



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

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	5/15/2024 at 8:19:41 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	0.00	0.00	1735825.08	374205.61	39°31'25.0803"N	80°26'11.4171"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 01)	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	322.64°



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WELLPATH DATA (320 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	207.240	0.00	-1346.00	0.00	0.00	0.00	1735825.08	374205.61	39°31'25.0803"N	80°26'11.4171"W	0.00	0.000	0.00	0.00	0.00	
28.00	0.000	207.240	28.00	-1318.00	0.00	0.00	0.00	1735825.08	374205.61	39°31'25.0803"N	80°26'11.4171"W	0.00	0.000	0.00	0.00	0.00	
115.00	0.030	207.240	115.00	-1231.00	-0.01	-0.02	-0.01	1735825.07	374205.59	39°31'25.0801"N	80°26'11.4172"W	0.02	207.240	0.03	0.03	0.00	01 Gyro
215.00	0.050	135.800	215.00	-1131.00	-0.06	-0.07	0.01	1735825.09	374205.54	39°31'25.0795"N	80°26'11.4170"W	0.08	173.887	0.05	0.02	-71.44	
315.00	0.100	134.470	315.00	-1031.00	-0.19	-0.17	0.10	1735825.18	374205.44	39°31'25.0786"N	80°26'11.4158"W	0.20	148.943	0.05	0.05	-1.33	
415.00	0.100	158.690	415.00	-931.00	-0.36	-0.31	0.19	1735825.27	374205.30	39°31'25.0772"N	80°26'11.4146"W	0.37	147.841	0.04	0.00	24.22	
515.00	0.140	179.120	515.00	-831.00	-0.55	-0.51	0.23	1735825.31	374205.10	39°31'25.0752"N	80°26'11.4141"W	0.56	156.016	0.06	0.04	20.43	
615.00	0.250	154.350	615.00	-731.00	-0.86	-0.83	0.32	1735825.40	374204.78	39°31'25.0721"N	80°26'11.4128"W	0.89	156.686	0.14	0.11	-24.77	
715.00	0.140	157.580	715.00	-631.00	-1.19	-1.14	0.47	1735825.55	374204.47	39°31'25.0690"N	80°26'11.4110"W	1.23	157.810	0.11	-0.11	3.23	
815.00	0.250	145.580	815.00	-531.00	-1.53	-1.43	0.64	1735825.72	374204.18	39°31'25.0682"N	80°26'11.4098"W	1.57	156.104	0.12	0.11	-12.00	
915.00	0.230	157.720	915.00	-431.00	-1.94	-1.80	0.83	1735825.91	374203.81	39°31'25.0628"N	80°26'11.4082"W	1.98	155.117	0.05	-0.02	12.14	
1005.00	0.460	146.830	1005.00	-341.00	-2.47	-2.27	1.10	1735826.18	374203.34	39°31'25.0580"N	80°26'11.4027"W	2.52	154.120	0.26	0.26	-12.10	
1159.00	0.280	125.540	1159.00	-187.01	-3.45	-3.01	1.75	1735826.83	374202.60	39°31'25.0507"N	80°26'11.3944"W	3.48	149.856	0.15	-0.12	-13.82	02 SDI MWD
1202.00	0.180	146.550	1201.99	-144.01	-3.62	-3.12	1.87	1735826.95	374202.49	39°31'25.0496"N	80°26'11.3928"W	3.64	149.114	0.30	-0.23	48.86	
1245.00	0.420	241.550	1244.99	-101.01	-3.66	-3.25	1.77	1735826.85	374202.36	39°31'25.0483"N	80°26'11.3911"W	3.70	151.504	1.10	0.56	220.93	
1288.00	1.370	239.350	1287.99	-58.01	-3.57	-3.59	1.19	1735826.27	374202.02	39°31'25.0449"N	80°26'11.4015"W	3.78	161.726	2.21	2.21	-5.12	
1332.00	2.180	234.320	1331.96	-14.04	-3.49	-4.35	0.05	1735825.13	374201.26	39°31'25.0373"N	80°26'11.4158"W	4.35	179.291	1.87	1.84	-11.43	
1375.00	3.390	236.850	1374.91	28.91	-3.37	-5.52	-1.67	1735823.41	374200.09	39°31'25.0255"N	80°26'11.4377"W	5.77	196.879	2.83	2.81	5.88	
1418.00	4.940	239.790	1417.80	71.80	-3.05	-7.15	-4.34	1735820.74	374198.46	39°31'25.0092"N	80°26'11.4715"W	8.36	211.264	3.64	3.60	6.84	
1461.00	8.030	239.840	1460.60	114.60	-2.53	-9.21	-7.89	1735817.19	374196.43	39°31'24.9884"N	80°26'11.5166"W	12.13	220.583	2.53	2.53	0.12	
1504.00	7.580	239.090	1503.30	157.30	-1.93	-11.81	-12.26	1735812.80	374193.80	39°31'24.9623"N	80°26'11.5722"W	17.03	226.126	3.61	3.60	-1.74	
1548.00	8.390	239.030	1546.87	200.87	-1.25	-14.95	-17.52	1735807.56	374190.66	39°31'24.9307"N	80°26'11.6387"W	23.03	229.531	1.84	1.84	-0.14	
1591.00	9.230	239.780	1589.36	243.36	-0.47	-18.30	-23.19	1735801.89	374187.31	39°31'24.8970"N	80°26'11.7106"W	29.54	231.726	1.97	1.95	1.74	
1634.00	10.170	241.010	1631.75	285.75	0.51	-21.87	-29.49	1735795.59	374183.74	39°31'24.8610"N	80°26'11.7905"W	36.72	233.436	2.24	2.19	2.85	
1677.00	10.820	242.230	1674.03	328.03	1.73	-25.59	-35.36	1735788.10	374180.02	39°31'24.8235"N	80°26'11.8780"W	44.48	234.875	1.60	1.51	2.84	
1720.00	11.230	243.070	1716.23	370.23	3.17	-29.37	-43.69	1735781.39	374176.24	39°31'24.7855"N	80°26'11.9707"W	52.64	236.087	1.02	0.95	1.95	
1763.00	11.710	243.610	1758.37	412.37	4.75	-33.21	-51.33	1735773.75	374172.40	39°31'24.7468"N	80°26'12.0677"W	61.13	237.100	1.14	1.12	1.26	
1849.00	12.050	243.940	1842.53	496.53	8.17	-41.03	-67.21	1735757.87	374164.58	39°31'24.6678"N	80°26'12.2693"W	78.75	238.598	0.40	0.40	0.38	
1936.00	8.830	243.780	1928.08	582.08	11.24	-47.97	-81.36	1735743.72	374157.64	39°31'24.5978"N	80°26'12.4490"W	94.45	239.477	3.70	-3.70	-0.18	
2022.00	7.000	238.090	2013.26	667.26	13.02	-53.56	-91.73	1735733.35	374151.95	39°31'24.5405"N	80°26'12.5806"W	106.28	239.675	2.31	-2.13	-6.62	KOP



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Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
2108.00	7.290	233.200	2098.59	752.59	13.57	-59.70	-100.55	1735724.53	374145.91	39°31'24.4799"N	80°26'12.6923"W	116.94	239.303	0.78	0.34	-5.69	
2194.00	7.910	229.750	2183.84	837.84	13.32	-66.79	-109.44	1735715.64	374138.82	39°31'24.4089"N	80°26'12.8047"W	128.21	238.605	0.89	0.72	-4.01	
2281.00	9.860	237.650	2269.79	923.79	13.67	-74.64	-120.30	1735704.78	374130.97	39°31'24.3301"N	80°26'12.9423"W	141.58	238.182	2.64	2.24	9.08	
2367.00	11.480	243.680	2354.31	1008.31	15.95	-82.37	-134.18	1735690.90	374123.24	39°31'24.2523"N	80°26'13.1184"W	157.45	238.455	2.27	1.86	7.01	
2454.00	12.990	246.710	2439.33	1093.33	19.65	-90.38	-150.77	1735674.31	374115.23	39°31'24.1715"N	80°26'13.3250"W	175.79	239.058	1.78	1.75	1.18	
2540.00	12.880	246.940	2523.15	1177.15	24.04	-98.27	-168.33	1735656.75	374107.34	39°31'24.0917"N	80°26'13.5521"W	194.91	239.725	0.59	-0.13	2.59	
2627.00	10.660	248.210	2608.32	1262.32	28.60	-105.05	-184.72	1735640.36	374100.56	39°31'24.0230"N	80°26'13.7604"W	212.51	240.373	2.57	-2.55	1.46	
2661.00	10.510	247.160	2641.74	1295.74	30.22	-107.42	-190.50	1735634.58	374098.19	39°31'23.9989"N	80°26'13.8338"W	218.70	240.582	0.72	-0.44	-3.09	
2757.00	10.400	243.540	2736.14	1380.14	34.05	-114.68	-206.33	1735618.75	374090.93	39°31'23.9256"N	80°26'14.0348"W	236.06	240.934	0.69	-0.11	-3.77	
2800.00	10.240	242.710	2778.45	1432.45	35.45	-118.16	-213.20	1735611.88	374087.45	39°31'23.8904"N	80°26'14.1220"W	243.76	241.013	0.51	-0.37	-1.93	
2843.00	10.300	241.020	2820.76	1474.76	36.68	-121.78	-219.96	1735605.12	374083.83	39°31'23.8540"N	80°26'14.2075"W	251.42	241.029	0.71	0.14	-3.93	
2886.00	9.970	240.370	2863.09	1517.09	37.74	-125.48	-226.56	1735598.52	374080.13	39°31'23.8167"N	80°26'14.2915"W	258.99	241.020	0.81	-0.77	-1.51	
2930.00	9.670	239.560	2906.44	1560.44	38.70	-129.24	-233.05	1735592.03	374076.37	39°31'23.7790"N	80°26'14.3739"W	266.49	240.990	0.75	-0.68	-1.84	
2973.00	9.890	240.700	2948.82	1602.82	39.65	-132.87	-239.39	1735585.69	374072.74	39°31'23.7424"N	80°26'14.4543"W	273.79	240.967	0.68	0.51	2.65	
3016.00	10.740	241.830	2991.12	1645.12	40.81	-136.57	-246.14	1735578.94	374069.04	39°31'23.7051"N	80°26'14.5399"W	281.49	240.976	2.03	1.98	2.63	
3059.00	11.600	243.250	3033.31	1687.31	42.25	-140.41	-253.53	1735571.55	374065.20	39°31'23.6664"N	80°26'14.6338"W	289.82	241.022	2.10	2.00	3.30	
3102.00	13.070	244.850	3075.32	1729.32	44.07	-144.42	-261.80	1735563.29	374061.19	39°31'23.6259"N	80°26'14.7387"W	298.99	241.116	3.51	3.42	3.72	
3146.00	14.030	244.930	3118.09	1772.09	46.26	-148.80	-271.13	1735553.95	374056.81	39°31'23.5817"N	80°26'14.8572"W	309.28	241.242	2.18	2.18	0.18	
3189.00	15.860	244.880	3159.63	1813.63	48.61	-153.50	-281.17	1735543.91	374052.11	39°31'23.5342"N	80°26'14.9847"W	320.34	241.369	4.26	4.26	-0.12	
3232.00	17.760	245.820	3200.79	1854.79	51.36	-158.68	-292.48	1735532.60	374046.93	39°31'23.4818"N	80°26'15.1283"W	332.75	241.518	4.46	4.42	2.19	
3275.00	19.790	245.800	3241.50	1895.50	54.51	-164.35	-305.10	1735519.98	374041.26	39°31'23.4245"N	80°26'15.2886"W	346.55	241.689	4.72	4.72	-0.05	
3319.00	21.440	245.300	3282.69	1936.69	57.97	-170.77	-319.20	1735505.88	374034.84	39°31'23.3596"N	80°26'15.4677"W	362.01	241.854	3.77	3.75	-1.14	
3362.00	22.770	244.180	3322.52	1976.52	61.35	-177.67	-333.83	1735491.25	374027.94	39°31'23.2898"N	80°26'15.6535"W	378.17	241.977	3.24	3.09	-2.60	
3405.00	23.640	242.730	3362.05	2016.05	64.53	-185.25	-348.99	1735476.10	374020.36	39°31'23.2134"N	80°26'15.8459"W	395.11	242.040	2.42	2.02	-3.37	
3448.00	24.300	241.510	3401.31	2055.31	67.41	-193.45	-364.49	1735460.80	374012.16	39°31'23.1507"N	80°26'16.0425"W	412.64	242.043	2.31	2.00	-2.84	
3491.00	25.500	243.080	3440.28	2094.28	70.47	-201.90	-380.57	1735444.51	374003.71	39°31'23.0456"N	80°26'16.2467"W	430.81	242.054	2.79	2.33	3.65	
3534.00	26.640	243.980	3478.90	2132.90	74.04	-210.32	-397.49	1735427.59	373995.29	39°31'22.9607"N	80°26'16.4615"W	449.70	242.116	2.81	2.65	2.09	
3577.00	28.640	245.060	3516.99	2170.99	78.15	-218.89	-415.50	1735409.58	373986.72	39°31'22.8740"N	80°26'16.6902"W	469.63	242.219	4.79	4.65	2.51	
3621.00	30.790	244.930	3555.21	2209.21	82.82	-228.11	-435.27	1735389.82	373977.50	39°31'22.7809"N	80°26'16.9412"W	491.42	242.342	4.89	4.89	-0.30	
3664.00	33.450	244.990	3591.62	2245.62	87.70	-237.79	-455.98	1735369.10	373967.82	39°31'22.6831"N	80°26'17.2042"W	514.25	242.459	8.19	6.19	0.14	



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Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
3707.00	35.280	243.680	3627.11	2281.11	92.61	-248.30	-477.85	1735347.23	373957.31	39°31'22.5769"N	80°26'17.4819"W	538.51	242.542	4.59	4.26	-3.05	
3750.00	37.790	243.390	3661.66	2315.66	97.44	-259.71	-500.76	1735324.32	373945.90	39°31'22.4618"N	80°26'17.7728"W	564.10	242.587	5.85	5.84	-0.67	
3837.00	41.350	241.410	3728.72	2382.72	106.80	-285.41	-549.85	1735275.23	373920.20	39°31'22.2027"N	80°26'18.3957"W	619.51	242.567	4.34	4.09	-2.28	
3923.00	43.240	240.610	3792.33	2446.33	115.22	-313.47	-600.46	1735224.62	373892.14	39°31'21.9202"N	80°26'19.0379"W	677.36	242.434	2.29	2.20	-0.93	
4009.00	45.120	240.410	3854.00	2509.00	123.42	-342.97	-652.63	1735172.45	373862.64	39°31'21.6232"N	80°26'19.6886"W	737.26	242.277	2.19	2.19	-0.23	
4096.00	46.900	240.280	3914.97	2568.97	131.74	-373.68	-706.56	1735118.52	373831.93	39°31'21.3142"N	80°26'20.3838"W	799.29	242.127	0.90	0.90	-0.15	
4182.00	44.550	238.790	3975.54	2629.54	139.08	-404.82	-759.18	1735065.90	373800.99	39°31'21.0029"N	80°26'21.0511"W	860.28	241.944	1.99	-1.57	-1.73	
4269.00	43.470	239.780	4038.11	2692.11	146.07	-435.50	-811.15	1735013.94	373770.11	39°31'20.6924"N	80°26'21.7101"W	920.66	241.769	1.47	-1.24	1.14	
4355.00	43.210	240.500	4100.66	2754.66	153.77	-464.88	-862.33	1734962.75	373740.72	39°31'20.3966"N	80°26'22.3594"W	979.66	241.671	0.65	-0.30	0.84	
4441.00	43.410	239.340	4163.24	2817.24	161.25	-494.43	-913.30	1734911.70	373711.16	39°31'20.0992"N	80°26'23.0068"W	1038.03	241.571	0.95	0.23	-1.35	
4528.00	42.790	239.290	4226.76	2880.76	168.18	-524.79	-964.50	1734860.58	373680.82	39°31'19.7940"N	80°26'23.6551"W	1098.03	241.449	0.71	-0.71	-0.06	
4614.00	42.450	240.000	4290.05	2944.05	175.26	-554.22	-1014.75	1734810.33	373651.39	39°31'19.4980"N	80°26'24.2924"W	1156.23	241.358	0.68	-0.40	0.83	
4700.00	41.280	239.930	4354.09	3008.09	182.58	-582.94	-1064.44	1734760.65	373622.67	39°31'19.2089"N	80°26'24.9226"W	1213.61	241.292	1.36	-1.36	-0.08	
4787.00	40.080	239.430	4420.07	3074.07	189.53	-611.57	-1113.39	1734711.69	373594.04	39°31'18.9210"N	80°26'25.5435"W	1270.30	241.221	1.43	-1.38	-0.57	
4873.00	39.230	239.550	4486.28	3140.28	196.07	-639.43	-1160.87	1734664.41	373565.18	39°31'18.6407"N	80°26'26.1431"W	1326.15	241.149	0.98	-0.98	0.14	
4951.00	38.030	240.730	4547.21	3201.21	202.42	-663.68	-1202.90	1734622.19	373541.93	39°31'18.3967"N	80°26'26.6787"W	1373.84	241.113	1.81	-1.54	1.51	
5037.00	36.970	242.520	4615.44	3269.44	210.59	-688.57	-1248.95	1734576.13	373517.04	39°31'18.1459"N	80°26'27.2630"W	1426.18	241.131	1.77	-1.23	2.08	
5124.00	38.630	243.540	4684.18	3338.18	220.21	-712.74	-1296.47	1734528.61	373492.87	39°31'17.9021"N	80°26'27.8662"W	1479.47	241.200	2.04	1.91	1.17	
5210.00	40.220	244.560	4750.61	3404.61	231.03	-736.63	-1345.58	1734479.50	373468.98	39°31'17.6609"N	80°26'28.4897"W	1534.02	241.302	2.00	1.85	1.19	
5297.00	41.450	246.100	4816.44	3470.44	243.53	-760.37	-1397.28	1734427.80	373445.25	39°31'17.4210"N	80°26'29.1462"W	1580.77	241.415	1.83	1.41	1.77	
5383.00	41.890	244.630	4880.68	3534.68	256.12	-784.20	-1449.25	1734375.84	373421.41	39°31'17.1800"N	80°26'29.8062"W	1647.81	241.582	1.25	0.51	-1.71	
5470.00	42.100	244.190	4945.34	3599.34	267.99	-809.34	-1501.74	1734323.34	373396.27	39°31'16.9261"N	80°26'30.4727"W	1705.95	241.678	0.42	0.24	-0.51	
5556.00	41.260	243.490	5009.57	3663.57	279.10	-834.55	-1553.07	1734272.01	373371.06	39°31'16.6716"N	80°26'31.1244"W	1763.10	241.748	1.12	-0.98	-0.81	
5643.00	40.890	243.090	5075.15	3729.15	289.67	-860.24	-1604.14	1734220.95	373345.37	39°31'16.4124"N	80°26'31.7725"W	1820.24	241.797	0.52	-0.43	-0.46	
5729.00	39.940	242.650	5140.63	3794.63	299.57	-885.67	-1653.76	1734171.32	373319.94	39°31'16.1560"N	80°26'32.4023"W	1875.99	241.829	1.15	-1.10	-0.51	
5815.00	39.480	242.130	5206.79	3860.79	308.88	-911.13	-1702.45	1734122.64	373294.48	39°31'15.8993"N	80°26'33.0202"W	1930.93	241.845	0.66	-0.53	-0.60	
5902.00	39.140	241.620	5274.10	3928.10	317.73	-937.11	-1751.06	1734074.03	373268.50	39°31'15.6375"N	80°26'33.6370"W	1986.04	241.846	0.54	-0.39	-0.59	
5988.00	38.860	241.570	5340.94	3994.94	326.15	-962.86	-1798.66	1734026.42	373242.76	39°31'15.3781"N	80°26'34.2410"W	2040.17	241.839	0.33	-0.33	-0.06	
6075.00	38.780	240.940	5408.72	4062.72	334.32	-989.08	-1846.48	1733978.61	373216.53	39°31'15.1139"N	80°26'34.8477"W	2094.70	241.824	0.46	-0.09	-0.72	
6161.00	38.810	240.970	5475.75	4129.75	342.11	-1015.24	-1893.38	1733931.50	373190.37	39°31'14.8505"N	80°26'35.4453"W	2148.58	241.802	0.04	0.03	0.03	



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
6248.00	39.870	242.930	5543.04	4197.04	851.04	-1041.17	-1942.26	1733882.83	373164.45	39°31'14.5892"N	80°26'36.0629"W	2203.72	241.806	1.88	1.22	2.25	
6334.00	40.420	242.990	5608.78	4262.78	860.98	-1066.37	-1991.64	1733833.44	373139.24	39°31'14.3350"N	80°26'36.6897"W	2259.16	241.834	0.64	0.64	0.07	
6411.00	40.880	242.490	5667.20	4321.20	869.77	-1089.35	-2036.23	1733788.85	373116.26	39°31'14.1033"N	80°26'37.2556"W	2309.31	241.854	0.73	0.60	-0.65	
6498.00	40.490	241.710	5733.17	4387.17	879.09	-1115.88	-2086.35	1733738.73	373089.73	39°31'13.8358"N	80°26'37.8916"W	2366.02	241.860	0.74	-0.45	-0.90	
6584.00	39.840	239.830	5798.89	4452.89	886.94	-1142.95	-2134.76	1733690.33	373062.65	39°31'13.5631"N	80°26'38.5057"W	2421.43	241.835	1.60	-0.76	-2.19	
6670.00	39.750	239.590	5854.97	4518.97	893.72	-1170.73	-2182.29	1733642.80	373034.89	39°31'13.2836"N	80°26'39.1084"W	2476.48	241.788	0.21	-0.10	-0.28	
6756.00	40.430	239.770	5930.76	4584.76	900.51	-1198.68	-2230.09	1733594.99	373006.93	39°31'13.0025"N	80°26'39.7147"W	2531.83	241.742	0.80	0.79	0.21	
6843.00	40.020	239.390	5997.19	4651.19	907.30	-1227.13	-2278.54	1733546.54	372978.48	39°31'12.7163"N	80°26'40.3292"W	2587.97	241.695	0.55	-0.47	-0.44	
6929.00	38.920	239.540	6063.58	4717.58	913.79	-1254.91	-2325.63	1733499.46	372950.71	39°31'12.4369"N	80°26'40.9263"W	2642.60	241.649	1.28	-1.28	0.17	
7015.00	36.150	239.480	6131.63	4785.63	920.28	-1282.41	-2372.33	1733452.75	372923.21	39°31'12.1603"N	80°26'41.5185"W	2698.76	241.606	0.89	-0.89	-0.07	
7102.00	38.840	237.680	6198.94	4852.94	925.81	-1310.31	-2418.01	1733407.08	372895.30	39°31'11.8797"N	80°26'42.0976"W	2750.22	241.547	1.53	0.80	-2.09	
7189.00	39.420	237.540	6266.43	4920.43	930.57	-1339.73	-2464.37	1733360.72	372865.89	39°31'11.5842"N	80°26'42.6853"W	2804.99	241.470	0.67	0.67	-0.16	
7275.00	38.870	238.600	6333.12	4987.12	935.70	-1368.44	-2510.44	1733314.64	372837.17	39°31'11.2956"N	80°26'43.2693"W	2859.19	241.405	1.01	-0.64	1.23	
7361.00	38.830	240.860	6400.10	5054.10	942.36	-1395.63	-2557.03	1733268.06	372809.98	39°31'11.0220"N	80°26'43.8601"W	2913.10	241.374	1.65	-0.05	2.63	
7447.00	40.570	243.180	6466.27	5120.27	951.33	-1421.38	-2605.54	1733219.54	372784.24	39°31'10.7625"N	80°26'44.4757"W	2968.02	241.367	2.66	2.03	2.71	
7534.00	42.030	244.410	6531.63	5185.63	962.45	-1446.72	-2657.06	1733168.02	372758.90	39°31'10.5067"N	80°26'45.1297"W	3025.39	241.433	1.92	1.68	1.40	
7620.00	43.610	245.400	6594.71	5248.71	974.88	-1471.50	-2710.00	1733115.09	372734.11	39°31'10.2583"N	80°26'45.8019"W	3083.73	241.499	2.00	1.84	1.15	
7707.00	44.980	244.820	6656.98	5310.98	987.99	-1497.07	-2765.11	1733059.98	372708.54	39°31'9.9978"N	80°26'46.5017"W	3144.37	241.568	1.64	1.57	-0.67	
7793.00	45.360	244.250	6717.61	5371.61	990.56	-1523.30	-2820.17	1733004.91	372682.31	39°31'9.7329"N	80°26'47.2008"W	3205.28	241.625	0.65	0.44	-0.66	
7879.00	44.880	242.940	6778.31	5432.31	992.15	-1550.39	-2874.74	1732950.34	372655.22	39°31'9.4594"N	80°26'47.8935"W	3266.17	241.681	1.23	-0.58	-1.52	
7928.00	44.090	243.140	6813.27	5487.27	994.10	-1585.95	-2905.34	1732919.74	372639.68	39°31'9.3024"N	80°26'48.2818"W	3300.49	241.676	1.60	-1.57	0.41	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2">(7928' - 27640')
8023.00	43.690	233.410	6881.81	5535.81	994.81	-1600.49	-2961.24	1732863.85	372605.13	39°31'8.9553"N	80°26'48.9904"W	3366.08	241.610	7.11	-0.42	-10.24	
8118.00	43.600	222.570	6950.68	5604.68	995.52	-1644.23	-3009.81	1732815.28	372561.38	39°31'8.5179"N	80°26'49.8043"W	3429.64	241.353	7.87	-0.09	-11.41	
8213.00	42.490	217.640	7020.10	5674.10	995.48	-1693.78	-3051.58	1732773.51	372511.84	39°31'8.0239"N	80°26'50.1306"W	3490.13	240.968	3.73	-1.17	-5.19	
8308.00	41.280	225.370	7090.88	5744.88	993.20	-1741.23	-3093.50	1732731.55	372464.38	39°31'7.5505"N	80°26'50.6592"W	3548.88	240.626	5.58	-1.27	8.14	
8403.00	41.240	238.170	7162.38	5816.38	991.16	-1780.73	-3141.88	1732683.21	372424.88	39°31'7.1551"N	80°26'51.2712"W	3611.43	240.457	7.49	-0.04	11.37	
8497.00	41.220	250.620	7233.24	5887.24	990.66	-1808.32	-3196.96	1732628.13	372397.29	39°31'6.8766"N	80°26'51.9703"W	3672.95	240.506	10.12	-0.02	15.37	Curve KOP
8592.00	42.930	262.650	7303.87	5957.87	992.55	-1822.87	-3258.68	1732566.41	372382.74	39°31'6.7264"N	80°26'52.7559"W	3733.88	240.778	8.66	1.80	12.66	
8687.00	43.950	277.080	7373.02	6027.02	991.91	-1822.95	-3323.64	1732501.44	372382.67	39°31'6.7189"N	80°26'53.5849"W	3790.74	241.258	10.48	1.07	15.19	
8781.00	49.050	286.000	7437.77	6091.77	991.32	-1809.12	-3390.25	1732434.84	372396.50	39°31'6.8486"N	80°26'54.4366"W	3842.75	241.915	8.76	5.43	9.49	



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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 (°)	OLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (°/100ft)	Comments
8876.00	51.520	295.340	7498.55	6152.55	681.24	-1783.28	-3458.44	1732366.64	372422.34	39°31'7.0969"N	80°26'55.3103"W	3891.13	242.723	7.99	2.60	9.83	
8972.00	55.420	303.760	7555.75	6209.75	752.13	-1745.17	-3625.36	1732299.72	372460.44	39°31'7.4665"N	80°26'56.1693"W	3933.68	243.663	8.13	4.06	8.77	
9067.00	59.800	310.580	7606.67	6260.67	829.39	-1696.67	-3589.14	1732235.95	372508.94	39°31'7.9392"N	80°26'56.9897"W	3969.96	244.699	7.61	4.61	7.18	
9162.00	67.400	315.240	7648.89	6302.89	913.18	-1638.72	-3651.32	1732173.77	372566.90	39°31'8.5055"N	80°26'57.7909"W	4002.19	245.829	9.12	8.00	4.91	
9257.00	72.770	322.560	7681.28	6335.28	1002.21	-1571.43	-3709.69	1732115.20	372634.19	39°31'9.1644"N	80°26'58.5474"W	4025.98	247.044	9.19	5.65	7.71	
9342.00	77.629	328.024	7703.16	6357.16	1084.82	-1503.42	-3756.94	1732068.15	372702.20	39°31'9.8317"N	80°26'59.1569"W	4046.59	248.190	8.38	5.68	6.38	Marcellus
9352.00	78.170	328.610	7705.13	6359.13	1093.96	-1495.60	-3761.77	1732063.32	372710.02	39°31'9.9085"N	80°26'59.2196"W	4048.17	248.318	8.38	5.75	6.24	
9447.00	80.980	329.870	7722.32	6376.32	1186.76	-1415.32	-3809.64	1732015.54	372790.30	39°31'10.6969"N	80°26'59.8400"W	4063.96	249.619	3.23	2.96	1.33	
9542.00	86.060	335.160	7733.04	6387.04	1279.69	-1331.62	-3853.06	1731972.03	372873.99	39°31'11.5195"N	80°27'0.4066"W	4076.68	250.935	7.69	5.35	5.57	
9638.00	88.680	335.170	7737.47	6391.47	1379.30	-1244.60	-3833.33	1731931.70	372901.01	39°31'12.2754"N	80°27'0.3523"W	4067.43	252.272	2.70	2.70	0.01	
9732.00	88.500	334.820	7739.81	6393.81	1465.09	-1159.44	-3933.05	1731892.03	373046.17	39°31'13.2129"N	80°27'1.4506"W	4100.39	253.575	0.40	-0.16	-0.37	
9827.00	89.700	335.630	7741.30	6395.30	1557.80	-1073.20	-3972.86	1731852.23	373132.42	39°31'14.0611"N	80°27'1.9702"W	4115.26	254.883	1.52	1.26	0.85	Landing Point
9922.00	89.300	335.190	7742.13	6396.13	1650.44	-986.82	-4012.39	1731812.70	373218.60	39°31'14.9107"N	80°27'2.4863"W	4131.96	256.183	0.63	-0.42	-0.46	
10018.00	89.460	335.930	7743.17	6397.17	1744.01	-899.42	-4052.10	1731772.98	373306.19	39°31'15.7703"N	80°27'3.0049"W	4150.72	257.485	0.79	0.17	0.77	
10113.00	89.610	335.800	7743.94	6397.94	1836.48	-812.73	-4090.95	1731734.14	373392.88	39°31'16.6230"N	80°27'3.5123"W	4170.90	258.784	0.21	0.18	-0.14	
10208.00	89.490	334.230	7744.69	6398.69	1929.27	-726.63	-4131.07	1731694.02	373478.99	39°31'17.4698"N	80°27'4.0359"W	4194.49	260.024	1.66	-0.13	-1.65	
10303.00	89.430	333.840	7745.58	6399.58	2022.39	-641.22	-4172.66	1731652.43	373564.39	39°31'18.3096"N	80°27'4.5782"W	4221.64	261.264	0.42	-0.06	-0.41	
10398.00	89.800	334.120	7746.22	6400.22	2115.54	-555.85	-4214.34	1731610.75	373649.76	39°31'19.1489"N	80°27'5.1215"W	4250.64	262.486	0.49	0.39	0.29	
10493.00	89.300	334.160	7746.97	6400.97	2208.63	-470.37	-4255.77	1731569.32	373735.24	39°31'19.9895"N	80°27'5.6618"W	4281.69	263.693	0.53	-0.53	0.04	
10588.00	89.830	333.890	7747.69	6401.69	2301.76	-384.97	-4297.99	1731527.70	373820.84	39°31'20.8291"N	80°27'6.2044"W	4314.59	264.881	0.63	0.56	-0.29	
10683.00	90.100	334.560	7747.75	6401.75	2394.82	-299.42	-4338.70	1731486.39	373906.19	39°31'21.6703"N	80°27'6.7432"W	4349.02	266.052	0.77	0.28	0.72	
10779.00	89.330	332.720	7748.22	6402.22	2489.05	-213.41	-4381.32	1731443.76	373992.20	39°31'22.5159"N	80°27'7.2987"W	4386.52	267.211	2.08	-0.80	-1.92	
10874.00	90.070	334.990	7748.72	6402.72	2582.23	-128.14	-4423.18	1731401.91	374077.47	39°31'23.3543"N	80°27'7.8444"W	4425.04	268.341	2.51	0.78	2.39	
10969.00	89.920	335.080	7748.73	6402.73	2675.02	-42.02	-4463.28	1731361.81	374163.59	39°31'24.2013"N	80°27'8.3677"W	4463.48	269.461	0.18	-0.16	0.09	
11064.00	89.540	332.960	7749.09	6403.09	2768.14	42.32	-4504.89	1731320.20	374248.99	39°31'25.0409"N	80°27'8.9103"W	4505.10	270.552	2.25	-0.29	-2.23	
11159.00	89.890	334.050	7749.48	6403.48	2861.44	128.40	-4547.27	1731277.82	374334.01	39°31'25.8787"N	80°27'9.4626"W	4549.08	271.617	1.18	0.26	1.16	
11254.00	89.820	334.540	7749.72	6403.72	2954.48	214.00	-4588.48	1731236.61	374419.61	39°31'26.7184"N	80°27'10.0000"W	4593.46	272.670	0.52	-0.07	0.52	
11349.00	89.850	334.770	7750.00	6404.00	3047.40	299.85	-4629.14	1731195.95	374505.46	39°31'27.5627"N	80°27'10.5306"W	4638.84	273.706	0.24	0.03	0.24	
11445.00	89.880	334.100	7750.22	6404.22	3141.37	386.45	-4670.57	1731154.52	374592.08	39°31'28.4142"N	80°27'11.0710"W	4686.53	274.730	0.70	0.03	-0.70	
11539.00	89.910	334.190	7750.40	6404.40	3233.46	471.04	-4711.59	1731113.53	374676.85	39°31'29.2460"N	80°27'11.6055"W	4735.05	275.709	0.10	0.03	0.10	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
11634.00	90.040	334.140	7750.44	6404.44	3326.56	556.55	-4752.96	1731072.13	374762.16	39°31'30.0867"N	80°27'12.1454"W	4785.44	276.679	0.15	0.14	-0.05	
11729.00	90.160	333.680	7750.27	6404.27	3419.73	641.87	-4794.73	1731030.36	374847.48	39°31'30.9256"N	80°27'12.6900"W	4837.51	277.625	0.49	0.13	-0.47	
11825.00	90.100	333.800	7750.05	6404.05	3513.93	727.97	-4837.20	1730987.89	374933.58	39°31'31.7721"N	80°27'13.2436"W	4891.67	278.558	0.13	-0.06	0.11	
11920.00	89.980	334.270	7749.99	6403.99	3607.06	813.38	-4878.79	1730946.30	375018.99	39°31'32.6118"N	80°27'13.7860"W	4946.13	279.465	0.51	-0.13	0.49	
12015.00	90.250	335.100	7749.80	6403.80	3699.97	899.25	-4919.41	1730905.52	375104.86	39°31'33.4563"N	80°27'14.3160"W	5000.93	280.359	0.92	0.28	0.87	
12110.00	90.440	334.890	7749.22	6403.22	3792.76	985.35	-4959.57	1730865.52	375190.96	39°31'34.3030"N	80°27'14.8401"W	5056.51	281.237	0.30	0.20	-0.22	
12205.00	89.330	333.740	7749.42	6403.42	3885.80	1070.96	-5000.74	1730824.35	375276.57	39°31'35.1448"N	80°27'15.3772"W	5114.14	282.088	1.68	-1.17	-1.21	
12300.00	90.160	335.280	7749.84	6403.84	3978.76	1156.71	-5041.63	1730783.47	375362.31	39°31'35.9880"N	80°27'15.9105"W	5172.62	282.922	1.84	0.87	1.62	
12395.00	90.250	335.510	7749.50	6403.50	4071.41	1243.08	-5081.18	1730743.91	375448.69	39°31'36.8375"N	80°27'16.4270"W	5231.03	283.747	0.26	0.09	0.24	
12490.00	90.280	336.480	7749.06	6403.06	4153.85	1329.86	-5119.84	1730705.25	375535.46	39°31'37.6910"N	80°27'16.9322"W	5288.73	284.561	1.00	0.03	1.50	
12585.00	90.380	336.130	7748.51	6402.51	4256.16	1416.84	-5158.03	1730667.06	375622.45	39°31'38.5467"N	80°27'17.4314"W	5349.09	285.360	0.36	0.11	-0.35	
12680.00	90.620	336.450	7747.68	6401.68	4348.47	1503.82	-5196.23	1730628.86	375709.42	39°31'39.4023"N	80°27'17.9306"W	5409.46	286.141	0.42	0.25	0.34	
12776.00	89.700	336.240	7747.41	6401.41	4441.74	1591.75	-5234.75	1730590.34	375797.36	39°31'40.2674"N	80°27'18.4341"W	5471.40	286.913	0.98	-0.96	-0.22	
12871.00	90.340	337.050	7747.38	6401.38	4533.91	1678.96	-5272.41	1730552.68	375884.57	39°31'41.1254"N	80°27'18.9266"W	5533.28	287.664	1.09	0.67	0.65	
12966.00	89.910	336.280	7747.18	6401.18	4625.11	1765.28	-5309.63	1730515.46	375970.68	39°31'41.9745"N	80°27'19.4134"W	5595.39	288.390	0.93	-0.46	-0.81	
13060.00	90.070	335.120	7747.19	6401.19	4717.65	1851.86	-5348.72	1730476.37	376057.47	39°31'42.8262"N	80°27'19.9239"W	5660.23	289.097	1.24	0.17	-1.23	
13155.00	89.850	335.490	7747.26	6401.26	4810.34	1938.17	-5388.41	1730436.68	376143.78	39°31'43.6750"N	80°27'20.4422"W	5726.38	289.783	0.45	-0.23	0.39	
13250.00	90.130	335.370	7747.28	6401.28	4902.98	2024.57	-5427.91	1730397.18	376230.18	39°31'44.5248"N	80°27'20.9580"W	5793.20	290.455	0.32	0.29	-0.13	
13345.00	89.910	335.810	7747.24	6401.24	4995.56	2111.08	-5467.17	1730357.92	376316.69	39°31'45.3756"N	80°27'21.4708"W	5860.60	291.113	0.52	-0.23	0.46	
13440.00	89.790	335.120	7747.49	6401.49	5088.19	2197.50	-5506.62	1730318.47	376403.11	39°31'46.2256"N	80°27'21.9860"W	5928.90	291.755	0.74	-0.13	-0.73	
13535.00	90.040	335.350	7747.63	6401.63	5180.91	2283.76	-5546.41	1730278.68	376489.37	39°31'47.0740"N	80°27'22.5056"W	5998.19	292.380	0.36	0.26	0.24	
13630.00	89.670	335.130	7747.87	6401.87	5273.62	2370.03	-5586.20	1730238.89	376575.64	39°31'47.9224"N	80°27'23.0251"W	6068.17	292.990	0.45	-0.39	-0.23	
13725.00	90.190	336.180	7747.99	6401.99	5366.17	2456.58	-5625.36	1730199.73	376662.19	39°31'48.7737"N	80°27'23.5366"W	6138.36	293.591	1.23	0.55	1.11	
13820.00	89.790	335.430	7748.01	6402.01	5458.68	2543.24	-5664.30	1730160.79	376748.84	39°31'49.6260"N	80°27'24.0453"W	6209.05	294.180	0.89	-0.42	-0.79	
13915.00	89.240	334.850	7748.81	6402.81	5551.42	2629.43	-5704.23	1730120.86	376835.03	39°31'50.4737"N	80°27'24.5667"W	6281.10	294.748	0.64	-0.58	-0.61	
14010.00	90.010	335.520	7749.43	6403.43	5644.15	2715.65	-5744.10	1730080.99	376921.26	39°31'51.3217"N	80°27'25.0872"W	6353.70	295.303	1.07	0.81	0.71	
14105.00	89.790	335.140	7749.60	6403.60	5736.83	2801.98	-5783.76	1730041.34	377007.59	39°31'52.1707"N	80°27'25.6050"W	6426.74	295.848	0.46	-0.23	-0.40	
14200.00	90.010	334.640	7749.76	6403.76	5829.67	2888.00	-5824.07	1730001.02	377093.61	39°31'53.0167"N	80°27'26.1312"W	6500.80	296.376	0.58	0.23	-0.53	
14295.00	89.850	335.370	7749.88	6403.88	5922.46	2974.11	-5864.21	1729960.88	377179.71	39°31'53.8634"N	80°27'26.6552"W	6575.28	296.892	0.79	-0.17	0.77	
14390.00	90.100	335.530	7749.92	6403.92	6015.10	3060.52	-5903.68	1729921.41	377266.12	39°31'54.7133"N	80°27'27.1797"W	6649.83	297.403	0.31	0.26	0.17	



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
14484.00	89.820	335.150	7749.99	6403.99	6106.80	3145.95	-5942.90	1729882.19	377351.55	39°31'55.5635"N	80°27'27.6829"W	6724.21	297.895	0.50	-0.30	-0.40	
14579.00	89.420	335.530	7750.62	6404.62	6199.47	3232.28	-5982.54	1729842.55	377437.88	39°31'56.4026"N	80°27'28.2005"W	6799.88	298.382	0.58	-0.42	-0.40	
14674.00	89.850	335.250	7751.22	6405.22	6292.12	3318.65	-6022.10	1729802.99	377524.25	39°31'57.2520"N	80°27'28.7172"W	6875.98	298.858	0.54	0.45	-0.29	
14769.00	89.760	335.490	7751.54	6405.54	6384.79	3405.00	-6061.69	1729763.40	377610.61	39°31'58.1013"N	80°27'29.2342"W	6952.56	299.324	0.27	-0.09	0.25	
14863.00	90.180	335.770	7751.61	6405.61	6476.38	3490.63	-6100.48	1729724.62	377696.23	39°31'58.9435"N	80°27'29.7409"W	7028.53	299.778	0.52	0.43	0.30	Deepest Point of Well
14959.00	90.310	335.180	7751.22	6405.22	6569.98	3577.97	-6140.33	1729684.77	377783.57	39°31'59.8024"N	80°27'30.2614"W	7106.72	300.229	0.63	0.16	-0.61	
15054.00	90.220	335.530	7750.78	6404.78	6662.85	3664.31	-6179.94	1729645.15	377869.91	39°32'0.6516"N	80°27'30.7787"W	7184.62	300.665	0.38	-0.09	0.37	
15149.00	90.010	335.390	7750.59	6404.59	6755.28	3750.73	-6219.40	1729605.70	377956.33	39°32'1.5016"N	80°27'31.2941"W	7262.84	301.093	0.27	-0.22	-0.15	
15243.00	90.310	335.670	7750.32	6404.32	6846.91	3836.29	-6259.33	1729566.76	378041.89	39°32'2.3431"N	80°27'31.8027"W	7340.56	301.508	0.44	0.32	0.30	
15338.00	89.910	335.250	7750.14	6404.14	6939.55	3922.70	-6297.73	1729527.31	378126.31	39°32'3.1930"N	80°27'32.3160"W	7419.55	301.918	0.61	-0.42	-0.44	
15434.00	90.010	335.230	7750.21	6404.21	7033.23	4009.88	-6337.99	1729487.10	378215.48	39°32'4.0503"N	80°27'32.8431"W	7499.95	302.320	0.11	0.10	-0.02	
15529.00	90.440	335.780	7749.84	6403.84	7125.85	4096.33	-6377.38	1729447.71	378301.93	39°32'4.9006"N	80°27'33.3575"W	7579.64	302.713	0.73	0.45	0.58	
15624.00	90.310	335.760	7749.21	6403.21	7218.36	4182.96	-6416.37	1729408.72	378388.56	39°32'5.7526"N	80°27'33.8670"W	7659.43	303.101	0.14	-0.14	-0.02	
15719.00	90.310	335.840	7748.70	6402.70	7310.87	4269.61	-6455.31	1729369.78	378475.21	39°32'6.6049"N	80°27'34.3758"W	7739.55	303.481	0.08	0.00	0.08	
15814.00	90.040	335.270	7748.41	6402.41	7403.47	4356.07	-6494.87	1729330.42	378561.67	39°32'7.4553"N	80°27'34.8899"W	7820.23	303.850	0.72	-0.28	-0.66	
15909.00	90.190	335.140	7748.22	6402.22	7496.21	4442.29	-6534.55	1729290.54	378647.89	39°32'8.3032"N	80°27'35.4107"W	7901.54	304.208	0.17	0.16	-0.07	
16004.00	90.620	335.450	7747.55	6401.55	7588.90	4528.58	-6574.26	1729250.84	378734.19	39°32'9.1520"N	80°27'35.9293"W	7983.05	304.581	0.58	0.45	0.33	
16099.00	90.500	335.030	7746.62	6400.62	7681.61	4614.85	-6614.04	1729211.05	378820.46	39°32'10.0004"N	80°27'36.4488"W	8064.89	304.905	0.46	-0.13	-0.44	
16194.00	90.560	335.030	7745.74	6399.74	7774.39	4700.97	-6654.15	1729170.95	378906.57	39°32'10.8472"N	80°27'36.9724"W	8147.20	305.240	0.06	0.06	0.00	
16289.00	90.680	334.600	7744.72	6398.72	7866.27	4786.03	-6694.14	1729130.95	378991.83	39°32'11.6837"N	80°27'37.4945"W	8229.07	305.563	0.47	0.13	-0.46	
16384.00	90.370	334.590	7743.84	6397.84	7960.18	4872.74	-6735.33	1729089.77	379078.34	39°32'12.5363"N	80°27'38.0320"W	8313.14	305.884	0.32	-0.32	-0.01	
16479.00	90.340	334.430	7743.25	6397.25	8053.15	4958.49	-6776.21	1729048.88	379164.09	39°32'13.3795"N	80°27'38.5655"W	8396.65	306.195	0.17	-0.03	-0.17	
16573.00	90.130	334.270	7742.87	6396.87	8145.19	5043.23	-6816.90	1729008.19	379248.83	39°32'14.2127"N	80°27'39.0964"W	8479.64	306.495	0.28	-0.22	-0.17	
16668.00	90.190	334.870	7742.60	6396.60	8239.12	5129.93	-6858.12	1728966.97	379335.53	39°32'15.0652"N	80°27'39.6344"W	8564.46	306.797	0.63	0.06	-0.62	
16764.00	90.250	334.740	7742.23	6396.24	8331.98	5215.89	-6898.56	1728926.53	379421.49	39°32'15.9105"N	80°27'40.1823"W	8648.45	307.092	0.15	0.06	-0.14	
16859.00	90.160	334.200	7741.90	6395.90	8424.97	5301.61	-6939.51	1728885.59	379507.21	39°32'16.7534"N	80°27'40.6966"W	8732.92	307.379	0.58	-0.09	-0.57	
16954.00	90.040	334.020	7741.73	6395.73	8518.07	5387.08	-6980.99	1728844.11	379592.68	39°32'17.5937"N	80°27'41.2378"W	8817.87	307.657	0.23	-0.13	-0.19	
17049.00	90.160	334.590	7741.58	6395.58	8611.11	5472.68	-7022.18	1728802.92	379678.28	39°32'18.4354"N	80°27'41.7752"W	8902.88	307.931	0.61	0.13	0.60	
17144.00	90.190	334.200	7741.27	6395.27	8704.11	5558.35	-7063.23	1728761.86	379763.95	39°32'19.2777"N	80°27'42.3109"W	8988.02	308.201	0.41	0.03	-0.41	
17239.00	90.190	334.300	7740.96	6394.96	8797.17	5643.92	-7104.51	1728720.59	379849.52	39°32'20.1191"N	80°27'42.8494"W	9073.47	308.484	0.11	0.00	0.11	



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
17334.00	90.340	334.930	7740.52	6394.52	8890.10	5729.75	-7145.23	1728679.86	379935.34	39°32'20.9630"N	80°27'43.3810"W	9158.84	308.728	0.68	0.16	0.86	
17429.00	90.070	334.250	7740.18	6394.18	8883.04	5815.55	-7185.99	1728639.10	380021.15	39°32'21.8067"N	80°27'43.9130"W	9244.41	308.983	0.77	-0.28	-0.72	
17523.00	90.250	334.270	7739.92	6393.92	9075.11	5900.23	-7226.82	1728598.28	380105.82	39°32'22.6393"N	80°27'44.4456"W	9329.50	309.229	0.19	0.19	0.02	
17618.00	90.130	334.410	7739.60	6393.60	9168.14	5965.86	-7267.96	1728557.14	380191.45	39°32'23.4812"N	80°27'44.9824"W	9415.61	309.475	0.19	-0.13	0.15	
17713.00	90.220	334.310	7739.31	6393.31	9261.16	6071.50	-7308.06	1728516.03	380277.10	39°32'24.3233"N	80°27'45.5188"W	9501.87	309.716	0.14	0.09	-0.11	
17808.00	90.190	334.430	7738.97	6392.97	9354.17	6157.15	-7350.16	1728474.94	380362.75	39°32'25.1655"N	80°27'46.0551"W	9588.29	309.953	0.13	-0.03	0.13	
17902.00	90.070	334.450	7738.76	6392.76	9446.19	6241.95	-7390.71	1728434.38	380447.55	39°32'25.9993"N	80°27'46.5843"W	9673.91	310.183	0.13	-0.13	0.02	
17996.00	90.250	334.410	7738.50	6392.50	9538.20	6326.75	-7431.28	1728393.81	380532.34	39°32'26.8330"N	80°27'47.1138"W	9759.70	310.410	0.20	0.19	-0.04	
18091.00	90.220	334.570	7738.11	6392.11	9631.18	6412.49	-7472.20	1728352.90	380618.08	39°32'27.6761"N	80°27'47.6478"W	9846.51	310.636	0.17	-0.03	0.17	
18186.00	90.530	334.360	7737.49	6391.49	9721.16	6498.20	-7512.16	1728311.95	380703.60	39°32'28.5189"N	80°27'48.1622"W	9933.48	310.867	0.39	0.33	-0.22	
18281.00	90.500	334.230	7736.63	6390.63	9817.20	6583.80	-7554.35	1728270.74	380789.40	39°32'29.3605"N	80°27'48.7198"W	10020.71	311.073	0.14	-0.03	-0.14	
18376.00	90.440	334.200	7735.85	6389.85	9910.28	6669.34	-7595.67	1728229.42	380874.93	39°32'30.2015"N	80°27'49.2590"W	10108.13	311.285	0.07	-0.06	-0.03	
18470.00	90.590	334.530	7735.01	6389.01	10002.30	6754.08	-7636.34	1728188.76	380959.68	39°32'31.0348"N	80°27'49.7897"W	10194.67	311.492	0.39	0.16	0.35	
18565.00	90.190	334.660	7734.36	6388.36	10095.23	6839.89	-7677.10	1728148.00	381045.49	39°32'31.8786"N	80°27'50.3217"W	10282.12	311.699	0.44	-0.42	0.14	
18660.00	90.160	334.480	7734.07	6388.07	10188.18	6925.89	-7717.89	1728107.21	381131.28	39°32'32.7222"N	80°27'50.8541"W	10369.71	311.903	0.19	-0.03	-0.19	
18755.00	90.310	334.340	7733.68	6387.68	10281.18	7011.37	-7758.92	1728066.17	381216.96	39°32'33.5646"N	80°27'51.3896"W	10457.54	312.103	0.22	0.16	-0.15	
18849.00	90.160	334.420	7733.30	6387.30	10373.21	7096.13	-7799.57	1728025.53	381301.72	39°32'34.3980"N	80°27'51.9201"W	10544.58	312.296	0.18	-0.16	0.08	
18944.00	90.190	334.270	7733.01	6387.01	10466.24	7181.76	-7840.70	1727984.40	381387.35	39°32'35.2400"N	80°27'52.4568"W	10632.69	312.488	0.16	0.03	-0.16	
19038.00	89.880	334.670	7732.95	6386.95	10558.24	7266.58	-7881.21	1727943.89	381472.18	39°32'36.0740"N	80°27'52.9856"W	10719.92	312.676	0.54	-0.33	0.43	
19132.00	90.340	334.420	7732.77	6386.77	10650.22	7351.46	-7921.61	1727903.43	381557.05	39°32'36.9085"N	80°27'53.5129"W	10807.21	312.862	0.58	0.43	-0.27	
19227.00	90.310	334.300	7732.23	6386.23	10743.24	7437.10	-7962.72	1727862.38	381642.89	39°32'37.7506"N	80°27'54.0494"W	10895.66	313.045	0.13	-0.03	-0.13	
19322.00	90.160	334.510	7731.84	6385.84	10836.24	7522.78	-8003.76	1727821.34	381728.37	39°32'38.5930"N	80°27'54.5850"W	10984.18	313.226	0.27	-0.16	0.22	
19417.00	89.760	332.080	7731.91	6385.91	10929.80	7607.64	-8046.45	1727778.65	381813.23	39°32'39.4272"N	80°27'55.1416"W	11073.46	313.394	2.59	-0.42	-2.56	
19512.00	89.640	334.170	7732.40	6386.40	11023.00	7692.37	-8089.39	1727735.71	381897.96	39°32'40.2601"N	80°27'55.7013"W	11162.92	313.559	2.20	-0.13	2.20	
19606.00	90.160	334.490	7732.57	6386.57	11115.06	7777.07	-8130.15	1727694.94	381982.66	39°32'41.0829"N	80°27'56.2333"W	11250.88	313.728	0.82	0.55	0.28	
19701.00	90.000	334.180	7732.43	6386.43	11208.10	7862.68	-8171.34	1727653.75	382068.27	39°32'41.9346"N	80°27'56.7708"W	11339.86	313.897	0.31	-0.17	-0.26	
19795.00	90.070	335.170	7732.38	6386.38	11300.03	7947.64	-8211.55	1727613.55	382153.24	39°32'42.7700"N	80°27'57.2958"W	11427.80	314.064	1.06	0.07	1.05	
19890.00	89.850	335.410	7732.44	6386.44	11392.73	8033.94	-8251.26	1727573.83	382239.54	39°32'43.6187"N	80°27'57.8145"W	11516.40	314.235	0.34	-0.23	0.25	
19985.00	90.000	335.490	7732.57	6386.57	11485.36	8120.35	-8290.73	1727534.36	382325.95	39°32'44.4686"N	80°27'58.3302"W	11605.02	314.405	0.18	0.16	0.08	
20080.00	90.190	335.670	7732.41	6386.41	11577.95	8206.86	-8330.01	1727495.09	382412.45	39°32'45.3193"N	80°27'58.8435"W	11693.85	314.573	0.28	0.20	0.19	



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
20175.00	90.100	335.540	7732.17	6386.17	11670.53	8293.37	-8369.25	1727455.85	382498.97	39°32'46.1702"N	80°27'59.3562"W	11782.37	314.739	0.17	-0.09	-0.14	
20270.00	90.400	335.130	7731.75	6385.75	11763.20	8379.70	-8408.89	1727416.21	382585.30	39°32'47.0192"N	80°27'59.8741"W	11871.35	314.900	0.53	0.32	-0.43	
20364.00	90.650	336.810	7730.89	6384.89	11854.68	8465.55	-8447.17	1727377.93	382671.14	39°32'47.8836"N	80°28'0.3745"W	11959.10	315.062	1.81	0.27	-1.79	
20459.00	90.470	335.620	7729.96	6383.96	11947.00	8552.48	-8485.48	1727339.62	382758.07	39°32'48.7187"N	80°28'0.8755"W	12047.75	315.225	1.27	-0.19	-1.25	
20554.00	90.280	335.460	7729.34	6383.34	12039.60	8638.95	-8524.81	1727300.28	382846.54	39°32'49.5691"N	80°28'1.3895"W	12136.88	315.381	0.26	-0.20	-0.17	
20649.00	90.340	335.450	7728.83	6382.83	12132.24	8725.36	-8564.28	1727260.82	382930.96	39°32'50.4190"N	80°28'1.9052"W	12226.15	315.534	0.08	0.06	-0.01	
20744.00	90.400	335.480	7728.22	6382.22	12224.86	8811.78	-8603.72	1727221.37	383017.38	39°32'51.2689"N	80°28'2.4206"W	12315.50	315.684	0.07	0.06	0.03	
20839.00	90.590	335.310	7727.40	6381.40	12317.52	8898.15	-8643.28	1727181.82	383103.75	39°32'52.1183"N	80°28'2.9374"W	12404.97	315.832	0.27	0.20	-0.18	
20934.00	90.440	335.340	7726.54	6380.54	12410.19	8984.48	-8682.93	1727142.16	383190.07	39°32'52.9672"N	80°28'3.4555"W	12494.56	315.978	0.16	-0.16	0.03	
21029.00	90.500	335.230	7725.76	6379.76	12502.89	9070.77	-8722.85	1727102.44	383276.36	39°32'53.8153"N	80°28'3.9744"W	12584.26	316.121	0.13	0.06	-0.12	
21124.00	90.560	335.500	7724.88	6378.88	12595.55	9157.12	-8762.25	1727062.85	383362.71	39°32'54.6651"N	80°28'4.4918"W	12673.98	316.262	0.29	0.06	0.28	
21218.00	90.620	335.490	7723.92	6377.92	12687.19	9242.65	-8801.24	1727023.86	383448.24	39°32'55.5062"N	80°28'5.0012"W	12762.77	316.401	0.08	0.06	-0.01	
21314.00	90.400	335.390	7723.06	6377.06	12780.80	9329.96	-8841.14	1726983.96	383535.55	39°32'56.3649"N	80°28'5.5226"W	12853.55	316.541	0.25	-0.23	-0.10	
21409.00	90.620	335.490	7722.22	6376.22	12873.43	9416.36	-8880.62	1726944.48	383621.95	39°32'57.2146"N	80°28'6.0386"W	12943.47	316.677	0.25	0.23	0.11	
21504.00	89.820	334.480	7721.85	6375.85	12966.24	9502.44	-8920.81	1726904.29	383708.03	39°32'58.0611"N	80°28'6.5834"W	13033.69	316.808	1.37	-0.84	-1.08	
21599.00	89.670	333.980	7722.27	6376.27	13059.30	9587.98	-8962.12	1726862.97	383793.57	39°32'58.9021"N	80°28'7.1026"W	13124.37	316.932	0.53	-0.16	-0.51	
21694.00	90.040	334.870	7722.51	6376.51	13152.30	9673.67	-9003.13	1726821.96	383879.27	39°32'59.7447"N	80°28'7.6379"W	13215.01	317.056	1.01	0.39	0.84	
21789.00	89.880	335.260	7722.58	6376.58	13245.07	9759.82	-9043.18	1726781.91	383965.41	39°33'0.5918"N	80°28'8.1611"W	13305.38	317.183	0.44	-0.17	0.41	
21883.00	89.780	335.370	7722.88	6376.88	13336.78	9845.23	-9082.44	1726742.66	384050.82	39°33'1.4317"N	80°28'8.6740"W	13394.75	317.308	0.17	-0.13	0.12	
21978.00	89.480	333.990	7723.51	6377.51	13429.69	9931.10	-9123.07	1726702.03	384136.89	39°33'2.2761"N	80°28'9.2046"W	13485.44	317.428	1.40	-0.29	-1.45	
22073.00	89.390	335.160	7724.44	6378.44	13522.63	10016.89	-9163.85	1726661.25	384222.48	39°33'3.1196"N	80°28'9.7369"W	13576.24	317.546	1.24	-0.09	1.23	
22168.00	89.360	335.350	7725.48	6379.48	13615.33	10103.16	-9203.62	1726621.48	384308.75	39°33'3.9680"N	80°28'10.2564"W	13666.76	317.668	0.20	-0.03	0.20	
22263.00	89.270	335.310	7726.61	6380.61	13708.00	10189.49	-9243.26	1726581.83	384395.08	39°33'4.8170"N	80°28'10.7745"W	13757.31	317.788	0.10	-0.09	-0.04	
22358.00	89.420	335.330	7727.70	6381.70	13800.68	10275.80	-9282.93	1726542.17	384481.39	39°33'5.6658"N	80°28'11.2928"W	13847.92	317.906	0.16	0.16	0.02	
22452.00	89.480	335.550	7728.60	6382.60	13892.34	10361.29	-9322.00	1726503.10	384566.88	39°33'6.5066"N	80°28'11.8033"W	13937.58	318.022	0.24	0.06	0.23	
22547.00	90.000	335.340	7729.03	6383.03	13984.98	10447.70	-9361.48	1726463.62	384653.29	39°33'7.3564"N	80°28'12.3192"W	14028.25	318.139	0.59	0.55	-0.22	
22642.00	90.160	335.510	7728.90	6382.90	14077.62	10534.10	-9400.99	1726424.11	384739.69	39°33'8.2060"N	80°28'12.8355"W	14118.98	318.253	0.25	0.17	0.18	
22737.00	90.220	335.570	7728.59	6382.59	14170.22	10620.57	-9440.32	1726384.78	384826.16	39°33'9.0564"N	80°28'13.3496"W	14209.72	318.367	0.09	0.06	0.06	
22832.00	90.440	335.400	7728.04	6382.04	14262.84	10707.00	-9478.74	1726345.36	384912.59	39°33'9.9065"N	80°28'13.8647"W	14300.54	318.479	0.29	0.23	-0.18	
22927.00	90.440	335.260	7727.31	6381.31	14355.52	10793.33	-9519.39	1726305.71	384998.92	39°33'10.7554"N	80°28'14.3828"W	14391.48	318.589	0.15	0.00	-0.15	



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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
23022.00	89.760	335.370	7727.14	6381.14	14448.20	10879.65	-9559.06	1726266.04	385085.24	39°33'11.6043"N	80°28'14.9012"W	14482.49	318.697	0.73	-0.72	0.12	
23117.00	89.910	335.430	7727.42	6381.42	14540.86	10966.03	-9598.61	1726226.49	385171.61	39°33'12.4538"N	80°28'15.4180"W	14573.50	318.804	0.17	0.16	0.08	
23212.00	89.970	336.030	7727.52	6381.52	14633.39	11052.63	-9637.66	1726187.44	385258.22	39°33'13.3055"N	80°28'15.9285"W	14664.42	318.912	0.63	0.06	0.63	
23307.00	90.220	335.070	7727.36	6381.36	14725.99	11139.11	-9676.98	1726148.12	385344.70	39°33'14.1560"N	80°28'16.4424"W	14755.48	319.018	1.04	0.26	-1.01	
23402.00	90.400	335.580	7726.84	6380.84	14818.67	11225.43	-9716.64	1726108.46	385431.02	39°33'15.0049"N	80°28'16.9606"W	14846.66	319.121	0.57	0.19	0.54	
23498.00	90.100	335.220	7726.43	6380.43	14912.29	11312.72	-9756.60	1726068.50	385518.31	39°33'15.8633"N	80°28'17.4829"W	14938.84	319.224	0.49	-0.31	-0.37	
23592.00	90.130	335.250	7726.24	6380.24	15004.03	11398.07	-9795.98	1726029.12	385603.66	39°33'16.7027"N	80°28'17.9974"W	15029.21	319.323	0.05	0.03	0.03	
23687.00	90.220	335.490	7725.95	6379.95	15096.70	11484.43	-9835.57	1725989.53	385690.02	39°33'17.5520"N	80°28'18.5148"W	15120.53	319.422	0.27	0.09	0.25	
23782.00	90.190	335.410	7725.61	6379.61	15189.33	11570.84	-9875.04	1725950.06	385776.43	39°33'18.4018"N	80°28'19.0306"W	15211.86	319.521	0.09	-0.03	-0.08	
23877.00	90.100	335.380	7725.37	6379.37	15281.99	11657.21	-9914.59	1725910.51	385862.80	39°33'19.2512"N	80°28'19.5478"W	15303.26	319.618	0.10	-0.09	-0.09	
23972.00	90.070	335.640	7725.23	6379.23	15374.60	11743.67	-9953.97	1725871.13	385949.25	39°33'20.1014"N	80°28'20.0622"W	15394.65	319.715	0.28	-0.03	0.27	
24067.00	90.470	335.140	7724.78	6378.78	15467.26	11830.04	-9993.53	1725831.57	386035.62	39°33'20.9508"N	80°28'20.5792"W	15486.14	319.810	0.87	0.42	-0.53	
24162.00	90.650	335.480	7723.85	6377.85	15559.94	11916.35	-10033.22	1725791.89	386121.93	39°33'21.7996"N	80°28'21.0978"W	15577.70	319.904	0.40	0.19	0.36	
24257.00	90.650	335.140	7722.77	6376.77	15652.82	12002.66	-10072.89	1725752.21	386208.24	39°33'22.6484"N	80°28'21.6163"W	15669.30	319.996	0.36	0.00	-0.36	
24352.00	90.560	335.320	7721.77	6375.77	15745.33	12088.91	-10112.70	1725712.40	386294.50	39°33'23.4966"N	80°28'22.1364"W	15760.88	320.087	0.21	-0.09	0.19	
24447.00	90.680	335.290	7720.74	6374.74	15838.01	12175.22	-10152.38	1725672.72	386380.80	39°33'24.3453"N	80°28'22.6550"W	15852.66	320.177	0.13	0.19	-0.03	
24542.00	89.630	335.390	7720.48	6374.48	15930.69	12261.55	-10192.02	1725633.08	386467.14	39°33'25.1944"N	80°28'23.1730"W	15944.37	320.266	1.11	-1.11	0.11	
24637.00	90.990	335.280	7719.97	6373.97	16023.36	12347.89	-10231.66	1725593.44	386553.47	39°33'26.0433"N	80°28'23.6910"W	16036.12	320.354	1.44	1.43	-0.12	
24731.00	90.680	335.340	7718.60	6372.60	16115.06	12433.28	-10270.92	1725554.18	386639.85	39°33'26.8831"N	80°28'24.2041"W	16126.94	320.440	0.34	-0.33	0.06	
24826.00	90.710	335.590	7717.45	6371.45	16207.68	12519.70	-10310.37	1725514.73	386725.28	39°33'27.7330"N	80°28'24.7197"W	16218.71	320.527	0.27	0.03	0.26	
24921.00	90.680	335.390	7716.30	6370.30	16300.30	12606.13	-10349.78	1725475.32	386811.71	39°33'28.5830"N	80°28'25.2348"W	16310.50	320.614	0.21	-0.03	-0.21	
25016.00	90.560	335.340	7715.27	6369.27	16392.96	12692.48	-10389.37	1725435.73	386898.06	39°33'29.4321"N	80°28'25.7523"W	16402.38	320.698	0.14	-0.13	-0.05	
25111.00	90.650	335.360	7714.26	6368.26	16485.63	12778.81	-10428.99	1725396.11	386984.40	39°33'30.2812"N	80°28'26.2701"W	16494.30	320.782	0.10	0.09	0.02	
25205.00	90.500	335.280	7713.32	6367.32	16577.33	12864.22	-10468.24	1725356.86	387069.81	39°33'31.1211"N	80°28'26.7830"W	16585.30	320.863	0.18	-0.16	-0.09	
25300.00	90.590	335.750	7712.42	6366.42	16669.94	12950.68	-10507.81	1725317.49	387156.26	39°33'31.9713"N	80°28'27.2978"W	16677.23	320.948	0.50	0.09	0.49	
25395.00	90.400	335.280	7711.60	6365.60	16762.54	13037.13	-10548.96	1725278.12	387242.71	39°33'32.8215"N	80°28'27.8123"W	16769.19	321.027	0.53	-0.20	-0.49	
25490.00	90.280	335.340	7711.03	6365.03	16855.23	13123.44	-10586.67	1725238.44	387329.03	39°33'33.6704"N	80°28'28.3309"W	16861.26	321.107	0.14	-0.13	0.06	
25585.00	90.280	335.380	7710.57	6364.57	16947.90	13209.79	-10626.27	1725198.83	387415.38	39°33'34.5195"N	80°28'28.8485"W	16953.36	321.186	0.04	0.00	0.04	
25680.00	91.080	335.810	7709.44	6363.44	17040.47	13296.30	-10665.52	1725159.58	387501.88	39°33'35.3702"N	80°28'29.3616"W	17045.38	321.265	0.96	0.84	0.45	
25775.00	90.890	335.440	7708.06	6362.06	17133.03	13382.82	-10704.72	1725120.38	387588.40	39°33'36.2212"N	80°28'29.8741"W	17137.41	321.344	0.65	-0.52	-0.39	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

WELLPATH DATA (320 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
25870.00	90.620	335.550	7707.05	6361.05	17225.65	13489.26	-10744.13	1725080.98	387674.84	39°33'37.0712"N	80°28'30.3892"W	17229.54	321.421	0.12	0.03	0.12	
25965.00	90.250	335.340	7706.33	6360.33	17318.28	13555.66	-10783.60	1725041.50	387761.25	39°33'37.9210"N	80°28'30.9052"W	17321.72	321.498	0.45	-0.39	-0.22	
26060.00	90.460	334.610	7705.74	6359.74	17411.08	13641.74	-10823.79	1725001.31	387847.32	39°33'38.7674"N	80°28'31.4302"W	17414.12	321.570	0.80	0.22	-0.77	
26155.00	90.530	334.350	7704.92	6358.92	17504.06	13727.47	-10864.72	1724960.39	387933.05	39°33'39.6103"N	80°28'31.9646"W	17506.73	321.640	0.28	0.07	-0.27	
26250.00	90.280	334.400	7704.25	6358.25	17597.07	13813.12	-10905.80	1724919.30	388018.71	39°33'40.4524"N	80°28'32.5011"W	17599.40	321.708	0.27	-0.26	0.05	
26345.00	90.500	334.400	7703.60	6357.60	17690.08	13898.80	-10946.85	1724878.26	388104.38	39°33'41.2947"N	80°28'33.0370"W	17692.09	321.776	0.23	0.23	0.00	
26440.00	90.500	334.550	7702.78	6356.78	17783.05	13984.52	-10987.78	1724837.32	388190.10	39°33'42.1376"N	80°28'33.5716"W	17784.77	321.843	0.16	0.00	0.16	
26535.00	90.650	334.370	7701.82	6355.82	17876.03	14070.23	-11028.74	1724796.36	388275.82	39°33'42.9803"N	80°28'34.1064"W	17877.49	321.909	0.25	0.16	-0.19	
26631.00	90.500	334.460	7700.86	6354.86	17970.01	14156.82	-11070.19	1724754.91	388362.40	39°33'43.8315"N	80°28'34.6477"W	17971.22	321.976	0.18	-0.16	0.09	
26726.00	90.310	334.100	7700.19	6354.19	18063.05	14242.40	-11111.42	1724713.60	388447.90	39°33'44.6730"N	80°28'35.1680"W	18064.04	322.040	0.43	-0.20	-0.38	
26821.00	90.620	334.410	7699.42	6353.42	18156.10	14327.97	-11152.68	1724672.42	388533.55	39°33'45.5142"N	80°28'35.7247"W	18156.90	322.103	0.46	0.33	0.33	
26916.00	90.560	334.540	7698.44	6352.44	18249.08	14413.69	-11193.62	1724631.49	388619.27	39°33'46.3571"N	80°28'36.2593"W	18249.70	322.167	0.15	-0.06	0.14	
27011.00	90.590	334.310	7697.48	6351.48	18342.07	14499.38	-11234.63	1724590.48	388704.96	39°33'47.1995"N	80°28'36.7948"W	18342.54	322.230	0.24	0.03	-0.24	
27106.00	90.590	334.380	7696.51	6350.51	18435.09	14585.01	-11275.75	1724549.35	388790.59	39°33'48.0414"N	80°28'37.3318"W	18435.43	322.292	0.07	0.00	0.07	
27206.00	90.680	334.570	7694.40	6348.40	18621.04	14756.45	-11357.62	1724467.48	388962.03	39°33'49.7270"N	80°28'38.4009"W	18621.18	322.416	0.11	0.05	0.10	
27391.00	90.770	334.420	7693.20	6347.20	18714.01	14842.19	-11398.52	1724426.58	389047.77	39°33'50.5700"N	80°28'38.9351"W	18714.08	322.476	0.18	0.09	-0.16	
27486.00	90.900	334.670	7691.81	6345.81	18806.95	14927.96	-11439.35	1724385.75	389133.54	39°33'51.4133"N	80°28'39.4683"W	18806.98	322.537	0.30	0.14	0.26	
27546.00	90.800	334.530	7690.92	6344.92	18865.64	14982.15	-11465.08	1724360.02	389187.73	39°33'51.9461"N	80°28'39.8044"W	18865.66	322.575	0.29	-0.17	-0.23	
27640.00	90.800	334.550	7689.61	6343.61	18957.62	15067.01	-11505.49	1724319.62	389272.59	39°33'52.7805"N	80°28'40.3321"W	18957.62	322.634	0.02	0.00	0.02	Final Survey
27665.00†	90.800	334.550	7689.26	6343.26	18982.07	15089.59	-11518.23	1724306.87	389295.17	39°33'53.0024"N	80°28'40.4724"W	18962.08	322.649	0.00	0.00	0.00	Projection to TD



Actual Wellpath Report

Carnegie 1H Proj: 27665'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 1H
Field	Marion	API	47-049-02520
Facility	Carnegie Pad	Wellbore	Carnegie 1H
Slot	Slot 01		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Carnegie 1H - BHL	7719.00	15089.16	-11517.91	1724307.19	389294.74	39°33'52.9980"N	80°28'40.4938"W	point
Carnegie 1H - LP	7719.00	-1334.10	-3859.56	1731965.53	372871.51	39°31'11.4943"N	80°27'0.4892"W	point

WELLPATH COMPOSITION - Ref Wellbore: Carnegie 1H Ref Wellpath: Carnegie 1H Proj: 27665'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1005.00	BH Generic gyro - northseeking (Standard)	01 Gyro	Carnegie 1H	4/24/2024
1005.00	7879.00	OWSG MWD rev2 - Standard	02 SDI MWD	Carnegie 1H	4/24/2024
7879.00	27665.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2">(7928' - 27640')	Carnegie 1H	4/28/2024

09/19/2025