



Actual Wellpath Report

Carnegie 9H Proj: 26231'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

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	6/7/2024 at 8:02:49 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	58.70	12.40	1735837.48	374264.31	39°31'25.6617"N	80°26'11.2667"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 09)	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	334.70°



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Slot	Slot 09		

WELLPATH DATA (290 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	194.370	0.00	-1346.00	0.00	0.00	0.00	1735837.48	374264.31	39°31'25.6617"N	80°26'11.2667"W	0.00	0.000	0.00	0.00	0.00	
28.00	0.000	194.370	28.00	-1318.00	0.00	0.00	0.00	1735837.48	374264.31	39°31'25.6617"N	80°26'11.2667"W	0.00	0.000	0.00	0.00	0.00	
115.00	0.200	194.370	115.00	-1231.00	-0.12	-0.15	-0.04	1735837.44	374264.18	39°31'25.6602"N	80°26'11.2671"W	0.15	194.370	0.23	0.23	0.00	01 Gyro
215.00	0.200	174.150	215.00	-1131.00	-0.42	-0.49	-0.06	1735837.42	374263.82	39°31'25.6569"N	80°26'11.2674"W	0.49	187.354	0.07	0.00	-20.22	
315.00	0.100	196.860	315.00	-1031.00	-0.65	-0.75	-0.07	1735837.41	374263.58	39°31'25.6543"N	80°26'11.2675"W	0.75	185.410	0.11	-0.10	22.71	
415.00	0.170	205.760	415.00	-931.00	-0.80	-0.96	-0.16	1735837.32	374263.35	39°31'25.6522"N	80°26'11.2686"W	0.98	189.453	0.07	0.07	8.90	
515.00	0.270	175.240	515.00	-831.00	-1.12	-1.33	-0.21	1735837.27	374262.98	39°31'25.6485"N	80°26'11.2691"W	1.35	188.765	0.15	0.10	-30.52	
615.00	0.310	172.050	615.00	-731.00	-1.60	-1.84	-0.15	1735837.33	374262.47	39°31'25.6436"N	80°26'11.2683"W	1.84	184.625	0.04	0.04	-3.19	
715.00	0.290	159.010	715.00	-631.00	-2.11	-2.34	-0.02	1735837.46	374261.97	39°31'25.6386"N	80°26'11.2668"W	2.34	180.500	0.07	-0.02	-13.04	
815.00	0.210	147.310	814.99	-531.01	-2.54	-2.72	0.18	1735837.66	374261.58	39°31'25.6349"N	80°26'11.2639"W	2.72	176.111	0.11	-0.08	-17.70	
915.00	0.240	136.410	914.99	-431.01	-2.91	-3.01	0.44	1735837.92	374261.30	39°31'25.6320"N	80°26'11.2606"W	3.05	171.623	0.04	0.03	-4.90	
1015.00	0.190	122.510	1014.99	-331.01	-3.25	-3.25	0.73	1735838.21	374261.06	39°31'25.6296"N	80°26'11.2569"W	3.33	167.390	0.07	-0.05	-13.90	
1115.00	0.130	165.360	1114.99	-231.01	-3.51	-3.45	0.90	1735838.38	374260.86	39°31'25.6277"N	80°26'11.2548"W	3.57	165.446	0.13	-0.06	42.85	
1215.00	0.120	231.330	1214.99	-131.01	-3.64	-3.63	0.84	1735838.32	374260.68	39°31'25.6259"N	80°26'11.2554"W	3.73	166.914	0.14	-0.01	65.97	
1315.00	0.030	222.210	1314.99	-31.01	-3.97	-3.71	0.74	1735838.22	374260.60	39°31'25.6251"N	80°26'11.2567"W	3.79	168.889	0.09	-0.05	-9.12	
1415.00	0.180	71.210	1414.99	68.99	-3.70	-3.68	0.88	1735838.38	374260.63	39°31'25.6254"N	80°26'11.2550"W	3.78	166.629	0.21	0.15	-151.00	
1515.00	0.430	84.700	1514.99	168.99	-3.85	-3.60	1.40	1735838.88	374260.71	39°31'25.6263"N	80°26'11.2483"W	3.86	158.768	0.26	0.25	13.49	
1615.00	0.710	90.040	1614.99	268.99	-4.24	-3.56	2.39	1735839.87	374260.75	39°31'25.6267"N	80°26'11.2357"W	4.29	146.135	0.28	0.28	5.34	
1715.00	0.690	87.870	1714.98	368.98	-4.74	-3.54	3.61	1735841.09	374260.77	39°31'25.6271"N	80°26'11.2201"W	5.06	134.427	0.03	-0.02	-2.17	
1815.00	0.680	86.270	1814.97	468.97	-5.20	-3.48	4.81	1735842.29	374260.83	39°31'25.6278"N	80°26'11.2049"W	5.93	125.905	0.02	0.01	-1.60	
1915.00	0.520	111.650	1914.97	568.97	-5.75	-3.61	5.82	1735843.30	374260.70	39°31'25.6286"N	80°26'11.1919"W	6.85	121.800	0.31	-0.16	25.38	
2015.00	0.370	94.030	2014.96	668.96	-6.24	-3.80	6.56	1735844.04	374260.51	39°31'25.6248"N	80°26'11.1824"W	7.58	120.059	0.20	-0.15	-17.62	
2115.00	0.480	133.940	2114.96	768.96	-6.77	-4.10	7.17	1735844.65	374260.21	39°31'25.6219"N	80°26'11.1746"W	8.26	119.744	0.30	0.09	39.91	
2215.00	0.400	129.660	2214.96	868.96	-7.46	-4.60	7.73	1735845.21	374259.71	39°31'25.6170"N	80°26'11.1674"W	9.00	120.754	0.07	-0.06	-4.28	
2315.00	0.280	142.160	2314.96	968.96	-8.02	-5.02	8.15	1735845.63	374259.29	39°31'25.6130"N	80°26'11.1620"W	9.57	121.611	0.14	-0.12	12.50	
2415.00	0.360	118.210	2414.95	1068.95	-8.51	-5.36	8.58	1735846.06	374258.95	39°31'25.6096"N	80°26'11.1565"W	10.11	121.991	0.15	0.08	-23.95	
2515.00	0.490	120.720	2514.95	1168.95	-9.12	-5.73	9.22	1735846.70	374258.58	39°31'25.6061"N	80°26'11.1482"W	10.85	121.832	0.13	0.13	2.51	
2615.00	0.470	139.770	2614.95	1268.95	-9.87	-6.26	9.85	1735847.33	374258.05	39°31'25.6009"N	80°26'11.1401"W	11.67	122.411	0.16	-0.02	19.05	
2621.00	0.500	140.740	2620.95	1274.95	-9.92	-6.30	9.89	1735847.37	374258.01	39°31'25.6005"N	80°26'11.1396"W	11.72	122.487	0.52	0.50	16.17	
2785.00	0.300	171.070	2764.94	1418.94	-10.69	-7.15	10.34	1735847.82	374257.16	39°31'25.6921"N	80°26'11.1337"W	12.58	124.672	0.20	-0.14	21.06	02 SDI MWD



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Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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
2808.00	0.380	170.160	2807.94	1461.94	-11.13	-7.41	10.39	1735847.87	374256.90	39°31'25.5896"N	80°26'11.1331"W	12.76	125.495	0.19	0.19	-2.12	KOP
2852.00	0.710	125.910	2851.94	1505.94	-11.51	-7.71	10.63	1735848.11	374256.80	39°31'25.5866"N	80°26'11.1300"W	13.13	125.951	1.16	0.75	-100.57	
2895.00	1.190	113.770	2894.94	1548.94	-12.08	-8.05	11.26	1735848.74	374256.26	39°31'25.5833"N	80°26'11.1220"W	13.84	125.560	1.20	1.12	-28.23	
2938.00	2.000	113.820	2937.92	1591.92	-12.99	-8.53	12.35	1735849.83	374255.78	39°31'25.5787"N	80°26'11.1079"W	15.01	124.629	1.88	1.88	0.12	
2982.00	2.255	108.110	2981.89	1635.89	-14.18	-9.11	13.57	1735851.35	374255.20	39°31'25.5731"N	80°26'11.0884"W	16.50	123.284	0.74	0.57	-12.98	
3025.00	2.940	102.140	3024.84	1678.84	-15.41	-9.60	15.75	1735853.23	374254.71	39°31'25.5684"N	80°26'11.0643"W	18.45	121.362	1.72	1.60	-13.88	
3068.00	3.600	104.160	3067.77	1721.77	-16.94	-10.16	18.14	1735855.82	374254.15	39°31'25.5631"N	80°26'11.0338"W	20.79	119.261	1.56	1.53	4.70	
3111.00	3.720	102.570	3110.69	1764.69	-18.66	-10.80	20.81	1735858.29	374253.51	39°31'25.5571"N	80°26'10.9996"W	23.45	117.423	0.37	0.28	-3.70	
3154.00	3.760	103.330	3153.59	1807.59	-20.39	-11.43	23.55	1735861.03	374252.88	39°31'25.5512"N	80°26'10.9647"W	26.17	115.888	0.15	0.09	1.77	
3241.00	2.940	107.690	3240.45	1859.45	-23.70	-12.76	28.45	1735865.93	374251.55	39°31'25.5365"N	80°26'10.9019"W	31.18	114.163	0.99	-0.94	5.01	
3327.00	2.100	102.320	3326.36	1980.36	-26.16	-13.77	32.09	1735869.57	374250.54	39°31'25.5289"N	80°26'10.8554"W	34.92	113.225	1.01	-0.98	-6.24	
3413.00	2.140	105.700	3412.30	2066.30	-28.18	-14.54	35.17	1735872.65	374249.77	39°31'25.5216"N	80°26'10.8159"W	38.06	112.459	0.15	0.05	3.93	
3500.00	2.000	99.550	3499.25	2153.25	-30.11	-15.23	38.23	1735875.71	374249.08	39°31'25.5151"N	80°26'10.7767"W	41.16	111.721	0.30	-0.16	-7.07	
3586.00	1.910	95.680	3585.20	2239.20	-31.70	-15.62	41.14	1735878.82	374248.89	39°31'25.5115"N	80°26'10.7396"W	44.01	110.793	0.19	-0.10	-4.50	
3673.00	1.555	102.630	3672.15	2326.15	-33.22	-16.04	43.80	1735881.28	374248.27	39°31'25.5077"N	80°26'10.7055"W	46.85	110.118	0.39	-0.30	8.22	
3759.00	2.000	105.790	3758.11	2412.11	-34.98	-16.73	46.45	1735883.93	374247.58	39°31'25.5012"N	80°26'10.6716"W	49.37	109.802	0.42	0.41	3.44	
3846.00	3.240	131.550	3845.02	2499.02	-38.24	-18.77	49.75	1735887.23	374245.54	39°31'25.4813"N	80°26'10.6293"W	53.18	110.674	1.94	1.43	29.72	
3932.00	4.670	148.490	3930.82	2584.82	-43.95	-23.37	53.40	1735890.88	374240.94	39°31'25.4362"N	80°26'10.5821"W	58.29	113.640	2.13	1.66	19.58	
4018.00	4.510	167.720	4016.55	2670.55	-50.73	-29.66	55.95	1735893.43	374234.65	39°31'25.3743"N	80°26'10.5488"W	63.33	117.932	1.79	-0.19	22.36	
4104.00	4.170	175.620	4102.30	2756.30	-56.94	-36.08	56.91	1735894.39	374228.23	39°31'25.3109"N	80°26'10.5357"W	67.38	122.379	0.80	-0.40	9.19	
4191.00	3.830	172.960	4189.09	2843.09	-62.68	-42.12	57.50	1735894.98	374222.19	39°31'25.2513"N	80°26'10.5272"W	71.28	126.223	0.45	-0.39	-3.06	
4277.00	3.470	171.760	4274.91	2928.91	-67.87	-47.55	58.23	1735895.71	374216.76	39°31'25.1978"N	80°26'10.5173"W	75.18	129.235	0.43	-0.42	-1.40	
4364.00	3.490	185.960	4361.75	3015.75	-72.65	-52.79	58.33	1735895.81	374211.52	39°31'25.1460"N	80°26'10.5153"W	78.67	132.144	0.99	0.02	16.32	
4450.00	4.080	195.280	4447.57	3101.57	-77.21	-58.34	57.25	1735894.73	374205.97	39°31'25.0910"N	80°26'10.5283"W	81.74	135.540	0.99	0.69	10.84	
4536.00	3.880	195.290	4533.36	3187.36	-81.75	-64.10	55.68	1735893.16	374200.21	39°31'25.0339"N	80°26'10.5476"W	84.91	139.022	0.23	-0.23	0.01	
4623.00	3.730	199.110	4620.17	3274.17	-86.00	-69.61	53.98	1735891.46	374194.70	39°31'24.9792"N	80°26'10.5686"W	88.09	142.211	0.34	-0.17	4.39	
4709.00	4.560	203.080	4705.94	3359.94	-90.27	-75.40	51.72	1735889.20	374188.91	39°31'24.9218"N	80°26'10.5966"W	91.44	145.553	1.02	0.97	4.62	
4796.00	4.950	203.170	4792.64	3446.64	-95.06	-82.03	48.89	1735886.37	374182.28	39°31'24.8560"N	80°26'10.6319"W	95.50	149.208	0.45	0.45	0.10	
4882.00	4.440	204.350	4878.35	3532.35	-99.67	-88.48	46.06	1735883.54	374175.83	39°31'24.7920"N	80°26'10.6672"W	99.75	152.502	0.60	-0.59	1.37	
4968.00	4.265	197.750	4966.13	3610.13	-103.75	-93.99	43.93	1735881.41	374170.32	39°31'24.7373"N	80°26'10.6935"W	103.75	154.950	0.88	-0.23	-8.46	



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Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
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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
5046.00	4.930	196.770	5041.85	3695.85	-108.82	-100.57	41.89	1735879.37	374163.74	39°31'24.6721"N	80°26'10.7187"W	108.94	157.388	0.78	0.78	-1.14	
5133.00	4.760	191.500	5128.54	3782.54	-114.49	-107.69	40.09	1735877.57	374156.62	39°31'24.6015"N	80°26'10.7407"W	114.91	159.581	0.55	-0.20	-6.06	
5219.00	4.810	177.040	5214.25	3868.25	-120.68	-114.78	39.56	1735877.04	374149.53	39°31'24.5313"N	80°26'10.7465"W	121.41	160.982	1.40	0.06	-16.81	
5306.00	4.440	186.910	5300.96	3954.96	-126.90	-121.77	39.35	1735876.83	374142.54	39°31'24.4623"N	80°26'10.7483"W	127.97	162.093	1.01	-0.43	11.34	
5391.00	4.190	184.330	5385.72	4039.72	-132.39	-125.13	38.72	1735876.20	374136.18	39°31'24.3993"N	80°26'10.7555"W	133.85	163.187	0.37	-0.29	-3.04	
5478.00	5.050	185.630	5472.44	4126.44	-138.43	-135.11	38.10	1735875.58	374129.20	39°31'24.3303"N	80°26'10.7625"W	140.38	164.252	1.00	0.99	1.49	
5565.00	5.220	191.090	5559.09	4213.09	-144.91	-142.81	36.96	1735874.44	374121.50	39°31'24.2541"N	80°26'10.7760"W	147.51	165.488	0.59	0.20	6.28	
5651.00	5.110	179.200	5644.74	4298.74	-151.54	-150.47	36.27	1735873.75	374113.84	39°31'24.1782"N	80°26'10.7839"W	154.78	166.450	1.25	-0.13	-13.83	
5737.00	5.480	181.210	5730.38	4384.38	-158.70	-158.41	36.23	1735873.71	374105.90	39°31'24.0998"N	80°26'10.7832"W	162.50	167.117	0.48	0.43	2.34	
5824.00	5.730	189.480	5816.98	4470.98	-165.98	-166.85	35.43	1735872.91	374097.46	39°31'24.0163"N	80°26'10.7923"W	170.57	168.012	0.97	0.29	9.51	
5910.00	5.380	184.240	5902.56	4556.56	-173.02	-175.10	34.42	1735871.90	374089.21	39°31'23.9347"N	80°26'10.8041"W	178.45	168.878	0.72	-0.41	-8.09	
5997.00	5.730	178.270	5989.15	4643.15	-180.55	-183.51	34.25	1735871.73	374080.80	39°31'23.8515"N	80°26'10.8051"W	186.68	169.427	0.78	0.40	-8.86	
6083.00	5.390	177.010	6074.75	4728.75	-188.22	-191.84	34.59	1735872.07	374072.47	39°31'23.7693"N	80°26'10.7997"W	194.93	169.778	0.42	-0.40	-1.47	
6170.00	5.380	182.290	6161.36	4815.36	-195.61	-199.99	34.64	1735872.12	374064.32	39°31'23.6887"N	80°26'10.7980"W	202.97	170.172	0.57	-0.01	6.07	
6258.00	5.320	179.100	6245.99	4900.99	-202.82	-208.01	34.65	1735872.03	374056.30	39°31'23.6035"N	80°26'10.7961"W	210.86	170.570	0.25	-0.07	-3.71	
6342.00	4.800	170.250	6332.65	4986.65	-209.92	-215.54	35.22	1735872.70	374048.77	39°31'23.5351"N	80°26'10.7886"W	218.40	170.720	1.09	-0.60	-10.29	
6429.00	4.940	168.720	6419.34	5073.34	-217.06	-222.80	36.57	1735874.05	374041.51	39°31'23.4635"N	80°26'10.7704"W	225.78	170.880	0.22	0.18	-1.76	
6515.00	4.960	169.740	6505.02	5159.02	-224.24	-230.09	37.95	1735875.43	374034.22	39°31'23.3916"N	80°26'10.7517"W	233.20	170.633	0.10	0.02	1.19	
6602.00	3.650	167.460	6591.77	5245.77	-230.57	-236.49	39.22	1735876.70	374027.82	39°31'23.3284"N	80°26'10.7347"W	239.73	170.583	1.52	-1.51	-2.62	
6688.00	3.890	170.070	6677.82	5331.82	-235.48	-241.45	40.22	1735877.70	374022.88	39°31'23.2795"N	80°26'10.7213"W	244.78	170.543	0.87	-0.85	3.03	
6774.00	3.730	163.470	6763.47	5417.47	-240.48	-246.41	41.41	1735878.89	374017.90	39°31'23.2306"N	80°26'10.7054"W	249.87	170.460	0.87	0.74	-7.67	
6860.00	3.430	173.800	6849.30	5503.30	-245.67	-251.65	42.49	1735879.97	374012.66	39°31'23.1789"N	80°26'10.6910"W	255.22	170.417	0.83	-0.35	12.01	
6947.00	3.680	182.960	6936.14	5590.14	-250.59	-257.03	42.62	1735880.10	374007.28	39°31'23.1258"N	80°26'10.6885"W	260.54	170.584	0.71	0.29	10.53	
7034.00	3.750	179.440	7020.07	5676.07	-252.56	-259.23	42.58	1735880.06	374005.08	39°31'23.1040"N	80°26'10.6888"W	262.71	170.672	0.70	0.21	-10.35	
7120.00	3.750	179.440	7047.90	5701.90	-257.20	-264.33	42.63	1735880.11	373999.98	39°31'23.0536"N	80°26'10.6875"W	267.75	170.839	0.00	0.00	0.00	
7206.00	4.270	179.420	7056.88	5710.88	-257.77	-264.96	42.64	1735880.12	373999.35	39°31'23.0474"N	80°26'10.6873"W	268.37	170.859	5.78	5.78	-0.22	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8 1/2"> (7068' - 26206')
7292.00	3.900	326.510	7151.78	5805.78	-257.78	-265.81	40.89	1735878.37	373998.51	39°31'23.0389"N	80°26'10.7096"W	268.93	171.255	8.25	-0.39	154.83	Curve KDP
7378.00	11.480	335.800	7245.86	5899.86	-245.11	-254.47	35.22	1735872.70	374009.84	39°31'23.1503"N	80°26'10.7834"W	266.90	172.120	8.06	7.98	9.78	
7464.00	20.560	332.190	7337.08	5991.08	-218.94	-231.04	23.54	1735861.02	374033.27	39°31'23.3806"N	80°26'10.9356"W	232.24	174.183	9.61	9.56	-3.80	
7550.00	30.150	331.670	7422.83	6076.83	-178.35	-195.17	4.46	1735841.94	374069.14	39°31'23.7333"N	80°26'11.1838"W	196.22	176.691	10.10	10.09	-0.34	



Actual Wellpath Report

Carnegie 9H Proj: 26231'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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
7542.00	39.620	331.580	7499.85	6153.85	-124.73	-147.89	-21.00	1735816.48	374116.42	39°31'24.1979"N	80°26'11.5150"W	149.37	188.082	10.08	10.07	-0.33	
7538.00	49.500	331.300	7568.17	6222.17	-57.56	-88.81	-53.19	1735784.28	374175.50	39°31'24.7785"N	80°26'11.9335"W	103.52	210.916	10.29	10.29	-0.27	
7733.00	59.060	331.350	7623.56	6277.56	19.34	-21.22	-90.15	1735747.33	374243.09	39°31'25.4427"N	80°26'12.4142"W	92.61	256.758	10.06	10.06	0.05	
7528.00	66.800	333.650	7668.92	6320.92	103.73	53.72	-129.09	1735708.39	374318.03	39°31'26.1791"N	80°26'12.9212"W	139.82	292.592	8.22	7.54	-2.42	
7923.00	72.810	334.890	7700.01	6354.01	15.73	133.20	-107.71	1735689.77	374388.21	39°31'26.9878"N	80°26'13.4247"W	214.61	309.003	8.44	8.23	-1.31	
7959.70†	75.214	334.779	7710.18	6364.18	227.99	165.81	-182.71	1735664.77	374430.12	39°31'27.2817"N	80°26'13.0203"W	246.73	312.225	7.10	7.10	-0.30	Marcellus
8017.00	79.280	334.610	7722.83	6376.83	283.87	216.33	-208.59	1735630.89	374480.64	39°31'27.7784"N	80°26'13.9318"W	299.13	316.319	7.10	7.10	-0.29	
8113.00	87.250	336.660	7734.08	6388.08	379.11	303.10	-245.88	1735591.60	374567.41	39°31'28.6320"N	80°26'14.4447"W	380.29	320.951	8.57	8.30	-2.14	
8208.00	86.870	335.100	7739.12	6393.12	473.95	389.69	-284.64	1735552.84	374653.99	39°31'29.4838"N	80°26'14.9509"W	482.57	323.854	1.75	-0.61	-1.64	
8303.00	88.640	336.140	7744.56	6398.56	568.79	475.72	-324.54	1735512.84	374740.63	39°31'30.3500"N	80°26'15.4716"W	575.88	325.898	0.05	-0.00	0.04	
8398.00	89.560	335.370	7747.72	6401.72	663.72	561.94	-364.28	1735473.20	374826.25	39°31'31.1750"N	80°26'15.9902"W	669.69	327.047	3.19	3.18	0.24	Landing Point
8493.00	89.470	335.080	7748.46	6402.46	758.72	646.19	-404.11	1735433.37	374912.50	39°31'32.0263"N	80°26'16.5099"W	763.84	328.059	0.38	-0.20	-0.33	
8588.00	89.750	335.190	7748.09	6403.09	853.71	734.37	-444.07	1735393.41	374998.68	39°31'32.8740"N	80°26'17.0313"W	856.20	328.839	0.32	0.29	0.14	
8683.00	89.690	333.560	7749.56	6403.56	948.70	820.03	-485.15	1735352.33	375084.34	39°31'33.7163"N	80°26'17.5670"W	952.79	329.390	1.72	-0.09	-1.72	
8777.00	90.190	334.350	7749.74	6403.74	1042.70	904.83	-525.65	1735311.80	375169.14	39°31'34.5500"N	80°26'18.0958"W	1049.45	329.845	1.95	-0.43	-1.90	
8873.00	90.180	335.470	7749.51	6403.51	1138.69	992.13	-585.83	1735271.85	375256.44	39°31'35.4089"N	80°26'18.6170"W	1142.04	330.312	0.16	0.03	0.13	
8967.00	89.970	334.830	7749.39	6403.39	1232.69	1077.35	-605.28	1735232.20	375341.66	39°31'36.2471"N	80°26'19.1344"W	1235.74	330.672	0.92	-0.22	-0.89	
9062.00	90.120	335.070	7749.31	6403.31	1327.69	1163.35	-645.68	1735191.83	375427.68	39°31'37.0929"N	80°26'19.6511"W	1330.51	330.970	0.49	0.16	0.46	
9156.00	89.900	335.460	7749.30	6403.30	1421.68	1248.72	-684.99	1735152.49	375513.03	39°31'37.9326"N	80°26'20.1744"W	1424.26	331.253	0.48	-0.23	0.41	
9251.00	89.800	335.370	7749.71	6403.71	1516.88	1335.08	-724.50	1735112.90	375599.35	39°31'38.7820"N	80°26'20.6913"W	1519.03	331.510	0.37	-0.32	-0.20	
9346.00	89.500	335.460	7750.13	6404.13	1611.67	1421.43	-764.19	1735073.30	375685.74	39°31'39.6313"N	80°26'21.2082"W	1613.83	331.737	0.37	0.32	0.20	
9440.00	88.740	334.480	7751.24	6405.24	1705.66	1506.59	-803.95	1735033.53	375770.90	39°31'40.4689"N	80°26'21.7270"W	1707.88	331.915	1.62	-1.23	-1.04	
9535.00	88.780	336.400	7752.47	6406.47	1800.65	1592.64	-844.19	1734993.30	375856.95	39°31'41.3152"N	80°26'22.2520"W	1802.54	332.074	1.46	1.09	0.97	
9630.00	89.750	335.530	7752.86	6406.86	1895.64	1679.06	-883.63	1734953.85	375943.37	39°31'42.1653"N	80°26'22.7570"W	1897.38	332.244	0.14	-0.03	0.14	
9725.00	89.860	334.880	7753.35	6407.35	1990.83	1765.30	-920.47	1734914.01	376029.61	39°31'43.0000"N	80°26'23.2885"W	1992.24	332.585	0.85	-0.04	-0.88	
9819.00	89.660	334.870	7753.91	6407.91	2084.63	1850.41	-963.39	1734874.10	376114.71	39°31'43.8505"N	80°26'23.8076"W	2086.17	332.497	0.01	0.00	-0.01	
9914.00	89.600	335.330	7754.62	6408.62	2179.63	1936.57	-1003.38	1734834.10	376200.88	39°31'44.6980"N	80°26'24.3296"W	2181.08	332.610	0.49	-0.06	0.48	
10009.00	89.910	335.430	7754.93	6408.93	2274.62	2022.94	-1042.86	1734794.62	376287.24	39°31'45.5474"N	80°26'24.8462"W	2275.97	332.726	0.34	0.33	0.11	
10104.00	89.690	335.340	7755.26	6409.26	2369.61	2109.30	-1082.53	1734754.95	376373.61	39°31'46.3969"N	80°26'25.3627"W	2370.87	332.832	0.25	-0.23	-0.09	
10198.00	89.600	334.230	7755.84	6409.84	2463.81	2194.34	-1122.57	1734714.91	376458.85	39°31'47.2033"N	80°26'25.8851"W	2464.81	332.907	1.18	-0.10	-1.18	



Actual Wellpath Report

Carnegie 9H Proj: 26231'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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
10293.00	89.750	335.500	7756.38	6410.38	2558.60	2280.34	-1162.92	1734674.58	376544.65	39°31'48.0791"N	80°26'26.4116"W	2559.76	332.979	1.35	0.16	1.34	
10387.00	89.890	335.360	7756.84	6410.84	2652.59	2365.83	-1202.01	1734635.47	376630.14	39°31'48.9199"N	80°26'26.9218"W	2653.67	333.066	0.16	-0.06	-0.15	
10482.00	89.940	335.350	7757.14	6411.14	2747.59	2452.18	-1241.62	1734595.86	376716.48	39°31'49.7692"N	80°26'27.4389"W	2748.60	333.145	0.26	0.26	-0.01	
10576.00	89.970	335.950	7757.22	6411.22	2841.57	2537.82	-1280.38	1734557.10	376802.12	39°31'50.6116"N	80°26'27.9450"W	2842.51	333.228	0.64	0.03	0.64	
10671.00	90.000	336.300	7757.30	6411.30	2936.55	2624.58	-1319.11	1734518.37	376888.87	39°31'51.4543"N	80°26'28.4509"W	2937.41	333.316	0.10	0.05	-0.05	
10766.00	89.810	334.900	7757.30	6411.30	3031.54	2710.95	-1358.63	1734475.65	376975.25	39°31'52.3146"N	80°26'28.9689"W	3032.35	333.382	1.12	-0.26	-1.08	
10861.00	89.870	335.230	7757.57	6411.57	3126.54	2797.09	-1398.68	1734438.80	377061.40	39°31'53.1618"N	80°26'29.4895"W	3127.31	333.433	0.35	0.06	0.35	
10955.00	89.970	335.520	7757.70	6411.70	3220.53	2882.54	-1437.85	1734399.63	377146.85	39°31'54.0023"N	80°26'30.0009"W	3221.25	333.489	0.33	0.11	0.31	
11050.00	89.840	335.080	7757.85	6411.85	3315.53	2968.85	-1477.55	1734359.93	377233.16	39°31'54.8512"N	80°26'30.5190"W	3316.21	333.541	0.48	-0.14	-0.48	
11144.00	90.000	335.500	7757.90	6411.89	3409.53	3054.16	-1516.99	1734320.40	377318.48	39°31'55.6904"N	80°26'31.0338"W	3410.17	333.587	0.20	0.17	0.23	
11239.00	89.750	335.550	7758.19	6412.19	3504.52	3140.57	-1556.50	1734280.98	377404.87	39°31'56.5402"N	80°26'31.5497"W	3505.12	333.638	0.37	-0.29	0.26	
11334.00	89.660	335.430	7758.68	6412.68	3599.51	3227.01	-1595.91	1734241.57	377491.31	39°31'57.3904"N	80°26'32.0642"W	3600.07	333.689	0.16	-0.09	-0.13	
11429.00	89.600	335.200	7759.30	6413.30	3694.50	3313.32	-1635.59	1734201.90	377577.63	39°31'58.2394"N	80°26'32.5821"W	3695.03	333.727	0.25	-0.08	-0.24	
11524.00	90.060	335.370	7759.58	6413.53	3789.49	3399.62	-1675.30	1734162.18	377663.93	39°31'59.0882"N	80°26'33.1006"W	3790.00	333.766	0.52	0.48	0.18	
11619.00	89.880	335.370	7759.63	6413.63	3883.49	3485.07	-1714.43	1734123.00	377749.37	39°31'59.9288"N	80°26'33.6120"W	3883.08	333.805	0.10	-0.10	0.00	
11714.00	89.970	335.210	7759.75	6413.75	3979.48	3572.28	-1754.61	1734082.87	377836.58	39°32'0.7864"N	80°26'34.1359"W	3979.03	333.841	0.19	0.09	-0.17	
11808.00	89.970	335.440	7759.80	6413.80	4073.48	3657.70	-1793.85	1734043.63	377922.00	39°32'1.6265"N	80°26'34.6482"W	4073.90	333.878	0.24	0.00	0.24	
11903.00	89.940	335.380	7759.88	6413.88	4168.47	3744.08	-1833.38	1734004.10	378008.38	39°32'2.4762"N	80°26'35.1643"W	4168.07	333.910	0.07	-0.03	-0.06	
11998.00	90.150	335.410	7759.80	6413.80	4263.46	3830.45	-1872.94	1733964.55	378094.76	39°32'3.3257"N	80°26'35.6807"W	4263.83	333.943	0.22	0.23	0.03	
12093.00	90.310	335.720	7759.42	6413.42	4358.45	3916.94	-1912.24	1733925.25	378181.28	39°32'4.1766"N	80°26'36.1939"W	4358.60	333.979	0.47	0.11	0.33	
12188.00	90.210	334.480	7759.99	6412.99	4453.45	4003.10	-1952.25	1733885.24	378267.41	39°32'5.0239"N	80°26'36.7161"W	4453.78	334.002	1.33	-0.11	-1.33	
12283.00	90.120	334.620	7758.72	6412.72	4548.44	4088.88	-1993.09	1733844.40	378353.18	39°32'5.8673"N	80°26'37.2488"W	4548.77	334.014	0.19	-0.09	0.17	
12378.00	89.830	334.390	7758.93	6412.92	4643.44	4174.63	-2033.98	1733803.51	378438.93	39°32'6.7106"N	80°26'37.7822"W	4643.77	334.024	0.57	-0.53	-0.24	
12473.00	89.940	334.600	7759.26	6413.28	4738.44	4260.37	-2074.88	1733762.60	378524.67	39°32'7.5537"N	80°26'38.3156"W	4738.70	334.033	0.39	0.33	0.22	
12568.00	89.810	334.430	7759.48	6413.43	4832.44	4345.23	-2115.03	1733722.16	378609.52	39°32'8.3882"N	80°26'38.8434"W	4832.76	334.042	0.23	-0.16	-0.16	
12663.00	89.780	334.350	7759.83	6413.83	4928.44	4431.79	-2156.82	1733680.66	378696.09	39°32'9.2394"N	80°26'39.3846"W	4928.76	334.048	0.09	-0.03	-0.08	
12758.00	90.080	334.720	7759.96	6413.96	5023.44	4517.56	-2197.67	1733639.81	378781.86	39°32'10.0829"N	80°26'39.9175"W	5023.75	334.058	0.49	0.29	0.39	
12853.00	89.940	334.790	7759.90	6413.96	5118.44	4603.49	-2238.19	1733599.30	378867.79	39°32'10.9279"N	80°26'40.4461"W	5118.75	334.071	0.15	-0.13	0.07	
12948.00	90.150	334.660	7759.80	6413.89	5213.44	4689.46	-2278.60	1733558.89	378953.76	39°32'11.7735"N	80°26'40.9735"W	5213.74	334.085	0.23	0.23	0.07	
13043.00	89.840	334.340	7759.89	6413.00	5308.44	4775.28	-2319.35	1733518.14	379039.58	39°32'12.6174"N	80°26'41.5051"W	5308.73	334.084	0.64	-0.23	-0.65	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [ft/100ft]	Comments
13138.00	89.940	334.570	7760.08	6414.08	5403.44	4860.99	-2360.31	1733477.17	379125.29	39°32'13.4602"N	80°26'42.0395"W	5403.73	334.101	0.26	0.11	0.24	
13233.00	90.180	334.670	7759.98	6413.98	5498.44	4946.82	-2401.03	1733436.45	379211.12	39°32'14.3043"N	80°26'42.5707"W	5498.73	334.110	0.27	0.25	0.11	
13327.00	90.000	334.600	7759.83	6413.83	5592.44	5031.76	-2441.30	1733395.19	379296.06	39°32'15.1396"N	80°26'43.0961"W	5592.72	334.118	0.21	-0.19	-0.07	
13422.00	89.690	334.060	7760.09	6414.09	5687.43	5117.38	-2482.45	1733355.03	379381.68	39°32'15.9816"N	80°26'43.6328"W	5687.72	334.122	0.66	-0.33	-0.57	
13517.00	89.810	334.530	7760.50	6414.80	5773.43	5202.99	-2523.54	1733313.84	379467.29	39°32'16.8332"N	80°26'44.1701"W	5773.72	334.125	0.53	0.18	0.62	
13612.00	89.870	334.490	7760.77	6414.77	5877.43	5288.75	-2564.51	1733272.98	379553.05	39°32'17.6667"N	80°26'44.7032"W	5877.72	334.131	0.09	0.06	-0.06	
13707.00	90.000	334.490	7760.87	6414.87	5972.43	5374.49	-2605.42	1733232.06	379638.79	39°32'18.5098"N	80°26'45.2368"W	5972.72	334.137	0.14	0.14	0.00	
13802.00	90.300	335.020	7760.83	6414.83	6067.43	5460.41	-2645.94	1733191.55	379724.71	39°32'19.3545"N	80°26'45.7658"W	6067.71	334.147	0.64	0.33	0.56	
13896.00	89.970	334.630	7760.40	6414.40	6161.43	5545.48	-2685.93	1733151.56	379809.78	39°32'20.1914"N	80°26'46.2875"W	6161.70	334.157	0.54	-0.35	-0.41	
13991.00	90.000	334.670	7760.43	6414.43	6256.43	5631.34	-2726.60	1733110.89	379895.83	39°32'21.0367"N	80°26'46.8102"W	6256.70	334.165	0.05	0.03	0.04	
14086.00	89.940	334.560	7760.48	6414.48	6351.43	5717.16	-2767.33	1733070.16	379981.46	39°32'21.8797"N	80°26'47.3495"W	6351.70	334.171	0.13	-0.06	-0.12	
14181.00	89.870	334.520	7760.64	6414.64	6446.43	5802.94	-2808.16	1733029.32	380067.24	39°32'22.7232"N	80°26'47.8823"W	6446.69	334.177	0.08	-0.07	-0.04	
14276.00	89.780	334.370	7760.93	6414.93	6541.42	5888.64	-2849.14	1732988.34	380152.94	39°32'23.5660"N	80°26'48.4169"W	6541.69	334.181	0.18	-0.09	-0.16	
14371.00	89.670	334.840	7761.22	6415.22	6636.42	5974.39	-2890.04	1732947.45	380238.69	39°32'24.4092"N	80°26'48.9504"W	6636.69	334.185	0.30	0.09	0.28	
14467.00	89.900	334.840	7761.41	6415.41	6732.42	6061.14	-2931.15	1732906.33	380325.44	39°32'25.2625"N	80°26'49.4865"W	6732.69	334.192	0.03	0.03	0.00	
14562.00	89.970	334.770	7761.52	6415.52	6827.42	6147.03	-2971.74	1732865.74	380411.33	39°32'26.1069"N	80°26'50.0166"W	6827.68	334.199	0.16	0.07	0.14	
14657.00	89.810	333.800	7761.70	6415.70	6922.42	6232.62	-3012.96	1732824.52	380496.92	39°32'26.9486"N	80°26'50.5542"W	6922.68	334.200	1.03	-0.17	-1.02	
14752.00	89.810	334.510	7762.01	6416.01	7017.41	6318.12	-3054.39	1732783.11	380582.42	39°32'27.7892"N	80°26'51.0944"W	7017.66	334.199	0.75	0.00	0.75	
14847.00	89.930	334.630	7762.23	6416.23	7112.41	6403.91	-3095.17	1732742.32	380668.21	39°32'28.6329"N	80°26'51.6266"W	7112.88	334.204	0.18	0.13	0.13	
14941.00	89.750	334.650	7762.40	6416.40	7206.41	6488.97	-3135.40	1732702.08	380753.17	39°32'29.4884"N	80°26'52.1512"W	7206.68	334.210	0.20	-0.10	0.06	
15036.00	89.900	334.590	7762.78	6416.78	7301.41	6574.74	-3176.04	1732661.45	380839.04	39°32'30.3128"N	80°26'52.6816"W	7301.67	334.216	0.16	0.16	-0.03	
15131.00	90.080	334.760	7762.79	6416.79	7396.41	6660.63	-3216.62	1732620.86	380924.93	39°32'31.1575"N	80°26'53.2114"W	7396.67	334.223	0.23	0.24	0.11	
15226.00	89.870	334.450	7762.82	6416.82	7491.41	6746.45	-3257.36	1732580.12	381010.75	39°32'32.0014"N	80°26'53.7430"W	7491.67	334.228	0.40	-0.23	-0.33	
15321.00	89.930	334.650	7762.99	6416.99	7586.41	6832.24	-3298.19	1732539.30	381096.53	39°32'32.8450"N	80°26'54.2757"W	7586.66	334.232	0.22	0.06	0.21	
15416.00	89.780	334.670	7763.27	6417.25	7681.41	6918.10	-3338.55	1732498.64	381182.39	39°32'33.6903"N	80°26'54.8003"W	7681.66	334.237	0.16	-0.16	0.09	
15511.00	89.840	334.680	7763.55	6417.55	7776.41	7003.96	-3379.48	1732458.01	381268.26	39°32'34.5338"N	80°26'55.3365"W	7776.66	334.242	0.06	0.06	0.01	
15606.00	89.560	334.580	7764.04	6418.04	7871.41	7089.80	-3420.19	1732417.30	381354.10	39°32'35.3779"N	80°26'55.8677"W	7871.65	334.247	0.31	-0.28	-0.11	
15701.00	89.500	334.450	7764.82	6418.82	7966.41	7175.55	-3461.06	1732376.43	381439.65	39°32'36.2211"N	80°26'56.4010"W	7966.66	334.250	0.15	-0.06	-0.14	
15795.00	89.690	333.960	7765.49	6419.49	8060.40	7260.19	-3501.96	1732335.52	381524.48	39°32'37.0533"N	80°26'56.9345"W	8060.65	334.250	0.56	0.20	-0.52	
15890.00	89.840	334.400	7765.88	6419.88	8155.39	7346.73	-3543.29	1732294.21	381610.03	39°32'37.8944"N	80°26'57.4735"W	8155.65	334.249	0.57	0.16	0.55	



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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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
15985.00	89.930	334.910	7766.07	6420.07	8250.39	7431.61	-3583.89	1732253.60	381695.91	39°32'38.7390"N	80°26'58.0034"W	8250.64	334.254	0.46	0.08	0.45	
16079.00	89.810	334.380	7766.28	6420.28	8344.39	7516.56	-3624.14	1732213.35	381780.85	39°32'39.5743"N	80°26'58.5287"W	8344.64	334.259	0.58	-0.13	-0.56	
16174.00	89.690	334.640	7766.69	6420.69	8439.39	7602.31	-3665.02	1732172.47	381866.60	39°32'40.4176"N	80°26'59.0621"W	8439.64	334.262	0.30	-0.13	0.27	
16269.00	89.780	335.080	7767.13	6421.13	8534.39	7688.31	-3705.38	1732132.11	381952.60	39°32'41.2633"N	80°26'59.5889"W	8534.63	334.266	0.47	0.09	0.48	
16365.00	89.950	334.730	7767.35	6421.35	8630.39	7775.25	-3746.10	1732091.39	382039.54	39°32'42.1183"N	80°27'0.1203"W	8630.63	334.270	0.41	0.15	-0.36	
16460.00	89.780	334.580	7767.57	6421.57	8725.39	7861.10	-3786.76	1732050.73	382125.40	39°32'42.9628"N	80°27'0.6610"W	8725.62	334.279	0.25	-0.15	-0.16	
16551.00	89.690	333.990	7768.00	6422.00	8819.38	7945.79	-3827.55	1732009.94	382210.09	39°32'43.7953"N	80°27'1.1831"W	8819.62	334.280	0.63	-0.10	-0.63	
16649.00	89.900	334.360	7768.34	6422.34	8914.38	8031.30	-3868.93	1731968.56	382295.60	39°32'44.6361"N	80°27'1.7229"W	8914.62	334.278	0.45	0.22	0.35	
16744.00	89.960	334.690	7768.46	6422.46	9009.38	8117.07	-3909.79	1731927.70	382381.36	39°32'45.4795"N	80°27'2.2561"W	9009.62	334.281	0.35	0.06	0.35	
16839.00	89.960	334.480	7768.55	6422.55	9104.38	8202.87	-3950.56	1731886.92	382467.17	39°32'46.3233"N	80°27'2.7882"W	9104.60	334.284	0.22	0.03	-0.22	
16902.98†	89.263	334.344	7769.00	6423.00	9168.38	8260.58	-3978.20	1731859.29	382524.87	39°32'46.8907"N	80°27'3.1487"W	9168.00	334.285	1.06	-1.04	-0.21	Onondaga
16933.00	88.950	334.280	7769.47	6423.47	9198.37	8267.63	-3991.21	1731846.28	382551.92	39°32'47.1567"N	80°27'3.3184"W	9198.61	334.285	1.06	-1.04	-0.21	
17028.00	89.780	335.590	7770.52	6424.52	9293.36	8373.67	-4031.45	1731806.04	382637.97	39°32'48.0029"N	80°27'3.6438"W	9293.60	334.292	1.63	0.67	1.38	
17124.00	90.090	335.870	7770.63	6424.63	9389.35	8461.19	-4070.91	1731766.58	382725.48	39°32'48.8837"N	80°27'4.3593"W	9389.57	334.307	0.44	0.32	0.29	
17219.00	90.150	335.950	7770.43	6424.43	9484.38	8547.91	-4109.69	1731727.80	382812.21	39°32'49.7188"N	80°27'4.8660"W	9484.51	334.313	0.11	0.03	0.03	
17314.00	90.020	335.750	7770.29	6424.29	9579.31	8634.60	-4148.55	1731688.94	382898.89	39°32'50.5694"N	80°27'5.3739"W	9579.50	334.338	0.25	-0.14	-0.21	
17409.00	89.900	335.660	7770.36	6424.36	9674.29	8721.18	-4187.64	1731649.85	382986.48	39°32'51.4211"N	80°27'5.8846"W	9674.47	334.351	0.16	-0.13	-0.08	
17504.00	90.050	335.690	7770.40	6424.40	9769.28	8807.75	-4226.77	1731610.72	383072.04	39°32'52.2726"N	80°27'6.3958"W	9769.45	334.364	0.16	0.16	0.03	
17599.00	90.020	335.590	7770.34	6424.34	9864.26	8894.29	-4265.95	1731571.53	383158.59	39°32'53.1238"N	80°27'6.9077"W	9864.42	334.376	0.11	-0.03	-0.11	
17694.00	90.060	335.750	7770.25	6424.25	9959.25	8980.85	-4305.09	1731532.38	383245.15	39°32'53.9752"N	80°27'7.4191"W	9959.40	334.389	0.18	0.07	0.17	
17789.00	90.180	335.760	7770.02	6424.02	10054.23	9067.46	-4344.10	1731493.38	383331.77	39°32'54.8272"N	80°27'7.9286"W	10054.37	334.402	0.10	0.03	0.01	
17884.00	90.090	335.420	7769.80	6423.80	10149.22	9153.98	-4383.36	1731454.12	383418.28	39°32'55.6781"N	80°27'8.4417"W	10149.35	334.413	0.37	-0.03	-0.36	
17980.00	90.090	335.760	7769.65	6423.65	10245.21	9241.40	-4423.04	1731414.45	383505.69	39°32'56.5379"N	80°27'8.9600"W	10245.33	334.424	0.35	0.00	0.35	
18075.00	89.990	335.760	7769.58	6423.58	10340.19	9328.03	-4462.04	1731375.45	383592.32	39°32'57.3899"N	80°27'9.4686"W	10340.30	334.436	0.11	-0.11	0.00	
18170.00	90.210	335.730	7769.42	6423.42	10435.18	9414.64	-4501.07	1731336.42	383678.84	39°32'58.2416"N	80°27'9.9785"W	10435.26	334.448	0.23	0.23	-0.03	
18264.00	89.840	335.460	7769.36	6423.36	10529.17	9500.24	-4539.91	1731297.58	383764.53	39°32'59.0838"N	80°27'10.4869"W	10529.26	334.458	0.49	-0.39	-0.29	
18360.00	89.680	335.410	7769.78	6423.78	10625.16	9587.55	-4579.81	1731257.67	383851.84	39°32'59.9426"N	80°27'11.0052"W	10625.25	334.467	0.17	-0.17	-0.05	
18455.00	89.620	334.820	7770.36	6424.36	10720.16	9673.73	-4619.79	1731217.70	383938.02	39°33'0.7901"N	80°27'11.5302"W	10720.24	334.473	0.62	-0.06	-0.62	
18550.00	89.720	335.050	7770.91	6424.91	10816.15	9759.79	-4660.03	1731177.46	384024.09	39°33'1.6364"N	80°27'12.0555"W	10816.23	334.477	0.27	0.12	0.25	
18645.00	89.880	335.500	7771.40	6425.40	10910.14	9846.03	-4699.75	1731137.73	384110.37	39°33'2.4661"N	80°27'12.5744"W	10910.22	334.484	0.47	-0.04	0.43	



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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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 (°)	OLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
18740.00	89.900	335.950	7771.75	6425.75	11005.13	8932.86	-4736.81	1731098.68	384195.97	39°33'3.3369"N	80°27'13.0847"W	11005.20	334.495	0.53	0.23	0.47	
18835.00	89.680	335.510	7772.30	6426.10	11100.11	10019.28	-4777.86	1731059.63	384283.57	39°33'4.1887"N	80°27'13.5949"W	11100.18	334.505	0.52	-0.23	-0.48	
18930.00	89.750	335.510	7772.57	6426.57	11195.10	10105.73	-4817.24	1731020.25	384370.02	39°33'5.0390"N	80°27'14.1094"W	11195.16	334.514	0.07	0.07	0.00	
19025.00	89.810	335.530	7772.94	6426.94	11290.09	10192.23	-4858.53	1730980.96	384456.52	39°33'5.8897"N	80°27'14.6227"W	11290.14	334.523	0.14	0.06	0.13	
19120.00	89.870	335.770	7773.20	6427.20	11385.07	10278.81	-4895.62	1730941.87	384543.10	39°33'6.7413"N	80°27'15.1335"W	11385.12	334.532	0.16	0.06	0.15	
19215.00	89.950	336.050	7773.32	6427.32	11480.06	10365.47	-4934.55	1730902.94	384629.76	39°33'7.5937"N	80°27'15.6422"W	11480.10	334.543	0.15	0.13	0.08	
19310.00	89.930	335.800	7773.38	6427.38	11575.04	10452.14	-4973.45	1730884.04	384716.42	39°33'8.4462"N	80°27'16.1507"W	11575.08	334.553	0.06	-0.08	-0.05	
19405.00	89.990	335.610	7773.45	6427.45	11670.02	10538.72	-5012.54	1730824.95	384803.01	39°33'9.2978"N	80°27'16.6614"W	11670.06	334.563	0.21	0.06	-0.20	
19500.00	89.930	335.810	7773.52	6427.52	11765.01	10625.31	-5051.62	1730785.87	384889.60	39°33'10.1495"N	80°27'17.1720"W	11765.04	334.572	0.22	-0.08	0.21	
19595.00	89.920	335.750	7773.56	6427.56	11853.99	10711.95	-5090.69	1730746.90	384976.24	39°33'11.0117"N	80°27'17.6811"W	11854.02	334.582	0.11	0.09	-0.06	
19691.00	89.840	335.410	7773.68	6427.68	11955.99	10799.36	-5130.28	1730707.21	385063.65	39°33'11.8615"N	80°27'18.1999"W	11956.00	334.590	0.40	-0.19	-0.35	
19785.00	89.870	335.700	7773.91	6427.91	12049.97	10884.94	-5169.18	1730668.31	385149.22	39°33'12.7031"N	80°27'18.7081"W	12049.99	334.597	0.31	0.03	0.31	
19880.00	89.980	335.960	7774.03	6428.03	12144.95	10971.61	-5208.08	1730629.41	385235.89	39°33'13.5556"N	80°27'19.2165"W	12144.97	334.607	0.30	0.13	0.27	
19975.00	89.900	335.900	7774.12	6428.12	12239.93	11058.35	-5248.82	1730590.67	385322.63	39°33'14.4088"N	80°27'19.7229"W	12239.94	334.617	0.11	-0.09	-0.06	
20071.00	89.930	335.650	7774.29	6428.29	12335.91	11145.89	-5288.21	1730551.28	385410.18	39°33'15.2689"N	80°27'20.2377"W	12335.92	334.626	0.20	0.00	-0.28	
20165.00	90.420	335.850	7774.03	6428.03	12429.90	11231.80	-5324.82	1730512.67	385496.89	39°33'16.1129"N	80°27'20.7422"W	12429.90	334.635	0.59	0.55	0.21	
20261.00	90.330	334.750	7773.40	6427.40	12525.89	11318.81	-5364.94	1730472.58	385583.10	39°33'16.9707"N	80°27'21.2562"W	12525.89	334.640	0.31	0.00	-0.31	
20358.00	90.330	334.460	7772.85	6426.85	12620.88	11404.63	-5405.68	1730431.82	385668.92	39°33'17.8145"N	80°27'21.7980"W	12620.89	334.640	0.31	0.00	-0.31	
20451.00	89.880	334.120	7772.84	6426.84	12715.88	11490.22	-5446.89	1730390.60	385754.51	39°33'18.6562"N	80°27'22.3357"W	12715.89	334.637	0.77	-0.68	-0.36	
20545.00	89.850	334.100	7773.52	6427.52	12810.87	11575.11	-5488.32	1730349.17	385840.00	39°33'19.4957"N	80°27'22.8784"W	12810.88	334.633	0.19	-0.18	0.04	
20641.00	89.780	334.390	7774.12	6428.12	12905.87	11661.29	-5529.56	1730307.93	385925.58	39°33'20.3362"N	80°27'23.4144"W	12905.88	334.631	0.38	0.29	0.24	
20737.00	89.680	334.650	7774.57	6428.57	13001.87	11747.95	-5570.86	1730266.64	386012.24	39°33'21.1903"N	80°27'23.9535"W	13001.88	334.630	0.29	-0.10	0.27	
20832.00	89.620	334.410	7775.35	6429.35	13096.87	11833.72	-5611.71	1730225.78	386098.00	39°33'22.0337"N	80°27'24.4867"W	13096.88	334.628	0.26	-0.08	-0.25	
20926.00	89.800	334.650	7775.55	6429.55	13190.86	11918.58	-5652.13	1730185.36	386182.87	39°33'22.8681"N	80°27'25.0143"W	13190.88	334.628	0.39	0.30	0.26	
21022.00	89.560	334.930	7775.64	6429.64	13286.86	12005.95	-5693.20	1730144.22	386269.64	39°33'23.7214"N	80°27'25.5505"W	13286.88	334.624	0.10	-0.08	0.01	
21117.00	89.900	334.700	7775.73	6429.73	13381.88	12091.24	-5733.81	1730103.68	386355.52	39°33'24.5659"N	80°27'26.0806"W	13381.88	334.629	0.10	-0.08	0.01	
21212.00	90.020	334.730	7775.80	6429.80	13476.86	12177.14	-5774.39	1730063.11	386441.42	39°33'25.4106"N	80°27'26.5103"W	13476.87	334.630	0.13	0.13	0.03	
21307.00	89.990	334.560	7775.79	6429.79	13571.86	12262.98	-5815.07	1730022.42	386527.27	39°33'26.2548"N	80°27'27.1414"W	13571.87	334.630	0.18	-0.03	-0.18	
21403.00	89.960	334.700	7775.83	6429.83	13667.88	12349.73	-5856.20	1729981.29	386614.01	39°33'27.1078"N	80°27'27.6784"W	13667.87	334.630	0.15	-0.03	0.15	
21498.97	90.020	334.810	7775.86	6429.86	13762.86	12436.85	-5896.72	1729940.77	386699.94	39°33'27.9527"N	80°27'28.2073"W	13762.87	334.631	0.13	-0.06	0.12	Deepest Point of Well



Actual Wellpath Report

Carnegie 9H Proj: 26231'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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 (°)	OLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
21593.00	90.020	334.670	7775.81	6429.81	13857.86	12521.57	-5937.26	1729800.24	386785.85	39°33'28.7976"N	80°27'28.7288"W	13857.87	334.631	0.15	0.00	-0.18	
21688.00	90.180	334.530	7775.65	6429.65	13952.88	12607.39	-5978.00	1729859.49	386871.87	39°33'29.6414"N	80°27'29.2686"W	13952.87	334.631	0.22	0.17	-0.15	
21783.00	90.300	334.690	7775.25	6429.25	14047.86	12683.21	-6018.74	1729818.75	386957.49	39°33'30.4854"N	80°27'29.8003"W	14047.87	334.631	0.21	0.13	0.17	
21878.00	90.240	334.660	7774.80	6428.80	14142.86	12779.08	-6059.37	1729778.12	387043.36	39°33'31.3297"N	80°27'30.3308"W	14142.87	334.631	0.07	-0.06	-0.03	
21973.00	90.070	334.600	7774.30	6428.30	14237.56	12864.91	-6100.06	1729737.41	387129.20	39°33'32.1138"N	80°27'30.8552"W	14237.87	334.631	0.07	0.02	-0.06	
22068.00	90.180	334.560	7774.01	6428.01	14332.86	12950.72	-6140.86	1729696.64	387215.00	39°33'33.0175"N	80°27'31.3945"W	14332.87	334.631	0.10	-0.09	-0.04	
22163.00	90.360	334.580	7773.56	6427.56	14427.86	13036.51	-6181.65	1729655.84	387300.80	39°33'33.9811"N	80°27'31.9271"W	14427.87	334.631	0.19	0.19	0.02	
22258.00	90.330	334.430	7772.99	6426.99	14522.85	13122.26	-6222.54	1729614.95	387386.54	39°33'34.7043"N	80°27'32.4608"W	14522.87	334.630	0.16	-0.03	-0.18	
22353.00	90.240	334.660	7772.51	6426.51	14617.85	13208.04	-6263.37	1729574.12	387472.32	39°33'35.5477"N	80°27'32.9938"W	14617.87	334.629	0.26	-0.09	0.24	
22448.00	90.210	334.520	7772.18	6426.18	14712.85	13293.84	-6304.13	1729533.56	387558.15	39°33'36.3815"N	80°27'33.5200"W	14712.87	334.629	0.18	-0.02	-0.15	
22543.00	90.300	334.800	7771.72	6425.72	14807.85	13379.83	-6344.94	1729492.55	387643.92	39°33'37.2351"N	80°27'34.0587"W	14807.86	334.629	0.13	0.05	0.06	
22638.00	90.450	334.930	7771.10	6425.10	14902.85	13465.58	-6385.44	1729452.05	387729.85	39°33'38.0801"N	80°27'34.5875"W	14902.86	334.629	0.38	0.16	0.35	
22732.00	90.210	334.670	7770.55	6424.55	14996.85	13550.82	-6425.47	1729412.03	387814.90	39°33'38.9164"N	80°27'35.1101"W	14996.86	334.631	0.39	-0.26	-0.25	
22826.00	90.360	334.550	7770.08	6424.08	15092.85	13637.34	-6466.63	1729370.87	387901.62	39°33'39.7692"N	80°27'35.6475"W	15092.86	334.630	0.20	0.16	-0.12	
22922.00	90.850	334.620	7769.79	6423.79	15186.85	13722.24	-6506.97	1729330.62	387986.83	39°33'40.6041"N	80°27'36.1742"W	15186.86	334.630	0.40	-0.39	0.07	
23017.00	90.170	334.640	7769.66	6423.66	15281.85	13808.08	-6547.67	1729289.82	388072.37	39°33'41.4482"N	80°27'36.7056"W	15281.86	334.630	0.19	0.19	0.02	
23112.00	89.950	334.620	7769.55	6423.55	15376.85	13893.92	-6588.38	1729249.12	388158.20	39°33'42.2922"N	80°27'37.2370"W	15376.86	334.630	0.22	-0.22	-0.02	
23207.00	90.060	334.590	7769.52	6423.52	15471.85	13979.74	-6629.12	1729208.38	388244.02	39°33'43.1361"N	80°27'37.7880"W	15471.86	334.630	0.13	0.13	-0.03	
23302.00	90.210	334.630	7769.28	6423.28	15566.85	14065.58	-6669.85	1729167.64	388329.85	39°33'43.9800"N	80°27'38.3008"W	15566.86	334.630	0.14	0.14	0.04	
23397.00	90.090	334.550	7769.06	6423.06	15661.85	14151.41	-6710.54	1729126.95	388415.83	39°33'44.8241"N	80°27'38.8320"W	15661.86	334.630	0.17	-0.17	0.02	
23492.00	90.140	334.460	7768.90	6422.90	15756.84	14237.19	-6751.36	1729086.14	388501.48	39°33'45.6677"N	80°27'39.3649"W	15756.85	334.629	0.22	0.09	-0.20	
23587.00	90.210	334.440	7768.61	6422.61	15851.84	14322.90	-6792.33	1729045.16	388587.19	39°33'46.5104"N	80°27'39.8997"W	15851.86	334.628	0.09	0.07	-0.02	
23682.00	90.300	334.600	7768.19	6422.19	15946.84	14408.66	-6833.20	1729004.30	388672.94	39°33'47.3537"N	80°27'40.4333"W	15946.85	334.628	0.19	0.09	0.17	
23777.00	90.360	334.900	7767.64	6421.64	16041.84	14494.58	-6873.72	1728963.77	388758.87	39°33'48.1986"N	80°27'40.9624"W	16041.85	334.628	0.32	0.06	0.32	
23872.00	90.170	334.840	7767.20	6421.20	16136.84	14580.59	-6914.07	1728923.43	388844.87	39°33'49.0443"N	80°27'41.4883"W	16136.85	334.630	0.27	-0.20	-0.06	
23967.00	90.240	334.650	7766.86	6420.86	16231.84	14666.51	-6954.60	1728882.90	388930.79	39°33'49.8892"N	80°27'42.0186"W	16231.85	334.631	0.21	0.07	-0.20	
24062.00	90.330	334.780	7766.39	6420.39	16326.84	14752.41	-6995.17	1728842.32	389016.68	39°33'50.7339"N	80°27'42.5484"W	16326.85	334.631	0.17	0.08	0.14	
24157.00	90.420	334.820	7765.77	6419.77	16421.83	14838.36	-7035.62	1728801.87	389102.65	39°33'51.5791"N	80°27'43.0766"W	16421.85	334.632	0.10	0.09	0.04	
24252.00	90.330	334.650	7765.15	6419.15	16516.83	14924.28	-7076.17	1728761.33	389188.56	39°33'52.4239"N	80°27'43.6061"W	16516.84	334.633	0.20	-0.09	-0.18	
24347.00	90.330	334.670	7764.00	6418.00	16611.83	15010.13	-7116.82	1728720.67	389274.41	39°33'53.2682"N	80°27'44.1369"W	16611.84	334.633	0.02	0.00	0.02	



Actual Wellpath Report

Carnegie 9H Proj: 26231'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

WELLPATH DATA (290 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
24442.00	90.330	334.600	7764.05	6418.05	16706.83	15095.97	-7157.52	1728679.97	389360.25	39°33'54.1122"N	80°27'44.6683"W	16706.84	334.633	0.07	0.00	-0.07	
24538.00	90.270	334.610	7763.55	6417.55	16802.83	15182.70	-7198.69	1728638.80	389446.98	39°33'54.9650"N	80°27'45.2059"W	16802.84	334.633	0.06	-0.06	0.01	
24632.00	90.480	334.840	7762.94	6416.94	16896.83	15267.70	-7238.82	1728598.67	389531.98	39°33'55.8008"N	80°27'45.7300"W	16896.84	334.633	0.33	0.22	0.24	
24727.00	90.300	334.990	7762.29	6416.29	16991.82	15353.73	-7279.10	1728558.40	389618.01	39°33'56.6469"N	80°27'46.2560"W	16991.83	334.635	0.25	-0.19	0.16	
24822.00	90.270	334.510	7761.82	6415.82	17086.82	15439.86	-7319.62	1728517.87	389703.93	39°33'57.4917"N	80°27'46.7852"W	17086.83	334.635	0.51	-0.03	-0.51	
24918.00	89.900	334.120	7761.67	6415.67	17182.82	15526.17	-7361.23	1728476.26	389790.45	39°33'58.3424"N	80°27'47.3283"W	17182.83	334.634	0.56	-0.39	-0.41	
25013.00	90.540	334.550	7761.31	6415.31	17277.82	15611.80	-7402.38	1728435.12	389876.07	39°33'59.1843"N	80°27'47.8654"W	17277.83	334.632	0.81	0.67	0.45	
25108.00	90.390	334.750	7760.54	6414.54	17372.81	15697.64	-7443.05	1728394.45	389961.92	39°34'0.0284"N	80°27'48.3965"W	17372.82	334.632	0.26	-0.16	0.21	
25203.00	90.420	334.550	7759.87	6413.87	17467.81	15783.50	-7483.72	1728353.77	390047.77	39°34'0.8726"N	80°27'48.9276"W	17467.82	334.632	0.21	0.03	-0.21	
25299.00	90.385	335.010	7759.22	6413.22	17562.81	15869.44	-7524.20	1728313.30	390133.72	39°34'1.7177"N	80°27'49.4563"W	17562.82	334.633	0.49	-0.06	0.48	
25392.00	90.200	335.670	7758.76	6412.76	17656.80	15954.86	-7563.42	1728274.08	390219.14	39°34'2.5578"N	80°27'49.9688"W	17656.81	334.637	0.72	-0.17	0.70	
25487.00	90.420	335.900	7758.25	6412.25	17751.78	16041.50	-7602.38	1728235.11	390305.78	39°34'3.4100"N	80°27'50.4782"W	17751.79	334.643	0.34	0.23	0.24	
25582.00	90.390	335.650	7757.57	6411.57	17846.76	16128.13	-7641.36	1728196.13	390392.41	39°34'4.2621"N	80°27'50.9878"W	17846.77	334.649	0.27	-0.03	-0.26	
25677.00	90.330	334.700	7756.98	6410.98	17941.76	16214.35	-7681.25	1728156.25	390478.63	39°34'5.1100"N	80°27'51.5089"W	17941.76	334.652	1.00	-0.06	-1.00	
25867.00	89.900	335.270	7756.60	6410.60	18131.75	16386.53	-7761.59	1728075.91	390650.81	39°34'6.8031"N	80°27'52.5584"W	18131.76	334.655	0.38	-0.23	0.30	
25962.00	89.960	335.650	7756.71	6410.71	18226.74	16472.95	-7801.04	1728036.45	390737.23	39°34'7.6530"N	80°27'53.0741"W	18226.75	334.659	0.40	0.06	0.40	
26057.00	90.080	335.530	7756.68	6410.68	18321.73	16559.46	-7840.30	1727997.19	390823.73	39°34'8.5038"N	80°27'53.5873"W	18321.73	334.664	0.18	0.13	-0.13	
26120.00	90.540	335.520	7756.34	6410.34	18384.72	16616.79	-7866.40	1727971.09	390881.07	39°34'9.0677"N	80°27'53.9284"W	18384.73	334.667	0.73	0.73	-0.02	
26206.00	91.100	335.830	7755.11	6409.11	18470.70	16695.15	-7901.83	1727935.67	390959.43	39°34'9.8384"N	80°27'54.3915"W	18470.70	334.672	0.74	0.65	0.36	Final Survey
26231.00†	91.100	335.830	7754.63	6408.63	18495.69	16717.96	-7912.06	1727925.44	390982.23	39°34'10.0627"N	80°27'54.5253"W	18495.69	334.673	0.03	0.00	0.00	Projection to TD



Actual Wellpath Report

Carnegie 9H Proj: 26231'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 9H
Field	Marion	API	47-049-02524
Facility	Carnegie Pad	Wellbore	Carnegie 9H
Slot	Slot 09		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Carnegie 9H - BHL	7727.00	16721.02	-7905.18	1727932.31	390985.30	39°34'10.0937"N	80°27'54.4379"W	point
Carnegie 9H - LP	7727.00	307.49	-250.71	1735586.77	374571.80	39°31'28.6749"N	80°26'14.5069"W	point

WELLPATH COMPOSITION - Ref Wellbore: Carnegie 9H Ref Wellpath: Carnegie 9H Proj: 26231'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2621.00	BH Generic gyro - northseeking (Standard)	01 Gyro	Carnegie 9H	4/24/2024
2621.00	7059.00	OWSG MWD rev2 - Standard	02 SDI MWD	Carnegie 9H	4/24/2024
7059.00	26231.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8 1/2">(7068" - 26206")	Carnegie 9H	5/29/2024

09/26/2025