.45	14628.60	-10193.82	1725634.38	388848.85	39°33'48.7336"N	80°28'23.4858"W	17830.03	325.130	0.43	0.20	0.38	
26343.00	90.580	335.400	7712.40	6366.40	17923.04	14715.00	-10233.29	1725594.91	388935.25	39°33'49.5833"N	80°28'24.0017"W	17923.49	325.184	0.43	-0.42	-0.11	
26438.00	90.580	334.520	7711.44	6365.44	18016.77	14801.07	-10273.50	1725554.70	389021.32	39°33'50.4296"N	80°28'24.5270"W	18017.11	325.235	0.93	0.00	-0.93	
26533.00	90.530	334.270	7710.43	6364.43	18110.64	14886.73	-10314.55	1725513.65	389106.88	39°33'51.2719"N	80°28'25.0631"W	18110.90	325.283	0.28	0.00	0.28	
26627.00	90.610	334.650	7709.50	6363.50	18203.53	14971.51	-10355.15	1725473.05	389191.76	39°33'52.1054"N	80°28'25.5932"W	18203.71	325.330	0.30	0.03	0.30	
26723.00	90.580	334.240	7708.50	6362.50	18298.39	15058.08	-10396.64	1725431.57	389278.33	39°33'52.9565"N	80°28'26.1349"W	18298.52	325.377	0.32	-0.03	-0.32	
26817.00	90.510	334.720	7707.61	6361.61	18391.26	15142.90	-10437.13	1725391.07	389363.15	39°33'53.7905"N	80°28'26.6637"W	18391.33	325.424	0.52	-0.07	0.51	
26913.00	90.450	334.450	7706.81	6360.81	18486.07	15229.61	-10478.33	1725349.87	389449.86	39°33'54.6430"N	80°28'27.2017"W	18486.11	325.471	0.29	-0.06	-0.28	
27008.00	89.840	334.250	7705.57	6360.57	18579.98	15315.24	-10519.45	1725308.75	389535.49	39°33'55.4850"N	80°28'27.7387"W	18579.98	325.516	0.68	-0.64	-0.21	



Actual Wellpath Report

Carnegie 3H Proj: 27214'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 3H
Field	Marion	API	47-049-02521
Facility	Carnegie Pad	Wellbore	Carnegie 3H
Slot	Slot 03		

WELLPATH DATA (303 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
27103.00	90.270	334.370	7706.47	6360.47	18673.86	15400.85	-10560.63	1725267.57	389621.10	39°33'56.3267"N	80°28'28.2764"W	18673.87	325.561	0.47	0.45	0.13	
27189.00	90.330	334.360	7706.02	6360.02	18758.86	15478.39	-10597.84	1725230.36	389698.64	39°33'57.0890"N	80°28'28.7622"W	18758.86	325.601	0.07	0.07	-0.01	Final Survey
27214.00†	90.330	334.360	7705.88	6359.88	18783.56	15500.93	-10608.66	1725219.54	389721.17	39°33'57.3106"N	80°28'28.9035"W	18783.57	325.613	0.00	0.00	0.00	Projection to TD

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Carnegie 3H - BHL	7726.00	15497.14	-10614.73	1725213.47	389717.39	39°33'57.2725"N	80°28'28.9805"W	point
Carnegie 3H - LP	7726.00	-916.30	-2960.65	1732867.54	373303.98	39°31'15.8627"N	80°26'49.0374"W	point

WELLPATH COMPOSITION - Ref Wellbore: Carnegie 3H Ref Wellpath: Carnegie 3H Proj: 27214'

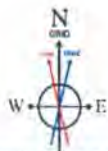
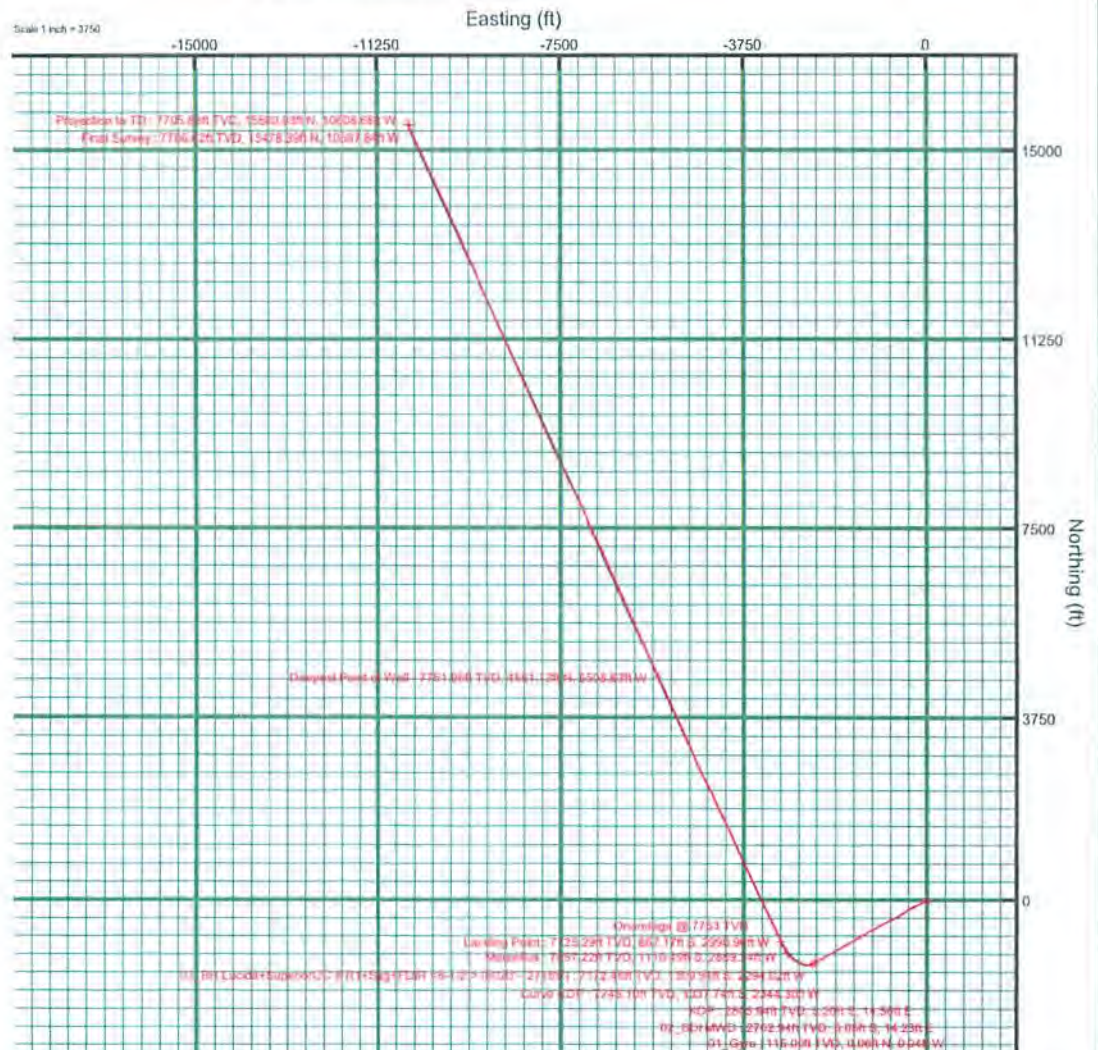
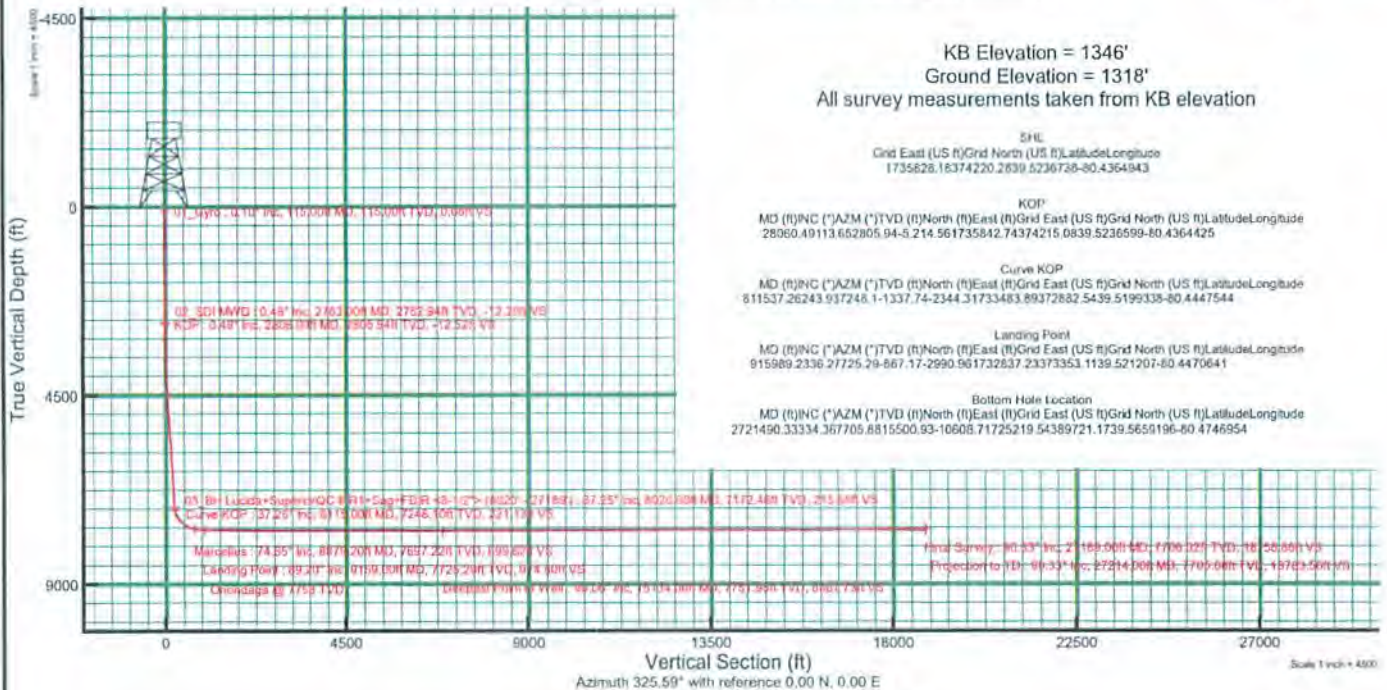
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2641.00	BH Generic gyro - northseeking (Standard)	01 Gyro	Carnegie 3H	4/24/2024
2641.00	7968.00	OWSG MWD rev2 - Standard	02 SDI MWD	Carnegie 3H	4/24/2024
7968.00	27214.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (8020' - 27189')	Carnegie 3H	5/14/2024



EQT PRODUCTION COMPANY

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

Slot: Slot 03
Well: Carnegie 3H
Wellbore: Carnegie 3H



User specified Mag. 86.25° Field: 31008 ft
Magnetic North is 8.62 degrees West of True North (at 1/10/2024)
Grid North is 0.60 degrees West of True North
To correct azimuth from True to Grid add 0.60 degrees
To correct azimuth from Magnetic to Grid subtract 8.62 degrees

09/19/2025