



Actual Wellpath Report

Carnegie 15H Proj: 27052'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Deergai
Scale	0.999942	Report Generated	6/28/2024 at 3:37:23 PM
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	102.73	21.70	1735846.78	374308.34	39°31'26.0978"N	80°26'11.1538"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 15)	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	343.85°



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WELLPATH DATA (299 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	293.340	0.00	-1346.00	0.00	0.00	0.00	1735846.78	374308.34	39°31'26.0978"N	80°26'11.1538"W	0.00	0.000	0.00	0.00	0.00	
28.00	0.000	293.340	28.00	-1318.00	0.00	0.00	0.00	1735846.78	374308.34	39°31'26.0978"N	80°26'11.1538"W	0.00	0.000	0.00	0.00	0.00	
115.00	0.410	293.340	115.00	-1231.00	0.20	0.12	-0.29	1735846.49	374308.46	39°31'26.0990"N	80°26'11.1575"W	0.31	293.340	0.47	0.47	0.00	01 Gyro
215.00	0.250	272.750	215.00	-1131.00	0.50	0.28	-0.83	1735845.95	374308.62	39°31'26.1005"N	80°26'11.1645"W	0.88	288.319	0.20	-0.16	-20.59	
315.00	0.050	291.020	315.00	-1031.00	0.59	0.30	-1.09	1735845.69	374308.64	39°31'26.1007"N	80°26'11.1679"W	1.13	285.458	0.20	-0.20	18.27	
415.00	0.110	194.130	415.00	-931.00	0.54	0.22	-1.16	1735845.62	374308.56	39°31'26.0999"N	80°26'11.1686"W	1.18	280.986	0.13	0.06	-96.89	
515.00	0.060	159.120	515.00	-831.00	0.40	0.08	-1.16	1735845.62	374308.42	39°31'26.0985"N	80°26'11.1686"W	1.16	274.055	0.07	-0.05	-35.01	
615.00	0.160	152.500	615.00	-731.00	0.21	-0.09	-1.08	1735845.70	374308.25	39°31'26.0968"N	80°26'11.1676"W	1.08	265.192	0.10	0.10	-6.62	
715.00	0.330	118.330	715.00	-631.00	-0.13	-0.35	-0.76	1735846.02	374307.99	39°31'26.0943"N	80°26'11.1635"W	0.84	245.170	0.22	0.17	-34.17	
815.00	0.340	111.020	814.99	-531.01	-0.51	-0.59	-0.23	1735846.55	374307.75	39°31'26.0919"N	80°26'11.1567"W	0.64	201.017	0.04	0.01	-7.31	
915.00	0.050	179.200	914.99	-431.01	-0.73	-0.74	0.05	1735846.83	374307.60	39°31'26.0905"N	80°26'11.1531"W	0.75	176.210	0.32	-0.29	68.18	
1015.00	0.030	64.460	1014.99	-331.01	-0.77	-0.78	0.07	1735846.85	374307.56	39°31'26.0902"N	80°26'11.1528"W	0.78	174.591	0.07	-0.02	-114.74	
1115.00	0.150	194.870	1114.99	-231.01	-0.87	-0.89	0.06	1735846.84	374307.45	39°31'26.0890"N	80°26'11.1529"W	0.89	175.923	0.17	0.12	130.41	
1215.00	0.190	140.980	1214.99	-131.01	-1.14	-1.15	0.13	1735846.91	374307.19	39°31'26.0865"N	80°26'11.1520"W	1.15	173.320	0.16	0.04	-53.89	
1315.00	0.200	136.390	1314.99	-31.01	-1.45	-1.40	0.36	1735847.14	374306.94	39°31'26.0840"N	80°26'11.1490"W	1.45	165.531	0.02	0.01	-5.59	
1415.00	0.280	136.520	1414.99	68.99	-1.82	-1.70	0.65	1735847.43	374306.64	39°31'26.0811"N	80°26'11.1453"W	1.82	159.036	0.08	0.08	1.13	
1515.00	0.450	122.470	1514.99	168.99	-2.33	-2.09	1.15	1735847.93	374306.25	39°31'26.0773"N	80°26'11.1389"W	2.39	151.146	0.19	0.17	-14.05	
1615.00	0.520	104.100	1614.99	268.99	-2.85	-2.41	1.92	1735848.70	374305.93	39°31'26.0742"N	80°26'11.1290"W	3.08	141.429	0.17	0.07	-18.37	
1715.00	0.690	102.560	1714.98	368.98	-3.33	-2.64	2.87	1735849.65	374305.70	39°31'26.0721"N	80°26'11.1168"W	3.90	132.522	0.08	0.08	-1.54	
1815.00	0.420	119.010	1814.98	468.98	-3.84	-2.93	3.71	1735850.49	374305.41	39°31'26.0693"N	80°26'11.1062"W	4.72	128.307	0.23	-0.18	18.45	
1915.00	0.550	153.330	1914.97	568.97	-4.57	-3.53	4.24	1735851.02	374304.81	39°31'26.0633"N	80°26'11.0992"W	5.52	129.799	0.31	0.13	34.32	
2015.00	0.430	180.650	2014.97	668.97	-5.41	-4.34	4.45	1735851.23	374304.00	39°31'26.0554"N	80°26'11.0964"W	6.22	134.252	0.26	-0.12	27.32	
2115.00	0.470	164.420	2114.97	768.97	-6.17	-5.11	4.58	1735851.34	374303.23	39°31'26.0478"N	80°26'11.0950"W	6.85	138.254	0.13	0.04	-16.23	
2215.00	0.500	145.620	2214.96	868.96	-7.00	-5.86	4.92	1735851.70	374302.48	39°31'26.0404"N	80°26'11.0903"W	7.65	140.028	0.16	0.03	-18.80	
2315.00	0.210	168.630	2314.96	968.96	-7.60	-6.40	5.21	1735851.99	374301.94	39°31'26.0351"N	80°26'11.0865"W	8.25	140.877	0.31	-0.29	20.23	
2415.00	0.180	147.770	2414.96	1068.96	-7.93	-6.71	5.33	1735852.11	374301.63	39°31'26.0320"N	80°26'11.0849"W	8.57	141.520	0.07	-0.03	-18.08	
2515.00	0.200	132.410	2514.96	1168.96	-8.23	-6.96	5.55	1735852.33	374301.38	39°31'26.0296"N	80°26'11.0821"W	8.90	141.452	0.05	0.02	-15.36	
2615.00	0.320	144.390	2614.96	1268.96	-8.64	-7.31	5.84	1735852.62	374301.03	39°31'26.0262"N	80°26'11.0783"W	9.35	141.372	0.13	0.12	11.98	
2619.00	0.320	144.390	2618.96	1272.96	-8.66	-7.33	5.85	1735852.63	374301.01	39°31'26.0260"N	80°26'11.0782"W	9.38	141.379	0.00	0.00	0.00	
2753.00	0.280	84.640	2752.98	1406.98	-9.07	-7.60	6.37	1735853.15	374300.74	39°31'26.0234"N	80°26'11.0715"W	9.92	140.024	0.22	-0.04	-44.58	02 SDI MWD



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Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
2796.00	0.310	108.600	2795.96	1449.96	-9.16	-7.63	6.58	1735853.36	374300.71	39°31'26.0231"N	80°26'11.0688"W	10.07	139.223	0.30	0.12	55.72	KOP
2840.00	0.940	82.190	2839.95	1493.95	-9.28	-7.62	7.05	1735853.83	374300.72	39°31'26.0233"N	80°26'11.0628"W	10.38	137.216	1.54	1.43	-60.02	
2883.00	2.350	84.730	2882.94	1536.94	-9.50	-7.49	8.28	1735855.06	374300.85	39°31'26.0247"N	80°26'11.0472"W	11.16	132.137	3.28	3.28	5.91	
2926.00	3.840	79.070	2925.87	1579.87	-9.79	-7.14	10.57	1735857.35	374301.20	39°31'26.0284"N	80°26'11.0180"W	12.75	124.022	3.53	3.47	-13.16	
2970.00	5.350	81.590	2969.73	1623.73	-10.20	-6.56	14.05	1735860.83	374301.78	39°31'26.0345"N	80°26'10.9737"W	15.50	115.021	3.46	3.43	5.73	
3013.00	6.020	82.790	3012.52	1666.52	-10.82	-5.98	18.27	1735865.05	374302.36	39°31'26.0406"N	80°26'10.9199"W	19.22	108.127	1.58	1.56	2.79	
3056.00	5.690	85.530	3055.29	1709.29	-11.61	-5.53	22.63	1735869.41	374302.81	39°31'26.0455"N	80°26'10.8643"W	23.29	103.734	1.01	-0.77	6.37	
3099.00	5.530	85.670	3098.09	1752.09	-12.46	-5.21	26.82	1735873.60	374303.13	39°31'26.0491"N	80°26'10.8109"W	27.32	100.989	0.37	-0.31	0.33	
3142.00	6.120	85.310	3140.87	1794.87	-13.34	-4.86	31.17	1735877.95	374303.48	39°31'26.0530"N	80°26'10.7554"W	31.55	98.870	1.37	1.37	-0.84	
3185.00	7.580	84.950	3184.55	1838.55	-14.37	-4.42	36.40	1735883.18	374303.92	39°31'26.0579"N	80°26'10.6988"W	36.87	96.919	3.32	3.32	-0.82	
3229.00	8.800	82.080	3227.11	1881.11	-15.38	-3.71	42.48	1735889.26	374304.63	39°31'26.0655"N	80°26'10.6112"W	42.64	94.996	2.99	2.84	-6.67	
3272.00	9.880	78.230	3269.54	1923.54	-16.14	-2.51	48.35	1735896.13	374305.83	39°31'26.0781"N	80°26'10.5237"W	49.41	92.909	2.90	2.51	-8.95	
3316.00	10.020	74.720	3312.88	1966.88	-16.48	-0.73	56.74	1735903.52	374307.61	39°31'26.0965"N	80°26'10.4297"W	56.74	90.736	1.41	0.32	-7.98	
3402.00	11.100	73.350	3397.42	2051.42	-16.53	3.61	71.89	1735918.67	374311.95	39°31'26.1409"N	80°26'10.2369"W	71.98	87.123	1.29	1.26	-1.58	
3489.00	12.360	78.020	3482.80	2136.80	-16.81	8.26	88.95	1735935.73	374316.60	39°31'26.1886"N	80°26'10.0198"W	86.33	84.594	1.58	1.45	3.06	
3575.00	14.600	76.210	3566.23	2220.23	-17.60	13.07	108.41	1735955.19	374321.41	39°31'26.2382"N	80°26'9.7721"W	109.19	83.126	2.61	2.60	0.22	
3661.00	16.900	76.820	3648.99	2302.99	-18.70	18.50	131.11	1735977.89	374326.84	39°31'26.2942"N	80°26'9.4832"W	132.41	81.967	2.68	2.67	0.71	
3748.00	19.810	76.330	3731.61	2385.61	-19.98	24.84	157.61	1736004.39	374333.18	39°31'26.3595"N	80°26'9.1458"W	159.56	81.044	3.12	3.11	-0.56	
3834.00	22.460	74.850	3811.87	2465.87	-20.89	32.54	187.50	1736034.28	374340.88	39°31'26.4388"N	80°26'8.7655"W	180.30	80.153	3.37	3.31	-1.72	
3920.00	25.180	74.170	3890.54	2544.54	-21.28	41.83	220.96	1736067.74	374350.17	39°31'26.5340"N	80°26'8.3396"W	224.89	79.281	3.16	3.16	-0.78	
4006.00	28.950	73.190	3967.79	2621.79	-21.16	52.46	257.22	1736104.00	374360.80	39°31'26.6428"N	80°26'7.8783"W	262.52	78.473	2.12	2.06	-1.14	
4093.00	28.320	72.000	4044.86	2698.86	-20.27	64.54	295.72	1736142.60	374372.88	39°31'26.7681"N	80°26'7.3886"W	302.68	77.689	1.70	1.57	-1.37	
4178.00	28.540	70.070	4120.49	2774.49	-18.25	77.84	334.44	1736181.22	374388.18	39°31'26.9016"N	80°26'6.8963"W	343.38	76.897	1.10	0.28	-2.24	
4266.00	30.430	69.480	4198.22	2850.22	-15.21	92.65	374.61	1736221.39	374400.99	39°31'27.0521"N	80°26'6.3856"W	385.90	76.108	2.20	2.17	-0.68	
4352.00	33.350	70.490	4269.23	2923.23	-12.16	108.18	417.30	1736264.08	374416.52	39°31'27.2100"N	80°26'5.8429"W	431.10	75.486	3.45	3.40	1.17	
4438.00	33.760	69.680	4340.90	2994.90	-9.04	124.38	461.99	1736308.77	374432.72	39°31'27.3746"N	80°26'5.2748"W	478.44	74.932	0.71	0.48	-0.94	
4525.00	35.270	70.900	4412.59	3066.59	-5.99	140.99	508.40	1736355.18	374449.33	39°31'27.5436"N	80°26'4.6847"W	527.59	74.500	1.91	1.74	1.40	
4611.00	35.930	70.660	4482.51	3136.51	-3.30	157.47	555.67	1736402.45	374465.81	39°31'27.7114"N	80°26'4.0837"W	577.56	74.178	0.78	0.77	-0.28	
4698.00	35.880	71.750	4552.98	3206.98	-0.95	173.91	603.97	1736450.75	374482.25	39°31'27.8788"N	80°26'3.4695"W	628.51	73.937	0.74	-0.06	1.25	
4784.00	35.350	73.400	4622.90	3276.90	0.17	188.91	651.75	1736498.53	374497.25	39°31'28.0320"N	80°26'2.8618"W	678.58	73.636	1.28	-0.52	1.92	



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Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
4870.00	35.280	73.320	4693.07	3347.07	0.60	203.15	699.38	1736546.16	374511.49	39°31'28.1776"N	80°26'2.2559"W	728.29	73.803	0.10	-0.08	-0.09	
4957.00	36.170	71.530	4763.70	3417.70	1.87	218.49	747.80	1736594.58	374526.83	39°31'28.3342"N	80°26'1.6400"W	778.07	73.713	1.58	1.02	-2.06	
5034.00	36.500	70.830	4825.73	3479.73	3.99	233.21	790.98	1736637.76	374541.55	39°31'28.4841"N	80°26'1.0909"W	824.65	73.573	0.69	0.43	-0.91	
5121.00	36.890	70.500	4895.49	3549.49	6.88	250.42	840.04	1736686.82	374558.78	39°31'28.6593"N	80°26'0.4672"W	876.57	73.400	0.50	0.45	-0.38	
5207.00	35.880	69.870	4964.72	3619.72	10.14	267.71	888.03	1736734.81	374576.05	39°31'28.8351"N	80°25'59.8570"W	927.51	73.224	1.25	-1.17	-0.73	
5294.00	35.380	69.960	5035.44	3689.44	13.62	285.12	935.63	1736782.41	374593.46	39°31'29.0120"N	80°25'59.2518"W	978.11	73.052	0.58	-0.57	0.10	
5380.00	34.280	70.800	5106.03	3760.03	16.60	301.62	981.90	1736828.68	374609.96	39°31'29.1798"N	80°25'58.6637"W	1027.18	72.924	1.40	-1.28	0.98	
5467.00	33.510	70.220	5178.24	3832.24	19.42	317.80	1027.63	1736874.41	374626.14	39°31'29.3444"N	80°25'58.0821"W	1075.65	72.816	0.98	-0.89	-0.67	
5553.00	33.720	69.700	5249.86	3903.86	22.65	334.12	1072.36	1736919.14	374642.46	39°31'29.5103"N	80°25'57.5135"W	1123.21	72.694	0.41	0.24	-0.60	
5638.00	34.920	70.410	5320.89	3974.89	25.88	350.65	1117.94	1736964.72	374658.99	39°31'29.6764"N	80°25'56.9340"W	1171.64	72.586	1.47	1.40	0.83	
5726.00	35.710	70.130	5391.88	4045.88	29.00	367.63	1165.28	1737012.06	374675.97	39°31'29.8510"N	80°25'56.3322"W	1221.90	72.490	0.93	0.91	-0.33	
5812.00	35.360	70.350	5461.86	4115.86	32.14	384.53	1212.32	1737059.10	374692.87	39°31'30.0229"N	80°25'55.7341"W	1271.84	72.402	0.43	-0.41	0.26	
5899.00	36.050	72.230	5532.61	4186.61	34.40	400.81	1260.41	1737107.19	374709.15	39°31'30.1887"N	80°25'55.1226"W	1322.60	72.359	1.49	0.79	2.16	
5985.00	36.860	71.950	5601.68	4255.68	35.98	418.52	1309.03	1737155.81	374724.86	39°31'30.3490"N	80°25'54.5042"W	1373.70	72.349	0.96	0.94	-0.33	
6072.00	36.280	71.720	5671.58	4325.58	37.80	432.68	1358.28	1737205.08	374741.02	39°31'30.5138"N	80°25'53.8778"W	1425.53	72.331	0.69	-0.67	-0.26	
6158.00	35.340	71.120	5741.30	4395.30	39.93	448.71	1405.98	1737252.76	374757.05	39°31'30.6771"N	80°25'53.2713"W	1475.85	72.300	1.17	-1.09	-0.70	
6245.00	35.530	70.910	5812.18	4466.18	42.42	465.12	1453.68	1737300.45	374773.46	39°31'30.8441"N	80°25'52.6648"W	1526.27	72.257	0.26	0.22	-0.24	
6331.00	35.560	71.160	5882.16	4536.16	44.88	481.37	1500.96	1737347.73	374789.71	39°31'31.0096"N	80°25'52.0635"W	1576.26	72.218	0.17	0.03	0.29	
6417.00	35.750	71.100	5952.04	4606.04	47.26	497.58	1548.39	1737395.17	374805.92	39°31'31.1747"N	80°25'51.4603"W	1626.38	72.185	0.22	0.22	-0.07	
6504.00	35.280	71.220	6022.00	4676.88	49.63	513.90	1596.21	1737442.99	374822.24	39°31'31.3408"N	80°25'50.8522"W	1676.90	72.154	0.97	-0.58	0.14	
6590.00	34.140	69.990	6093.56	4747.56	52.39	530.15	1642.39	1737489.17	374838.49	39°31'31.5062"N	80°25'50.2851"W	1725.84	72.110	1.54	-1.30	-1.43	
6677.00	33.790	69.570	6165.72	4819.72	55.84	546.95	1688.00	1737534.78	374855.29	39°31'31.6769"N	80°25'49.6852"W	1774.40	72.047	0.48	-0.40	-0.48	
6763.00	33.990	69.430	6237.11	4891.11	59.48	563.74	1732.92	1737579.70	374872.08	39°31'31.8474"N	80°25'49.1143"W	1822.31	71.980	0.25	0.23	-0.10	
6850.00	34.020	70.030	6309.23	4963.23	62.97	580.60	1778.58	1737625.34	374888.94	39°31'32.0187"N	80°25'48.5340"W	1870.93	71.921	0.39	0.03	0.69	
6936.00	34.670	72.280	6380.24	5034.24	65.25	596.26	1824.47	1737671.25	374904.60	39°31'32.1782"N	80°25'47.9502"W	1919.44	71.902	1.66	0.76	2.63	
7022.00	35.970	73.780	6450.41	5104.41	68.95	610.78	1872.03	1737718.81	374919.10	39°31'32.3264"N	80°25'47.3452"W	1969.14	71.931	1.82	1.51	1.74	
7108.00	35.620	72.710	6520.17	5174.17	66.48	625.26	1920.19	1737766.97	374933.60	39°31'32.4746"N	80°25'46.7325"W	2019.43	71.964	0.83	-0.41	-1.24	
7195.00	37.240	73.060	6590.16	5244.16	67.34	640.46	1969.57	1737816.34	374948.80	39°31'32.6299"N	80°25'46.1044"W	2071.08	71.987	1.88	1.86	0.40	
7281.00	37.010	72.000	6658.73	5312.73	68.54	658.04	2019.08	1737865.85	374964.38	39°31'32.7889"N	80°25'45.4746"W	2122.99	72.000	0.79	-0.27	-1.23	
7367.00	37.080	70.490	6727.38	5381.38	70.89	672.70	2068.13	1737914.91	374981.04	39°31'32.9586"N	80°25'44.8808"W	2174.79	71.982	1.08	0.08	-1.76	



Actual Wellpath Report

Carnegie 15H Proj: 27052'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
7454.00	36.780	70.040	8796.93	5450.93	74.18	690.34	2117.33	1737964.10	374998.68	39°31'33.1380"N	80°25'44.2254"W	2227.03	71.942	0.48	-0.37	-0.52	
7540.00	36.350	69.680	8866.01	5520.01	77.72	707.98	2165.41	1738012.19	375016.32	39°31'33.3172"N	80°25'43.6140"W	2278.21	71.895	0.54	-0.48	-0.42	
7626.00	36.430	71.660	8935.25	5589.25	80.55	724.87	2213.55	1738060.33	375033.20	39°31'33.4890"N	80°25'43.0019"W	2329.22	71.868	1.37	0.09	2.30	
7713.00	36.680	72.720	9005.13	5659.13	82.05	740.71	2262.69	1738109.66	375049.05	39°31'33.6507"N	80°25'42.3744"W	2381.03	71.875	0.78	0.29	1.22	
7800.00	36.500	71.810	9075.34	5729.34	83.47	756.32	2311.70	1738158.47	375064.86	39°31'33.8062"N	80°25'41.7536"W	2432.28	71.853	1.48	-1.38	-1.05	
7843.00	34.450	70.780	9110.67	5764.67	84.56	764.22	2335.05	1738181.82	375072.56	39°31'33.8904"N	80°25'41.4567"W	2456.92	71.878	2.79	-2.44	-2.37	
7909.00	32.300	68.980	9165.78	5819.78	87.05	776.69	2369.14	1738215.91	375085.02	39°31'34.0171"N	80°25'41.0232"W	2493.20	71.849	3.59	-3.26	-2.74	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <B 1/2"> (7909' - 27027'), Curve KOP
8004.00	35.910	53.890	9244.57	5898.57	98.74	802.26	2415.44	1738262.21	375110.60	39°31'34.2746"N	80°25'40.4357"W	2545.19	71.627	9.66	3.80	-15.88	
8099.00	40.760	43.370	9319.15	5973.15	124.03	841.29	2459.32	1738306.09	375149.63	39°31'34.8648"N	80°25'39.8809"W	2599.23	71.115	8.54	5.11	-11.07	
8195.00	45.300	31.290	9389.43	6043.43	163.09	893.35	2498.64	1738345.42	375201.68	39°31'35.1893"N	80°25'39.3959"W	2653.54	70.326	9.79	4.73	-12.58	
8290.00	46.360	16.270	9455.82	6109.82	215.09	955.38	2525.89	1738372.67	375263.72	39°31'35.7992"N	80°25'39.0464"W	2700.53	69.282	11.38	1.12	-15.81	
8385.00	51.710	5.920	9518.17	6172.17	278.81	1025.62	2539.40	1738388.17	375333.96	39°31'36.4948"N	80°25'38.8832"W	2738.69	68.007	9.96	5.63	-10.89	
8479.00	57.860	1.850	9572.37	6226.37	350.93	1102.19	2544.49	1738391.27	375410.52	39°31'37.2520"N	80°25'38.8283"W	2772.95	66.579	7.44	6.54	-4.33	
8574.00	65.150	353.750	9617.72	6271.72	431.86	1185.45	2541.09	1738387.87	375493.79	39°31'38.0746"N	80°25'38.8827"W	2804.00	64.990	10.72	7.67	-8.53	
8669.00	70.620	349.570	9653.48	6307.48	519.00	1272.46	2528.27	1738375.05	375580.80	39°31'38.9333"N	80°25'38.0578"W	2830.43	63.284	7.05	5.76	-4.40	
8732.40†	74.189	345.967	9672.65	6326.65	579.27	1331.50	2515.45	1738362.23	375639.84	39°31'39.5154"N	80°25'38.2291"W	2846.12	62.106	7.81	5.63	-5.68	Marcellus
8764.00	75.990	344.220	9680.78	6334.78	609.80	1361.01	2507.60	1738354.37	375669.34	39°31'39.8063"N	80°25'38.3333"W	2853.14	61.509	7.81	5.70	-5.53	
8859.00	82.420	340.710	9698.57	6352.57	703.03	1449.92	2479.47	1738326.25	375758.26	39°31'40.6821"N	80°25'39.7039"W	2872.29	59.682	7.68	6.77	-3.69	
8954.00	89.580	337.210	9705.20	6359.20	797.37	1538.29	2445.46	1738292.24	375846.63	39°31'41.5521"N	80°25'40.1496"W	2889.06	57.829	8.38	7.54	-3.68	Landing Point
9049.00	89.430	336.010	9706.02	6360.02	891.61	1625.46	2407.75	1738254.53	375903.82	39°31'42.4100"N	80°25'40.6423"W	2905.07	55.977	1.27	-0.16	-1.25	
9144.00	89.610	335.710	9706.81	6360.81	985.69	1712.17	2368.90	1738215.68	376020.51	39°31'43.2628"N	80°25'41.1496"W	2922.88	54.142	0.37	0.19	-0.32	
9333.00	89.760	336.250	9707.85	6361.85	1172.90	1884.80	2291.97	1738138.75	376193.14	39°31'44.9611"N	80°25'42.1542"W	2957.42	50.568	0.30	0.08	0.29	
9428.00	89.640	335.820	9708.35	6362.35	1267.02	1971.61	2253.38	1738100.16	376279.94	39°31'45.8151"N	80°25'42.6581"W	2994.16	48.816	0.47	-0.13	-0.45	
9523.00	90.470	335.450	9708.26	6362.26	1361.04	2058.15	2214.19	1738060.97	376366.48	39°31'46.6664"N	80°25'43.1696"W	3023.01	47.092	0.96	0.87	-0.39	
9618.00	90.170	335.310	9707.73	6361.73	1455.00	2144.51	2174.62	1738021.39	376452.84	39°31'47.5159"N	80°25'43.6861"W	3054.16	45.399	0.35	-0.32	-0.15	
9712.00	89.920	335.430	9707.65	6361.65	1547.98	2229.96	2135.44	1737982.22	376538.29	39°31'48.3564"N	80°25'44.1974"W	3087.53	43.760	0.30	-0.27	0.13	
9807.00	89.430	334.870	9708.19	6362.19	1641.86	2316.09	2095.37	1737942.14	376624.42	39°31'49.2036"N	80°25'44.7201"W	3123.27	42.136	0.95	-0.52	-0.80	
9902.00	89.830	335.240	9708.81	6362.81	1735.71	2402.15	2055.15	1737901.93	376710.49	39°31'50.0501"N	80°25'45.2447"W	3161.33	40.549	0.73	0.42	0.60	
9998.00	89.980	335.860	9708.96	6362.96	1830.70	2489.54	2015.42	1737862.19	376797.88	39°31'50.9097"N	80°25'45.7634"W	3203.08	38.992	0.66	0.16	0.65	
10093.00	90.140	334.730	9708.86	6362.86	1824.85	2575.85	1975.71	1737822.49	376884.18	39°31'51.7588"N	80°25'46.2815"W	3248.30	37.487	1.20	0.17	-1.19	



Actual Wellpath Report

Carnegie 15H Proj: 27052'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
10187.00	90.170	334.940	7708.61	6362.61	2017.48	2660.93	1935.74	1737782.52	376969.26	39°31'52.5954"N	80°25'46.8029"W	3290.54	36.035	0.23	0.03	0.22	
10282.00	89.830	336.290	7708.61	6362.61	2111.50	2747.45	1896.52	1737743.30	377055.78	39°31'53.4465"N	80°25'47.3149"W	3338.45	34.617	1.47	-0.36	1.42	
10376.00	89.400	334.110	7709.24	6363.24	2204.42	2832.77	1857.10	1737703.87	377141.11	39°31'54.2858"N	80°25'47.8293"W	3387.24	33.248	2.36	-0.46	-2.32	
10472.00	90.010	335.200	7709.74	6363.74	2299.19	2919.53	1816.00	1737662.78	377227.86	39°31'55.1390"N	80°25'48.3652"W	3438.24	31.882	1.30	0.64	1.14	
10566.00	90.280	335.690	7709.92	6363.92	2392.18	3055.03	1776.94	1737623.72	377313.36	39°31'55.9800"N	80°25'48.8751"W	3491.05	30.597	0.99	0.27	0.52	
10661.00	89.580	335.070	7709.65	6363.65	2486.14	3091.39	1737.36	1737584.14	377399.72	39°31'56.8295"N	80°25'49.3916"W	3546.14	29.336	0.97	-0.72	-0.65	
10757.00	89.550	335.000	7710.38	6364.38	2581.00	3178.42	1696.85	1737543.62	377486.75	39°31'57.6855"N	80°25'49.9202"W	3603.00	28.096	0.09	-0.03	-0.07	
10852.00	89.740	335.250	7710.97	6364.97	2674.90	3264.60	1656.89	1737503.66	377572.94	39°31'58.5332"N	80°25'50.4416"W	3661.00	26.909	0.33	0.20	0.26	
10947.00	89.770	335.450	7711.37	6365.37	2768.86	3350.94	1617.27	1737464.04	377659.28	39°31'59.3825"N	80°25'50.9587"W	3720.80	25.763	0.21	0.03	0.21	
11042.00	89.920	335.040	7711.63	6365.63	2862.79	3437.21	1577.49	1737424.26	377745.56	39°32'0.2311"N	80°25'51.4778"W	3781.92	24.652	0.48	0.16	-0.43	
11137.00	90.140	335.470	7711.58	6365.58	2956.72	3523.49	1537.72	1737384.50	377831.82	39°32'1.0797"N	80°25'51.9967"W	3844.42	23.577	0.51	0.23	0.45	
11232.00	89.520	335.180	7711.86	6365.86	3050.67	3609.82	1498.06	1737344.84	377918.15	39°32'1.9288"N	80°25'52.5145"W	3908.32	22.538	0.72	-0.69	-0.31	
11327.00	90.720	335.050	7711.66	6365.66	3144.57	3695.99	1458.09	1737304.86	378004.33	39°32'2.7764"N	80°25'53.0359"W	3973.21	21.529	1.27	1.26	-0.14	
11422.00	89.120	333.410	7711.79	6365.79	3238.22	3781.54	1416.79	1737263.56	378089.87	39°32'3.6177"N	80°25'53.5744"W	4038.23	20.539	2.41	-1.68	-1.73	
11517.00	90.020	334.660	7712.51	6366.51	3331.36	3867.02	1375.35	1737222.12	378175.33	39°32'4.4582"N	80°25'54.1146"W	4104.33	18.578	1.80	0.36	1.53	
11613.00	90.290	336.150	7712.25	6366.25	3426.84	3954.38	1335.54	1737182.32	378262.71	39°32'5.3175"N	80°25'54.6342"W	4173.82	18.662	1.37	0.28	1.34	
11708.00	89.400	335.580	7712.50	6366.50	3520.91	4041.07	1296.70	1737143.48	378349.40	39°32'6.1704"N	80°25'55.1414"W	4244.02	17.790	1.11	-0.94	-0.60	
11802.00	89.770	334.950	7713.19	6367.19	3613.86	4126.44	1257.37	1737104.15	378434.77	39°32'7.0101"N	80°25'55.6547"W	4313.76	16.947	0.78	0.39	-0.67	
11897.00	89.620	335.010	7713.89	6367.89	3707.72	4212.53	1217.19	1737063.97	378520.86	39°32'7.8568"N	80°25'56.1789"W	4384.85	16.116	0.17	-0.16	0.06	
11992.00	89.770	335.580	7714.20	6368.20	3801.68	4298.82	1177.47	1737024.25	378607.15	39°32'8.7058"N	80°25'56.6973"W	4457.16	15.316	0.60	0.16	0.53	
12088.00	89.920	335.200	7714.46	6368.46	3896.61	4386.09	1137.48	1736984.26	378694.43	39°32'9.5641"N	80°25'57.2193"W	4531.19	14.539	0.41	0.16	-0.38	
12183.00	89.580	336.080	7714.87	6368.87	3990.63	4472.63	1098.28	1736945.06	378780.96	39°32'10.4153"N	80°25'57.7311"W	4605.50	13.796	0.97	-0.36	0.91	
12278.00	90.720	335.190	7714.62	6368.62	4084.65	4559.16	1059.07	1736905.85	378867.49	39°32'11.2665"N	80°25'58.2429"W	4680.55	13.078	1.51	1.20	-0.92	
12373.00	90.080	335.570	7713.96	6367.96	4178.62	4645.52	1019.50	1736866.28	378953.85	39°32'12.1159"N	80°25'58.7595"W	4758.07	12.378	0.78	-0.67	0.40	
12468.00	89.890	335.600	7713.96	6367.96	4272.63	4732.02	980.23	1736827.01	379040.35	39°32'12.9688"N	80°25'59.2722"W	4832.48	11.703	0.20	-0.20	0.09	
12563.00	89.520	334.800	7714.47	6368.47	4366.55	4818.26	940.38	1736787.16	379126.59	39°32'13.8151"N	80°25'59.7922"W	4909.17	11.044	0.93	-0.39	-0.84	
12658.00	89.620	334.970	7715.19	6369.19	4460.38	4904.28	900.06	1736746.84	379212.61	39°32'14.6611"N	80°26'0.3182"W	4985.19	10.400	0.21	0.11	0.16	
12753.00	89.740	335.190	7715.72	6369.72	4554.27	4990.43	860.04	1736706.81	379298.76	39°32'15.5084"N	80°26'0.8406"W	5064.00	9.778	0.26	0.13	0.23	
12848.00	89.830	335.720	7716.07	6370.07	4648.26	5076.84	820.57	1736667.35	379385.17	39°32'16.3584"N	80°26'1.3557"W	5142.73	9.181	0.57	0.09	0.56	
12943.00	89.580	335.510	7716.56	6370.56	4742.27	5163.37	781.35	1736628.13	379471.70	39°32'17.2096"N	80°26'1.8678"W	5222.15	8.605	0.34	-0.26	-0.22	



Actual Wellpath Report

Carnegie 15H Proj: 27052'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
13038.00	90.230	335.550	7716.72	6370.72	4836.27	5249.83	742.00	1736588.78	379558.16	39°32'18.0601"N	80°26'2.3816"W	5302.01	8.045	0.69	0.68	0.04	
13133.00	89.580	335.280	7716.88	6370.88	4930.24	5336.22	702.48	1736549.26	379644.55	39°32'18.9098"N	80°26'2.8975"W	5382.26	7.499	0.74	-0.68	-0.28	
13228.00	89.860	335.600	7717.34	6371.34	5024.22	5422.63	662.99	1736509.77	379730.96	39°32'19.7597"N	80°26'3.4130"W	5463.01	6.971	0.45	0.29	0.34	
13323.00	90.510	335.390	7717.03	6371.03	5118.21	5509.07	823.59	1736470.37	379817.40	39°32'20.6100"N	80°26'3.9274"W	5544.25	6.458	0.72	0.68	-0.22	
13418.00	85.910	334.260	7717.52	6371.52	5212.03	5595.04	583.18	1736429.96	379903.37	39°32'21.4555"N	80°26'4.4546"W	5625.35	5.051	2.06	-1.68	-1.19	
13513.00	90.320	333.580	7718.15	6372.15	5305.60	5680.36	541.42	1736388.20	379988.69	39°32'22.2945"N	80°26'4.9889"W	5706.11	5.445	1.65	1.48	-0.72	
13608.00	89.150	334.550	7718.59	6372.59	5399.21	5765.79	499.87	1736346.65	380074.12	39°32'23.1346"N	80°26'5.5408"W	5787.42	4.955	1.60	-1.23	1.02	
13703.00	89.890	334.430	7719.39	6373.39	5492.94	5851.53	458.96	1736305.74	380159.85	39°32'23.9777"N	80°26'6.0742"W	5869.50	4.485	0.79	0.78	-0.13	
13798.00	90.410	334.250	7719.14	6373.14	5586.64	5937.16	417.82	1736264.60	380245.48	39°32'24.8198"N	80°26'6.6107"W	5951.84	4.025	0.56	0.65	-0.19	
13894.00	88.940	333.480	7719.99	6373.99	5681.18	6023.34	375.54	1736222.32	380331.68	39°32'25.6672"N	80°26'7.1618"W	6035.03	3.568	1.73	-1.53	-0.80	
13989.00	91.370	334.730	7719.43	6373.43	5774.80	6108.79	334.05	1736180.83	380417.12	39°32'26.5075"N	80°26'7.7027"W	6117.92	3.130	2.88	2.56	1.32	
14084.00	89.580	334.380	7719.64	6372.64	5868.54	6194.56	293.22	1736140.00	380502.89	39°32'27.3510"N	80°26'8.2353"W	6201.50	2.710	1.92	-1.88	-0.39	
14179.00	89.280	333.910	7719.59	6373.59	5962.17	6280.04	251.78	1736098.56	380588.37	39°32'28.1915"N	80°26'8.7756"W	6285.08	2.296	0.57	-0.32	-0.47	
14274.00	91.340	334.780	7719.07	6373.07	6055.86	6365.67	210.66	1736057.43	380673.99	39°32'29.0336"N	80°26'9.3119"W	6369.15	1.895	2.35	2.17	0.92	
14370.00	88.910	332.280	7718.86	6372.86	6150.30	6451.59	167.67	1736014.65	380759.92	39°32'29.8784"N	80°26'9.8895"W	6453.77	1.481	3.83	-2.53	-2.60	
14465.00	90.230	335.730	7719.58	6373.58	6243.88	6536.96	126.24	1735973.02	380845.29	39°32'30.7178"N	80°26'10.4122"W	6538.18	1.106	3.89	1.39	3.63	
14560.00	89.120	333.300	7720.11	6374.11	6336.62	6621.81	85.80	1735932.55	380930.13	39°32'31.5522"N	80°26'10.9397"W	6622.36	0.742	2.84	-1.18	-2.59	
14654.00	91.220	334.860	7719.83	6373.83	6430.24	6707.24	44.28	1735891.06	381015.57	39°32'32.3923"N	80°26'11.4811"W	6707.39	0.378	2.75	2.21	1.64	
14750.00	88.850	331.260	7719.77	6373.77	6524.52	6792.80	0.80	1735847.58	381101.13	39°32'33.2335"N	80°26'12.0475"W	6792.80	0.007	4.49	-2.47	-3.75	
14845.00	89.620	334.480	7721.04	6375.04	6617.76	6877.53	-42.32	1735804.26	381186.68	39°32'34.0645"N	80°26'12.8116"W	6877.46	359.646	3.48	0.81	3.39	
14940.00	89.620	334.340	7721.67	6375.67	6711.47	6963.01	-83.55	1735763.23	381271.34	39°32'34.9070"N	80°26'13.1468"W	6963.51	359.313	0.15	0.00	-0.15	
15035.00	90.450	335.410	7721.61	6375.61	6805.30	7049.02	-123.88	1735722.90	381357.35	39°32'35.7529"N	80°26'13.6731"W	7050.11	358.993	1.43	0.87	1.13	
15130.00	89.770	335.900	7721.43	6375.43	6899.33	7135.57	-163.04	1735683.74	381443.80	39°32'36.6043"N	80°26'14.1845"W	7137.44	358.691	0.88	-0.72	0.52	
15226.00	89.550	334.960	7722.00	6376.00	6994.29	7222.88	-202.98	1735643.82	381531.20	39°32'37.4630"N	80°26'14.7057"W	7225.73	358.390	1.01	-0.23	-0.98	
15321.00	90.480	335.810	7721.97	6375.97	7088.26	7309.24	-242.53	1735604.25	381617.57	39°32'38.3126"N	80°26'15.2223"W	7313.27	358.100	1.33	0.98	0.89	
15416.00	90.050	335.700	7721.53	6375.53	7182.31	7395.86	-281.54	1735565.24	381704.19	39°32'39.1646"N	80°26'15.7318"W	7401.22	357.820	0.47	-0.45	-0.12	
15511.00	89.770	335.240	7721.68	6375.68	7276.29	7482.29	-320.98	1735525.80	381790.61	39°32'40.0147"N	80°26'16.2467"W	7489.17	357.544	0.57	-0.29	-0.48	
15606.00	90.170	335.110	7721.73	6375.73	7370.21	7568.51	-360.87	1735485.91	381876.83	39°32'40.8627"N	80°26'16.7674"W	7577.11	357.270	0.44	0.42	-0.14	
15701.00	90.230	335.380	7721.40	6375.40	7464.14	7654.78	-400.65	1735446.14	381963.10	39°32'41.7113"N	80°26'17.2866"W	7665.26	357.004	0.29	0.06	0.28	
15796.00	89.950	335.390	7721.25	6375.25	7558.10	7741.15	-440.21	1735406.57	382049.41	39°32'42.5608"N	80°26'17.8033"W	7753.85	356.745	0.29	-0.29	0.01	



Actual Wellpath Report

Carnegie 15H Proj: 27052'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
15891.00	89.920	335.103	7721.36	6375.36	7652.03	7827.42	-480.00	1735366.79	382135.74	39°32'43.4095"N	80°26'18.3226"W	7842.12	356.491	0.31	-0.03	-0.31	
15986.00	89.460	335.320	7721.87	6375.87	7745.95	7913.66	-519.83	1735326.95	382221.98	39°32'44.2576"N	80°26'18.8425"W	7930.71	356.242	0.54	-0.48	0.23	
16080.00	89.060	334.990	7723.09	6377.09	7838.86	7998.95	-559.32	1735287.46	382307.28	39°32'45.0965"N	80°26'19.3580"W	8018.48	356.000	0.55	-0.43	-0.35	
16176.00	89.630	335.780	7724.14	6378.14	7933.81	8086.22	-599.30	1735247.48	382394.55	39°32'45.9549"N	80°26'19.8801"W	8108.40	355.761	1.05	0.65	0.82	
16270.00	89.630	335.320	7724.67	6378.67	8026.80	8171.71	-638.36	1735208.42	382480.05	39°32'46.7958"N	80°26'20.3900"W	8196.62	355.533	0.70	0.00	-0.70	
16365.00	89.890	334.990	7725.02	6379.02	8120.68	8257.86	-678.42	1735168.36	382566.18	39°32'47.6430"N	80°26'20.9130"W	8285.68	355.303	0.26	0.22	-0.14	
16460.00	90.260	335.740	7724.90	6378.90	8214.64	8344.21	-718.02	1735128.76	382652.54	39°32'48.4924"N	80°26'21.4300"W	8375.05	355.082	0.88	0.39	0.79	
16555.00	90.200	335.380	7724.52	6378.52	8308.65	8430.70	-757.33	1735089.45	382739.02	39°32'49.3431"N	80°26'21.9433"W	8464.65	354.867	0.38	-0.09	-0.38	
16650.00	90.510	335.990	7723.93	6377.93	8402.68	8517.27	-796.44	1735050.34	382825.59	39°32'50.1947"N	80°26'22.4541"W	8554.43	354.658	0.72	0.33	0.64	
16743.00	88.970	335.270	7724.38	6378.38	8496.70	8603.80	-835.64	1735011.14	382912.12	39°32'51.0458"N	80°26'22.9861"W	8644.29	354.453	1.79	-1.52	-0.76	
16840.00	89.460	335.210	7725.66	6379.66	8590.62	8690.06	-875.42	1734971.36	382998.38	39°32'51.8942"N	80°26'23.4855"W	8734.04	354.248	0.52	0.52	-0.06	
16935.00	89.830	334.640	7726.25	6380.25	8684.47	8776.10	-915.68	1734931.10	383084.43	39°32'52.7405"N	80°26'24.0109"W	8823.75	354.043	0.72	0.39	-0.60	
17030.00	89.490	335.070	7726.81	6380.81	8778.30	8862.10	-956.05	1734890.73	383170.42	39°32'53.5862"N	80°26'24.5377"W	8913.52	353.843	0.58	-0.39	0.45	
17125.00	89.610	336.020	7727.56	6381.56	8872.30	8948.57	-995.38	1734851.41	383256.90	39°32'54.4368"N	80°26'25.0513"W	9003.76	353.653	1.01	0.13	1.00	
17220.00	89.370	334.250	7728.11	6382.11	8965.20	9034.76	-1035.32	1734811.48	383343.08	39°32'55.2845"N	80°26'25.5727"W	9093.88	353.463	1.86	-0.25	-1.86	
17314.00	90.480	335.880	7728.53	6382.53	9059.09	9119.88	-1074.95	1734771.84	383428.32	39°32'56.1228"N	80°26'26.0899"W	9183.13	353.278	2.10	1.18	1.73	
17409.00	89.400	335.120	7728.63	6382.63	9153.08	9208.44	-1114.34	1734732.44	383514.76	39°32'56.9730"N	80°26'26.6044"W	9273.63	353.099	1.39	-1.14	-0.80	
17504.00	89.280	335.050	7729.72	6383.72	9246.96	9292.59	-1154.36	1734692.42	383600.91	39°32'57.8204"N	80°26'27.1268"W	9364.02	352.919	0.15	-0.13	-0.07	
17599.00	89.830	335.640	7730.46	6384.46	9340.92	9378.93	-1193.99	1734652.79	383687.25	39°32'58.6696"N	80°26'27.6442"W	9454.62	352.745	0.85	0.58	0.62	
17694.00	89.740	335.230	7730.82	6384.82	9434.89	9465.93	-1233.48	1734613.30	383773.65	39°32'59.5184"N	80°26'28.1659"W	9545.36	352.575	0.44	-0.09	-0.43	
17790.00	89.030	335.560	7731.85	6385.85	9529.84	9552.61	-1273.45	1734573.33	383860.93	39°33'0.3779"N	80°26'28.6818"W	9637.11	352.407	0.82	-0.74	0.34	
17884.00	89.610	335.160	7732.96	6386.96	9622.81	9638.04	-1312.64	1734534.15	383946.36	39°33'1.2182"N	80°26'29.1935"W	9727.02	352.244	0.75	0.62	-0.43	Onondaga
17979.00	89.280	335.470	7733.88	6387.88	9716.75	9724.35	-1352.31	1734494.47	384032.67	39°33'2.0671"N	80°26'29.7115"W	9817.93	352.083	0.48	-0.35	0.33	
18075.00	89.210	334.630	7735.15	6389.15	9811.61	9811.38	-1392.80	1734453.98	384119.71	39°33'2.9231"N	80°26'30.2401"W	9909.75	351.920	0.88	-0.07	-0.88	
18166.00	89.430	335.420	7735.26	6390.26	9904.46	9899.59	-1432.45	1734414.30	384204.91	39°33'3.7611"N	80°26'30.7581"W	9999.73	351.784	0.87	0.23	0.84	
18265.00	89.280	334.120	7737.34	6391.34	9999.28	9983.42	-1473.40	1734373.38	384291.74	39°33'4.6151"N	80°26'31.2921"W	10091.57	351.605	1.36	-0.16	-1.36	
18359.00	89.980	336.270	7737.95	6391.95	10092.20	10068.75	-1512.84	1734333.95	384377.07	39°33'5.4542"N	80°26'31.8069"W	10181.76	351.455	2.41	0.74	2.29	
18454.00	89.090	334.520	7738.72	6392.72	10186.16	10155.11	-1552.39	1734294.40	384463.43	39°33'6.3037"N	80°26'32.3234"W	10273.08	351.309	2.07	-0.84	-1.84	
18549.00	89.430	335.070	7739.95	6393.95	10279.97	10241.06	-1592.84	1734253.94	384549.39	39°33'7.1490"N	80°26'32.8514"W	10364.19	351.159	0.68	0.36	0.58	
18644.00	89.530	335.480	7740.77	6394.77	10373.80	10327.34	-1632.59	1734214.20	384635.68	39°33'7.9976"N	80°26'33.3704"W	10455.59	351.017	0.44	0.16	0.41	



Actual Wellpath Report

Carnegie 15H Proj: 27052'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
18738.00	89.150	335.180	7741.81	6395.81	10466.85	10412.75	-1671.84	1734174.95	384721.07	39°33'8.8376"N	80°26'33.8829"W	10546.11	350.879	0.55	-0.46	-0.30	
18833.00	89.280	335.260	7743.11	6397.11	10560.77	10498.99	-1711.65	1734135.13	384807.31	39°33'9.6859"N	80°26'34.4027"W	10637.60	350.741	0.16	0.14	0.08	
18928.00	89.520	335.070	7744.11	6398.11	10654.67	10585.20	-1751.55	1734095.24	384893.52	39°33'10.5338"N	80°26'34.9236"W	10729.14	350.604	0.32	0.25	-0.20	
19022.00	89.250	334.750	7745.12	6399.12	10747.53	10670.33	-1791.41	1734055.38	384978.65	39°33'11.3709"N	80°26'35.4439"W	10819.66	350.470	0.45	-0.29	-0.34	
19117.00	90.140	335.510	7745.62	6399.62	10841.43	10756.52	-1831.36	1734015.43	385064.83	39°33'12.2186"N	80°26'35.9655"W	10911.30	350.338	1.23	0.94	0.80	
19212.00	89.650	335.280	7745.80	6399.80	10935.39	10842.89	-1870.91	1733975.87	385151.21	39°33'13.0682"N	80°26'36.4820"W	11003.12	350.210	0.57	-0.52	-0.24	
19306.00	89.370	335.840	7746.60	6400.60	11028.41	10928.46	-1909.80	1733936.98	385236.78	39°33'13.9099"N	80°26'36.9900"W	11094.08	350.087	0.67	-0.30	0.60	
19401.00	89.490	334.660	7747.55	6401.55	11122.33	11014.73	-1949.57	1733897.21	385323.05	39°33'14.7584"N	80°26'37.5093"W	11185.93	349.963	1.25	0.13	-1.24	
19496.00	89.610	335.810	7748.29	6402.29	11216.26	11100.99	-1989.36	1733857.42	385409.31	39°33'15.6068"N	80°26'38.0289"W	11277.83	349.840	1.22	0.13	1.21	
19591.00	89.530	336.180	7748.98	6402.98	11310.36	11187.77	-2028.01	1733818.77	385496.09	39°33'16.4604"N	80°26'38.5336"W	11370.09	349.728	0.39	-0.03	0.39	
19685.00	89.210	334.880	7749.96	6403.96	11403.37	11273.32	-2066.94	1733779.84	385581.64	39°33'17.3019"N	80°26'39.0424"W	11461.24	349.610	1.44	-0.39	-1.38	
19780.00	90.290	334.920	7750.37	6404.37	11497.21	11359.35	-2107.24	1733739.54	385667.66	39°33'18.1479"N	80°26'39.5685"W	11553.15	349.491	1.14	1.14	0.04	
19875.00	89.210	334.440	7750.78	6404.78	11590.99	11445.22	-2147.87	1733698.91	385753.54	39°33'18.9924"N	80°26'40.0987"W	11645.01	349.371	1.24	-1.14	-0.51	
19970.00	90.780	335.000	7750.79	6404.79	11684.78	11531.12	-2188.44	1733658.35	385839.43	39°33'19.8372"N	80°26'40.6281"W	11736.95	349.254	1.75	1.65	0.59	
20065.00	89.650	334.070	7750.44	6404.44	11775.53	11615.29	-2229.28	1733617.50	385925.20	39°33'20.6806"N	80°26'41.1611"W	11828.85	349.137	1.54	-1.18	-0.95	
20160.00	89.250	334.220	7751.35	6405.35	11872.16	11702.37	-2270.71	1733576.08	386010.69	39°33'21.5212"N	80°26'41.7015"W	11920.64	349.019	0.45	-0.42	0.16	
20254.00	89.490	333.550	7752.38	6406.38	11964.74	11786.77	-2312.08	1733534.70	386095.09	39°33'22.3510"N	80°26'42.2410"W	12011.40	348.902	0.76	0.26	-0.71	
20349.00	89.580	334.070	7753.15	6407.15	12058.28	11872.01	-2354.01	1733492.78	386180.33	39°33'23.1891"N	80°26'42.7878"W	12103.14	348.785	0.56	0.09	0.55	
20443.00	89.920	334.390	7753.56	6407.56	12150.96	11958.66	-2394.88	1733451.91	386264.98	39°33'24.0215"N	80°26'43.3209"W	12194.15	348.674	0.50	0.36	0.34	
20538.00	90.110	335.090	7753.54	6407.54	12244.76	12042.98	-2435.42	1733411.37	386350.90	39°33'24.8664"N	80°26'43.8500"W	12286.37	348.567	0.78	0.20	0.74	
20632.00	89.860	334.760	7753.56	6407.56	12337.62	12127.72	-2475.25	1733371.53	386436.04	39°33'25.7037"N	80°26'44.3701"W	12377.74	348.464	0.44	-0.27	-0.35	
20727.00	89.520	333.970	7754.08	6408.08	12431.32	12213.37	-2516.35	1733330.43	386521.68	39°33'26.5459"N	80°26'44.9063"W	12469.90	348.358	0.91	-0.36	-0.83	
20822.00	89.680	334.110	7754.74	6408.74	12524.93	12298.78	-2557.94	1733288.85	386607.09	39°33'27.3858"N	80°26'45.4487"W	12561.97	348.251	0.22	0.17	0.15	
20916.00	89.150	334.600	7755.70	6409.70	12617.63	12383.51	-2598.62	1733248.17	386691.83	39°33'28.2190"N	80°26'45.9795"W	12653.23	348.149	0.77	-0.56	0.52	
21010.00	89.430	334.440	7756.86	6410.86	12710.40	12465.40	-2638.98	1733207.81	386776.72	39°33'29.0537"N	80°26'46.5062"W	12744.62	348.050	0.30	0.30	-0.06	
21105.00	89.650	334.840	7757.63	6411.63	12804.18	12554.26	-2679.59	1733167.19	386862.59	39°33'29.8983"N	80°26'47.0363"W	12837.06	347.952	0.39	0.23	0.32	
21200.00	89.400	334.370	7758.42	6412.42	12897.94	12640.10	-2720.33	1733126.45	386948.41	39°33'30.7422"N	80°26'47.5680"W	12929.51	347.854	0.56	-0.26	-0.49	
21390.00	89.920	335.040	7759.54	6413.54	13085.52	12811.87	-2801.51	1733045.27	387120.19	39°33'32.4315"N	80°26'48.6276"W	13114.59	347.666	0.45	0.27	0.35	
21485.00	88.910	333.700	7760.51	6414.51	13179.22	12997.52	-2842.60	1733004.18	387205.83	39°33'33.2736"N	80°26'49.1637"W	13207.06	347.571	1.77	-1.06	-1.41	
21579.00	89.950	334.670	7761.45	6415.45	13271.86	12982.10	-2883.61	1732963.18	387290.41	39°33'34.1053"N	80°26'49.6965"W	13298.50	347.477	1.44	1.11	0.93	



Actual Wellpath Report

Carnegie 15H Proj: 27052'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 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
21674.00	89.920	334.010	7761.56	6415.56	13365.54	13067.69	-2924.82	1732921.97	387376.00	39°33'34.9469"N	80°26'50.2363"W	13391.01	347.384	0.58	-0.03	-0.58	
21769.00	90.050	334.450	7761.58	6415.58	13459.21	13153.24	-2966.12	1732880.67	387461.56	39°33'35.7882"N	80°26'50.7752"W	13483.53	347.292	0.48	0.14	0.46	
21864.00	89.800	333.950	7761.70	6415.70	13552.86	13238.77	-3007.47	1732839.32	387547.09	39°33'36.8292"N	80°26'51.3146"W	13576.08	347.201	0.58	-0.26	-0.53	
21959.00	89.980	334.060	7761.89	6415.89	13646.46	13324.16	-3049.10	1732797.68	387632.47	39°33'37.4697"N	80°26'51.8577"W	13668.59	347.110	0.22	0.19	0.12	Deepest Point of Well
22054.00	90.291	334.410	7761.88	6415.88	13740.13	13403.72	-3090.40	1732756.39	387718.03	39°33'38.3100"N	80°26'52.3965"W	13761.22	347.022	0.48	0.33	0.37	
22149.00	90.260	334.990	7761.21	6415.21	13833.92	13495.60	-3131.00	1732715.79	387803.92	39°33'39.1546"N	80°26'52.9264"W	13854.04	346.938	0.61	-0.03	0.61	
22244.00	89.980	334.470	7761.01	6415.01	13927.72	13581.51	-3171.55	1732675.24	387889.82	39°33'39.9994"N	80°26'53.4558"W	13946.91	346.858	0.62	-0.29	-0.58	
22339.00	90.570	334.500	7760.55	6414.55	14021.45	13667.24	-3212.47	1732634.32	387975.56	39°33'40.8425"N	80°26'53.9898"W	14039.71	346.773	0.62	0.62	0.03	
22434.00	90.480	334.330	7759.68	6413.68	14115.16	13752.93	-3253.50	1732593.29	388061.24	39°33'41.6850"N	80°26'54.5252"W	14132.52	346.690	0.20	-0.09	-0.18	
22529.00	90.420	334.370	7758.94	6412.94	14208.86	13835.68	-3294.62	1732552.17	388148.87	39°33'42.5271"N	80°26'55.0617"W	14225.34	346.509	0.08	-0.06	0.04	
22624.00	90.260	334.280	7758.37	6412.37	14302.54	13924.18	-3335.78	1732511.01	388232.48	39°33'43.3690"N	80°26'55.5988"W	14318.18	346.528	0.19	-0.17	-0.09	
22719.00	90.110	333.970	7758.07	6412.07	14396.18	14009.66	-3377.24	1732469.55	388317.97	39°33'44.2094"N	80°26'56.1397"W	14410.97	346.447	0.36	-0.16	-0.33	
22814.00	90.140	333.100	7757.86	6411.86	14489.64	14094.70	-3419.57	1732427.22	388403.01	39°33'45.0455"N	80°26'56.6917"W	14503.59	346.363	0.92	0.03	-0.92	
22909.00	90.200	335.090	7757.58	6411.58	14583.26	14180.15	-3461.07	1732385.71	388488.46	39°33'45.8857"N	80°26'57.2332"W	14596.43	346.284	2.10	0.06	2.09	
23004.00	91.280	334.920	7756.35	6410.35	14677.12	14266.24	-3501.21	1732345.53	388574.35	39°33'46.7324"N	80°26'57.7573"W	14689.59	346.211	1.16	1.14	-0.18	
23099.00	89.800	335.430	7755.45	6409.45	14771.03	14352.46	-3541.09	1732305.69	388660.77	39°33'47.5803"N	80°26'58.2781"W	14782.84	346.141	1.65	-1.56	0.54	
23194.00	89.740	334.750	7755.84	6409.84	14864.92	14438.62	-3581.11	1732265.68	388746.93	39°33'48.4277"N	80°26'58.8006"W	14876.09	346.070	0.72	-0.06	-0.72	
23289.00	89.950	335.360	7756.09	6410.09	14958.80	14524.76	-3621.17	1732225.62	388833.07	39°33'49.2749"N	80°26'59.3239"W	14969.35	346.001	0.68	0.22	0.64	
23384.00	89.830	334.640	7756.27	6410.27	15052.67	14610.85	-3661.32	1732185.47	388919.17	39°33'50.1216"N	80°26'59.8481"W	15062.61	345.932	0.77	-0.13	-0.76	
23479.00	90.010	335.010	7756.41	6410.41	15146.49	14696.83	-3701.73	1732145.08	389005.74	39°33'50.9671"N	80°27'0.3757"W	15155.85	345.863	0.43	0.18	0.39	
23573.00	89.710	335.410	7756.64	6410.64	15239.43	14782.17	-3741.14	1732105.64	389090.48	39°33'51.8064"N	80°27'0.8905"W	15248.23	345.798	0.53	-0.32	0.43	
23668.00	89.980	335.030	7756.89	6410.89	15333.35	14868.42	-3780.98	1732065.83	389176.73	39°33'52.6547"N	80°27'1.4106"W	15341.63	345.732	0.48	0.28	-0.40	
23763.00	90.110	335.880	7756.82	6410.82	15427.33	14954.83	-3820.43	1732026.36	389263.15	39°33'53.5046"N	80°27'1.9261"W	15435.11	345.669	0.91	0.14	0.89	
23858.00	89.950	335.460	7756.77	6410.77	15521.37	15041.40	-3859.58	1731987.22	389349.71	39°33'54.3560"N	80°27'2.4376"W	15528.68	345.609	0.47	-0.17	-0.44	
23953.00	89.650	335.700	7757.10	6411.10	15615.38	15127.90	-3898.84	1731947.95	389436.21	39°33'55.2088"N	80°27'2.9605"W	15622.24	345.548	0.40	-0.32	0.25	
24048.00	91.340	335.710	7756.28	6410.28	15709.41	15214.48	-3937.92	1731908.87	389522.79	39°33'56.0584"N	80°27'3.4615"W	15715.84	345.489	1.78	1.78	0.01	
24143.00	88.750	334.890	7756.21	6410.21	15803.35	15300.78	-3977.62	1731869.17	389609.09	39°33'56.9072"N	80°27'3.9800"W	15809.34	345.428	2.86	-2.73	-0.86	
24237.00	88.910	335.710	7758.13	6412.13	15896.28	15386.16	-4016.89	1731829.90	389694.47	39°33'57.7470"N	80°27'4.4930"W	15901.86	345.368	0.89	0.17	0.87	
24332.00	90.170	335.500	7758.89	6412.89	15990.29	15472.67	-4056.12	1731790.67	389780.98	39°33'58.5979"N	80°27'5.0057"W	15995.49	345.311	1.34	1.33	-0.22	
24427.00	90.290	335.700	7758.51	6412.51	16084.31	15558.19	-4095.37	1731751.42	389867.50	39°33'59.4488"N	80°27'5.5185"W	16089.14	345.254	0.25	0.13	0.21	



Actual Wellpath Report

Carnegie 15H Proj: 27052'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Carnegie 15H
Field	Marion	API	47-049-02527
Facility	Carnegie Pad	Wellbore	Carnegie 15H
Slot	Slot 15		

WELLPATH DATA (299 stations) † = interpolated, ‡ = extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	TVDSS (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
24523.00	90.230	335.290	7758.07	6412.07	16179.29	15646.53	-4135.22	1731711.57	389954.83	39°34'0.3078"N	80°27'6.0391"W	16183.75	345.198	0.47	-0.06	-0.47	
24618.00	90.320	332.520	7757.61	6411.61	16272.64	15731.82	-4177.03	1731669.78	390040.13	39°34'1.1484"N	80°27'6.5846"W	16276.91	345.130	2.88	0.09	-2.87	
24713.00	90.290	335.240	7757.11	6411.11	16366.40	15817.11	-4218.65	1731627.94	390125.42	39°34'1.9850"N	80°27'7.1301"W	16370.08	345.065	2.86	-0.03	2.86	
24808.00	90.110	335.260	7756.78	6410.78	16460.33	15903.38	-4258.62	1731588.17	390211.69	39°34'2.8335"N	80°27'7.6498"W	16463.70	345.009	0.19	-0.19	0.00	
24903.00	90.280	335.500	7756.47	6410.47	16554.29	15989.74	-4298.20	1731548.99	390296.05	39°34'3.6822"N	80°27'8.1691"W	16557.97	344.954	0.00	0.19	0.25	
24998.00	90.750	335.960	7755.63	6409.63	16648.34	16076.34	-4337.24	1731509.55	390384.85	39°34'4.5347"N	80°27'8.6770"W	16651.14	344.902	0.71	0.52	0.49	
25093.00	90.260	335.150	7754.80	6408.80	16742.34	16162.82	-4376.55	1731470.24	390471.13	39°34'5.3653"N	80°27'9.1907"W	16744.88	344.849	1.00	-0.52	-0.55	
25188.00	91.480	336.240	7753.37	6407.37	16836.36	16249.39	-4416.65	1731431.14	390557.70	39°34'6.2367"N	80°27'9.7016"W	16838.68	344.797	1.71	1.26	1.16	
25283.00	90.140	334.300	7752.04	6406.04	16930.28	16335.66	-4455.39	1731391.40	390643.97	39°34'7.0852"N	80°27'10.2207"W	16932.35	344.744	2.47	-1.29	-2.04	
25378.00	90.640	335.980	7751.18	6405.18	17023.19	16423.84	-4494.91	1731351.87	390729.25	39°34'7.9239"N	80°27'10.7370"W	17023.02	344.691	1.98	0.83	1.73	
25472.00	90.420	335.390	7750.03	6404.03	17117.22	16507.50	-4534.04	1731312.75	390815.80	39°34'8.7753"N	80°27'11.2484"W	17118.85	344.642	0.81	-0.55	-0.60	
25567.00	90.420	336.470	7749.33	6403.33	17211.19	16593.89	-4573.64	1731273.25	390902.20	39°34'9.6250"N	80°27'11.7645"W	17212.63	344.591	0.08	0.00	0.06	
25662.00	90.600	336.180	7748.49	6402.49	17305.14	16680.22	-4613.20	1731233.59	390988.52	39°34'10.4740"N	80°27'12.2826"W	17305.39	344.540	0.38	0.19	-0.31	
25757.00	90.450	335.270	7747.62	6401.62	17399.66	16766.47	-4653.01	1731193.78	391074.77	39°34'11.3223"N	80°27'12.8027"W	17400.14	344.490	0.18	-0.16	0.06	
25852.00	90.380	335.370	7747.00	6401.00	17493.89	16853.85	-4693.47	1731153.82	391161.87	39°34'12.1796"N	80°27'13.3273"W	17494.91	344.439	0.72	-0.17	-0.00	
25947.00	90.260	335.400	7746.55	6400.55	17586.94	16939.08	-4732.40	1731114.39	391247.39	39°34'13.0199"N	80°27'13.8398"W	17587.73	344.391	0.14	-0.23	0.14	
26042.00	85.830	335.990	7746.47	6400.47	17680.87	17029.35	-4772.16	1731074.61	391333.65	39°34'13.8884"N	80°27'14.3596"W	17681.53	344.342	0.58	-0.45	-0.33	
26137.00	90.260	335.050	7746.45	6400.40	17774.76	17111.50	-4812.22	1731034.57	391419.81	39°34'14.7156"N	80°27'14.8825"W	17775.29	344.293	0.45	0.45	-0.04	
26232.00	90.110	335.220	7746.09	6400.09	17868.68	17197.70	-4852.17	1730994.62	391506.00	39°34'15.5633"N	80°27'15.4043"W	17869.09	344.244	0.24	-0.16	0.18	
26327.00	90.140	335.320	7745.68	6399.68	17962.60	17283.88	-4891.91	1730954.16	391592.29	39°34'16.4119"N	80°27'15.9237"W	17962.99	344.197	0.11	0.03	0.13	
26422.00	90.050	335.040	7745.73	6399.73	18056.51	17370.21	-4931.79	1730915.00	391678.51	39°34'17.2595"N	80°27'16.4444"W	18056.78	344.150	0.31	-0.59	-0.29	
26516.00	90.260	335.170	7745.47	6399.47	18149.42	17455.47	-4971.36	1730875.43	391763.78	39°34'18.0985"N	80°27'16.9613"W	18149.60	344.103	0.28	0.22	0.14	
26611.00	90.020	335.060	7745.24	6399.24	18243.32	17541.65	-5011.33	1730835.46	391849.96	39°34'18.9460"N	80°27'17.4835"W	18243.44	344.056	0.28	-0.29	-0.12	
26706.00	89.110	334.890	7745.13	6399.13	18337.18	17627.73	-5051.52	1730795.27	391936.04	39°34'19.7925"N	80°27'18.0083"W	18337.25	344.008	0.20	0.06	-0.18	
26801.00	89.230	335.230	7744.80	6398.80	18431.07	17713.87	-5091.66	1730755.21	392022.13	39°34'20.6397"N	80°27'18.5316"W	18431.10	343.964	0.10	0.19	0.36	
26896.00	90.320	335.130	7744.29	6398.29	18524.98	17800.10	-5131.45	1730715.34	392108.40	39°34'21.4877"N	80°27'19.0525"W	18524.99	343.919	0.11	0.03	-0.11	
26991.00	90.230	335.630	7744.00	6398.00	18596.30	17856.46	-5157.28	1730689.51	392194.77	39°34'22.0420"N	80°27'19.3900"W	18596.31	343.890	0.82	-0.15	0.81	
27086.00	90.110	335.300	7743.79	6397.79	18654.66	17919.23	-5185.93	1730660.80	392281.53	39°34'22.8593"N	80°27'19.7844"W	18654.56	343.859	0.51	-0.17	-0.48	Final Survey
27092.00†	90.110	335.300	7743.74	6397.74	18679.20	17941.94	-5196.38	1730650.41	392290.25	39°34'22.8827"N	80°27'19.8009"W	18679.29	343.848	0.00	0.00	0.00	Projection to TD

TARGETS

Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
Carnegie 15H - LP	7720.98	1531.33	2458.83	1733306.61	376639.67	39°31'41.4847"N	80°26'39.9781"W	point
Carnegie 15H - BHL	7879.10	17944.83	-5185.60	1730651.19	392253.13	39°34'22.9113"N	80°27'19.8913"W	point

WELLPATH COMPOSITION - Ref Wellbore: Carnegie 15H Ref Wellpath: Carnegie 15H Proj: 27052'

Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2819.00	BH Generic gyro - northseeking (Standard)	01-Gyro	Carnegie 15H	4/24/2024
2619.00	7843.00	OWSG MWD rev2 - Standard	02-SDI MWD	Carnegie 15H	4/24/2024
7843.00	27062.00	OWSG MWD rev2 + IFR* + Seg = Multi-Station Correction	03-BH Lucida+SuperiorQC IFR1+Seg+FOIR <8 1/2"> (7909~27007)	Carnegie 15H	6/20/2024

09/19/2025