



Actual Wellpath Report

Radcliff 10H ST01 Proj: 23158'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 10H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 10H ST01
Slot	Slot 10	Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Meyedavr
Scale	0.999941	Report Generated	3/14/2024 at 3:03:38 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	-112.74	-10.42	1735583.85	397557.18	39°35'15.8465"N	80°26'17.6077"W
Facility Reference Pt			1735594.27	397669.91	39°35'16.9617"N	80°26'17.4896"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 (RT) to Facility Vertical Datum	1521.00ft
Horizontal Reference Pt	Slot	Patterson 292 (RT) to Mean Sea Level	1521.00ft
Vertical Reference Pt	Patterson 292 (RT)	Patterson 292 (RT) to Ground Level at Slot (Slot 10)	28.00ft
MD Reference Pt	Patterson 292 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	157.61°

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WELLPATH DATA (273 stations) † = interpolated, ‡ = extrapolated station															
MD (ft)	Inclination [°]	Azimuth [°]	TVD (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 [°/100ft]
0.00†	0.00	164.420	0.00	0.00	0.00	0.00	1735583.85	397557.18	39°35'15.8465°N	80°26'17.6077°W	0.00	0.000	0.00	0.00	0.00
28.00	0.00	164.420	28.00	0.00	0.00	0.00	1735583.85	397557.18	39°35'15.8465°N	80°26'17.6077°W	0.00	0.000	0.00	0.00	0.00
137.00	0.840	164.420	137.00	0.79	-0.77	0.21	1735584.06	397556.41	39°35'15.8389°N	80°26'17.6048°W	0.80	164.420	0.77	0.77	0.00
168.00	0.740	154.320	167.99	1.22	-1.17	0.36	1735584.21	397556.01	39°35'15.8350°N	80°26'17.6029°W	1.22	162.776	0.55	-0.32	-32.58
196.00	0.680	149.410	195.99	1.56	-1.47	0.53	1735584.38	397555.71	39°35'15.8320°N	80°26'17.6008°W	1.57	160.397	0.30	-0.21	-17.54
224.00	0.840	154.710	223.99	1.93	-1.80	0.70	1735584.55	397555.38	39°35'15.8288°N	80°26'17.5985°W	1.93	158.856	0.62	0.57	18.93
252.00	0.910	169.040	251.99	2.36	-2.21	0.83	1735584.68	397554.97	39°35'15.8248°N	80°26'17.5968°W	2.36	159.451	0.82	0.25	51.18
281.00	0.920	166.760	280.98	2.81	-2.66	0.92	1735584.77	397554.52	39°35'15.8203°N	80°26'17.5955°W	2.82	160.834	0.13	0.03	-7.86
309.00	0.950	168.550	308.98	3.26	-3.11	1.02	1735584.87	397554.07	39°35'15.8159°N	80°26'17.5942°W	3.27	161.787	0.15	0.11	6.39
337.00	0.980	165.180	336.97	3.72	-3.56	1.13	1735584.98	397553.62	39°35'15.8115°N	80°26'17.5928°W	3.74	162.419	0.20	0.04	-12.04
364.00	0.900	156.830	363.97	4.16	-3.97	1.27	1735585.12	397553.21	39°35'15.8074°N	80°26'17.5909°W	4.17	162.285	0.55	-0.22	-30.93
392.00	1.010	180.550	391.97	4.61	-4.42	1.35	1735585.20	397552.76	39°35'15.8030°N	80°26'17.5898°W	4.63	162.984	1.45	0.39	84.71
420.00	0.880	183.960	419.96	5.03	-4.88	1.34	1735585.19	397552.30	39°35'15.7984°N	80°26'17.5900°W	5.06	164.698	0.51	-0.46	12.18
449.00	1.020	161.710	448.96	5.48	-5.35	1.40	1735585.25	397551.83	39°35'15.7938°N	80°26'17.5891°W	5.53	165.319	1.35	0.48	-76.72
478.00	0.920	168.000	477.95	5.97	-5.82	1.53	1735585.38	397551.36	39°35'15.7891°N	80°26'17.5873°W	6.02	165.268	0.50	-0.34	21.69
511.00	0.800	170.140	510.95	6.45	-6.31	1.63	1735585.48	397550.87	39°35'15.7843°N	80°26'17.5861°W	6.52	165.551	0.38	-0.36	6.48
554.00	0.860	177.310	553.95	7.05	-6.93	1.69	1735585.54	397550.25	39°35'15.7782°N	80°26'17.5851°W	7.13	166.273	0.28	0.14	16.67
598.00	0.760	180.860	597.94	7.63	-7.55	1.70	1735585.55	397549.63	39°35'15.7721°N	80°26'17.5849°W	7.74	167.285	0.25	-0.23	8.07
640.00	0.540	131.050	639.94	8.06	-7.96	1.85	1735585.70	397549.22	39°35'15.7681°N	80°26'17.5830°W	8.17	166.923	1.39	-0.52	-118.60
682.00	0.260	33.540	681.94	8.19	-8.01	2.05	1735585.90	397549.17	39°35'15.7676°N	80°26'17.5804°W	8.27	165.639	1.50	-0.67	-232.17
724.00	0.620	7.920	723.94	7.94	-7.70	2.13	1735585.98	397549.48	39°35'15.7706°N	80°26'17.5794°W	8.00	164.515	0.96	0.86	-61.00
767.00	0.880	13.080	766.93	7.47	-7.15	2.24	1735586.09	397550.03	39°35'15.7761°N	80°26'17.5781°W	7.50	162.601	0.62	0.60	12.00
810.00	1.250	6.780	809.93	6.79	-6.37	2.37	1735586.22	397550.81	39°35'15.7839°N	80°26'17.5765°W	6.79	159.567	0.90	0.86	-14.65
853.00	1.210	355.660	852.92	5.95	-5.45	2.39	1735586.24	397551.73	39°35'15.7929°N	80°26'17.5764°W	5.95	156.287	0.56	-0.09	-25.86
897.00	1.920	352.420	896.90	4.79	-4.25	2.26	1735586.11	397552.93	39°35'15.8047°N	80°26'17.5782°W	4.82	152.013	1.63	1.61	-7.36
940.00	1.830	346.130	939.88	3.42	-2.87	2.00	1735585.85	397554.31	39°35'15.8184°N	80°26'17.5817°W	3.50	145.145	0.52	-0.21	-14.63
983.00	1.610	345.490	982.86	2.14	-1.62	1.68	1735585.53	397555.56	39°35'15.8307°N	80°26'17.5859°W	2.34	133.900	0.51	-0.51	-1.49
1025.00	1.630	331.050	1024.84	0.96	-0.53	1.25	1735585.10	397556.65	39°35'15.8415°N	80°26'17.5917°W	1.35	112.908	0.97	0.05	-34.38
1067.00	1.610	303.810	1066.82	-0.12	0.32	0.47	1735584.32	397557.50	39°35'15.8498°N	80°26'17.6017°W	0.57	55.334	1.82	-0.05	-64.88
1109.00	1.860	275.980	1108.81	-0.94	0.72	-0.70	1735583.15	397557.90	39°35'15.8536°N	80°26'17.6167°W	1.01	315.934	2.07	0.60	-66.26
1152.00	2.350	247.280	1151.78	-1.26	0.46	-2.21	1735581.64	397557.64	39°35'15.8508°N	80°26'17.6359°W	2.25	281.656	2.67	1.14	-66.74
1194.00	2.790	234.810	1193.74	-1.03	-0.47	-3.84	1735580.01	397556.71	39°35'15.8415°N	80°26'17.6566°W	3.87	263.070	1.69	1.05	-29.69
1237.00	3.500	228.720	1236.67	-0.37	-1.94	-5.68	1735578.17	397555.24	39°35'15.8268°N	80°26'17.6799°W	6.00	251.180	1.82	1.65	-14.16
1280.00	4.140	223.050	1279.58	0.70	-3.94	-7.72	1735576.13	397553.24	39°35'15.8068°N	80°26'17.7058°W	8.67	243.001	1.73	1.49	-13.19
1326.00	4.770	220.230	1325.44	2.27	-6.61	-10.09	1735573.76	397550.57	39°35'15.7802°N	80°26'17.7357°W	12.06	236.783	1.45	1.37	-6.13
1412.00	5.140	216.890	1411.12	5.88	-12.42	-14.72	1735569.14	397544.76	39°35'15.7223°N	80°26'17.7940°W	19.26	229.834	0.55	0.43	-3.88
1499.00	4.960	214.410	1497.78	9.93	-18.64	-19.18	1735564.67	397538.54	39°35'15.6603°N	80°26'17.8502°W	26.75	225.818	0.33	-0.21	-2.85
1585.00	3.320	227.790	1583.55	12.81	-23.38	-23.13	1735560.73	397533.80	39°35'15.6131°N	80°26'17.8999°W	32.89	224.686	2.20	-1.91	15.56
1672.00	2.010	262.050	1670.46	13.28	-25.28	-26.50	1735557.35	397531.90	39°35'15.5939°N	80°26'17.9428°W	36.63	226.348	2.31	-1.51	39.38
1758.00	1.450	291.000	1756.42	12.16	-25.10	-29.01	1735554.84	397532.08	39°35'15.5955°N	80°26'17.9749°W	38.37	229.132	1.19	-0.65	33.66
1845.00	1.460	301.030	1843.40	10.51	-24.14	-30.99	1735552.86	397533.04	39°35'15.6048°N	80°26'18.0003°W	39.28	232.086	0.29	0.01	11.53
1931.00	1.370	297.820	1929.37	8.84	-23.09	-32.84	1735551.01	397534.09	39°35'15.6149°N	80°26'18.0240°W	40.14	234.884	0.14	-0.10	-3.73
2018.00	1.180	273.240	2016.35	7.66	-22.56	-34.65	1735549.20	397534.62	39°35'15.6200°N	80°26'18.0473°W	41.35	236.938	0.66	-0.22	-28.25
2104.00	1.240	274.440	2102.33	6.86	-22.43	-36.46	1735547.39	397534.75	39°35'15.6211°N	80°26'18.0704°W	42.81	238.398	0.08	0.07	1.40
2191.00	1.330	277.480	2189.31	5.93	-22.23	-38.40	1735545.45	397534.95	39°35'15.6229°N	80°26'18.0952°W	44.37	239.935	0.13	0.10	3.49

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Operator	EQT PRODUCTION COMPANY	Well	Radcliff 10H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 10H ST01
Slot	Slot 10	Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

WELLPATH DATA (273 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [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]
2277.00	1.670	287.520	2275.28	4.63	-21.72	-40.59	1735543.26	397535.46	39°35'15.6277"N	80°26'18.1232"W	46.04	241.844	0.50	0.40	11.67
2363.00	1.940	272.110	2361.24	3.22	-21.29	-43.24	1735540.61	397535.89	39°35'15.6316"N	80°26'18.1571"W	48.20	243.782	0.64	0.31	-17.92
2450.00	2.470	261.420	2448.17	2.16	-21.52	-46.56	1735537.29	397535.66	39°35'15.6291"N	80°26'18.1995"W	51.29	245.197	0.77	0.61	-12.29
2536.00	2.410	258.730	2534.09	1.37	-22.15	-50.17	1735533.68	397535.03	39°35'15.6225"N	80°26'18.2455"W	54.84	246.180	0.15	-0.07	-3.13
2622.00	1.920	265.210	2620.03	0.59	-22.62	-53.38	1735530.48	397534.56	39°35'15.6175"N	80°26'18.2864"W	57.97	247.033	0.64	-0.57	7.53
2709.00	1.840	280.030	2706.99	-0.60	-22.50	-56.21	1735527.65	397534.68	39°35'15.6184"N	80°26'18.3225"W	60.54	248.183	0.56	-0.09	17.03
2767.00	2.000	279.080	2764.95	-1.63	-22.18	-58.12	1735525.73	397535.00	39°35'15.6214"N	80°26'18.3471"W	62.21	249.114	0.28	0.28	-1.64
2811.00	2.370	293.180	2808.92	-2.68	-21.70	-59.72	1735524.14	397535.48	39°35'15.6259"N	80°26'18.3675"W	63.54	250.031	1.48	0.84	32.05
2854.00	2.150	276.940	2851.89	-3.71	-21.25	-61.33	1735522.52	397535.93	39°35'15.6302"N	80°26'18.3882"W	64.91	250.890	1.57	-0.51	-37.77
2940.00	4.170	232.120	2937.76	-3.67	-22.98	-65.40	1735518.45	397534.20	39°35'15.6127"N	80°26'18.4400"W	69.32	250.644	3.54	2.35	-52.12
3027.00	6.720	238.530	3024.37	-2.02	-27.58	-72.24	1735511.61	397529.60	39°35'15.5665"N	80°26'18.5267"W	77.33	249.107	3.01	2.93	7.37
3113.00	6.310	239.610	3109.81	-0.57	-32.59	-80.61	1735503.24	397524.59	39°35'15.5161"N	80°26'18.6329"W	86.95	247.985	0.50	-0.48	1.26
3199.00	5.590	236.740	3195.35	0.88	-37.28	-88.19	1735495.66	397519.90	39°35'15.4690"N	80°26'18.7291"W	95.75	247.084	0.91	-0.84	-3.34
3286.00	6.320	243.240	3281.88	2.05	-41.76	-96.01	1735487.84	397515.42	39°35'15.4239"N	80°26'18.8284"W	104.70	246.492	1.14	0.84	7.47
3372.00	6.740	245.320	3367.32	2.61	-46.00	-104.82	1735479.03	397511.18	39°35'15.3811"N	80°26'18.9404"W	114.47	246.306	0.56	0.49	2.42
3458.00	6.470	243.900	3452.75	3.13	-50.24	-113.76	1735470.10	397506.94	39°35'15.3383"N	80°26'19.0539"W	124.36	246.172	0.37	-0.31	-1.65
3545.00	5.990	243.520	3539.23	3.77	-54.42	-122.23	1735461.63	397502.76	39°35'15.2961"N	80°26'19.1615"W	133.79	245.999	0.55	-0.55	-0.44
3631.00	6.310	242.120	3624.74	4.54	-58.63	-130.42	1735453.44	397498.55	39°35'15.2536"N	80°26'19.2656"W	142.99	245.793	0.41	0.37	-1.63
3718.00	6.960	244.820	3711.16	5.25	-63.11	-139.42	1735444.44	397494.07	39°35'15.2084"N	80°26'19.3799"W	153.03	245.645	0.83	0.75	3.10
3804.00	6.880	244.350	3796.53	5.80	-67.56	-148.77	1735435.08	397489.63	39°35'15.1635"N	80°26'19.4988"W	163.39	245.578	0.11	-0.09	-0.55
3891.00	8.010	248.470	3882.80	6.01	-72.04	-159.11	1735424.75	397485.15	39°35'15.1182"N	80°26'19.6303"W	174.66	245.642	1.44	1.30	4.74
3977.00	8.450	245.540	3967.91	6.14	-76.85	-170.44	1735413.42	397480.33	39°35'15.0694"N	80°26'19.7743"W	186.96	245.729	0.71	0.51	-3.41
4063.00	7.700	246.250	4053.06	6.51	-81.79	-181.46	1735402.40	397475.40	39°35'15.0195"N	80°26'19.9144"W	199.04	245.738	0.88	-0.87	0.83
4150.00	7.770	243.810	4139.27	7.04	-86.73	-192.07	1735391.79	397470.45	39°35'14.9696"N	80°26'20.0493"W	210.75	245.698	0.39	0.08	-2.80
4236.00	8.370	239.240	4224.41	8.34	-92.50	-202.67	1735381.19	397464.69	39°35'14.9115"N	80°26'20.1839"W	222.78	245.468	1.02	0.70	-5.31
4322.00	7.480	236.970	4309.59	10.28	-98.75	-212.74	1735371.12	397458.43	39°35'14.8486"N	80°26'20.3117"W	234.54	245.100	1.10	-1.03	-2.64
4409.00	8.490	240.310	4395.75	12.14	-105.02	-223.07	1735360.80	397452.17	39°35'14.7856"N	80°26'20.4427"W	246.55	244.789	1.28	1.16	3.84
4495.00	7.820	240.220	4480.88	13.70	-111.07	-233.66	1735350.20	397446.12	39°35'14.7247"N	80°26'20.5772"W	258.72	244.576	0.78	-0.78	-0.10
4582.00	7.010	235.400	4567.15	15.59	-117.02	-243.17	1735340.70	397440.16	39°35'14.6649"N	80°26'20.6978"W	269.86	244.301	1.17	-0.93	-5.54
4668.00	7.420	237.530	4652.47	17.67	-122.99	-252.17	1735331.69	397434.20	39°35'14.6051"N	80°26'20.8121"W	280.57	244.001	0.57	0.48	2.48
4754.00	7.200	241.730	4737.77	19.19	-128.52	-261.61	1735322.26	397428.67	39°35'14.5494"N	80°26'20.9318"W	291.47	243.836	0.67	-0.26	4.88
4841.00	6.830	236.640	4824.12	20.74	-133.95	-270.73	1735313.14	397423.24	39°35'14.4948"N	80°26'21.0476"W	302.05	243.675	0.83	-0.43	-5.85
4927.00	7.010	243.330	4909.50	22.10	-139.11	-279.69	1735304.18	397418.07	39°35'14.4428"N	80°26'21.1613"W	312.38	243.555	0.96	0.21	7.78
5014.00	7.360	243.590	4995.81	22.89	-143.98	-289.42	1735294.44	397413.21	39°35'14.3938"N	80°26'21.2850"W	323.26	243.552	0.40	0.40	0.30
5091.00	6.960	242.120	5072.21	23.88	-148.35	-297.96	1735285.90	397408.84	39°35'14.3497"N	80°26'21.3935"W	332.85	243.532	0.57	-0.52	-1.91
5177.00	7.660	244.940	5157.51	24.45	-153.22	-307.76	1735276.11	397403.97	39°35'14.3006"N	80°26'21.5180"W	343.79	243.534	0.91	0.81	3.28
5263.00	8.500	243.430	5242.66	25.18	-158.49	-318.64	1735265.23	397398.70	39°35'14.2474"N	80°26'21.6562"W	355.88	243.555	1.01	0.98	-1.76
5350.00	8.460	243.030	5328.71	26.16	-164.26	-330.09	1735253.78	397392.93	39°35'14.1891"N	80°26'21.8017"W	368.71	243.544	0.08	-0.05	-0.46
5436.00	8.160	244.380	5413.80	27.01	-169.77	-341.24	1735242.64	397387.42	39°35'14.1335"N	80°26'21.9433"W	381.14	243.549	0.42	-0.35	1.57
5523.00	8.000	242.710	5499.94	27.87	-175.22	-352.18	1735231.69	397381.97	39°35'14.0785"N	80°26'22.0824"W	393.36	243.549	0.33	-0.18	-1.92
5609.00	7.950	240.570	5585.11	29.11	-180.88	-362.68	1735221.19	397376.31	39°35'14.0215"N	80°26'22.2157"W	405.29	243.493	0.35	-0.06	-2.49
5696.00	7.780	239.310	5671.29	30.70	-186.85	-372.98	1735210.89	397370.35	39°35'13.9615"N	80°26'22.3465"W	417.17	243.392	0.28	-0.20	-1.49
5783.00	7.970	238.120	5757.47	32.55	-193.04	-383.17	1735200.70	397364.16	39°35'13.8992"N	80°26'22.4758"W	429.05	243.262	0.29	0.22	-1.37
5869.00	8.230	239.920	5842.61	34.35	-199.27	-393.56	1735190.31	397357.92	39°35'13.8366"N	80°26'22.6077"W	441.13	243.146	0.42	0.30	2.09
5955.00	7.870	240.540	5927.76	35.90	-205.25	-404.01	1735179.86	397351.94	39°35'13.7764"N	80°26'22.7404"W	453.16	243.068	0.43	-0.42	0.72

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Actual Wellpath Report

Radcliff 10H ST01 Proj: 23158'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 10H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 10H ST01
Slot	Slot 10	Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

WELLPATH DATA (273 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (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 (°/100ft)
6042.00	8.070	240.740	6013.92	37.37	-211.17	-414.53	1735169.35	397346.03	39°35'13.7168"N	80°26'22.8738"W	465.21	243.005	0.23	0.23	0.23
6128.00	8.190	239.300	6099.06	38.97	-217.24	-425.06	1735158.82	397339.95	39°35'13.6557"N	80°26'23.0076"W	477.36	242.929	0.27	0.14	-1.67
6215.00	7.580	239.230	6185.24	40.71	-223.34	-435.32	1735148.56	397333.85	39°35'13.5943"N	80°26'23.1378"W	489.27	242.840	0.70	-0.70	-0.08
6301.00	7.540	237.500	6270.49	42.52	-229.28	-444.95	1735138.93	397327.92	39°35'13.5347"N	80°26'23.2600"W	500.55	242.739	0.27	-0.05	-2.01
6387.00	7.700	235.780	6355.73	44.70	-235.55	-454.47	1735129.40	397321.65	39°35'13.4717"N	80°26'23.3808"W	511.89	242.603	0.32	0.19	-2.00
6474.00	7.820	238.840	6441.93	46.79	-241.89	-464.36	1735119.52	397315.31	39°35'13.4081"N	80°26'23.5062"W	523.58	242.485	0.49	0.14	3.52
6551.00	8.190	236.410	6518.18	48.66	-247.63	-473.41	1735110.47	397309.56	39°35'13.3503"N	80°26'23.6210"W	534.26	242.387	0.65	0.48	-3.16
6637.00	9.250	233.480	6603.19	51.54	-255.14	-484.07	1735099.81	397302.06	39°35'13.2751"N	80°26'23.7561"W	547.19	242.208	1.34	1.23	-3.41
6723.00	9.160	236.180	6688.08	54.58	-263.06	-495.31	1735088.57	397294.14	39°35'13.1956"N	80°26'23.8987"W	560.83	242.027	0.51	-0.10	3.14
6810.00	8.770	237.210	6774.02	57.15	-270.51	-506.64	1735077.24	397286.69	39°35'13.1209"N	80°26'24.0424"W	574.33	241.901	0.48	-0.45	1.18
6896.00	8.870	236.650	6859.00	59.60	-277.70	-517.69	1735066.19	397279.50	39°35'13.0486"N	80°26'24.1825"W	587.47	241.790	0.15	0.12	-0.65
6983.00	8.480	241.700	6945.01	61.53	-284.43	-528.94	1735054.94	397272.77	39°35'12.9145"N	80°26'24.3253"W	600.56	241.731	0.98	-0.45	5.80
7069.00	5.120	251.800	7030.39	61.90	-288.64	-538.17	1735045.71	397268.56	39°35'12.9384"N	80°26'24.4427"W	610.69	241.794	4.13	-3.91	11.74
7110.00	3.530	221.190	7071.28	62.33	-290.16	-540.74	1735043.14	397267.04	39°35'12.9231"N	80°26'24.4753"W	613.67	241.782	6.70	-3.88	-74.66
7128.00	3.590	217.590	7089.25	62.86	-291.02	-541.45	1735042.43	397266.18	39°35'12.9145"N	80°26'24.4842"W	614.70	241.743	1.29	0.33	-20.00
7254.00	7.160	217.410	7214.67	68.79	-300.39	-548.63	1735035.26	397256.81	39°35'12.8212"N	80°26'24.5747"W	625.48	241.298	2.83	2.83	-0.14
7349.00	7.520	212.820	7308.89	75.31	-310.31	-555.59	1735028.29	397246.89	39°35'12.7224"N	80°26'24.6623"W	636.38	240.815	0.72	0.38	-4.83
7444.00	11.570	175.500	7402.64	87.94	-325.05	-558.22	1735025.67	397232.15	39°35'12.5764"N	80°26'24.6939"W	645.96	239.787	7.57	4.26	-39.28
7539.00	16.090	153.710	7494.93	110.17	-346.38	-551.63	1735032.25	397210.82	39°35'12.3864"N	80°26'24.6069"W	651.37	237.875	7.18	4.76	-22.94
7635.00	23.040	153.430	7585.33	142.22	-375.14	-537.32	1735046.56	397182.06	39°35'12.0836"N	80°26'24.4203"W	655.32	235.078	7.24	7.24	-0.29
7730.00	31.330	162.430	7669.80	185.46	-415.40	-521.52	1735062.37	397141.80	39°35'11.6873"N	80°26'24.2130"W	666.74	231.461	9.72	8.73	9.47
7825.00	40.690	168.880	7746.58	240.59	-469.48	-508.05	1735075.83	397087.73	39°35'11.1544"N	80°26'24.0338"W	691.76	227.260	10.62	9.85	6.79
7920.00	49.900	169.130	7813.34	306.70	-535.69	-495.20	1735088.68	397021.52	39°35'10.5013"N	80°26'23.8608"W	729.51	222.751	9.70	9.69	0.26
8015.00	60.500	164.010	7867.51	383.64	-611.36	-476.90	1735106.98	396945.85	39°35'9.7554"N	80°26'23.6170"W	775.37	217.956	12.00	11.16	-5.39
8109.00	71.200	160.010	7905.92	469.03	-692.76	-450.33	1735133.54	396864.46	39°35'8.9537"N	80°26'23.2668"W	826.27	213.026	12.02	11.38	-4.26
8205.00	78.290	155.640	7931.18	561.56	-778.43	-415.35	1735168.52	396778.80	39°35'8.1107"N	80°26'22.8086"W	882.31	208.083	8.59	7.39	-4.55
8300.00	82.600	153.810	7946.94	655.10	-863.12	-375.36	1735208.52	396694.12	39°35'7.2779"N	80°26'22.2865"W	941.20	203.504	4.92	4.54	-1.93
8396.00	88.750	155.560	7954.18	750.65	-949.61	-334.45	1735249.42	396607.83	39°35'6.4273"N	80°26'21.7525"W	1008.78	199.402	6.66	6.41	1.82
8491.00	87.450	155.130	7957.33	845.52	-1035.90	-294.85	1735289.02	396521.35	39°35'5.5787"N	80°26'21.2352"W	1077.04	195.888	1.44	-1.37	-0.45
8585.00	89.360	154.130	7959.95	939.35	-1120.79	-254.59	1735329.28	396436.46	39°35'4.7438"N	80°26'20.7097"W	1149.34	192.798	2.29	2.03	-1.06
8680.00	89.700	157.200	7960.72	1034.28	-1207.34	-215.45	1735368.42	396349.91	39°35'3.8925"N	80°26'20.1982"W	1226.41	190.118	3.25	0.36	3.23
8775.00	89.890	158.350	7961.06	1129.28	-1295.28	-179.51	1735404.35	396261.98	39°35'3.0272"N	80°26'19.7276"W	1307.66	187.890	1.23	0.20	1.21
8869.00	89.770	155.380	7961.34	1223.26	-1381.71	-142.59	1735441.27	396175.55	39°35'2.1768"N	80°26'19.2444"W	1389.05	185.892	3.16	-0.13	-3.16
8965.00	90.040	155.710	7961.50	1319.20	-1469.10	-102.84	1735481.01	396088.17	39°35'1.3173"N	80°26'18.7252"W	1472.69	184.004	0.44	0.28	0.34
9060.00	89.770	155.500	7961.66	1414.14	-1555.62	-63.61	1735520.25	396001.66	39°35'0.4663"N	80°26'18.2125"W	1556.92	182.341	0.36	-0.28	-0.22
9155.00	89.430	155.040	7962.32	1509.05	-1641.90	-23.87	1735559.99	395915.38	39°34'59.6177"N	80°26'17.6935"W	1642.07	180.833	0.60	-0.36	-0.48
9250.00	89.300	155.930	7963.38	1603.98	-1728.33	15.55	1735599.40	395828.96	39°34'58.7676"N	80°26'17.1786"W	1728.40	179.485	0.95	-0.14	0.94
9439.00	89.770	156.110	7964.91	1792.90	-1901.01	92.36	1735676.20	395656.29	39°34'57.0690"N	80°26'16.1746"W	1903.25	177.218	0.27	0.25	0.10
9534.00	89.400	157.300	7965.60	1887.89	-1988.26	129.93	1735713.77	395569.04	39°34'56.2106"N	80°26'15.6832"W	1992.50	176.261	1.31	-0.39	1.25
9629.00	89.520	154.550	7966.49	1982.83	-2074.99	168.68	1735752.52	395482.32	39°34'55.3575"N	80°26'15.1767"W	2081.83	175.353	2.90	0.13	-2.89
9724.00	89.860	154.850	7967.01	2077.71	-2160.87	209.27	1735793.11	395396.44	39°34'54.5129"N	80°26'14.6468"W	2170.98	174.468	0.48	0.36	0.32
9819.00	89.860	155.960	7967.24	2172.64	-2247.25	248.81	1735832.65	395310.07	39°34'53.6633"N	80°26'14.1304"W	2260.98	173.682	1.17	0.00	1.17
9913.00	89.580	155.950	7967.70	2266.59	-2333.09	287.11	1735870.94	395224.23	39°34'52.8189"N	80°26'13.6298"W	2350.69	172.984	0.30	-0.30	-0.01
10009.00	89.830	152.470	7968.19	2362.41	-2419.52	328.87	1735912.70	395137.81	39°34'51.9691"N	80°26'13.0850"W	2441.77	172.260	3.63	0.26	-3.63
10103.00	89.490	152.320	7968.75	2456.02	-2502.82	372.43	1735956.26	395054.52	39°34'51.1504"N	80°26'12.5176"W	2530.37	171.536	0.40	-0.36	-0.16

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Actual Wellpath Report

Radcliff 10H ST01 Proj: 23158'

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REFERENCE WELLPATH IDENTIFICATION					
Operator	EQT PRODUCTION COMPANY			Well	Radcliff 10H
Field	Marion			API/Legal	
Facility	Radcliff Pad			Wellbore	Radcliff 10H ST01
Slot	Slot 10			Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

WELLPATH DATA (273 stations)															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [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]
10198.00	89.300	152.890	7969.75	2550.65	-2587.16	416.14	1735999.96	394970.18	39°34'50.3214"N	80°26'11.9482"W	2620.41	170.862	0.63	-0.20	0.60
10293.00	90.320	154.770	7970.07	2645.44	-2672.41	458.03	1736041.86	394884.93	39°34'49.4832"N	80°26'11.4018"W	2711.38	170.274	2.25	1.07	1.98
10388.00	89.520	153.850	7970.20	2740.28	-2758.02	499.22	1736083.03	394799.33	39°34'48.6414"N	80°26'10.8645"W	2802.84	169.740	1.28	-0.84	-0.97
10482.00	89.640	154.600	7970.89	2834.11	-2842.67	540.09	1736123.91	394714.69	39°34'47.8091"N	80°26'10.3312"W	2893.52	169.242	0.81	0.13	0.80
10577.00	89.520	153.720	7971.59	2928.93	-2928.16	581.49	1736165.31	394629.20	39°34'46.9684"N	80°26'9.7911"W	2985.34	168.768	0.93	-0.13	-0.93
10671.00	89.830	155.610	7972.12	3022.80	-3013.12	621.71	1736205.53	394544.25	39°34'46.1330"N	80°26'9.2661"W	3076.59	168.341	2.04	0.33	2.01
10766.00	89.670	155.160	7972.54	3117.73	-3099.48	661.28	1736245.09	394457.89	39°34'45.2835"N	80°26'8.7493"W	3169.24	167.956	0.50	-0.17	-0.47
10862.00	89.580	153.410	7973.16	3213.56	-3185.97	702.93	1736286.74	394371.40	39°34'44.4331"N	80°26'8.2059"W	3262.60	167.558	1.83	-0.09	-1.82
10957.00	89.920	154.840	7973.58	3308.38	-3271.44	744.39	1736328.20	394285.94	39°34'43.5926"N	80°26'7.6651"W	3355.07	167.181	1.55	0.36	1.51
11051.00	89.550	154.130	7974.01	3402.24	-3356.27	784.88	1736368.88	394201.11	39°34'42.7584"N	80°26'7.1368"W	3446.83	166.838	0.85	-0.39	-0.76
11146.00	89.580	153.880	7974.73	3497.05	-3441.66	826.52	1736410.32	394115.73	39°34'41.9189"N	80°26'6.5937"W	3539.51	166.496	0.27	0.03	-0.26
11240.00	90.410	154.260	7974.74	3590.87	-3526.20	867.62	1736451.42	394031.20	39°34'41.0877"N	80°26'6.0575"W	3631.37	166.177	0.97	0.88	0.40
11336.00	89.800	152.950	7974.57	3686.63	-3612.19	910.30	1736494.09	393945.21	39°34'40.2422"N	80°26'5.5011"W	3725.12	165.856	1.51	-0.64	-1.36
11431.00	89.920	153.370	7974.80	3781.35	-3696.95	953.19	1736536.98	393860.45	39°34'39.4089"N	80°26'4.9421"W	3817.86	165.542	0.46	0.13	0.44
11525.00	90.010	155.520	7974.86	3875.20	-3781.75	993.74	1736577.53	393775.66	39°34'38.5751"N	80°26'4.4131"W	3910.13	165.277	2.29	0.10	2.29
11621.00	90.130	155.820	7974.74	3971.14	-3869.22	1033.29	1736617.08	393688.19	39°34'37.7147"N	80°26'3.8964"W	4004.82	165.048	0.34	0.12	0.31
11716.00	89.920	155.390	7974.70	4066.08	-3955.74	1072.53	1736656.31	393601.68	39°34'36.8637"N	80°26'3.3838"W	4098.56	164.830	0.50	-0.22	-0.45
11811.00	90.130	156.250	7974.66	4161.04	-4042.41	1111.44	1736695.22	393515.02	39°34'36.0112"N	80°26'2.8754"W	4192.42	164.627	0.93	0.22	0.91
11905.00	89.830	153.650	7974.69	4254.93	-4127.56	1151.23	1736735.01	393429.87	39°34'35.1737"N	80°26'2.3559"W	4285.10	164.415	2.78	-0.32	-2.77
12000.00	89.760	153.600	7975.03	4349.70	-4212.67	1193.44	1736777.21	393344.77	39°34'34.3370"N	80°26'1.8056"W	4378.46	164.183	0.09	-0.07	-0.05
12095.00	89.920	155.170	7975.29	4444.54	-4298.33	1234.51	1736818.28	393259.11	39°34'33.4946"N	80°26'1.2698"W	4472.10	163.976	1.66	0.17	1.65
12189.00	89.430	155.240	7975.83	4538.46	-4383.66	1273.93	1736857.70	393173.79	39°34'32.6554"N	80°26'0.7551"W	4565.02	163.796	0.53	-0.52	0.07
12284.00	89.270	154.480	7976.91	4633.34	-4469.66	1314.28	1736898.05	393087.80	39°34'31.8096"N	80°26'0.2283"W	4658.88	163.614	0.82	-0.17	-0.80
12379.00	89.860	156.400	7977.63	4728.26	-4556.05	1353.77	1736937.53	393001.40	39°34'30.9598"N	80°25'59.7127"W	4752.93	163.451	2.11	0.62	2.02
12474.00	90.440	157.530	7977.38	4823.26	-4643.48	1390.84	1736974.70	392913.99	39°34'30.0997"N	80°25'59.2264"W	4847.33	163.325	1.34	0.61	1.19
12568.00	89.790	156.070	7977.19	4917.24	-4729.87	1427.97	1737011.73	392827.60	39°34'29.2497"N	80°25'58.7421"W	4940.73	163.201	1.70	-0.69	-1.55
12663.00	90.720	155.620	7976.77	5012.20	-4816.55	1466.84	1737050.60	392740.92	39°34'28.3970"N	80°25'58.2342"W	5034.96	163.062	1.09	0.98	-0.47
12758.00	89.700	156.460	7976.42	5107.16	-4903.36	1505.42	1737089.18	392654.11	39°34'27.5431"N	80°25'57.7300"W	5129.26	162.933	1.39	-1.07	0.88
12853.00	89.670	155.990	7976.94	5202.13	-4990.30	1543.72	1737127.47	392567.18	39°34'26.6878"N	80°25'57.2295"W	5223.62	162.811	0.50	-0.03	-0.49
12948.00	89.490	154.930	7977.64	5297.06	-5076.72	1583.17	1737166.93	392480.77	39°34'25.8378"N	80°25'56.7142"W	5317.85	162.680	1.13	-0.19	-1.12
13043.00	89.760	154.830	7978.26	5391.95	-5162.73	1623.50	1737207.25	392394.77	39°34'24.9919"N	80°25'56.1878"W	5411.98	162.543	0.30	0.28	-0.11
13138.00	89.890	155.240	7978.55	5486.85	-5248.85	1663.60	1737247.34	392308.65	39°34'24.1449"N	80°25'55.6644"W	5506.18	162.414	0.45	0.14	0.43
13233.00	90.130	155.050	7978.53	5581.76	-5335.05	1703.53	1737287.27	392222.45	39°34'23.2971"N	80°25'55.1431"W	5600.43	162.291	0.32	0.25	-0.20
13328.00	90.160	155.070	7978.29	5676.67	-5421.19	1743.59	1737327.33	392136.32	39°34'22.4499"N	80°25'54.6202"W	5694.68	162.171	0.04	0.03	0.02
13423.00	90.100	155.590	7978.08	5771.59	-5507.52	1783.24	1737366.98	392049.99	39°34'21.6008"N	80°25'54.1024"W	5789.02	162.059	0.55	-0.06	0.55
13518.00	90.130	155.050	7977.89	5866.52	-5593.84	1822.90	1737406.64	391963.68	39°34'20.7518"N	80°25'53.5844"W	5883.37	161.950	0.57	0.03	-0.57
13613.00	90.040	154.970	7977.74	5961.42	-5679.95	1863.04	1737446.77	391877.58	39°34'19.9050"N	80°25'53.0606"W	5977.69	161.840	0.13	-0.09	-0.08
13708.00	90.380	155.450	7977.40	6056.33	-5766.19	1902.87	1737486.60	391791.34	39°34'19.0567"N	80°25'52.5405"W	6072.06	161.737	0.62	0.36	0.51
13803.00	89.730	154.560	7977.31	6151.23	-5852.30	1943.01	1737526.74	391705.24	39°34'18.2099"N	80°25'52.0166"W	6165.41	161.633	1.16	-0.68	-0.94
13898.00	89.640	154.110	7977.83	6246.08	-5937.92	1984.16	1737567.88	391619.62	39°34'17.3679"N	80°25'51.4798"W	6260.65	161.523	0.48	-0.09	-0.47
13994.00	89.610	154.410	7978.46	6341.91	-6024.39	2025.85	1737609.57	391533.15	39°34'16.5176"N	80°25'50.9360"W	6355.89	161.414	0.31	-0.03	0.31
14089.00	89.880	155.570	7978.88	6436.81	-6110.48	2066.01	1737649.73	391447.07	39°34'15.6709"N	80°25'50.4118"W	6450.30	161.319	1.25	0.28	1.22
14184.00	89.950	155.690	7979.02	6531.75	-6197.02	2105.21	1737688.93	391360.54	39°34'14.8197"N	80°25'49.8998"W	6544.84	161.237	0.15	0.07	0.13
14279.00	90.250	156.010	7978.85	6626.70	-6283.70	2144.08	1737727.79	391273.86	39°34'13.9670"N	80°25'49.3921"W	6639.43	161.160	0.46	0.32	0.34
14375.00	89.980	155.800	7978.66	6722.66	-6371.34	2183.27	1737766.98	391186.23	39°34'13.1049"N	80°25'48.8800"W	6735.03	161.085	0.36	-0.28	-0.22

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Actual Wellpath Report

Radcliff 10H ST01 Proj: 23158'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Radcliff 10H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 10H ST01
Slot	Slot 10	Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

WELLPATH DATA (273 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [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 [°/100ft]
14470.00	89.950	155.140	7978.72	6817.60	-6457.77	2222.71	1737806.42	391099.81	39°34'12.2549"N	80°25'48.3650"W	6829.58	161.007	0.70	-0.03	-0.69
14564.00	89.640	154.970	7979.06	6911.50	-6543.00	2262.35	1737846.06	391014.58	39°34'11.4166"N	80°25'47.8475"W	6923.08	160.926	0.38	-0.33	-0.18
14659.00	90.130	154.860	7979.25	7006.40	-6629.03	2302.63	1737886.34	390928.55	39°34'10.5704"N	80°25'47.3219"W	7017.56	160.845	0.53	0.52	-0.12
14754.00	90.100	154.830	7979.06	7101.28	-6715.02	2343.01	1737926.72	390842.57	39°34'9.7248"N	80°25'46.7949"W	7112.05	160.765	0.04	-0.03	-0.03
14849.00	90.350	155.300	7978.68	7196.19	-6801.17	2383.06	1737966.76	390756.43	39°34'8.8775"N	80°25'46.2721"W	7206.59	160.690	0.56	0.26	-0.48
14945.00	90.650	155.290	7977.84	7292.11	-6888.38	2423.18	1738006.88	390669.22	39°34'8.0197"N	80°25'45.7483"W	7302.16	160.619	0.31	0.31	-0.01
15040.00	90.560	155.440	7976.84	7387.03	-6974.73	2462.78	1738046.48	390582.88	39°34'7.1704"N	80°25'45.2313"W	7396.76	160.552	0.18	-0.09	0.16
15136.00	90.530	155.370	7975.93	7482.95	-7062.01	2502.73	1738086.43	390495.60	39°34'6.3119"N	80°25'44.7096"W	7492.38	160.486	0.08	-0.03	-0.07
15231.00	90.340	154.390	7975.21	7577.84	-7148.02	2543.06	1738126.75	390409.59	39°34'5.4660"N	80°25'44.1833"W	7586.92	160.416	1.05	-0.20	-1.03
15325.00	90.370	154.250	7974.62	7671.68	-7232.74	2583.79	1738167.49	390324.88	39°34'4.6330"N	80°25'43.6520"W	7680.40	160.341	0.15	0.03	-0.15
15420.00	90.370	155.020	7974.01	7766.55	-7318.58	2624.49	1738208.18	390239.05	39°34'3.7888"N	80°25'43.1211"W	7774.93	160.272	0.81	0.00	0.81
15515.00	90.410	154.870	7973.36	7861.45	-7404.64	2664.72	1738248.41	390153.00	39°34'2.9424"N	80°25'42.5960"W	7869.52	160.208	0.16	0.04	-0.16
15611.00	90.440	154.740	7972.65	7957.33	-7491.50	2705.58	1738289.27	390066.14	39°34'2.0881"N	80°25'42.0628"W	7965.10	160.143	0.14	0.03	-0.14
15706.00	90.680	155.310	7971.72	8052.23	-7577.61	2745.69	1738329.38	389980.03	39°34'1.2412"N	80°25'41.5393"W	8059.72	160.082	0.65	0.25	0.60
15801.00	90.470	155.000	7970.77	8147.14	-7663.82	2785.61	1738369.29	389893.83	39°34'0.3934"N	80°25'41.0183"W	8164.37	160.025	0.39	-0.22	-0.33
15896.00	90.340	154.920	7970.10	8242.03	-7749.88	2825.82	1738409.49	389807.77	39°33'59.5469"N	80°25'40.4936"W	8249.00	159.967	0.16	-0.14	-0.06
15991.00	90.340	154.820	7969.54	8336.92	-7835.89	2866.16	1738449.83	389721.77	39°33'58.7010"N	80°25'39.9671"W	8343.62	159.909	0.11	0.00	-0.11
16086.00	90.770	155.420	7968.62	8431.83	-7922.07	2906.12	1738489.80	389635.59	39°33'57.8534"N	80°25'39.4454"W	8438.29	159.855	0.78	0.45	0.63
16181.00	90.130	155.450	7967.87	8526.75	-8008.47	2945.62	1738529.29	389549.20	39°33'57.0036"N	80°25'38.9298"W	8533.01	159.806	0.67	-0.67	0.03
16276.00	90.160	155.020	7967.63	8621.67	-8094.73	2985.41	1738569.08	389462.94	39°33'56.1551"N	80°25'38.4103"W	8627.71	159.756	0.45	0.03	-0.45
16372.00	90.340	155.480	7967.21	8717.59	-8181.91	3025.60	1738609.27	389375.77	39°33'55.2976"N	80°25'37.8857"W	8723.41	159.706	0.51	0.19	0.48
16467.00	90.310	155.400	7966.67	8812.52	-8268.32	3065.09	1738648.75	389289.37	39°33'54.4478"N	80°25'37.3701"W	8818.15	159.660	0.09	-0.03	-0.08
16562.00	90.370	155.210	7966.11	8907.44	-8354.63	3104.78	1738688.44	389203.06	39°33'53.5988"N	80°25'36.8520"W	8912.88	159.614	0.21	0.06	-0.20
16657.00	90.220	155.170	7965.62	9002.35	-8440.86	3144.64	1738728.30	389116.84	39°33'52.7507"N	80°25'36.3317"W	9007.60	159.567	0.16	-0.16	-0.04
16752.00	90.100	154.840	7965.35	9097.26	-8526.96	3184.78	1738768.44	389030.74	39°33'51.9039"N	80°25'35.8078"W	9102.30	159.520	0.37	-0.13	-0.35
16847.00	90.130	155.210	7965.16	9192.16	-8613.07	3224.89	1738808.55	388944.63	39°33'51.0569"N	80°25'35.2844"W	9197.01	159.473	0.39	0.03	0.39
16941.00	90.220	155.250	7964.87	9286.08	-8698.43	3264.28	1738847.93	388859.28	39°33'50.2174"N	80°25'34.7703"W	9290.75	159.430	0.10	0.10	0.04
17036.00	90.310	155.490	7964.44	9381.00	-8784.78	3303.87	1738887.52	388772.93	39°33'49.3680"N	80°25'34.2534"W	9385.52	159.389	0.27	0.09	0.25
17131.00	90.030	154.910	7964.15	9475.92	-8871.02	3343.72	1738927.36	388686.70	39°33'48.5198"N	80°25'33.7333"W	9480.27	159.347	0.68	-0.29	-0.61
17226.00	90.060	154.640	7964.08	9570.80	-8956.96	3384.20	1738967.85	388600.77	39°33'47.6746"N	80°25'33.2051"W	9574.97	159.302	0.29	0.03	-0.28
17321.00	90.220	155.290	7963.85	9665.70	-9043.03	3424.40	1739008.04	388514.70	39°33'46.8281"N	80°25'32.6805"W	9669.70	159.259	0.70	0.17	0.68
17416.00	90.250	155.540	7963.46	9760.63	-9129.42	3463.93	1739047.56	388428.32	39°33'45.9783"N	80°25'32.1645"W	9764.48	159.222	0.27	0.03	0.26
17511.00	90.400	155.630	7962.92	9855.57	-9215.92	3503.19	1739086.83	388341.82	39°33'45.1275"N	80°25'31.6518"W	9859.29	159.187	0.18	0.16	0.09
17606.00	90.400	155.180	7962.26	9950.49	-9302.30	3542.73	1739126.37	388255.44	39°33'44.2778"N	80°25'31.1356"W	9954.08	159.151	0.47	0.00	-0.47
17701.00	90.680	155.340	7961.36	10045.41	-9388.58	3582.49	1739166.12	388169.17	39°33'43.4292"N	80°25'30.6167"W	10048.86	159.114	0.34	0.29	0.17
17796.00	90.370	155.610	7960.49	10140.34	-9475.01	3621.92	1739205.55	388082.75	39°33'42.5791"N	80°25'30.1019"W	10143.67	159.080	0.43	-0.33	0.28
17891.00	90.250	155.580	7959.98	10235.28	-9561.52	3661.17	1739244.80	387996.25	39°33'41.7282"N	80°25'29.5894"W	10238.49	159.048	0.13	-0.13	-0.03
17986.00	90.030	154.630	7959.74	10330.19	-9647.69	3701.16	1739284.79	387910.08	39°33'40.8806"N	80°25'29.0675"W	10333.27	159.012	1.03	-0.23	-1.00
18081.00	90.280	155.740	7959.49	10425.10	-9733.91	3741.03	1739324.65	387823.86	39°33'40.0325"N	80°25'28.5471"W	10428.06	158.977	1.20	0.26	1.17
18176.00	90.710	155.650	7958.67	10520.04	-9820.49	3780.13	1739363.75	387737.29	39°33'39.1809"N	80°25'28.0366"W	10522.90	158.947	0.46	0.45	-0.09
18271.00	90.590	155.820	7957.59	10614.99	-9907.09	3819.17	1739402.79	387650.69	39°33'38.3290"N	80°25'27.5268"W	10617.75	158.918	0.22	-0.13	0.18
18366.00	90.770	155.930	7956.46	10709.94	-9993.79	3858.00	1739441.61	387564.00	39°33'37.4761"N	80°25'27.0197"W	10712.61	158.891	0.22	0.19	0.12
18461.00	90.550	155.020	7955.37	10804.86	-10080.21	3897.43	1739481.04	387477.58	39°33'36.6261"N	80°25'26.5049"W	10807.43	158.861	0.99	-0.23	-0.96
18555.00	90.890	154.110	7954.18	10898.72	-10165.09	3937.79	1739521.40	387392.71	39°33'35.7913"N	80°25'25.9784"W	10901.16	158.824	1.03	0.36	-0.97
18651.00	90.430	153.360	7953.08	10994.49	-10251.17	3980.27	1739563.88	387306.63	39°33'34.9449"N	80°25'25.4248"W	10996.78	158.780	0.92	-0.48	-0.78

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Actual Wellpath Report

Radcliff 10H ST01 Proj: 23158'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 10H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 10H ST01
Slot	Slot 10	Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

WELLPATH DATA (273 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [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]
18746.00	90.550	154.240	7952.27	11089.28	-10336.41	4022.21	1739605.82	387221.40	39°33'34.1068"N	80°25'24.8781"W	11091.42	158.737	0.93	0.13	0.93
18841.00	90.920	153.470	7951.05	11184.07	-10421.68	4064.07	1739647.67	387136.13	39°33'33.2683"N	80°25'24.3325"W	11186.07	158.696	0.90	0.39	-0.81
18936.00	90.960	154.510	7949.49	11278.86	-10507.05	4105.73	1739689.33	387050.77	39°33'32.4289"N	80°25'23.7895"W	11280.74	158.656	1.10	0.04	1.09
19031.00	90.650	154.090	7948.15	11373.69	-10592.64	4146.92	1739730.52	386965.19	39°33'31.5872"N	80°25'23.2524"W	11375.45	158.620	0.55	-0.33	-0.44
19126.00	90.490	154.060	7947.21	11468.51	-10678.08	4188.45	1739772.04	386879.76	39°33'30.7471"N	80°25'22.7110"W	11470.15	158.583	0.17	-0.17	-0.03
19221.00	90.740	154.560	7946.19	11563.34	-10763.68	4229.63	1739813.22	386794.16	39°33'29.9053"N	80°25'22.1740"W	11564.89	158.547	0.59	0.26	0.53
19317.00	90.430	153.450	7945.21	11659.15	-10849.96	4271.70	1739855.29	386707.88	39°33'29.0568"N	80°25'21.6255"W	11660.58	158.510	1.20	-0.32	-1.16
19412.00	90.340	153.550	7944.57	11753.90	-10934.98	4314.09	1739897.68	386622.87	39°33'28.2209"N	80°25'21.0732"W	11755.22	158.470	0.14	-0.09	0.11
19507.00	90.400	155.070	7943.96	11848.74	-11020.58	4355.27	1739938.86	386537.27	39°33'27.3791"N	80°25'20.5363"W	11849.96	158.436	1.60	0.06	1.60
19602.00	90.370	154.810	7943.32	11943.63	-11106.64	4395.51	1739979.09	386451.22	39°33'26.5327"N	80°25'20.0113"W	11944.79	158.409	0.28	-0.03	-0.27
19697.00	90.430	154.970	7942.66	12038.52	-11192.66	4435.82	1740019.40	386365.20	39°33'25.6867"N	80°25'19.4854"W	12039.61	158.381	0.18	0.06	0.17
19792.00	90.280	154.470	7942.07	12133.40	-11278.56	4476.39	1740059.97	386279.31	39°33'24.8419"N	80°25'18.9562"W	12134.41	158.352	0.55	-0.16	-0.53
19887.00	90.310	152.940	7941.58	12228.18	-11363.73	4518.47	1740102.05	386194.15	39°33'24.0045"N	80°25'18.4078"W	12229.10	158.316	1.61	0.03	-1.61
19982.00	90.340	153.550	7941.04	12322.90	-11448.55	4561.24	1740144.81	386109.33	39°33'23.1705"N	80°25'17.8507"W	12323.73	158.277	0.64	0.03	0.64
20077.00	90.310	155.210	7940.50	12417.74	-11534.21	4602.32	1740185.88	386023.68	39°33'22.3281"N	80°25'17.3151"W	12418.50	158.247	1.75	-0.03	1.75
20172.00	90.310	155.250	7939.99	12512.66	-11620.47	4642.12	1740225.68	385937.42	39°33'21.4797"N	80°25'16.7957"W	12513.37	158.224	0.04	0.00	0.04
20267.00	90.060	155.600	7939.68	12607.59	-11706.86	4681.63	1740265.19	385851.03	39°33'20.6299"N	80°25'16.2800"W	12608.26	158.203	0.45	-0.26	0.37
20362.00	90.180	155.480	7939.48	12702.53	-11793.33	4720.96	1740304.52	385764.57	39°33'19.7793"N	80°25'15.7665"W	12703.16	158.183	0.18	0.13	-0.13
20457.00	90.060	155.410	7939.28	12797.46	-11879.74	4760.44	1740344.00	385678.16	39°33'18.9293"N	80°25'15.2512"W	12798.05	158.163	0.15	-0.13	-0.07
20552.00	89.970	155.450	7939.26	12892.39	-11966.14	4799.94	1740383.50	385591.77	39°33'18.0795"N	80°25'14.7356"W	12892.94	158.143	0.10	-0.09	0.04
20648.00	89.780	155.190	7939.47	12988.31	-12053.37	4840.03	1740423.58	385504.54	39°33'17.2215"N	80°25'14.2125"W	12988.83	158.122	0.34	-0.20	-0.27
20743.00	89.940	155.680	7939.70	13083.24	-12139.77	4879.52	1740463.07	385418.15	39°33'16.3716"N	80°25'13.6970"W	13083.72	158.103	0.54	0.17	0.52
20838.00	90.580	155.340	7939.27	13178.18	-12226.22	4918.90	1740502.45	385331.70	39°33'15.5212"N	80°25'13.1830"W	13178.62	158.084	0.76	0.67	-0.36
20933.00	90.240	155.400	7938.59	13273.10	-12312.58	4958.49	1740542.04	385245.35	39°33'14.6718"N	80°25'12.6663"W	13273.52	158.064	0.36	-0.36	0.06
21028.00	90.120	153.970	7938.29	13367.98	-12398.45	4999.11	1740582.66	385159.48	39°33'13.8272"N	80°25'12.1365"W	13368.35	158.040	1.51	-0.13	-1.51
21123.00	90.120	154.890	7938.09	13462.83	-12484.15	5040.11	1740623.66	385073.79	39°33'12.9845"N	80°25'11.6018"W	13463.16	158.015	0.97	0.00	0.97
21218.00	90.030	154.330	7937.97	13557.70	-12569.97	5080.85	1740664.39	384987.98	39°33'12.1404"N	80°25'11.0706"W	13557.99	157.991	0.60	-0.09	-0.59
21313.00	90.120	154.470	7937.84	13652.55	-12655.64	5121.90	1740705.43	384902.31	39°33'11.2979"N	80°25'10.5354"W	13652.81	157.966	0.18	0.09	0.15
21408.00	90.030	153.580	7937.72	13747.36	-12741.05	5163.50	1740747.04	384816.91	39°33'10.4581"N	80°25'9.9931"W	13747.58	157.939	0.94	-0.09	-0.94
21503.00	90.240	153.370	7937.49	13842.11	-12826.05	5205.93	1740789.46	384731.92	39°33'9.6223"N	80°25'9.4404"W	13842.30	157.908	0.31	0.22	-0.22
21598.00	89.870	155.070	7937.40	13936.94	-12911.59	5247.24	1740830.77	384646.38	39°33'8.7811"N	80°25'8.9018"W	13937.10	157.883	1.83	-0.39	1.79
21693.00	89.780	154.400	7937.69	14031.82	-12997.50	5287.79	1740871.32	384560.47	39°33'7.9362"N	80°25'8.3730"W	14031.95	157.862	0.71	-0.09	-0.71
21788.00	89.840	154.630	7938.01	14126.68	-13083.26	5328.67	1740912.19	384474.72	39°33'7.0928"N	80°25'7.8400"W	14126.79	157.839	0.25	0.06	0.24
21883.00	89.780	154.500	7938.32	14221.55	-13169.05	5369.47	1740952.99	384388.94	39°33'6.2491"N	80°25'7.3079"W	14221.64	157.818	0.15	-0.06	-0.14
21978.00	89.810	154.580	7938.66	14316.41	-13254.82	5410.31	1740993.83	384303.17	39°33'5.4055"N	80°25'6.7754"W	14316.48	157.796	0.09	0.03	0.08
22073.00	89.750	154.910	7939.03	14411.29	-13340.74	5450.84	1741034.35	384217.25	39°33'4.5605"N	80°25'6.2468"W	14411.35	157.776	0.35	-0.06	0.35
22168.00	90.030	155.470	7939.21	14506.20	-13426.97	5490.70	1741074.21	384131.03	39°33'3.7123"N	80°25'5.7267"W	14506.25	157.759	0.66	0.29	0.59
22263.00	90.060	155.700	7939.13	14601.14	-13513.48	5529.97	1741113.48	384044.53	39°33'2.8614"N	80°25'5.2141"W	14601.18	157.745	0.24	0.03	0.24
22358.00	89.940	155.320	7939.13	14696.08	-13599.93	5569.35	1741152.86	383958.08	39°33'2.0110"N	80°25'4.7001"W	14696.11	157.730	0.42	-0.13	-0.40
22453.00	90.150	156.290	7939.06	14791.03	-13686.58	5608.28	1741191.79	383871.43	39°33'1.1585"N	80°25'4.1918"W	14791.06	157.718	1.04	0.22	1.02
22547.00	89.940	155.440	7938.99	14884.99	-13772.36	5646.72	1741230.22	383785.66	39°33'0.3147"N	80°25'3.6900"W	14885.01	157.706	0.93	-0.22	-0.90
22642.00	90.120	155.850	7938.94	14979.93	-13858.91	5685.89	1741269.40	383699.12	39°32'59.4633"N	80°25'3.1786"W	14979.95	157.693	0.47	0.19	0.43
22737.00	89.940	155.270	7938.89	15074.87	-13945.40	5725.20	1741308.70	383612.63	39°32'58.6125"N	80°25'2.6656"W	15074.88	157.680	0.64	-0.19	-0.61
22832.00	90.030	155.520	7938.91	15169.80	-14031.77	5764.75	1741348.25	383526.27	39°32'57.7629"N	80°25'2.1494"W	15169.81	157.665	0.28	0.09	0.26
22926.00	89.870	155.030	7938.99	15263.72	-14117.15	5804.07	1741387.57	383440.89	39°32'56.9231"N	80°25'1.6364"W	15263.72	157.651	0.55	-0.17	-0.52

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Actual Wellpath Report

Radcliff 10H ST01 Proj: 23158'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 10H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 10H ST01
Slot	Slot 10	Sidetrack from	Radcliff 10H Pilot Hole Proj: 8106' at 7069.00 MD

WELLPATH DATA (273 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [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]
23022.00	89.970	155.530	7939.13	15359.64	-14204.36	5844.22	1741427.71	383353.69	39°32'56.0653"N	80°25'1.1126"W	15359.64	157.636	0.53	0.10	0.52
23117.00	89.810	154.610	7939.31	15454.55	-14290.50	5884.26	1741467.75	383267.55	39°32'55.2180"N	80°25'0.5902"W	15454.55	157.620	0.98	-0.17	-0.97
23158.00†	89.810	154.610	7939.45	15495.49	-14327.54	5901.84	1741485.33	383230.51	39°32'54.8537"N	80°25'0.3610"W	15495.49	157.612	0.00	0.00	0.00

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Radcliff 10H T1	7947.00	-904.52	-364.16	1735219.71	396652.72	39°35'6.8699"N	80°26'22.1380"W	point
Radcliff 10H T2	7947.00	-14330.95	5897.28	1741480.77	383227.10	39°32'54.8196"N	80°25'0.4188"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radcliff 10H ST01 Ref Wellpath: Radcliff 10H ST01 Proj: 23158'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	7069.00	OWSG MWD rev2 - Standard	01_MWD	Radcliff 10H Pilot Hole	2/22/2024
7069.00	23158.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	01_BH Lucida+SuperiorQC IFR1+SAG+FDIR <8-1/2"> (7110-23117)	Radcliff 10H ST01	3/7/2024

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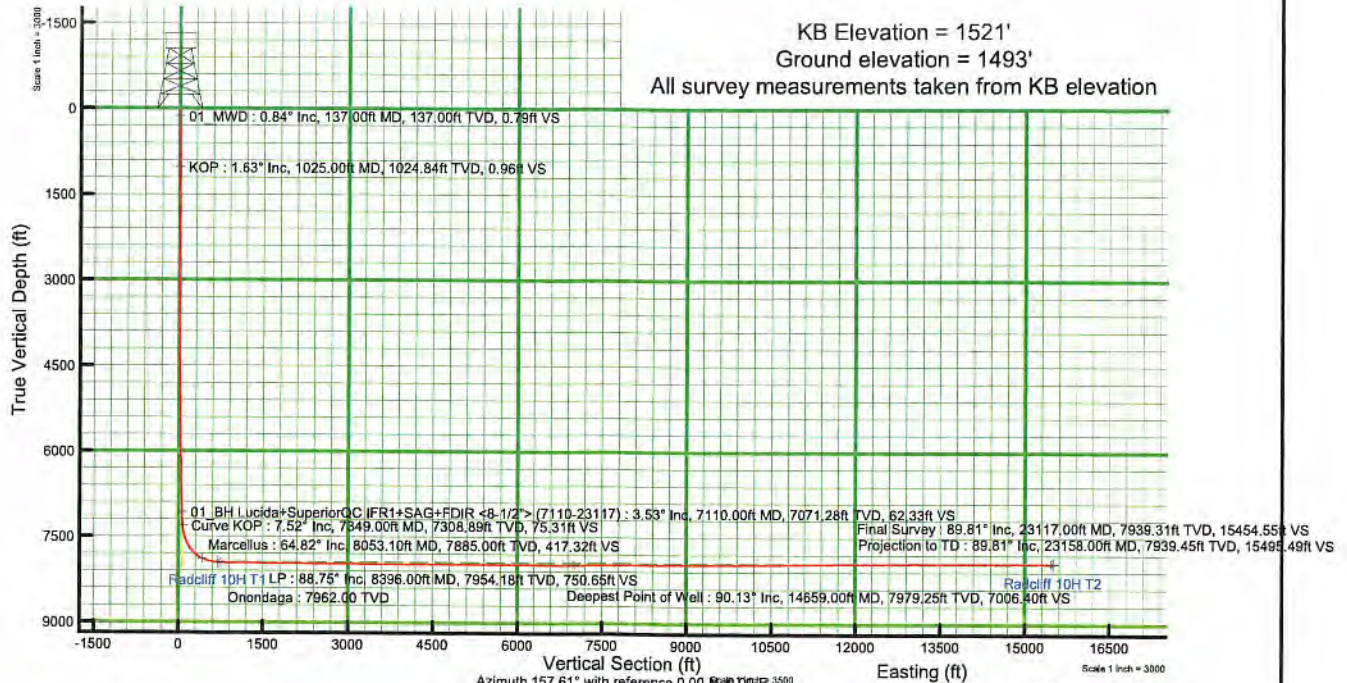
04/11/2025



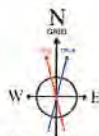
EQT PRODUCTION COMPANY

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

Slot: Slot 10
Well: Radcliff 10H
Wellbore: Radcliff 10H ST01



KOP : 1024.84ft TVD, 0.53ft S, 1.25ft E
01_MWD : 137.00ft TVD, 0.77ft S, 0.21ft E
Curve KOP : 7308.89ft TVD, 310.31ft S, 555.59ft W
Marcellus : 7885.00ft TVD, 643.74ft S, 467.08ft W
LP : 7954.18ft TVD, 949.61ft S, 334.45ft W



User specified Dip: 66.31° Field: S1454 nT
Magnetic North is 8.76 degrees West of True North (at 2/21/2024)
Grid North is 0.00 degrees West of True North
To correct azimuth from True to Grid add 0.00 degrees
To correct azimuth from Magnetic to Grid subtract 8.16 degrees

Deepest Point of Well : 7979.25ft TVD, 6629.03ft S, 2302.63ft E

Surface Location

Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
1735583.85	397557.18	39.5877351	-80.4382244

KOP

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
1025	1.63	331.05	1024.84	-0.53	1.25	1735583.1	397556.65	39.5877337	-80.4382199

Landing Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
8396	88.75	155.56	7954.18	-949.61	-334.45	1735249.42	396607.63	39.5851187	-80.4393757

Bottom Hole Location

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
25733	91.4	530.23	7328.13	12279.59	-12307.05	1265804.39	257878.2	40.0113311	-80.3713804

Final Survey : 7939.31ft TVD, 14290.54ft S, 5884.26ft E
Projection to TD : 7939.45ft TVD, 14327.54ft S, 5901.84ft E

04/11/2025