



Actual Wellpath Report

Radcliff 8H Proj: 23212'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

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	3/20/2024 at 2:37:07 AM
Convergence at slot	0.60° West	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-127.42	-7.35	1735586.92	397542.50	39°35'15.7018"N	80°26'17.5665"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	Rig on Radcliff 8H (RT) to Facility Vertical Datum	1521.00ft
Horizontal Reference Pt	Slot	Rig on Radcliff 8H (RT) to Mean Sea Level	1521.00ft
Vertical Reference Pt	Rig on Radcliff 8H (RT)	Rig on Radcliff 8H (RT) to Ground Level at Slot (Slot 08)	28.00ft
MD Reference Pt	Rig on Radcliff 8H (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.30°

04/11/2025



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WELLPATH DATA (279 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)
0.00†	0.000	153.450	0.00	0.00	0.00	0.00	1735586.92	397542.50	39°35'15.7018"N	80°26'17.5665"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	153.450	28.00	0.00	0.00	0.00	1735586.92	397542.50	39°35'15.7018"N	80°26'17.5665"W	0.00	0.000	0.00	0.00	0.00
115.00	0.380	153.450	115.00	0.29	-0.26	0.13	1735587.05	397542.24	39°35'15.6992"N	80°26'17.5648"W	0.29	153.450	0.44	0.44	0.00
215.00	0.380	166.290	215.00	0.94	-0.88	0.36	1735587.28	397541.62	39°35'15.6931"N	80°26'17.5618"W	0.95	157.916	0.08	0.00	12.84
315.00	0.470	156.150	314.99	1.68	-1.57	0.60	1735587.52	397540.93	39°35'15.6863"N	80°26'17.5586"W	1.68	159.129	0.12	0.09	-10.14
415.00	0.510	160.440	414.99	2.54	-2.37	0.92	1735587.83	397540.13	39°35'15.6784"N	80°26'17.5545"W	2.54	158.878	0.05	0.04	4.29
515.00	0.540	167.790	514.99	3.45	-3.25	1.16	1735588.08	397539.25	39°35'15.6698"N	80°26'17.5512"W	3.45	160.291	0.07	0.03	7.35
615.00	0.550	167.390	614.98	4.40	-4.18	1.37	1735588.29	397538.32	39°35'15.6606"N	80°26'17.5485"W	4.40	161.866	0.01	0.01	-0.40
715.00	0.570	168.130	714.98	5.37	-5.13	1.58	1735588.50	397537.37	39°35'15.6512"N	80°26'17.5457"W	5.37	162.939	0.02	0.02	0.74
815.00	0.710	179.500	814.97	6.45	-6.24	1.68	1735588.60	397536.26	39°35'15.6403"N	80°26'17.5442"W	6.46	164.904	0.19	0.14	11.37
915.00	0.680	170.410	914.96	7.62	-7.44	1.79	1735588.71	397535.06	39°35'15.6284"N	80°26'17.5427"W	7.66	166.499	0.11	-0.03	-9.09
1015.00	0.270	43.560	1014.96	8.10	-7.86	2.05	1735588.97	397534.64	39°35'15.6243"N	80°26'17.5393"W	8.12	165.389	0.87	-0.41	-126.85
1115.00	1.800	358.990	1114.94	6.49	-6.12	2.18	1735589.10	397536.38	39°35'15.6415"N	80°26'17.5378"W	6.49	160.358	1.62	1.53	-44.57
1215.00	3.150	354.350	1214.85	2.32	-1.81	1.88	1735588.80	397540.69	39°35'15.6840"N	80°26'17.5422"W	2.61	133.873	1.36	1.35	-4.64
1315.00	2.380	347.380	1314.73	-2.42	2.95	1.16	1735588.08	397545.45	39°35'15.7310"N	80°26'17.5521"W	3.17	21.492	0.84	-0.77	-6.97
1365.00	2.690	356.440	1364.68	-4.59	5.13	0.86	1735587.78	397547.63	39°35'15.7526"N	80°26'17.5562"W	5.20	9.525	1.01	0.62	18.12
1414.00	2.720	351.660	1413.63	-6.84	7.43	0.62	1735587.54	397549.93	39°35'15.7753"N	80°26'17.5596"W	7.46	4.778	0.46	0.06	-9.76
1458.00	2.610	339.140	1457.58	-8.87	9.40	0.11	1735587.03	397551.90	39°35'15.7947"N	80°26'17.5663"W	9.40	0.688	1.34	-0.25	-28.45
1501.00	2.190	341.880	1500.54	-10.67	11.10	-0.49	1735586.43	397553.59	39°35'15.8114"N	80°26'17.5743"W	11.11	357.465	1.01	-0.98	6.37
1544.00	1.100	0.990	1543.52	-11.88	12.29	-0.74	1735586.18	397554.79	39°35'15.8231"N	80°26'17.5776"W	12.31	356.556	2.80	-2.53	44.44
1587.00	0.710	31.450	1586.52	-12.44	12.93	-0.59	1735586.33	397555.43	39°35'15.8295"N	80°26'17.5758"W	12.94	357.372	1.41	-0.91	70.84
1631.00	0.580	134.500	1630.52	-12.41	13.01	-0.29	1735586.63	397555.50	39°35'15.8303"N	80°26'17.5720"W	13.01	358.712	2.30	-0.30	234.20
1674.00	1.430	180.860	1673.51	-11.71	12.32	-0.15	1735586.77	397554.82	39°35'15.8235"N	80°26'17.5700"W	12.32	359.324	2.59	1.98	107.81
1717.00	1.900	170.370	1716.49	-10.50	11.08	-0.03	1735586.89	397553.58	39°35'15.8112"N	80°26'17.5684"W	11.08	359.824	1.30	1.09	-24.40
1760.00	2.000	170.950	1759.47	-9.06	9.63	0.20	1735587.12	397552.13	39°35'15.7970"N	80°26'17.5652"W	9.64	1.209	0.24	0.23	1.35
1803.00	1.180	168.930	1802.45	-7.88	8.46	0.41	1735587.33	397550.96	39°35'15.7854"N	80°26'17.5624"W	8.47	2.750	1.91	-1.91	-4.70
1847.00	0.420	205.380	1846.45	-7.32	7.87	0.42	1735587.34	397550.37	39°35'15.7796"N	80°26'17.5621"W	7.88	3.086	2.00	-1.73	82.84
1890.00	0.410	107.890	1889.45	-7.11	7.68	0.50	1735587.42	397550.18	39°35'15.7777"N	80°26'17.5611"W	7.69	3.749	1.45	-0.02	-226.72
1933.00	0.490	67.430	1932.44	-7.03	7.70	0.82	1735587.74	397550.20	39°35'15.7780"N	80°26'17.5571"W	7.74	6.072	0.74	0.19	-94.09
1976.00	0.690	25.950	1975.44	-7.23	8.00	1.10	1735588.02	397550.50	39°35'15.7810"N	80°26'17.5535"W	8.08	7.841	1.06	0.47	-96.47
2020.00	0.770	65.520	2019.44	-7.45	8.36	1.49	1735588.41	397550.86	39°35'15.7846"N	80°26'17.5486"W	8.50	10.082	1.14	0.18	89.93
2063.00	1.090	89.390	2062.43	-7.35	8.49	2.16	1735589.08	397550.99	39°35'15.7859"N	80°26'17.5401"W	8.76	14.271	1.15	0.74	55.51
2106.00	1.050	104.460	2105.43	-7.01	8.39	2.95	1735589.87	397550.89	39°35'15.7850"N	80°26'17.5300"W	8.90	19.360	0.66	-0.09	35.05
2150.00	0.830	141.290	2149.42	-6.49	8.05	3.54	1735590.46	397550.55	39°35'15.7816"N	80°26'17.5224"W	8.79	23.745	1.43	-0.50	83.70
2193.00	0.740	223.050	2192.42	-6.06	7.60	3.54	1735590.46	397550.10	39°35'15.7772"N	80°26'17.5223"W	8.39	25.005	2.39	-0.21	190.14
2236.00	1.250	228.960	2235.41	-5.75	7.09	3.00	1735589.92	397549.59	39°35'15.7721"N	80°26'17.5291"W	7.70	22.947	1.21	1.19	13.74
2279.00	0.590	245.710	2278.41	-5.55	6.69	2.45	1735589.37	397549.19	39°35'15.7681"N	80°26'17.5362"W	7.12	20.082	1.64	-1.53	38.95
2322.00	0.870	324.410	2321.40	-5.84	6.86	2.05	1735588.97	397549.36	39°35'15.7698"N	80°26'17.5412"W	7.16	16.659	2.21	0.65	183.02
2365.00	1.470	7.100	2364.39	-6.65	7.68	1.93	1735588.85	397550.18	39°35'15.7778"N	80°26'17.5429"W	7.92	14.127	2.37	1.40	99.28
2409.00	1.560	29.600	2408.38	-7.56	8.76	2.30	1735589.22	397551.26	39°35'15.7886"N	80°26'17.5383"W	9.05	14.701	1.36	0.20	51.14
2452.00	1.120	53.370	2451.37	-8.08	9.52	2.92	1735589.84	397552.02	39°35'15.7961"N	80°26'17.5304"W	9.96	17.079	1.63	-1.02	55.28
2495.00	1.090	90.270	2494.36	-8.07	9.77	3.67	1735590.59	397552.27	39°35'15.7987"N	80°26'17.5209"W	10.43	20.597	1.63	-0.07	85.81
2538.00	0.900	170.320	2537.36	-7.61	9.43	4.14	1735591.06	397551.93	39°35'15.7954"N	80°26'17.5149"W	10.30	23.680	3.00	-0.44	186.16
2581.00	1.450	187.490	2580.35	-6.79	8.56	4.12	1735591.04	397551.06	39°35'15.7868"N	80°26'17.5150"W	9.50	25.715	1.51	1.28	39.93
2625.00	1.840	194.970	2624.33	-5.70	7.32	3.87	1735590.79	397549.82	39°35'15.7746"N	80°26'17.5181"W	8.28	27.831	1.01	0.89	17.00

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Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

WELLPATH DATA (279 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]
2668.00	2.440	207.180	2667.30	-4.49	5.84	3.27	1735590.19	397548.34	39°35'15.7599"N	80°26'17.5255"W	6.70	29.235	1.75	1.40	28.40
2702.00	2.720	231.120	2701.26	-3.70	4.69	2.31	1735589.23	397547.19	39°35'15.7484"N	80°26'17.5376"W	5.23	26.224	3.25	0.82	70.41
2803.00	3.310	231.660	2802.12	-1.90	1.38	-1.84	1735585.08	397543.88	39°35'15.7152"N	80°26'17.5902"W	2.30	306.867	0.58	0.58	0.53
2847.00	3.010	229.720	2846.06	-1.05	-0.15	-3.72	1735583.20	397542.35	39°35'15.6999"N	80°26'17.6140"W	3.72	267.621	0.72	-0.68	-4.41
2890.00	2.420	245.120	2889.01	-0.53	-1.27	-5.40	1735581.52	397541.23	39°35'15.6887"N	80°26'17.6354"W	5.55	256.810	2.17	-1.37	35.81
2933.00	1.910	254.440	2931.98	-0.47	-1.84	-6.92	1735580.00	397540.66	39°35'15.6829"N	80°26'17.6546"W	7.16	255.100	1.44	-1.19	21.67
2976.00	2.080	251.530	2974.95	-0.52	-2.28	-8.35	1735578.57	397540.22	39°35'15.6784"N	80°26'17.6728"W	8.65	254.724	0.46	0.40	-6.77
3019.00	2.920	243.380	3017.91	-0.37	-3.02	-10.07	1735576.85	397539.48	39°35'15.6709"N	80°26'17.6947"W	10.51	253.312	2.12	1.95	-18.95
3062.00	4.470	247.660	3060.82	-0.11	-4.15	-12.60	1735574.32	397538.35	39°35'15.6595"N	80°26'17.7268"W	13.26	251.782	3.66	3.60	9.95
3106.00	5.890	248.010	3104.64	0.13	-5.64	-16.28	1735570.65	397536.86	39°35'15.6443"N	80°26'17.7736"W	17.23	250.878	3.23	3.23	0.80
3149.00	6.780	246.270	3147.38	0.48	-7.49	-20.65	1735566.28	397535.01	39°35'15.6256"N	80°26'17.8292"W	21.96	250.058	2.12	2.07	-4.05
3192.00	7.460	246.300	3190.05	0.94	-9.63	-25.52	1735561.40	397532.87	39°35'15.6039"N	80°26'17.8912"W	27.28	249.322	1.58	1.58	0.07
3235.00	8.330	243.130	3232.64	1.63	-12.16	-30.86	1735556.06	397530.34	39°35'15.5784"N	80°26'17.9590"W	33.17	248.487	2.26	2.02	-7.37
3278.00	8.660	238.620	3275.17	2.78	-15.26	-36.40	1735550.52	397527.24	39°35'15.5472"N	80°26'18.0294"W	39.47	247.260	1.73	0.77	-10.49
3322.00	9.760	238.690	3318.60	4.33	-18.92	-42.42	1735544.51	397523.58	39°35'15.5104"N	80°26'18.1057"W	46.44	245.960	2.50	2.50	0.16
3365.00	10.210	236.840	3360.95	6.07	-22.90	-48.72	1735538.20	397519.60	39°35'15.4704"N	80°26'18.1857"W	53.83	244.826	1.29	1.05	-4.30
3408.00	11.400	236.980	3403.18	8.08	-27.30	-55.47	1735531.45	397515.20	39°35'15.4262"N	80°26'18.2714"W	61.83	243.798	2.77	2.77	0.33
3451.00	11.880	237.390	3445.30	10.19	-32.00	-62.77	1735524.16	397510.50	39°35'15.3790"N	80°26'18.3639"W	70.45	242.986	1.13	1.12	0.95
3494.00	12.920	238.070	3487.30	12.36	-36.93	-70.57	1735516.35	397505.57	39°35'15.3295"N	80°26'18.4630"W	79.65	242.379	2.44	2.42	1.58
3538.00	13.440	235.800	3530.14	14.85	-42.40	-78.98	1735507.95	397500.10	39°35'15.2745"N	80°26'18.5696"W	89.64	241.768	1.67	1.18	-5.16
3581.00	13.910	232.400	3571.92	17.86	-48.37	-87.21	1735499.72	397494.14	39°35'15.2148"N	80°26'18.6739"W	99.72	240.986	2.16	1.09	-7.91
3624.00	14.580	229.720	3613.60	21.53	-55.02	-95.43	1735491.49	397487.48	39°35'15.1482"N	80°26'18.7780"W	110.16	240.035	2.19	1.56	-6.23
3711.00	15.870	228.770	3697.54	30.11	-69.94	-112.73	1735474.20	397472.56	39°35'14.9989"N	80°26'18.9970"W	132.67	238.184	1.51	1.48	-1.09
3797.00	18.020	229.030	3779.80	39.66	-86.41	-131.62	1735455.31	397456.09	39°35'14.8342"N	80°26'19.2361"W	157.45	236.714	2.50	2.50	0.30
3883.00	19.010	228.880	3861.35	50.05	-104.35	-152.22	1735434.71	397438.16	39°35'14.6548"N	80°26'19.4967"W	184.55	235.569	1.15	1.15	-0.17
3970.00	20.200	228.280	3943.31	61.33	-123.66	-174.10	1735412.83	397418.85	39°35'14.4617"N	80°26'19.7737"W	213.55	234.615	1.39	1.37	-0.69
4056.00	20.730	231.030	4023.88	72.41	-143.12	-197.02	1735389.91	397399.39	39°35'14.2671"N	80°26'20.0638"W	243.51	234.005	1.28	0.62	3.20
4142.00	21.790	230.290	4104.03	83.41	-162.89	-221.13	1735365.80	397379.62	39°35'14.0692"N	80°26'20.3691"W	274.65	233.625	1.27	1.23	-0.86
4229.00	22.830	230.570	4184.51	95.17	-183.92	-246.59	1735340.34	397358.59	39°35'13.8586"N	80°26'20.6915"W	307.63	233.282	1.20	1.20	0.32
4315.00	23.090	229.050	4263.70	107.46	-205.57	-272.22	1735314.72	397336.94	39°35'13.6420"N	80°26'21.0158"W	341.12	232.941	0.75	0.30	-1.77
4401.00	23.810	227.200	4342.60	120.94	-228.42	-297.69	1735289.25	397314.09	39°35'13.4136"N	80°26'21.3382"W	375.23	232.501	1.20	0.84	-2.15
4488.00	23.640	225.460	4422.25	135.72	-252.59	-323.01	1735263.93	397289.93	39°35'13.1722"N	80°26'21.6583"W	410.04	231.975	0.83	-0.20	-2.00
4574.00	22.250	225.170	4501.44	150.40	-276.16	-346.85	1735240.09	397266.36	39°35'12.9367"N	80°26'21.9596"W	443.36	231.473	1.62	-1.62	-0.34
4660.00	20.390	225.480	4581.55	164.10	-298.15	-369.08	1735217.86	397244.37	39°35'12.7172"N	80°26'22.2406"W	474.46	231.068	2.17	-2.16	0.36
4747.00	20.020	227.560	4663.20	176.70	-318.82	-390.88	1735196.07	397223.70	39°35'12.5106"N	80°26'22.5162"W	504.41	230.797	0.93	-0.43	2.39
4833.00	19.950	226.000	4744.02	188.90	-338.95	-412.29	1735174.65	397203.57	39°35'12.3095"N	80°26'22.7871"W	533.73	230.576	0.63	-0.08	-1.81
4920.00	19.450	220.980	4825.93	202.56	-360.20	-432.47	1735154.48	397182.33	39°35'12.0974"N	80°26'23.0419"W	562.82	230.210	2.03	-0.57	-5.77
4997.00	19.150	218.730	4898.61	215.83	-379.73	-448.78	1735138.17	397162.80	39°35'11.9027"N	80°26'23.2476"W	587.87	229.764	1.04	-0.39	-2.92
5083.00	18.960	219.660	4979.89	230.75	-401.49	-466.52	1735120.43	397141.04	39°35'11.6858"N	80°26'23.4713"W	615.49	229.285	0.42	-0.22	1.08
5170.00	19.530	220.220	5062.03	245.68	-423.47	-484.93	1735102.02	397119.05	39°35'11.4666"N	80°26'23.7035"W	643.81	228.871	0.69	0.66	0.64
5256.00	20.780	222.080	5142.77	260.55	-445.77	-504.44	1735082.51	397096.76	39°35'11.2442"N	80°26'23.9497"W	673.18	228.533	1.63	1.45	2.16
5343.00	22.270	224.070	5223.70	275.63	-469.07	-526.25	1735060.70	397073.46	39°35'11.0117"N	80°26'24.2251"W	704.96	228.288	1.91	1.71	2.29
5429.00	21.750	224.180	5303.43	290.35	-492.21	-548.69	1735038.26	397050.32	39°35'10.7807"N	80°26'24.5086"W	737.11	228.106	0.61	-0.60	0.13
5515.00	19.950	225.170	5383.79	304.08	-513.98	-570.20	1735016.75	397028.55	39°35'10.5634"N	80°26'24.7805"W	767.66	227.968	2.13	-2.09	1.15
5602.00	19.610	227.820	5465.66	316.43	-534.25	-591.55	1734995.41	397008.29	39°35'10.3608"N	80°26'25.0504"W	797.09	227.914	1.10	-0.39	3.05

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Actual Wellpath Report

Radcliff 8H Proj: 23212'

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OPERATOR INFORMATION			
Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

WELLPATH DATA (279 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]
5689.00	19.550	228.900	5547.63	327.80	-553.62	-613.33	1734973.62	396988.91	39°35'10.1671"N	80°26'25.3261"W	826.24	227.929	0.42	-0.07	1.24
5775.00	19.410	230.020	5628.71	338.47	-572.26	-635.13	1734951.83	396970.27	39°35'9.9807"N	80°26'25.6019"W	854.91	227.981	0.46	-0.16	1.30
5861.00	19.250	230.640	5709.86	348.66	-590.43	-657.04	1734929.92	396952.10	39°35'9.7988"N	80°26'25.8793"W	883.35	228.068	0.30	-0.19	0.72
5948.00	20.600	231.460	5791.65	358.91	-609.06	-680.10	1734906.86	396933.47	39°35'9.6123"N	80°26'26.1714"W	912.96	228.154	1.58	1.56	0.94
6034.00	21.940	232.050	5871.79	369.35	-628.37	-704.60	1734882.36	396914.17	39°35'9.4199"N	80°26'26.4817"W	944.10	228.273	1.58	1.56	0.69
6120.00	21.770	230.940	5951.61	380.20	-648.30	-729.65	1734857.31	396894.24	39°35'9.2194"N	80°26'26.7990"W	976.06	228.379	0.52	-0.20	-1.29
6207.00	21.640	229.510	6032.44	391.77	-668.88	-754.38	1734832.58	396873.66	39°35'9.0134"N	80°26'27.1121"W	1008.22	228.438	0.63	-0.15	-1.64
6293.00	21.630	232.420	6112.39	402.78	-688.85	-779.00	1734807.96	396853.69	39°35'8.8136"N	80°26'27.4239"W	1039.88	228.515	1.25	-0.01	3.38
6379.00	20.900	233.750	6192.53	412.54	-707.59	-803.94	1734783.03	396834.96	39°35'8.6258"N	80°26'27.7398"W	1070.98	228.647	1.02	-0.85	1.55
6466.00	20.470	234.560	6273.92	421.60	-725.58	-828.85	1734758.12	396816.96	39°35'8.4454"N	80°26'28.0555"W	1101.57	228.801	0.59	-0.49	0.93
6553.00	20.000	238.190	6346.17	428.47	-740.33	-851.01	1734735.97	396802.21	39°35'8.2973"N	80°26'28.3366"W	1127.96	228.978	1.74	-0.61	4.71
6629.00	19.690	241.600	6427.07	434.25	-754.97	-876.25	1734710.72	396787.57	39°35'8.1500"N	80°26'28.6570"W	1156.63	229.252	1.39	-0.36	3.97
6716.00	20.060	243.870	6508.89	438.65	-768.52	-902.54	1734684.44	396774.03	39°35'8.0134"N	80°26'28.9910"W	1185.41	229.585	0.98	0.43	2.61
6802.00	20.670	245.940	6589.51	441.98	-781.20	-929.64	1734657.34	396761.35	39°35'7.8853"N	80°26'29.3354"W	1214.29	229.959	1.10	0.71	2.41
6889.00	21.460	249.710	6670.70	443.85	-792.98	-958.59	1734628.39	396749.57	39°35'7.7659"N	80°26'29.7036"W	1244.07	230.401	1.80	0.91	4.33
6975.00	21.940	258.290	6750.63	442.34	-801.70	-989.09	1734597.90	396740.85	39°35'7.6766"N	80°26'30.0919"W	1273.19	230.974	3.73	0.56	9.98
7061.00	22.910	265.440	6830.14	436.29	-806.29	-1021.51	1734565.47	396736.26	39°35'7.6278"N	80°26'30.5054"W	1301.38	231.715	3.36	1.13	8.31
7148.00	24.290	265.970	6909.86	427.63	-806.90	-1056.24	1734530.74	396733.65	39°35'7.5985"N	80°26'30.9486"W	1330.40	232.554	1.60	1.55	0.61
7234.00	25.040	267.570	6988.01	418.05	-810.91	-1092.07	1734494.92	396731.64	39°35'7.5749"N	80°26'31.4059"W	1360.22	233.404	1.17	0.87	1.86
7320.00	25.040	268.410	7065.93	407.60	-812.19	-1128.45	1734458.54	396730.36	39°35'7.5585"N	80°26'31.8704"W	1390.34	234.256	0.41	0.00	0.98
7407.00	25.160	268.280	7144.72	396.78	-813.25	-1165.34	1734421.65	396729.30	39°35'7.5441"N	80°26'32.3414"W	1421.05	235.090	0.15	0.14	-0.15
7448.00	25.120	266.790	7181.83	391.91	-814.00	-1182.74	1734404.25	396728.55	39°35'7.5349"N	80°26'32.5635"W	1435.78	235.463	1.55	-0.10	-3.63
7542.00	22.870	259.570	7267.72	383.96	-818.43	-1220.64	1734366.36	396724.12	39°35'7.4872"N	80°26'33.0469"W	1469.62	236.158	3.93	-2.39	-7.68
7637.00	22.770	232.710	7355.53	387.17	-832.95	-1253.51	1734333.49	396709.60	39°35'7.3403"N	80°26'33.4648"W	1505.02	236.366	10.88	-0.11	-28.27
7733.00	23.470	214.060	7443.93	404.69	-860.08	-1279.03	1734307.97	396682.48	39°35'7.0696"N	80°26'33.7871"W	1541.31	236.081	7.63	0.73	-19.43
7828.00	28.450	199.640	7529.41	433.94	-897.12	-1297.26	1734288.74	396645.43	39°35'6.7016"N	80°26'34.0150"W	1577.25	235.334	8.43	5.24	-15.18
7922.00	34.050	190.950	7609.78	474.42	-944.11	-1309.80	1734277.20	396598.45	39°35'6.2359"N	80°26'34.1689"W	1614.59	234.216	7.63	5.96	-9.24
8017.00	43.520	182.800	7683.79	528.13	-1003.06	-1316.47	1734270.53	396539.50	39°35'5.6526"N	80°26'34.2461"W	1655.06	232.695	11.31	9.97	-8.58
8112.00	49.180	170.710	7749.47	584.21	-1071.39	-1312.25	1734274.75	396471.17	39°35'4.9777"N	80°26'34.1831"W	1694.08	230.770	10.95	5.96	-12.73
8207.00	55.510	165.580	7807.50	668.82	-1144.89	-1296.68	1734290.32	396397.68	39°35'4.2530"N	80°26'33.9744"W	1729.78	228.657	7.91	6.66	-5.40
8302.00	63.550	162.000	7855.65	750.54	-1223.40	-1273.74	1734313.26	396319.17	39°35'3.4795"N	80°26'33.6709"W	1766.11	226.155	9.06	8.46	-3.77
8398.00	71.390	159.600	7892.41	839.13	-1307.05	-1244.56	1734342.44	396235.53	39°35'2.6558"N	80°26'33.2870"W	1804.80	223.597	8.49	8.17	-2.50
8493.00	79.630	158.830	7916.16	930.97	-1392.97	-1211.93	1734375.06	396149.62	39°35'1.8102"N	80°26'32.8588"W	1846.39	221.025	8.71	8.67	-0.81
8587.00	86.980	158.470	7927.11	1024.16	-1479.86	-1177.97	1734409.02	396062.73	39°35'0.9550"N	80°26'32.4134"W	1891.45	218.520	7.83	7.82	-0.38
8682.00	86.950	158.210	7932.14	1116.90	-1568.03	-1142.95	1734444.04	395974.57	39°35'0.0872"N	80°26'31.9544"W	1940.37	216.089	0.28	-0.03	-0.27
8777.00	88.950	156.190	7935.53	1213.59	-1655.54	-1106.16	1734480.82	395887.06	39°34'59.2262"W	80°26'31.4728"W	1991.08	213.749	2.99	2.11	-2.13
8872.00	88.980	155.270	7937.25	1308.12	-1742.13	-1067.12	1734519.86	395800.48	39°34'58.3745"N	80°26'30.9626"W	2042.98	211.489	0.97	0.03	-0.97
8967.00	88.980	155.420	7938.94	1402.59	-1828.45	-1027.50	1734559.48	395714.16	39°34'57.5255"N	80°26'30.4450"W	2097.38	209.334	0.16	0.00	0.16
9062.00	89.720	158.260	7940.02	1497.29	-1915.78	-990.14	1734596.84	395626.83	39°34'56.6663"N	80°26'29.9562"W	2156.53	207.331	3.09	0.78	2.99
9157.00	89.600	159.940	7940.58	1592.21	-2004.53	-956.25	1734630.72	395538.10	39°34'55.7928"N	80°26'29.5116"W	2220.93	205.503	1.77	-0.13	1.77
9252.00	89.010	159.060	7941.74	1687.16	-2093.50	-922.99	1734663.99	395449.13	39°34'54.9169"N	80°26'29.0748"W	2287.94	203.792	1.12	-0.62	-0.93
9347.00	90.280	155.120	7942.33	1781.88	-2180.99	-886.01	1734700.96	395361.65	39°34'54.0562"N	80°26'28.5909"W	2354.09	202.109	4.36	1.34	-4.15
9441.00	88.640	155.310	7943.21	1875.34	-2266.32	-846.61	1734740.36	395276.32	39°34'53.2169"N	80°26'28.0763"W	2419.29	200.484	1.76	-1.74	0.20
9536.00	88.700	155.120	7945.42	1969.78	-2352.55	-806.80	1734780.17	395190.09	39°34'52.3689"N	80°26'27.5663"W	2487.05	198.929	0.21	0.06	-0.20
9631.00	89.350	155.670	7947.03	2064.25	-2438.87	-767.17	1734819.79	395103.77	39°34'51.5199"N	80°26'27.0387"W	2556.69	197.462	0.83	0.68	0.47

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Actual Wellpath Report

Radcliff 8H Proj: 23212'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

WELLPATH DATA (279 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sec [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]
9726.00	89.660	154.580	7947.85	2158.69	-2525.02	-727.14	1734859.83	395017.63	39°34'50.6726"N	80°26'26.5159"W	2627.64	196.065	1.09	0.33	-1.04
9821.00	89.560	155.060	7948.50	2253.08	-2610.99	-686.72	1734900.24	394931.67	39°34'49.8272"N	80°26'25.9882"W	2699.79	194.736	0.52	-0.11	0.51
9916.00	89.290	154.940	7949.45	2347.50	-2697.09	-646.57	1734940.38	394845.58	39°34'48.9805"N	80°26'25.4640"W	2773.51	193.481	0.31	-0.28	-0.13
10011.00	89.570	155.470	7950.40	2441.95	-2783.33	-606.74	1734980.22	394759.34	39°34'48.1324"N	80°26'24.9437"W	2848.69	192.298	0.63	0.29	0.56
10105.00	89.070	155.610	7951.51	2535.47	-2866.88	-567.82	1735019.14	394673.79	39°34'47.2909"N	80°26'24.4353"W	2924.53	191.195	0.55	-0.53	0.15
10200.00	88.830	154.820	7953.25	2629.90	-2955.05	-527.85	1735059.10	394587.63	39°34'46.4435"N	80°26'23.9133"W	3001.82	190.128	1.07	-0.25	-1.04
10295.00	88.950	155.150	7955.10	2724.29	-3041.05	-487.54	1735099.41	394501.84	39°34'45.5977"N	80°26'23.3870"W	3079.88	189.108	0.57	0.13	0.56
10390.00	89.070	155.180	7956.74	2818.73	-3127.25	-447.64	1735139.31	394415.44	39°34'44.7499"N	80°26'22.8660"W	3159.13	188.146	0.13	0.13	0.03
10484.00	89.010	153.770	7958.31	2912.05	-3212.06	-407.14	1735179.80	394330.63	39°34'43.9159"N	80°26'22.3375"W	3237.76	187.224	1.50	-0.06	-1.50
10579.00	89.010	153.730	7959.95	3006.21	-3297.25	-365.13	1735221.81	394245.45	39°34'43.0784"N	80°26'21.7896"W	3317.41	186.319	0.04	0.00	-0.04
10674.00	89.180	153.250	7961.47	3100.31	-3382.25	-322.73	1735264.21	394160.45	39°34'42.2427"N	80°26'21.2368"W	3397.61	185.451	0.53	0.16	-0.51
10769.00	90.370	153.030	7961.86	3194.35	-3467.00	-279.81	1735307.12	394075.71	39°34'41.4096"N	80°26'20.6774"W	3478.27	184.614	1.29	1.27	-0.23
10864.00	90.080	151.590	7961.50	3288.18	-3551.12	-235.67	1735351.27	393991.60	39°34'40.5829"N	80°26'20.1025"W	3558.93	183.797	1.55	-0.33	-1.52
10959.00	90.150	152.110	7961.33	3381.89	-3634.88	-190.85	1735396.08	393907.84	39°34'39.7597"N	80°26'19.5189"W	3639.89	183.006	0.56	0.09	0.55
11054.00	90.240	153.800	7961.01	3475.88	-3719.49	-147.66	1735439.27	393823.24	39°34'38.9280"N	80°26'18.9560"W	3722.42	182.273	1.78	0.09	1.78
11148.00	90.150	153.840	7960.69	3569.08	-3803.84	-106.18	1735480.74	393738.89	39°34'38.0986"N	80°26'18.4152"W	3805.33	181.599	0.10	-0.10	0.04
11242.00	90.150	154.930	7960.44	3662.39	-3888.60	-65.55	1735521.38	393654.13	39°34'37.2652"N	80°26'17.8849"W	3889.16	180.966	1.16	0.00	1.16
11338.00	90.150	155.060	7960.19	3757.81	-3975.61	-24.97	1735561.95	393567.14	39°34'36.4095"N	80°26'17.3551"W	3975.68	180.360	0.14	0.00	0.14
11433.00	89.870	154.070	7960.17	3852.15	-4061.40	15.83	1735602.75	393481.35	39°34'35.5659"N	80°26'16.8227"W	4061.43	179.777	1.08	-0.29	-1.04
11528.00	89.070	150.550	7961.05	3945.96	-4145.50	59.97	1735646.89	393397.25	39°34'34.7393"N	80°26'16.2478"W	4145.93	179.171	3.80	-0.84	-3.71
11623.00	89.870	153.310	7961.93	4039.68	-4229.31	104.68	1735691.58	393313.45	39°34'33.9156"N	80°26'15.6659"W	4230.61	178.582	3.02	0.84	2.91
11718.00	89.960	154.430	7962.07	4133.88	-4314.60	146.50	1735733.41	393228.16	39°34'33.0770"N	80°26'15.1202"W	4317.09	178.055	1.18	0.09	1.18
11813.00	89.630	153.960	7962.41	4228.15	-4400.13	187.86	1735774.77	393142.64	39°34'32.2361"N	80°26'14.5808"W	4404.14	177.555	0.60	-0.35	-0.49
11907.00	89.690	154.680	7962.97	4321.45	-4484.84	228.59	1735815.50	393057.93	39°34'31.4031"N	80°26'14.0493"W	4490.66	177.082	0.77	0.06	0.77
12002.00	89.470	154.240	7963.66	4415.77	-4570.56	269.55	1735856.45	392972.22	39°34'30.5602"N	80°26'13.5149"W	4578.50	176.625	0.52	-0.23	-0.46
12097.00	88.660	155.590	7964.39	4510.18	-4656.59	309.82	1735896.72	392886.19	39°34'29.7141"N	80°26'12.9891"W	4666.89	175.193	1.44	0.20	1.42
12191.00	89.720	155.930	7964.89	4603.73	-4742.30	348.41	1735935.31	392800.49	39°34'28.8710"N	80°26'12.4849"W	4755.08	175.798	0.37	0.06	0.36
12286.00	90.240	155.920	7964.93	4698.32	-4829.04	387.17	1735974.06	392713.76	39°34'28.0178"N	80°26'11.9785"W	4844.53	175.416	0.55	0.55	-0.01
12381.00	90.180	155.040	7964.58	4792.82	-4915.47	426.59	1736013.49	392627.33	39°34'27.1677"N	80°26'11.4635"W	4933.95	175.040	0.93	-0.06	-0.93
12476.00	90.060	155.230	7964.38	4887.27	-5001.66	466.54	1736053.43	392541.14	39°34'26.3200"N	80°26'10.9420"W	5023.37	174.671	0.24	-0.13	0.20
12570.00	90.180	155.260	7964.18	4980.75	-5087.02	505.90	1736092.79	392455.79	39°34'25.4805"N	80°26'10.4280"W	5112.12	174.321	0.13	0.13	0.03
12665.00	90.360	155.570	7963.74	5075.25	-5173.41	545.42	1736132.31	392369.41	39°34'24.6308"N	80°26'9.9118"W	5202.08	173.982	0.38	0.19	0.33
12760.00	90.160	154.720	7963.31	5169.70	-5259.61	585.35	1736172.24	392283.21	39°34'23.7831"N	80°26'9.3904"W	5292.08	173.650	0.92	-0.22	-0.89
12855.00	90.150	154.850	7963.06	5264.08	-5345.56	625.82	1736212.71	392197.27	39°34'22.9378"N	80°26'8.8622"W	5382.07	173.323	0.14	0.00	0.14
12950.00	90.090	153.720	7962.87	5358.37	-5431.15	667.04	1736253.92	392111.68	39°34'22.0962"N	80°26'8.3245"W	5471.96	172.998	1.19	-0.06	-1.19
13045.00	90.060	154.540	7962.74	5452.62	-5516.83	708.49	1736295.37	392026.21	39°34'21.2557"N	80°26'7.7838"W	5561.94	172.682	0.86	-0.03	0.86
13140.00	90.580	153.050	7962.21	5546.80	-5601.86	750.44	1736337.32	391940.98	39°34'20.4177"N	80°26'7.2368"W	5651.90	172.370	1.66	0.55	-1.57
13235.00	90.700	155.650	7961.15	5641.09	-5687.48	791.56	1736378.43	391855.36	39°34'19.5757"N	80°26'6.7004"W	5742.30	172.077	2.74	0.13	2.74
13330.00	90.360	156.300	7960.27	5735.68	-5774.25	830.24	1736417.11	391768.60	39°34'18.7222"N	80°26'6.1950"W	5833.63	171.818	0.77	-0.36	0.68
13425.00	90.330	155.830	7959.70	5830.28	-5861.08	868.78	1736455.64	391681.78	39°34'17.8681"N	80°26'5.6913"W	5925.12	171.569	0.50	-0.03	-0.49
13520.00	90.240	155.200	7959.23	5924.79	-5947.53	908.15	1736495.01	391595.33	39°34'17.0177"N	80°26'5.1771"W	6016.47	171.318	0.67	-0.09	-0.68
13615.00	90.550	155.440	7958.57	6019.27	-6033.85	947.82	1736534.68	391509.02	39°34'16.1687"N	80°26'4.6591"W	6107.84	171.073	0.41	0.33	0.25
13710.00	90.120	155.050	7958.02	6113.74	-6120.12	987.59	1736574.45	391422.75	39°34'15.3203"N	80°26'4.1397"W	6199.29	170.833	0.61	-0.45	-0.41
13805.00	90.270	155.510	7957.69	6208.21	-6206.41	1027.32	1736614.18	391336.46	39°34'14.4715"N	80°26'3.6210"W	6290.86	170.601	0.51	0.16	0.48
13900.00	90.420	155.410	7957.12	6302.72	-6292.83	1066.78	1736653.63	391250.05	39°34'13.6215"N	80°26'3.1057"W	6382.61	170.379	0.19	-0.16	-0.11

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Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/ Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

WELLPATH DATA (279 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)
13996.00	90.210	155.910	7956.59	6398.25	-6380.30	1106.34	1736693.20	891162.58	39°34'12.7612"N	80°26'2.5889"W	6475.51	170.163	0.56	-0.22	0.52
14091.00	90.670	155.420	7955.86	6492.79	-6466.85	1145.49	1736732.34	891076.04	39°34'11.9098"N	80°26'2.0775"W	6567.52	169.955	0.71	0.48	-0.52
14186.00	90.420	155.440	7954.96	6587.29	-6553.25	1184.99	1736771.84	890989.65	39°34'11.0601"N	80°26'1.5617"W	6659.52	169.750	0.26	-0.26	0.02
14281.00	90.110	155.790	7954.52	6681.82	-6639.77	1224.21	1736811.06	890903.13	39°34'10.2090"N	80°26'1.0494"W	6751.68	169.553	0.49	-0.33	0.37
14377.00	90.270	155.760	7954.20	6777.37	-6727.32	1263.60	1736850.44	890815.58	39°34'9.3479"N	80°26'0.5348"W	6844.96	169.362	0.17	0.17	-0.03
14472.00	89.990	155.750	7953.99	6871.92	-6813.94	1302.61	1736889.45	890728.98	39°34'8.4958"N	80°26'0.0252"W	6937.33	169.177	0.29	-0.29	-0.01
14566.00	89.960	155.750	7954.03	6965.48	-6899.64	1341.22	1736928.06	890643.28	39°34'7.6528"N	80°25'59.5209"W	7028.79	168.999	0.03	-0.03	0.00
14661.00	90.270	155.400	7953.84	7060.01	-6986.14	1380.50	1736967.34	890556.78	39°34'6.8020"N	80°25'59.0078"W	7121.23	168.822	0.49	0.33	-0.37
14756.00	89.500	155.230	7954.03	7154.49	-7072.46	1420.18	1737007.01	890470.47	39°34'5.9530"N	80°25'58.4898"W	7213.64	168.646	0.83	-0.81	-0.18
14851.00	90.300	156.300	7954.19	7249.04	-7159.08	1459.17	1737046.00	890383.85	39°34'5.1009"N	80°25'57.9804"W	7306.28	168.480	1.41	0.84	1.13
14947.00	89.560	155.380	7954.31	7344.60	-7246.67	1498.46	1737085.29	890296.27	39°34'4.2393"N	80°25'57.4671"W	7399.98	168.317	1.23	-0.77	-0.98
15042.00	90.180	156.240	7954.53	7439.17	-7333.33	1537.39	1737124.21	890209.62	39°34'3.3869"N	80°25'56.9586"W	7492.75	168.160	1.12	0.65	0.91
15138.00	90.140	155.690	7954.26	7534.75	-7421.01	1576.49	1737163.31	890121.95	39°34'2.5245"N	80°25'56.4477"W	7586.61	168.007	0.57	-0.04	-0.57
15233.00	90.140	156.150	7954.03	7629.33	-7507.74	1615.25	1737202.07	890035.22	39°34'1.8713"N	80°25'55.9413"W	7679.53	167.858	0.48	0.00	0.48
15328.00	90.240	156.080	7953.71	7723.94	-7594.60	1653.71	1737240.53	889948.36	39°34'0.8168"N	80°25'55.4387"W	7772.56	167.716	0.13	0.11	-0.07
15422.00	90.330	156.220	7953.24	7817.56	-7680.57	1691.72	1737278.54	889862.39	39°33'59.9710"N	80°25'54.9420"W	7864.68	167.578	0.18	0.10	-0.15
15517.00	90.390	156.230	7952.65	7912.18	-7767.51	1730.02	1737316.83	889775.46	39°33'59.1158"N	80°25'54.4415"W	7957.84	167.444	0.06	0.06	0.01
15613.00	90.360	155.680	7952.02	8007.76	-7855.18	1769.13	1737355.95	889687.80	39°33'58.2534"N	80°25'53.9304"W	8051.94	167.308	0.57	-0.03	-0.57
15708.00	90.170	155.980	7951.58	8102.33	-7941.85	1808.03	1737394.84	889601.14	39°33'57.4009"N	80°25'53.4223"W	8145.06	167.175	0.37	-0.20	0.22
15803.00	90.140	155.950	7951.32	8196.92	-8028.61	1848.72	1737433.53	889514.38	39°33'56.5474"N	80°25'52.9168"W	8238.26	167.046	0.04	-0.03	-0.03
15898.00	90.110	155.690	7951.11	8291.48	-8115.28	1885.64	1737472.44	889427.72	39°33'55.6949"N	80°25'52.4085"W	8331.47	166.919	0.28	-0.03	-0.27
15993.00	90.420	154.340	7950.67	8385.91	-8201.38	1925.76	1737512.56	889341.62	39°33'54.8480"N	80°25'51.8848"W	8424.44	166.786	1.46	0.33	-1.42
16088.00	90.240	154.660	7950.12	8481.23	-8288.03	1967.09	1737553.89	889254.98	39°33'53.9960"N	80°25'51.3456"W	8518.27	166.648	0.38	-0.19	0.33
16183.00	90.080	154.360	7949.86	8574.57	-8372.88	2007.54	1737594.34	889170.13	39°33'53.1615"N	80°25'50.8179"W	8610.19	166.517	0.36	-0.17	-0.32
16279.00	90.270	155.140	7949.57	8669.94	-8459.71	2048.49	1737635.29	889083.31	39°33'52.3077"N	80°25'50.2836"W	8704.19	166.388	0.84	0.20	0.81
16374.00	90.200	154.790	7949.18	8764.36	-8545.78	2088.69	1737675.49	888997.24	39°33'51.4611"N	80°25'49.7589"W	8797.33	166.265	0.38	-0.07	-0.37
16469.00	90.170	153.840	7948.87	8858.65	-8631.39	2129.87	1737716.66	888911.64	39°33'50.6193"N	80°25'49.2219"W	8890.28	166.139	1.00	-0.03	-1.00
16564.00	90.200	154.440	7948.56	8952.91	-8716.88	2171.30	1737758.09	888826.15	39°33'49.7787"N	80°25'48.6815"W	8983.24	166.013	0.63	0.03	0.63
16659.00	90.140	153.930	7948.28	9047.18	-8802.40	2212.67	1737799.46	888740.64	39°33'48.9378"N	80°25'48.1420"W	9076.24	165.890	0.54	-0.08	-0.54
16754.00	90.510	154.130	7947.74	9141.41	-8887.80	2254.27	1737841.06	888655.24	39°33'48.0980"N	80°25'47.5998"W	9169.23	165.768	0.44	0.39	0.21
16849.00	90.240	154.090	7947.12	9235.66	-8973.27	2295.75	1737882.53	888569.78	39°33'47.2576"N	80°25'47.0587"W	9262.29	165.649	0.29	-0.28	-0.04
16943.00	90.050	153.320	7946.88	9328.83	-9057.54	2337.39	1737924.17	888485.51	39°33'46.4290"N	80°25'46.5159"W	9354.27	165.530	0.84	-0.20	-0.82
17038.00	90.270	153.950	7946.62	9422.98	-9142.66	2379.58	1737966.36	888400.40	39°33'45.5921"N	80°25'45.9680"W	9447.25	165.411	0.70	0.23	0.66
17133.00	90.230	152.600	7946.20	9517.05	-9227.50	2422.30	1738009.08	888315.56	39°33'44.7580"N	80°25'45.4094"W	9540.15	165.291	1.42	-0.04	-1.42
17228.00	90.200	154.240	7945.85	9611.15	-9312.46	2464.81	1738051.58	888230.61	39°33'43.9227"N	80°25'44.8555"W	9633.13	165.175	1.73	-0.03	1.73
17323.00	90.480	153.050	7945.28	9705.30	-9397.58	2506.98	1738093.75	888145.49	39°33'43.0858"N	80°25'44.3058"W	9726.23	165.063	1.29	0.29	-1.25
17418.00	90.020	154.040	7944.87	9799.42	-9482.63	2549.30	1738136.07	888060.45	39°33'42.2496"N	80°25'43.7543"W	9819.33	164.952	1.15	-0.48	1.04
17513.00	90.170	156.050	7944.71	9893.76	-9568.41	2590.13	1738176.89	887974.67	39°33'41.4061"N	80°25'43.2216"W	9912.78	164.853	1.07	0.16	1.06
17608.00	90.200	155.500	7944.40	9988.24	-9654.70	2629.87	1738216.63	887888.39	39°33'40.5573"N	80°25'42.7030"W	10006.47	164.763	0.47	0.03	0.47
17703.00	90.110	154.880	7944.15	10082.70	-9740.93	2669.73	1738256.49	887802.18	39°33'39.7092"N	80°25'42.1826"W	10100.16	164.673	0.66	-0.09	-0.65
17798.00	90.140	155.000	7943.94	10177.11	-9826.99	2709.97	1738296.72	887716.11	39°33'38.8v28"N	80°25'41.6575"W	10193.80	164.583	0.13	0.03	0.13
17893.00	90.140	155.030	7943.71	10271.54	-9913.10	2750.09	1738336.85	887630.01	39°33'38.0159"N	80°25'41.1339"W	10287.49	164.495	0.03	0.00	0.03
17988.00	90.720	155.310	7942.99	10365.99	-9999.31	2789.99	1738376.74	887543.80	39°33'37.1680"N	80°25'40.6132"W	10381.25	164.410	0.68	0.61	0.29
18083.00	90.260	155.010	7942.18	10460.44	-10085.52	2829.89	1738416.64	887457.60	39°33'36.3201"N	80°25'40.0924"W	10475.02	164.326	0.58	-0.48	-0.32
18178.00	90.290	155.290	7941.73	10554.89	-10171.72	2869.82	1738456.56	887371.40	39°33'35.4722"N	80°25'39.5713"W	10568.81	164.244	0.30	0.03	0.28

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Actual Wellpath Report

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REFERENCE - WELL PATH INFORMATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

WELLPATH DATA (279 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]
18273.00	90.320	154.090	7941.22	10649.26	-10257.60	2910.43	1738497.17	387285.53	39°33'34.6277"N	80°25'39.0415"W	10662.50	164.160	1.26	0.03	-1.26
18368.00	90.360	153.930	7940.66	10743.49	-10342.99	2952.06	1738538.80	387200.14	39°33'33.7880"N	80°25'38.4987"W	10756.03	164.070	0.17	0.04	-0.17
18463.00	90.320	154.070	7940.09	10837.72	-10428.38	2993.70	1738580.44	387114.76	39°33'32.9484"N	80°25'37.9558"W	10849.58	163.983	0.15	-0.04	0.15
18557.00	90.540	154.400	7939.39	10931.00	-10513.03	3034.56	1738621.30	387030.11	39°33'32.1160"N	80°25'37.4230"W	10942.23	163.899	0.42	0.23	0.35
18653.00	90.230	155.410	7938.74	11026.40	-10599.96	3075.28	1738662.01	386943.18	39°33'31.2610"N	80°25'36.8918"W	11037.05	163.821	1.10	-0.32	1.05
18748.00	90.660	155.050	7938.00	11120.86	-10686.22	3115.08	1738701.81	386856.93	39°33'30.4126"N	80°25'36.3723"W	11130.99	163.748	0.59	0.45	-0.38
18843.00	90.720	154.860	7936.86	11215.27	-10772.28	3155.29	1738742.02	386770.88	39°33'29.5662"N	80°25'35.8476"W	11224.88	163.674	0.21	0.06	-0.20
18938.00	91.250	154.880	7935.23	11309.66	-10858.28	3195.63	1738782.35	386684.89	39°33'28.7204"N	80°25'35.3212"W	11318.75	163.601	0.56	0.56	0.02
19033.00	90.480	155.340	7933.79	11404.09	-10944.44	3235.61	1738822.33	386598.73	39°33'27.8730"N	80°25'34.7995"W	11412.71	163.530	0.94	-0.81	0.48
19128.00	90.940	155.510	7932.62	11498.40	-11030.12	3276.61	1738863.33	386513.05	39°33'27.0304"N	80°25'34.2647"W	11508.51	163.455	1.99	0.48	-1.93
19223.00	90.570	154.620	7931.36	11592.63	-11115.55	3318.16	1738904.87	386427.63	39°33'26.1904"N	80°25'33.7231"W	11600.24	163.379	1.23	-0.39	1.17
19319.00	90.450	154.600	7930.51	11687.97	-11202.27	3359.32	1738946.03	386340.91	39°33'25.3375"N	80°25'33.1862"W	11695.12	163.307	0.13	-0.12	-0.02
19414.00	90.690	157.430	7929.56	11782.55	-11288.05	3397.93	1738984.64	386254.13	39°33'24.4838"N	80°25'32.6819"W	11789.35	163.249	2.99	0.25	2.98
19509.00	89.770	155.120	7929.18	11877.18	-11376.02	3436.15	1739022.86	386167.18	39°33'23.6282"N	80°25'32.1825"W	11883.64	163.193	2.62	-0.97	-2.43
19604.00	89.950	154.700	7929.41	11971.59	-11462.05	3476.43	1739063.14	386081.15	39°33'22.7821"N	80°25'31.6569"W	11977.66	163.127	0.48	0.19	-0.44
19699.00	89.890	156.130	7929.55	12066.08	-11548.44	3515.95	1739102.68	385994.77	39°33'21.9324"N	80°25'31.1410"W	12071.80	163.067	1.51	-0.06	1.51
19794.00	90.170	154.850	7929.50	12160.59	-11634.88	3555.36	1739142.07	385908.33	39°33'21.0821"N	80°25'30.6265"W	12165.98	163.008	1.38	0.29	-1.35
19889.00	90.540	155.210	7928.91	12255.02	-11721.00	3595.47	1739182.17	385822.22	39°33'20.2351"N	80°25'30.1032"W	12260.06	162.946	0.54	0.39	0.38
19984.00	90.420	155.830	7928.11	12349.63	-11807.45	3634.83	1739221.53	385735.77	39°33'19.3847"N	80°25'29.5893"W	12354.27	162.889	0.66	-0.13	0.65
20079.00	90.540	155.480	7927.32	12444.07	-11894.00	3673.99	1739260.69	385649.22	39°33'18.5334"N	80°25'29.0780"W	12448.51	162.834	0.39	0.13	-0.37
20174.00	90.410	155.150	7926.53	12538.55	-11980.32	3713.67	1739300.36	385562.91	39°33'17.6844"N	80°25'28.5602"W	12542.70	162.778	0.37	-0.14	-0.35
20269.00	90.540	155.260	7925.74	12633.01	-12066.56	3753.50	1739340.20	385476.68	39°33'16.8361"N	80°25'28.0403"W	12636.87	162.721	0.18	0.14	0.12
20364.00	90.510	155.070	7924.87	12727.46	-12152.77	3793.40	1739380.09	385390.47	39°33'15.9882"N	80°25'27.5196"W	12731.05	162.665	0.20	-0.03	-0.20
20459.00	90.690	155.390	7923.88	12821.92	-12239.02	3833.20	1739419.89	385304.22	39°33'15.1398"N	80°25'27.0002"W	12825.25	162.610	0.39	0.19	0.34
20554.00	90.660	153.620	7922.76	12916.24	-12324.76	3874.09	1739460.77	385218.49	39°33'14.2986"N	80°25'26.4670"W	12919.30	162.550	1.86	-0.03	-1.86
20650.00	90.470	153.720	7921.81	13011.39	-12410.80	3916.67	1739503.35	385132.46	39°33'13.4507"N	80°25'25.9121"W	13014.15	162.485	0.22	-0.20	0.10
20745.00	90.600	153.960	7920.92	13105.58	-12496.06	3958.55	1739545.23	385047.20	39°33'12.6123"N	80°25'25.3663"W	13108.08	162.423	0.29	0.14	0.25
20840.00	90.440	154.340	7920.06	13199.83	-12581.55	3999.97	1739586.65	384961.71	39°33'11.7716"N	80°25'24.8283"W	13202.09	162.363	0.43	-0.17	0.40
20935.00	89.950	154.050	7919.74	13294.10	-12667.08	4041.32	1739628.00	384876.19	39°33'10.9306"N	80°25'24.2871"W	13296.13	162.305	0.60	-0.52	-0.31
21030.00	90.010	153.300	7919.77	13388.26	-12752.23	4083.45	1739670.12	384791.05	39°33'10.0934"N	80°25'23.7382"W	13390.07	162.244	0.79	0.08	-0.79
21125.00	89.890	154.420	7919.85	13482.46	-12837.51	4125.31	1739711.97	384705.77	39°33'9.2548"N	80°25'23.1927"W	13484.06	162.185	1.19	-0.13	1.18
21220.00	89.800	154.650	7920.11	13576.80	-12923.28	4166.15	1739752.82	384620.01	39°33'8.4113"N	80°25'22.6600"W	13578.22	162.132	0.26	-0.09	0.24
21315.00	89.710	154.610	7920.52	13671.15	-13009.12	4206.86	1739793.52	384534.18	39°33'7.5671"N	80°25'22.1292"W	13672.41	162.080	0.10	-0.09	-0.04
21410.00	89.800	153.730	7920.92	13765.41	-13094.62	4248.25	1739834.91	384448.68	39°33'6.7263"N	80°25'21.5896"W	13766.51	162.026	0.93	0.09	-0.93
21505.00	89.800	154.200	7921.26	13859.64	-13179.98	4289.94	1739876.60	384363.32	39°33'5.8869"N	80°25'21.0461"W	13860.58	161.970	0.49	0.00	0.49
21600.00	89.490	156.800	7921.84	13954.14	-13266.42	4329.33	1739915.99	384276.89	39°33'5.0367"N	80°25'20.5319"W	13954.96	161.927	2.76	-0.33	2.74
21695.00	90.000	155.890	7922.27	14048.78	-13353.44	4367.45	1739954.10	384189.88	39°33'4.1806"N	80°25'20.0339"W	14049.51	161.889	1.10	0.54	-0.96
21790.00	90.030	156.220	7922.24	14143.38	-13440.26	4406.01	1739992.66	384103.06	39°33'3.3264"N	80°25'19.5304"W	14144.03	161.850	0.35	0.03	0.35
21885.00	90.030	156.360	7922.19	14238.02	-13527.24	4444.21	1740030.86	384016.09	39°33'2.4707"N	80°25'19.0313"W	14238.58	161.813	0.15	0.00	0.15
21980.00	90.030	156.280	7922.14	14332.66	-13614.23	4482.38	1740069.02	383929.10	39°33'1.6148"N	80°25'18.5327"W	14333.15	161.776	0.11	0.00	-0.11
22075.00	89.930	156.070	7922.18	14427.28	-13701.13	4520.77	1740107.41	383842.20	39°33'0.7599"N	80°25'18.0312"W	14427.69	161.739	0.23	-0.11	-0.20
22170.00	90.270	155.120	7922.01	14521.88	-13787.98	4559.26	1740145.90	383755.38	39°32'59.9055"N	80°25'17.5285"W	14522.24	161.703	0.36	0.36	0.05
22265.00	90.240	156.160	7921.59	14616.50	-13874.86	4597.69	1740184.33	383668.48	39°32'59.0508"N	80°25'17.0266"W	14616.79	161.666	0.05	-0.03	0.04
22360.00	90.270	155.120	7921.16	14711.11	-13961.74	4636.12	1740222.76	383581.61	39°32'58.1961"N	80°25'16.5247"W	14711.35	161.631	0.05	0.03	-0.04
22455.00	90.120	156.080	7920.84	14805.72	-14048.60	4674.61	1740261.24	383494.76	39°32'57.3416"N	80°25'16.0220"W	14805.91	161.595	0.16	-0.16	-0.04

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Actual Wellpath Report

Radcliff 8H Proj: 23212'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 8H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 8H
Slot	Slot 08		

WELLPATH DATA (279 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]
22549.00	90.150	155.930	7920.62	14899.32	-14134.47	4712.83	1740299.46	383408.89	39°32'56.4968"N	80°25'15.5228"W	14899.47	161.560	0.16	0.03	-0.16
22644.00	90.090	155.980	7920.42	14993.90	-14221.23	4751.54	1740338.17	383322.14	39°32'55.6433"N	80°25'15.0173"W	14994.02	161.525	0.08	-0.06	0.05
22739.00	90.120	155.970	7920.25	15088.49	-14308.00	4790.22	1740376.85	383235.37	39°32'54.7897"N	80°25'14.5122"W	15088.57	161.490	0.03	0.03	-0.01
22834.00	90.240	156.070	7919.95	15183.09	-14394.80	4828.83	1740415.45	383148.58	39°32'53.9358"N	80°25'14.0080"W	15183.14	161.456	0.16	0.13	0.11
22929.00	90.240	156.180	7919.55	15277.70	-14481.67	4867.28	1740453.90	383061.71	39°32'53.0812"N	80°25'13.5059"W	15277.73	161.423	0.12	0.00	0.12
23024.00	90.270	156.160	7919.13	15372.32	-14568.57	4905.66	1740492.28	382974.82	39°32'52.2263"N	80°25'13.0046"W	15372.34	161.390	0.04	0.03	-0.02
23119.00	90.210	156.310	7918.73	15466.95	-14655.51	4943.94	1740530.56	382887.88	39°32'51.3709"N	80°25'12.5045"W	15466.95	161.359	0.17	-0.06	0.16
23187.00	90.150	155.970	7918.52	15534.67	-14717.70	4971.45	1740558.07	382825.70	39°32'50.7591"N	80°25'12.1453"W	15534.67	161.336	0.51	-0.09	-0.50
23212.00†	90.150	155.970	7918.45	15559.56	-14740.53	4981.63	1740568.24	382802.87	39°32'50.5345"N	80°25'12.0123"W	15559.56	161.327	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Radcliff 8H Ref Wellpath: Radcliff 8H Proj: 23212'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.375in Casing Surface	28.00	1387.00	1359.00	28.00	1386.66	0.00	0.00	6.16	0.78
9.625in Casing Intermediate	28.00	2751.00	2723.00	28.00	2750.20	0.00	0.00	3.16	0.40
8.75in Open Hole	2751.00	7527.00	4776.00	2750.20	7253.92	3.16	0.40	-817.43	-1214.85

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Radcliff 8H T1	7927.00	-1492.83	-1189.47	1734397.52	396049.76	39°35'0.8256"N	80°26'32.5585"W	point
Radcliff 8H T2	8054.54	-14738.87	4987.85	1740574.46	382804.53	39°32'50.5516"N	80°25'11.9332"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radcliff 8H Ref Wellpath: Radcliff 8H Proj: 23212'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2625.00	BH Generic gyro - continuous (Standard)	01 Gyro	Radcliff 8H	2/22/2024
2625.00	7448.00	OWSG MWD rev2 - Standard	02 SDI MWD	Radcliff 8H	2/22/2024
7448.00	23212.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7542-23187)	Radcliff 8H	3/13/2024

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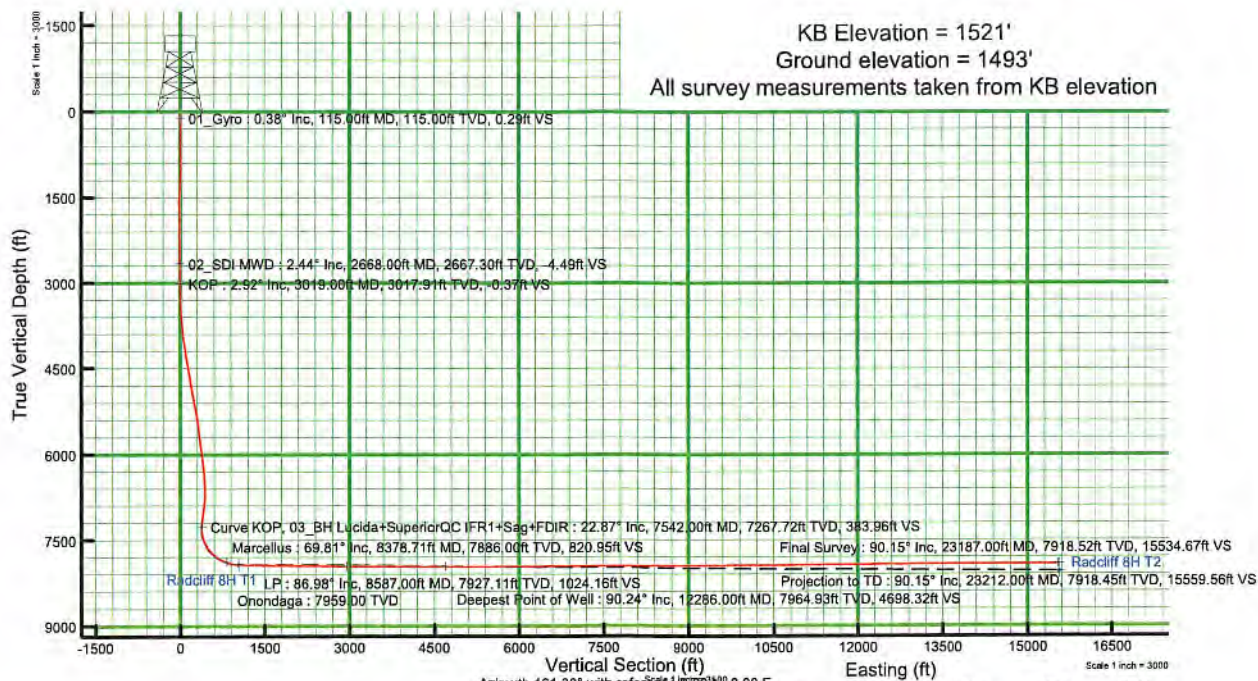
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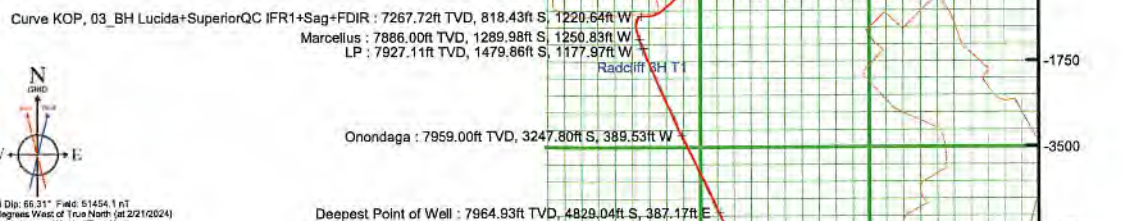
EQT PRODUCTION COMPANY

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

Slot: Slot 08
Well: Radcliff 8H
Wellbore: Radcliff 8H



Use specified Dip: 65.31° Field: 51454.1 nT
Magnetic North is 8.76 degrees West of True North (at 2/21/2024)
Grid North is 0.60 degrees West of True North
To correct azimuth from True to Grid add 0.60 degrees
To correct azimuth from Magnetic to Grid subtract 8.16 degrees



Surface Location

Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
1735585.92	397542.5	39.5876949	-80.4382129

KOP

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
3019	2.92	243.38	3017.91	3.02	10.07	1735576.85	397539.48	39.5876864	-80.4382485

Landing Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
8587	86.98	158.47	7927.11	-1479.86	-1177.97	1734409.02	396062.73	39.5835986	-80.442337

Bottom Hole Location

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
23212	90.15	155.97	7918.45	-14740.53	4981.63	1740568.24	382802.87	39.5473707	-80.4200034

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