



Actual Wellpath Report

Radcliff 4H Proj: 24498'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 4H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 4H
Slot	Slot 04		

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	4/3/2024 at 2:45:31 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	-156.77	-1.20	1735593.07	397513.14	39°35'15.4122"N	80°26'17.4840"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 04)	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	168.48°

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WELLPATH DATA (269 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†	0.00	278.640	0.00	0.00	0.00	0.00	1735593.07	397513.14	39°35'15.4122"N	80°26'17.4840"W	0.00	0.000	0.00	0.00	0.00
28.00	0.00	278.640	28.00	0.00	0.00	0.00	1735593.07	397513.14	39°35'15.4122"N	80°26'17.4840"W	0.00	0.000	0.00	0.00	0.00
115.00	0.480	278.640	115.00	-0.13	0.05	-0.36	1735592.71	397513.19	39°35'15.4127"N	80°26'17.4886"W	0.36	278.640	0.55	0.55	0.00
215.00	0.480	255.760	215.00	-0.25	0.01	-1.18	1735591.89	397513.15	39°35'15.4122"N	80°26'17.4991"W	1.18	270.710	0.19	0.00	-22.88
315.00	0.340	259.220	314.99	-0.23	-0.14	-1.88	1735591.19	397513.00	39°35'15.4106"N	80°26'17.5080"W	1.88	265.818	0.14	-0.14	3.46
415.00	0.190	214.790	414.99	-0.12	-0.34	-2.26	1735590.81	397512.80	39°35'15.4087"N	80°26'17.5129"W	2.29	261.569	0.24	-0.15	-44.43
515.00	0.050	315.350	514.99	-0.05	-0.44	-2.39	1735590.68	397512.70	39°35'15.4076"N	80°26'17.5145"W	2.43	259.549	0.21	-0.14	100.56
615.00	0.060	47.940	614.99	-0.11	-0.37	-2.38	1735590.69	397512.77	39°35'15.4083"N	80°26'17.5144"W	2.41	261.060	0.08	0.07	92.59
715.00	0.130	163.130	714.99	-0.02	-0.45	-2.31	1735590.76	397512.69	39°35'15.4076"N	80°26'17.5135"W	2.35	259.019	0.16	0.07	115.19
815.00	0.260	207.200	814.99	0.27	-0.76	-2.38	1735590.69	397512.38	39°35'15.4045"N	80°26'17.5143"W	2.50	252.325	0.19	0.13	44.07
915.00	0.180	204.680	914.99	0.57	-1.10	-2.55	1735590.52	397512.04	39°35'15.4011"N	80°26'17.5165"W	2.78	246.604	0.08	-0.08	-2.52
1015.00	0.150	222.080	1014.99	0.78	-1.34	-2.70	1735590.37	397511.80	39°35'15.3987"N	80°26'17.5184"W	3.02	243.579	0.06	-0.03	17.40
1115.00	0.100	216.050	1114.99	0.91	-1.51	-2.84	1735590.23	397511.63	39°35'15.3970"N	80°26'17.5201"W	3.22	242.006	0.05	-0.05	-6.03
1215.00	0.070	253.970	1214.99	0.98	-1.60	-2.95	1735590.12	397511.54	39°35'15.3961"N	80°26'17.5215"W	3.36	241.571	0.06	-0.03	37.92
1315.00	0.170	122.580	1314.99	1.08	-1.69	-2.89	1735590.18	397511.45	39°35'15.3952"N	80°26'17.5207"W	3.35	239.573	0.22	0.10	-131.39
1415.00	0.310	179.750	1414.99	1.45	-2.05	-2.76	1735590.31	397511.09	39°35'15.3917"N	80°26'17.5190"W	3.43	233.455	0.26	0.14	57.17
1515.00	0.090	175.520	1514.99	1.80	-2.39	-2.75	1735590.32	397510.75	39°35'15.3883"N	80°26'17.5189"W	3.65	228.980	0.22	-0.22	-4.23
1615.00	0.190	296.760	1614.99	1.77	-2.40	-2.89	1735590.18	397510.74	39°35'15.3882"N	80°26'17.5207"W	3.76	230.358	0.25	0.10	121.24
1715.00	0.150	251.430	1714.99	1.69	-2.36	-3.17	1735589.90	397510.78	39°35'15.3885"N	80°26'17.5242"W	3.95	233.245	0.14	-0.04	-45.33
1815.00	0.230	194.310	1814.99	1.88	-2.60	-3.34	1735589.73	397510.54	39°35'15.3862"N	80°26'17.5264"W	4.23	232.090	0.19	0.08	-57.12
1915.00	0.370	168.880	1914.99	2.39	-3.11	-3.33	1735589.74	397510.03	39°35'15.3811"N	80°26'17.5261"W	4.56	226.912	0.19	0.14	-25.43
2015.00	0.510	142.530	2014.98	3.11	-3.78	-2.99	1735590.08	397509.36	39°35'15.3745"N	80°26'17.5218"W	4.82	218.366	0.24	0.14	-26.35
2115.00	0.690	153.720	2114.98	4.09	-4.68	-2.46	1735590.61	397508.46	39°35'15.3658"N	80°26'17.5148"W	5.28	207.720	0.21	0.18	11.19
2215.00	0.300	159.320	2214.97	4.93	-5.46	-2.10	1735590.97	397507.68	39°35'15.3580"N	80°26'17.5101"W	5.85	201.016	0.39	-0.39	5.60
2315.00	0.120	144.300	2314.97	5.29	-5.79	-1.94	1735591.13	397507.35	39°35'15.3548"N	80°26'17.5081"W	6.11	198.560	0.19	-0.18	-15.02
2415.00	0.210	263.140	2414.97	5.37	-5.90	-2.06	1735591.01	397507.24	39°35'15.3537"N	80°26'17.5096"W	6.25	199.298	0.29	0.09	118.84
2515.00	0.050	240.520	2514.97	5.36	-5.94	-2.28	1735590.79	397507.20	39°35'15.3533"N	80°26'17.5124"W	6.36	201.038	0.16	-0.16	-22.62
2615.00	0.180	295.500	2614.97	5.28	-5.89	-2.46	1735590.61	397507.25	39°35'15.3537"N	80°26'17.5147"W	6.39	202.692	0.16	0.13	54.98
2711.00	0.110	161.610	2710.97	5.28	-5.92	-2.57	1735590.50	397507.22	39°35'15.3535"N	80°26'17.5161"W	6.45	203.492	0.28	-0.07	-139.47
2803.00	0.070	197.980	2802.97	5.42	-6.05	-2.56	1735590.51	397507.09	39°35'15.3521"N	80°26'17.5159"W	6.57	202.931	0.07	-0.04	39.53
2846.00	0.170	297.800	2845.97	5.40	-6.05	-2.63	1735590.44	397507.09	39°35'15.3522"N	80°26'17.5168"W	6.59	203.463	0.45	0.23	232.14
2889.00	0.600	210.940	2888.97	5.53	-6.21	-2.80	1735590.27	397506.93	39°35'15.3505"N	80°26'17.5189"W	6.81	204.244	1.43	1.00	-202.00
2932.00	1.470	209.660	2931.96	6.11	-6.88	-3.19	1735589.88	397506.26	39°35'15.3438"N	80°26'17.5238"W	7.59	204.836	2.02	2.02	-2.98
2975.00	2.750	210.840	2974.93	7.29	-8.25	-3.99	1735589.08	397504.89	39°35'15.3303"N	80°26'17.5339"W	9.16	205.801	2.98	2.98	2.74
3019.00	4.030	214.460	3018.86	9.14	-10.43	-5.40	1735587.67	397502.71	39°35'15.3086"N	80°26'17.5517"W	11.75	207.388	2.95	2.91	8.23
3062.00	5.580	216.820	3061.70	11.58	-13.35	-7.51	1735585.56	397499.79	39°35'15.2795"N	80°26'17.5782"W	15.32	209.366	3.63	3.60	5.49
3105.00	7.160	219.740	3104.44	14.65	-17.09	-10.48	1735582.59	397496.05	39°35'15.2423"N	80°26'17.6156"W	20.04	211.521	3.75	3.67	6.79
3148.00	8.970	221.870	3147.01	18.33	-21.64	-14.43	1735578.64	397491.50	39°35'15.1968"N	80°26'17.6655"W	26.01	213.692	4.27	4.21	4.95
3191.00	10.550	224.290	3189.39	22.54	-26.96	-19.42	1735573.65	397486.18	39°35'15.1438"N	80°26'17.7284"W	33.22	215.764	3.80	3.67	5.63
3235.00	12.400	226.560	3232.50	27.30	-33.09	-25.66	1735567.41	397480.05	39°35'15.0825"N	80°26'17.8074"W	41.87	217.793	4.33	4.20	5.16
3278.00	14.320	228.500	3274.34	32.40	-39.79	-33.00	1735560.07	397473.35	39°35'15.0156"N	80°26'17.9002"W	51.69	219.668	4.58	4.47	4.51
3321.00	15.760	228.720	3315.87	37.96	-47.16	-41.37	1735551.70	397465.98	39°35'14.9418"N	80°26'18.0061"W	62.74	221.253	3.35	3.35	0.51
3364.00	17.290	228.970	3357.09	44.00	-55.21	-50.58	1735542.49	397457.93	39°35'14.8613"N	80°26'18.1227"W	74.88	222.491	3.56	3.56	0.58
3451.00	20.280	229.060	3439.44	57.78	-73.58	-71.72	1735521.35	397439.56	39°35'14.6776"N	80°26'18.3903"W	102.76	224.267	3.44	3.44	0.10
3537.00	23.220	231.200	3519.31	72.88	-93.98	-96.20	1735496.87	397419.16	39°35'14.4735"N	80°26'18.7002"W	134.48	225.670	3.54	3.42	2.49

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Facility	Radcliff Pad		Wellbore	Radcliff 4H
Slot	Slot 04			

WELLPATH DATA (269 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]
3624.00	24.870	230.220	3598.76	89.41	-116.43	-123.63	1735469.44	397396.71	39°35'14.2487"N	80°26'19.0476"W	169.82	226.717	1.95	1.90	-1.13
3710.00	26.600	229.470	3676.23	107.31	-140.52	-152.16	1735440.91	397372.62	39°35'14.0078"N	80°26'19.4088"W	207.12	227.279	2.05	2.01	-0.87
3796.00	28.110	229.650	3752.61	126.42	-166.15	-182.24	1735410.83	397346.99	39°35'13.7513"N	80°26'19.7896"W	246.61	227.644	1.76	1.76	0.21
3883.00	30.040	229.370	3828.64	146.90	-193.60	-214.39	1735378.68	397319.54	39°35'13.4767"N	80°26'20.1965"W	288.86	227.917	2.22	2.22	-0.32
3969.00	32.330	228.050	3902.21	169.03	-222.99	-247.83	1735345.24	397290.15	39°35'13.1827"N	80°26'20.6198"W	333.39	228.020	2.78	2.66	-1.53
4055.00	35.740	226.780	3973.47	193.89	-255.58	-283.25	1735309.82	397257.56	39°35'12.8571"N	80°26'21.0678"W	381.51	227.940	4.05	3.97	-1.48
4142.00	39.420	228.080	4042.41	221.23	-291.44	-322.33	1735270.74	397221.70	39°35'12.4985"N	80°26'21.5622"W	434.55	227.881	4.33	4.23	1.49
4228.00	41.980	231.130	4107.61	248.27	-327.74	-365.05	1735228.02	397185.40	39°35'12.1353"N	80°26'22.1030"W	490.59	228.083	3.77	2.98	3.55
4314.00	43.220	234.800	4170.92	273.32	-362.77	-411.52	1735181.55	397150.37	39°35'11.7843"N	80°26'22.6918"W	548.59	228.602	3.23	1.44	4.27
4401.00	43.170	235.720	4234.35	296.80	-396.71	-460.45	1735132.62	397116.43	39°35'11.4439"N	80°26'23.3123"W	607.78	229.253	0.73	-0.06	1.06
4487.00	43.780	234.210	4296.76	320.42	-430.68	-508.90	1735084.18	397082.46	39°35'11.1031"N	80°26'23.9265"W	666.68	229.759	1.40	0.71	-1.76
4574.00	40.900	235.050	4361.06	344.12	-464.60	-556.66	1735036.41	397048.54	39°35'10.7629"N	80°26'24.5321"W	725.07	230.151	3.37	-3.31	0.97
4660.00	39.480	233.430	4426.75	366.90	-497.02	-601.70	1734991.37	397016.12	39°35'10.4378"N	80°26'25.1030"W	780.43	230.442	2.05	-1.65	-1.88
4746.00	40.310	231.810	4492.74	390.97	-530.51	-645.52	1734947.55	396982.63	39°35'10.1023"N	80°26'25.6583"W	835.55	230.586	1.55	0.97	-1.88
4833.00	40.560	230.370	4558.96	416.93	-565.95	-689.43	1734903.64	396947.19	39°35'9.7475"N	80°26'26.2143"W	891.97	230.617	1.11	0.29	-1.66
4919.00	41.020	229.760	4624.07	443.67	-602.02	-732.51	1734860.56	396911.12	39°35'9.3866"N	80°26'26.7597"W	948.15	230.585	0.71	0.53	-0.71
5006.00	40.830	229.170	4689.80	471.32	-639.06	-775.82	1734817.25	396874.08	39°35'9.0161"N	80°26'27.3080"W	1005.13	230.521	0.50	-0.22	-0.68
5092.00	39.650	230.400	4755.45	498.00	-674.93	-818.24	1734774.84	396838.21	39°35'8.6571"N	80°26'27.8449"W	1060.68	230.482	1.65	-1.37	1.43
5179.00	38.370	235.030	4823.07	521.82	-708.11	-861.76	1734731.31	396805.03	39°35'8.3247"N	80°26'28.3964"W	1115.37	230.590	3.66	-1.47	5.32
5265.00	38.340	237.560	4890.51	541.97	-737.72	-906.15	1734686.92	396775.42	39°35'8.0275"N	80°26'28.9594"W	1168.47	230.850	1.83	-0.03	2.94
5352.00	39.110	241.220	4958.39	559.76	-765.41	-952.98	1734640.09	396747.73	39°35'7.7490"N	80°26'29.5538"W	1222.30	231.230	2.78	0.89	4.21
5429.00	39.030	245.870	5018.19	572.26	-787.02	-996.40	1734596.67	396726.13	39°35'7.5309"N	80°26'30.1056"W	1269.73	231.696	3.81	-0.10	6.04
5515.00	40.370	251.500	5084.37	581.57	-806.93	-1047.55	1734545.53	396706.21	39°35'7.3288"N	80°26'30.7561"W	1322.30	232.393	4.46	1.56	6.55
5602.00	41.990	255.040	5149.86	586.74	-823.39	-1102.39	1734490.68	396689.75	39°35'7.1605"N	80°26'31.4544"W	1375.95	233.244	3.26	1.86	4.07
5689.00	40.830	254.660	5215.11	590.39	-838.42	-1157.94	1734435.14	396674.72	39°35'7.0061"N	80°26'32.1619"W	1429.61	234.093	1.36	-1.33	-0.44
5775.00	39.480	254.280	5280.84	594.27	-853.27	-1211.37	1734381.70	396659.87	39°35'6.8538"N	80°26'32.8423"W	1481.72	234.840	1.60	-1.57	-0.44
5861.00	39.560	254.740	5347.18	598.06	-867.88	-1264.11	1734328.97	396645.26	39°35'6.7039"N	80°26'33.5140"W	1533.36	235.528	0.35	0.09	0.53
5948.00	39.880	254.510	5414.10	601.80	-882.63	-1317.71	1734275.36	396630.52	39°35'6.5527"N	80°26'34.1967"W	1586.00	236.185	0.40	0.37	-0.26
6034.00	39.260	255.310	5480.39	605.22	-896.89	-1370.61	1734222.47	396616.25	39°35'6.4062"N	80°26'34.8703"W	1637.98	236.800	0.93	-0.72	0.93
6120.00	39.720	256.650	5546.76	607.61	-910.14	-1423.67	1734169.41	396603.01	39°35'6.2698"N	80°26'35.5483"W	1689.73	237.410	1.13	0.53	1.56
6207.00	41.280	256.860	5612.91	609.31	-923.08	-1478.66	1734114.41	396590.06	39°35'6.1362"N	80°26'36.2470"W	1743.14	238.025	1.80	1.79	0.24
6293.00	43.230	256.850	5676.57	610.96	-936.23	-1534.97	1734058.10	396576.91	39°35'6.0003"N	80°26'36.9644"W	1797.96	238.620	2.27	2.27	-0.01
6379.00	42.420	258.000	5739.64	612.04	-948.96	-1592.03	1734001.04	396564.18	39°35'5.8686"N	80°26'37.6914"W	1853.40	239.202	1.31	-0.94	1.34
6466.00	41.660	259.700	5804.26	611.68	-960.23	-1649.18	1733943.89	396552.91	39°35'5.7513"N	80°26'38.4199"W	1908.36	239.790	1.57	-0.87	1.95
6552.00	41.630	258.730	5868.52	610.95	-970.93	-1705.32	1733887.75	396542.22	39°35'5.6397"N	80°26'39.1355"W	1962.35	240.345	0.75	-0.03	-1.13
6629.00	41.350	257.660	5926.20	611.20	-981.36	-1755.25	1733837.82	396531.78	39°35'5.5314"N	80°26'39.7718"W	2010.96	240.790	0.99	-0.36	-1.39
6715.00	40.320	256.140	5991.27	612.75	-994.10	-1810.02	1733783.05	396519.04	39°35'5.3998"N	80°26'40.4696"W	2065.04	241.224	1.66	-1.20	-1.77
6802.00	38.480	253.840	6058.50	616.10	-1008.38	-1863.35	1733729.72	396504.77	39°35'5.2532"N	80°26'41.1489"W	2118.70	241.579	2.70	-2.11	-2.64
6888.00	37.670	251.840	6126.20	621.30	-1024.01	-1914.02	1733679.05	396489.13	39°35'5.0934"N	80°26'41.7940"W	2170.73	241.853	1.72	-0.94	-2.33
6975.00	40.050	250.470	6193.94	628.28	-1041.66	-1965.67	1733627.40	396471.48	39°35'4.9136"N	80°26'42.4513"W	2224.62	242.080	2.91	2.74	-1.57
7061.00	41.860	251.930	6258.89	635.42	-1059.81	-2019.03	1733574.04	396453.33	39°35'4.7287"N	80°26'43.1304"W	2280.28	242.305	2.38	2.10	1.70
7147.00	41.630	254.800	6323.06	640.53	-1076.20	-2073.88	1733519.19	396436.94	39°35'4.5610"N	80°26'43.8287"W	2336.49	242.574	2.24	-0.27	3.34
7234.00	40.250	255.750	6388.78	643.73	-1090.70	-2129.01	1733464.06	396422.44	39°35'4.4119"N	80°26'44.5310"W	2392.14	242.874	1.74	-1.59	1.09
7320.00	39.520	256.260	6454.77	646.11	-1104.04	-2182.52	1733410.55	396409.11	39°35'4.2746"N	80°26'45.2126"W	2445.88	243.167	0.93	-0.85	0.59
7406.00	40.120	255.570	6520.82	648.59	-1117.44	-2235.94	1733357.14	396395.70	39°35'4.1365"N	80°26'45.8930"W	2499.62	243.446	0.87	0.70	-0.80

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Radcliff 4H Proj: 24498'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 4H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 4H
Slot	Slot 04		

WELLPATH DATA (269 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]
7493.00	40.400	255.490	5587.21	651.48	-1131.49	2290.38	1733302.69	396381.65	39°35'3.9920"N	80°26'46.5865"W	2554.62	243.710	0.33	0.32	-0.09
7579.00	40.030	254.640	5652.89	654.79	-1145.80	2344.03	1733249.04	396367.34	39°35'3.8450"N	80°26'47.2698"W	2609.09	243.950	0.77	-0.43	-0.99
7623.00	40.510	254.260	5686.46	656.80	-1153.42	2371.43	1733221.65	396359.72	39°35'3.7668"N	80°26'47.6187"W	2637.06	244.062	1.23	1.09	-0.86
7734.00	40.130	252.650	5771.09	663.09	-1173.87	2440.28	1733152.80	396339.27	39°35'3.5575"N	80°26'48.4953"W	2707.94	244.311	1.00	-0.34	-1.45
7829.00	41.480	253.990	5843.00	668.67	-1191.68	2499.74	1733093.33	396321.46	39°35'3.3753"N	80°26'49.2524"W	2769.26	244.512	1.69	1.42	1.41
7923.00	41.490	254.270	5913.42	673.39	-1208.71	2559.64	1733033.44	396304.44	39°35'3.2008"N	80°26'50.0151"W	2830.67	244.722	0.20	0.01	0.30
8018.00	41.730	255.000	5984.45	677.63	-1225.42	2620.47	1732972.61	396287.72	39°35'3.0293"N	80°26'50.7898"W	2892.84	244.938	0.57	0.25	0.77
8113.00	41.770	255.440	7055.33	681.23	-1241.56	2681.63	1732911.44	396271.58	39°35'2.8634"N	80°26'51.5688"W	2955.10	245.157	0.31	0.04	0.46
8208.00	41.780	255.310	7126.17	684.66	-1257.54	2742.87	1732850.20	396255.60	39°35'2.6991"N	80°26'52.3488"W	3017.41	245.370	0.09	0.01	-0.14
8303.00	41.780	255.330	7197.02	688.16	-1273.58	2804.10	1732788.97	396239.56	39°35'2.5342"N	80°26'53.1287"W	3079.77	245.573	0.01	0.00	0.02
8399.00	41.720	255.290	7268.64	691.70	-1289.79	2865.94	1732727.14	396223.35	39°35'2.3675"N	80°26'53.9163"W	3142.79	245.770	0.07	-0.06	-0.04
8494.00	41.670	255.270	7339.57	695.23	-1305.85	2927.05	1732666.02	396207.30	39°35'2.2024"N	80°26'54.6947"W	3205.13	245.957	0.05	-0.05	-0.02
8588.00	41.730	255.360	7409.76	698.69	-1321.70	2987.54	1732605.53	396191.44	39°35'2.0394"N	80°26'55.4651"W	3266.85	246.135	0.09	0.06	0.10
8683.00	41.790	240.290	7480.80	710.33	-1345.44	3045.77	1732547.30	396167.70	39°35'1.7987"N	80°26'56.2057"W	3329.71	246.167	10.55	0.06	-15.86
8778.00	43.160	224.350	7551.08	738.53	-1384.48	3096.13	1732496.95	396128.67	39°35'1.4077"N	80°26'56.8436"W	3391.58	245.908	11.40	1.44	-16.78
8873.00	47.180	214.960	7618.11	780.82	-1436.34	3138.87	1732454.20	396076.80	39°35'0.8906"N	80°26'57.3825"W	3451.90	245.411	8.18	4.23	-9.88
8968.00	48.580	202.150	7681.97	834.58	-1498.03	3172.34	1732420.73	396015.11	39°35'0.2774"N	80°26'57.8017"W	3508.26	244.723	10.10	1.47	-13.48
9063.00	53.460	192.360	7741.80	899.26	-1568.45	3193.99	1732399.09	395944.69	39°34'59.5792"N	80°26'58.0686"W	3558.31	243.846	9.51	5.14	-10.31
9158.00	58.900	185.350	7794.70	973.20	-1646.35	3205.97	1732387.11	395866.79	39°34'58.8080"N	80°26'58.2111"W	3603.98	242.818	8.38	5.73	-7.38
9253.00	64.660	179.460	7839.64	1054.39	-1729.90	3209.36	1732383.71	395783.24	39°34'57.9819"N	80°26'58.2432"W	3645.90	241.675	8.16	6.06	-6.20
9348.00	72.050	172.660	7874.69	1141.81	-1817.86	3203.17	1732389.91	395695.29	39°34'57.1133"N	80°26'58.1522"W	3683.05	240.424	10.23	7.78	-7.16
9442.00	78.610	167.720	7898.50	1232.63	-1907.37	3187.63	1732405.45	395605.77	39°34'56.2302"N	80°26'57.9417"W	3714.71	239.105	8.63	6.98	-5.26
9537.00	85.270	162.430	7911.82	1326.44	-1998.17	3163.39	1732429.68	395514.98	39°34'55.3354"N	80°26'57.6198"W	3741.62	237.721	8.92	7.01	-5.57
9632.00	85.270	158.630	7919.65	1420.18	-2087.41	3131.84	1732461.23	395425.73	39°34'54.4566"N	80°26'57.2048"W	3763.74	236.316	3.99	0.00	-4.00
9727.00	89.120	156.310	7924.30	1513.30	-2175.03	3095.49	1732497.58	395338.11	39°34'53.5945"N	80°26'56.7287"W	3783.23	234.906	4.73	4.05	-2.44
9822.00	88.940	156.450	7925.91	1606.17	-2262.06	3057.43	1732535.64	395251.08	39°34'52.7383"N	80°26'56.2309"W	3803.26	233.504	0.24	-0.19	0.15
9917.00	89.440	153.860	7927.25	1698.59	-2348.25	3017.52	1732575.55	395164.89	39°34'51.8906"N	80°26'55.7096"W	3823.58	232.110	2.78	0.53	-2.73
10012.00	89.040	154.330	7928.51	1790.61	-2433.70	2976.03	1732617.05	395079.45	39°34'51.0505"N	80°26'55.1681"W	3844.43	230.725	0.65	-0.42	0.49
10106.00	88.700	153.360	7930.37	1881.53	-2518.06	2934.60	1732658.48	394995.09	39°34'50.2211"N	80°26'54.6276"W	3866.84	229.368	1.09	-0.36	-1.03
10201.00	89.010	154.320	7932.27	1973.43	-2603.31	2892.72	1732700.35	394909.84	39°34'49.3829"N	80°26'54.0813"W	3891.67	228.014	1.06	0.33	1.01
10296.00	88.790	154.010	7934.09	2065.46	-2688.80	2851.33	1732741.74	394824.35	39°34'48.5423"N	80°26'53.5412"W	3919.15	226.680	0.40	-0.23	-0.33
10391.00	89.100	153.990	7935.84	2157.43	-2774.17	2809.69	1732783.38	394738.98	39°34'47.7029"N	80°26'52.9979"W	3948.47	225.365	0.33	0.33	-0.02
10485.00	88.730	153.850	7937.62	2248.39	-2858.58	2768.38	1732824.70	394654.56	39°34'46.8729"N	80°26'52.4588"W	3979.37	224.082	0.42	-0.39	-0.15
10580.00	88.910	154.500	7939.58	2340.42	-2944.07	2727.00	1732866.07	394569.07	39°34'46.0323"N	80°26'51.9189"W	4012.99	222.808	0.71	0.19	0.68
10675.00	88.730	153.980	7941.53	2432.48	-3029.62	2685.72	1732907.35	394483.53	39°34'45.1912"N	80°26'51.3802"W	4048.66	221.557	0.58	-0.19	-0.55
10770.00	89.750	153.820	7942.79	2524.41	-3114.92	2643.93	1732949.14	394398.23	39°34'44.3524"N	80°26'50.8350"W	4085.72	220.324	1.09	1.07	-0.17
10865.00	89.620	153.800	7943.31	2616.31	-3200.16	2602.01	1732991.07	394312.98	39°34'43.5143"N	80°26'50.2880"W	4124.50	219.114	0.14	-0.14	-0.02
10960.00	89.680	154.080	7943.90	2708.26	-3285.50	2560.27	1733032.80	394227.64	39°34'42.6752"N	80°26'49.7435"W	4165.28	217.928	0.30	0.06	0.29
11055.00	89.530	154.140	7944.55	2800.29	-3370.97	2518.79	1733074.28	394142.18	39°34'41.8349"N	80°26'49.2023"W	4208.06	216.767	0.17	-0.16	0.06
11149.00	89.780	154.570	7945.12	2891.44	-3455.71	2478.11	1733114.96	394057.44	39°34'41.0016"N	80°26'48.6713"W	4252.40	215.645	0.53	0.27	0.46
11243.00	89.680	153.920	7945.56	2982.55	-3540.37	2437.27	1733155.81	393972.78	39°34'40.1692"N	80°26'48.1383"W	4298.19	214.544	0.70	-0.11	-0.69
11339.00	89.680	154.990	7946.10	3075.68	-3626.98	2395.87	1733197.21	393886.17	39°34'39.3175"N	80°26'47.5980"W	4346.86	213.448	1.11	0.00	1.11
11434.00	89.710	153.410	7946.60	3167.74	-3712.51	2354.52	1733238.55	393800.64	39°34'38.4765"N	80°26'47.0585"W	4396.19	212.383	1.66	0.03	-1.66
11529.00	89.160	153.810	7947.54	3259.55	-3797.60	2312.30	1733280.77	393715.55	39°34'37.6399"N	80°26'46.5078"W	4446.18	211.337	0.72	-0.58	0.42
11624.00	89.350	154.160	7948.77	3351.52	-3882.97	2270.64	1733322.44	393630.18	39°34'36.8005"N	80°26'45.9642"W	4498.14	210.318	0.42	0.20	0.37

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Radcliff 4H Proj: 24498'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Radcliff 4H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 4H
Slot	Slot 04		

WELLPATH DATA (269 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]
11719.00	89.810	153.840	7949.47	3443.50	-3968.35	2228.99	1733364.08	933544.80	39°34'35.9610"N	80°26'45.4209"W	4551.51	209.323	0.59	0.48	-0.34
11814.00	89.620	154.390	7949.94	3535.52	-4053.82	2187.52	1733405.55	933459.33	39°34'35.1206"N	80°26'44.8798"W	4606.38	208.352	0.61	-0.20	0.58
11908.00	89.750	154.980	7950.46	3626.81	-4138.79	2147.33	1733445.75	933374.36	39°34'34.2850"N	80°26'44.3550"W	4662.68	207.422	0.64	0.14	0.63
12003.00	90.110	154.980	7950.57	3719.18	-4224.88	2107.15	1733485.93	933288.27	39°34'33.4383"N	80°26'43.8304"W	4721.19	206.508	0.38	0.38	0.00
12098.00	90.080	154.570	7950.42	3811.48	-4310.82	2066.66	1733526.41	933202.33	39°34'32.5932"N	80°26'43.3018"W	4780.61	205.614	0.43	-0.03	-0.43
12192.00	89.680	154.180	7950.61	3902.64	-4395.57	2026.01	1733567.06	933117.58	39°34'31.7598"N	80°26'42.7712"W	4840.02	204.746	0.59	-0.43	-0.41
12287.00	90.240	156.180	7950.68	3995.08	-4481.79	1986.13	1733606.94	933031.36	39°34'30.9118"N	80°26'42.2504"W	4902.16	203.901	2.19	0.59	2.11
12382.00	89.740	155.280	7950.70	4087.74	-4568.39	1947.09	1733645.99	932944.76	39°34'30.0599"N	80°26'41.7401"W	4966.02	203.084	1.08	-0.53	-0.95
12477.00	89.500	154.840	7951.33	4180.14	-4654.53	1907.03	1733686.05	932858.62	39°34'29.2127"N	80°26'41.2170"W	5030.05	202.280	0.53	-0.25	-0.46
12571.00	89.560	154.830	7952.10	4271.48	-4739.61	1867.06	1733726.02	932773.54	39°34'28.3761"N	80°26'40.6951"W	5094.09	201.501	0.06	0.06	-0.01
12666.00	89.650	155.920	7952.75	4364.00	-4825.96	1827.48	1733765.60	932687.19	39°34'27.5267"N	80°26'40.1780"W	5160.39	200.740	1.15	0.09	1.15
12761.00	89.770	154.900	7953.23	4456.54	-4912.35	1787.94	1733805.13	932600.80	39°34'26.6771"N	80°26'39.6616"W	5227.61	200.000	1.08	0.13	-1.07
12856.00	89.440	154.750	7953.89	4548.85	-4998.32	1747.53	1733845.54	932514.83	39°34'25.8316"N	80°26'39.1340"W	5295.01	199.271	0.38	-0.35	-0.16
12951.00	89.500	155.130	7954.77	4641.20	-5084.37	1707.30	1733885.78	932428.78	39°34'24.9853"N	80°26'38.6086"W	5363.37	198.562	0.40	0.06	0.40
13046.00	89.870	154.550	7955.29	4733.52	-5170.36	1686.91	1733926.16	932342.79	39°34'24.1396"N	80°26'38.0813"W	5432.42	197.869	0.72	0.39	-0.61
13141.00	89.530	154.370	7955.79	4825.89	-5256.07	1625.95	1733967.12	932257.08	39°34'23.2967"N	80°26'37.5468"W	5501.82	197.189	0.40	-0.36	-0.19
13236.00	89.500	154.770	7956.59	4917.89	-5341.87	1585.16	1734007.91	932171.28	39°34'22.4531"N	80°26'37.0143"W	5572.10	196.528	0.42	-0.03	0.42
13331.00	89.130	154.790	7957.73	5010.18	-5427.80	1544.68	1734048.39	932085.35	39°34'21.6079"N	80°26'36.4859"W	5643.32	195.886	0.39	-0.39	0.02
13426.00	89.620	155.410	7958.76	5102.60	-5513.97	1504.69	1734088.39	931999.18	39°34'20.7605"N	80°26'35.9636"W	5715.59	195.264	0.83	0.52	0.65
13521.00	89.680	155.650	7959.34	5195.18	-5600.43	1465.34	1734127.74	931912.72	39°34'19.9100"N	80°26'35.4495"W	5788.96	194.663	0.26	0.06	0.25
13616.00	89.430	154.750	7960.08	5287.63	-5686.67	1425.49	1734167.58	931826.48	39°34'19.0619"N	80°26'34.9291"W	5862.61	194.072	0.98	-0.26	-0.95
13711.00	89.620	155.210	7960.87	5380.00	-5772.75	1385.31	1734207.76	931740.40	39°34'18.2153"N	80°26'34.4045"W	5936.64	193.494	0.52	0.20	0.48
13806.00	89.770	157.010	7961.38	5472.79	-5859.61	1346.84	1734246.23	931653.54	39°34'17.3608"N	80°26'33.9016"W	6012.40	192.945	1.90	0.16	1.89
13901.00	89.030	152.770	7962.37	5565.10	-5945.60	1306.54	1734286.53	931567.55	39°34'16.5151"N	80°26'33.3754"W	6087.47	192.394	4.53	-0.78	-4.46
13997.00	89.650	154.530	7963.48	5657.89	-6031.62	1263.94	1734329.14	931481.53	39°34'15.6694"N	80°26'32.8199"W	6162.63	191.835	1.94	0.65	1.83
14092.00	89.900	155.260	7963.85	5750.23	-6117.64	1223.63	1734369.44	931395.51	39°34'14.8233"N	80°26'32.2936"W	6238.82	191.311	0.81	0.26	0.77
14187.00	90.020	155.550	7963.92	5842.76	-6204.02	1184.09	1734408.98	931309.13	39°34'13.9737"N	80°26'31.7772"W	6316.01	190.805	0.33	0.13	0.31
14282.00	89.860	155.340	7964.02	5935.31	-6290.43	1144.61	1734448.46	931222.72	39°34'13.1238"N	80°26'31.2615"W	6393.72	190.313	0.28	-0.17	-0.22
14378.00	89.710	154.210	7964.38	6028.58	-6377.28	1103.70	1734489.37	931135.88	39°34'12.2698"N	80°26'30.7274"W	6472.08	189.819	1.19	-0.16	-1.18
14473.00	89.800	155.070	7964.78	6120.82	-6463.12	1063.01	1734530.06	931050.03	39°34'11.4256"N	80°26'30.1963"W	6549.96	189.340	0.91	0.09	0.91
14567.00	89.680	154.570	7965.21	6212.15	-6548.19	1023.02	1734570.05	930964.97	39°34'10.5890"N	80°26'29.6743"W	6627.62	188.880	0.55	-0.13	-0.53
14757.00	90.140	154.770	7965.51	6396.66	-6719.92	941.73	1734651.34	930793.23	39°34'8.9001"N	80°26'28.6133"W	6785.59	187.977	0.26	0.24	0.11
14852.00	89.930	154.360	7965.45	6488.87	-6805.71	900.93	1734692.14	930707.44	39°34'8.0564"N	80°26'28.0808"W	6865.08	187.541	0.48	-0.22	-0.43
14948.00	89.960	154.980	7965.54	6582.09	-6892.48	859.86	1734733.21	930620.67	39°34'7.2031"N	80°26'27.5447"W	6945.91	187.111	0.65	0.03	0.65
15043.00	90.020	153.860	7965.56	6674.24	-6978.17	818.84	1734774.23	930534.99	39°34'6.3605"N	80°26'27.0095"W	7026.05	186.693	1.18	0.06	-1.18
15139.00	90.080	155.810	7965.47	6767.52	-7065.05	778.02	1734815.05	930448.10	39°34'5.5060"N	80°26'26.4766"W	7107.76	186.284	2.03	0.06	2.03
15234.00	90.170	156.010	7965.27	6860.25	-7151.78	739.25	1734853.83	930361.38	39°34'4.6529"N	80°26'25.9699"W	7189.88	185.901	0.23	0.09	0.21
15329.00	90.050	155.830	7965.08	6952.97	-7238.51	700.48	1734892.59	930274.64	39°34'3.7997"N	80°26'25.4634"W	7272.33	185.527	0.23	-0.13	-0.19
15423.00	89.830	154.090	7965.18	7044.36	-7323.67	660.70	1734932.37	930189.48	39°34'2.9621"N	80°26'24.9440"W	7353.41	185.155	1.87	-0.23	-1.85
15518.00	89.740	155.670	7965.54	7136.69	-7409.68	620.37	1734972.70	930103.47	39°34'2.1162"N	80°26'24.4175"W	7435.61	184.786	1.67	-0.09	1.66
15614.00	89.650	155.610	7966.05	7230.29	-7497.14	580.78	1735012.29	930016.02	39°34'1.2560"N	80°26'23.9002"W	7519.60	184.430	0.11	-0.09	-0.06
15709.00	89.890	155.910	7966.43	7322.95	-7583.76	541.77	1735051.30	929929.40	39°34'0.4039"N	80°26'23.3906"W	7603.09	184.086	0.40	0.25	0.32
15804.00	89.740	155.810	7966.74	7415.66	-7670.45	502.92	1735090.15	929842.70	39°33'59.5511"N	80°26'22.8830"W	7686.92	183.751	0.19	-0.16	-0.11
15899.00	90.110	155.470	7966.86	7508.28	-7756.99	463.74	1735129.33	929756.16	39°33'58.6999"N	80°26'22.3711"W	7770.84	183.421	0.53	0.39	-0.36
15994.00	90.080	155.560	7966.70	7600.85	-7843.45	424.36	1735168.71	929669.71	39°33'57.8495"N	80°26'21.8568"W	7854.92	183.097	0.10	-0.03	0.09

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Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION					
Operator	EQT PRODUCTION COMPANY			Well	Radcliff 4H
Field	Marion			API/Legal	
Facility	Radcliff Pad			Wellbore	Radcliff 4H
Slot	Slot 04				

WELLPATH DATA (269 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]
16090.00	90.260	155.670	7966.42	7694.44	-7930.89	-384.73	1735208.34	389582.27	39°33'56.9894"N	80°26'21.3390"W	7940.21	182.777	0.22	0.19	0.11
16184.00	90.050	155.920	7966.17	7786.15	-8016.62	-346.19	1735246.88	389496.54	39°33'56.1460"N	80°26'20.8354"W	8024.09	182.473	0.35	-0.22	0.27
16280.00	90.110	155.760	7966.03	7879.82	-8104.21	-306.90	1735286.17	389408.94	39°33'55.2844"N	80°26'20.3220"W	8110.02	182.169	0.18	0.06	-0.17
16375.00	90.110	155.460	7965.85	7972.43	-8190.73	-267.67	1735325.40	389322.42	39°33'54.4333"N	80°26'19.8096"W	8195.11	181.872	0.32	0.00	-0.32
16470.00	90.200	155.980	7965.59	8065.08	-8277.33	-228.60	1735364.47	389235.83	39°33'53.5915"N	80°26'19.2992"W	8280.49	181.582	0.56	0.09	0.55
16565.00	90.110	155.740	7965.34	8157.78	-8364.02	-189.75	1735403.32	389149.14	39°33'52.7287"N	80°26'18.7916"W	8366.17	181.300	0.27	-0.09	-0.25
16660.00	90.140	155.880	7965.13	8250.47	-8450.68	-150.83	1735442.24	389062.48	39°33'51.8763"N	80°26'18.2830"W	8452.02	181.022	0.15	0.03	0.15
16755.00	90.080	155.660	7964.95	8343.14	-8537.31	-111.84	1735481.23	388975.85	39°33'51.0241"N	80°26'17.7736"W	8538.04	180.751	0.24	-0.06	-0.23
16850.00	90.140	155.530	7964.76	8435.74	-8623.82	-72.59	1735520.48	388889.34	39°33'50.1732"N	80°26'17.2609"W	8624.13	180.482	0.15	0.06	-0.14
16944.00	90.040	155.740	7964.62	8527.39	-8709.45	-33.81	1735559.26	388803.71	39°33'49.3309"N	80°26'16.7543"W	8709.51	180.222	0.25	-0.11	0.22
17039.00	90.080	155.940	7964.52	8620.09	-8796.13	5.08	1735598.15	388717.03	39°33'48.4782"N	80°26'16.2463"W	8796.13	179.967	0.21	0.04	0.21
17134.00	90.080	155.660	7964.38	8712.77	-8882.78	44.02	1735637.09	388630.38	39°33'47.6258"N	80°26'15.7375"W	8882.89	179.716	0.29	0.00	-0.29
17324.00	90.140	156.100	7964.02	8898.19	-9056.19	121.66	1735714.73	388456.97	39°33'45.9200"N	80°26'14.7230"W	9057.01	179.230	0.23	0.03	0.23
17419.00	90.200	154.540	7963.74	8990.69	-9142.51	161.33	1735754.40	388370.65	39°33'45.0709"N	80°26'14.2050"W	9143.93	178.989	1.64	0.06	-1.64
17514.00	90.010	154.240	7963.56	9082.83	-9228.18	202.39	1735795.46	388284.98	39°33'44.2285"N	80°26'13.6693"W	9230.39	178.744	0.37	-0.20	-0.32
17609.00	90.170	155.060	7963.41	9175.07	-9314.03	243.06	1735836.13	388199.13	39°33'43.3842"N	80°26'13.1386"W	9317.20	178.505	0.88	0.17	0.86
17704.00	90.110	154.770	7963.18	9267.42	-9400.07	283.34	1735876.41	388113.09	39°33'42.5380"N	80°26'12.6129"W	9404.34	178.273	0.31	-0.06	-0.31
17799.00	90.070	154.590	7963.03	9359.67	-9485.94	323.97	1735917.04	388027.22	39°33'41.6935"N	80°26'12.0827"W	9491.47	178.044	0.19	-0.04	-0.19
17894.00	90.200	155.150	7962.81	9452.00	-9571.95	364.31	1735957.38	387941.21	39°33'40.8476"N	80°26'11.5561"W	9578.88	177.820	0.61	0.14	0.59
17989.00	90.070	155.040	7962.58	9544.42	-9658.11	404.32	1735997.39	387855.05	39°33'40.0001"N	80°26'11.0339"W	9666.57	177.603	0.18	-0.14	-0.12
18084.00	90.170	154.830	7962.39	9636.78	-9744.17	444.57	1736037.63	387768.99	39°33'39.1538"N	80°26'10.5085"W	9754.30	177.388	0.24	0.11	-0.22
18179.00	90.140	154.750	7962.13	9729.08	-9830.12	485.03	1736078.10	387683.04	39°33'38.3085"N	80°26'9.9805"W	9842.08	177.175	0.09	-0.03	-0.08
18274.00	90.100	155.090	7961.93	9821.42	-9916.16	525.30	1736118.37	387597.00	39°33'37.4622"N	80°26'9.4549"W	9930.06	176.968	0.36	-0.04	0.36
18369.00	90.140	155.050	7961.73	9913.83	-10002.31	565.34	1736158.41	387510.85	39°33'36.6149"N	80°26'8.9321"W	10018.27	176.765	0.06	0.04	-0.04
18464.00	90.070	154.600	7961.56	10006.15	-10088.28	605.75	1736198.82	387424.88	39°33'35.7694"N	80°26'8.4047"W	10106.45	176.564	0.48	-0.07	-0.47
18558.00	90.350	154.660	7961.21	10097.41	-10173.22	646.03	1736239.10	387339.94	39°33'34.9341"N	80°26'7.8792"W	10193.71	176.366	0.30	0.30	0.06
18654.00	90.380	154.740	7960.60	10190.64	-10260.01	687.05	1736280.12	387253.15	39°33'34.0805"N	80°26'7.3439"W	10282.99	176.169	0.09	0.03	0.08
18749.00	90.260	154.500	7960.07	10282.87	-10345.84	727.77	1736320.84	387167.32	39°33'33.2364"N	80°26'6.8126"W	10371.40	175.976	0.28	-0.13	-0.25
18844.00	90.600	154.730	7959.36	10375.10	-10431.66	768.50	1736361.57	387081.50	39°33'32.3924"N	80°26'5.2812"W	10459.93	175.787	0.43	0.36	0.24
18939.00	90.530	154.660	7958.42	10467.36	-10517.54	809.10	1736402.17	386995.62	39°33'31.5478"N	80°26'5.7514"W	10548.62	175.601	0.10	-0.07	-0.07
19034.00	90.600	154.690	7957.48	10559.61	-10603.41	849.74	1736442.80	386909.75	39°33'30.7033"N	80°26'5.2212"W	10637.40	175.418	0.08	0.07	0.03
19129.00	91.150	154.810	7956.03	10651.88	-10689.32	890.25	1736483.32	386823.84	39°33'29.8584"N	80°26'4.6924"W	10726.33	175.239	0.59	0.58	0.13
19224.00	91.060	154.230	7954.20	10744.05	-10775.06	931.12	1736524.18	386738.10	39°33'29.0152"N	80°26'4.1594"W	10815.22	175.061	0.62	-0.09	-0.61
19320.00	91.210	154.670	7952.30	10837.17	-10861.66	972.51	1736565.58	386651.50	39°33'28.1636"N	80°26'3.6193"W	10905.11	174.884	0.48	0.16	0.46
19415.00	90.470	154.350	7950.91	10929.35	-10947.40	1013.39	1736606.46	386565.76	39°33'27.3204"N	80°26'3.0860"W	10994.21	174.711	0.85	-0.78	-0.34
19510.00	90.530	154.730	7950.08	11021.54	-11033.17	1054.23	1736647.30	386479.99	39°33'26.4769"N	80°26'2.5533"W	11083.42	174.542	0.40	0.06	0.40
19605.00	90.660	154.560	7949.09	11113.78	-11119.02	1094.91	1736687.98	386394.15	39°33'25.6326"N	80°26'2.0225"W	11172.80	174.376	0.23	0.14	-0.18
19700.00	90.410	154.530	7948.20	11205.98	-11204.79	1135.74	1736728.80	386308.37	39°33'24.7891"N	80°26'1.4899"W	11262.20	174.212	0.27	-0.26	-0.03
19795.00	90.500	154.640	7947.45	11298.20	-11290.59	1176.51	1736769.57	386222.57	39°33'23.9452"N	80°26'0.9579"W	11351.73	174.051	0.15	0.09	0.12
19890.00	90.380	154.530	7946.72	11390.41	-11376.40	1217.28	1736810.34	386136.76	39°33'23.1014"N	80°26'0.4260"W	11441.34	173.893	0.17	-0.13	-0.12
19985.00	90.350	154.650	7946.11	11482.63	-11462.21	1258.04	1736851.11	386050.96	39°33'22.2575"N	80°25'59.8942"W	11531.04	173.737	0.13	-0.03	0.13
20080.00	90.530	154.440	7945.38	11574.83	-11547.98	1298.87	1736891.94	385965.18	39°33'21.4140"N	80°25'59.3616"W	11620.80	173.583	0.29	0.19	-0.22
20175.00	90.380	154.400	7944.63	11666.98	-11633.67	1339.89	1736932.95	385879.50	39°33'20.5713"N	80°25'58.8266"W	11710.57	173.430	0.16	-0.16	-0.04
20270.00	90.560	154.540	7943.85	11759.15	-11719.39	1380.83	1736973.90	385793.78	39°33'19.7283"N	80°25'58.2925"W	11800.46	173.280	0.24	0.19	0.15
20365.00	90.290	154.640	7943.15	11851.36	-11805.20	1421.59	1737014.66	385707.97	39°33'18.8844"N	80°25'57.7607"W	11890.48	173.133	0.30	-0.28	0.11

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Actual Wellpath Report

Radcliff 4H Proj: 24498'
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REFERENCE WELLPATH IDENTIFICATION					
Operator	EQT PRODUCTION COMPANY			Well	Radcliff 4H
Field	Marion			API/Legal	
Facility	Radcliff Pad			Wellbore	Radcliff 4H
Slot	Slot 04				

WELLPATH DATA (269 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]
20460.00	90.320	154.400	7942.64	11943.56	-11890.95	1462.46	1737055.53	385622.21	39°33'18.041"N	80°25'57.2276"W	11980.55	172.988	0.25	0.03	-0.25
20555.00	90.350	154.630	7942.09	12035.74	-11976.71	1503.33	1737096.40	385536.46	39°33'17.1977"N	80°25'56.6944"W	12070.69	172.846	0.24	0.03	0.24
20651.00	90.690	154.710	7941.21	12128.96	-12063.48	1544.40	1737137.47	385449.69	39°33'16.3444"N	80°25'56.1585"W	12161.93	172.704	0.36	0.35	0.08
20746.00	90.070	154.720	7940.58	12221.23	-12149.37	1584.98	1737178.05	385363.79	39°33'15.4996"N	80°25'55.6291"W	12252.32	172.567	0.65	-0.65	0.01
20841.00	90.070	154.820	7940.47	12313.52	-12235.31	1625.47	1737218.54	385277.86	39°33'14.6544"N	80°25'55.1008"W	12342.81	172.433	0.11	0.00	0.11
20936.00	90.130	154.810	7940.30	12405.83	-12321.28	1665.90	1737258.97	385191.89	39°33'13.8089"N	80°25'54.5733"W	12433.39	172.300	0.06	0.06	-0.01
21031.00	90.190	154.630	7940.04	12498.10	-12407.18	1706.47	1737299.54	385105.99	39°33'12.9641"N	80°25'54.0440"W	12523.98	172.169	0.20	0.06	-0.19
21126.00	90.010	153.690	7939.87	12590.15	-12492.68	1747.88	1737340.94	385020.49	39°33'12.1233"N	80°25'53.5040"W	12614.36	172.035	1.01	-0.19	-0.99
21221.00	90.100	154.620	7939.78	12682.19	-12578.18	1789.29	1737382.36	384934.99	39°33'11.2825"N	80°25'52.9640"W	12704.81	171.904	0.98	0.09	0.98
21316.00	90.530	154.160	7939.26	12774.33	-12663.84	1830.35	1737423.42	384849.32	39°33'10.4401"N	80°25'52.4284"W	12795.43	171.776	0.66	0.45	-0.48
21411.00	90.440	154.090	7938.45	12866.36	-12749.31	1871.81	1737464.88	384763.85	39°33'9.5996"N	80°25'51.8879"W	12885.99	171.648	0.12	-0.09	-0.07
21506.00	90.560	154.370	7937.62	12958.43	-12834.86	1913.11	1737506.18	384678.30	39°33'8.7583"N	80°25'51.3493"W	12976.66	171.522	0.32	0.13	0.29
21601.00	90.560	154.540	7936.70	13050.59	-12920.57	1954.07	1737547.14	384592.59	39°33'7.9154"N	80°25'50.8150"W	13067.50	171.400	0.18	0.00	0.18
21696.00	90.290	154.210	7935.99	13142.72	-13006.23	1995.16	1737588.22	384506.94	39°33'7.0731"N	80°25'50.2792"W	13158.37	171.279	0.45	-0.28	-0.35
21791.00	90.220	155.040	7935.57	13234.95	-13092.06	2035.87	1737628.93	384421.11	39°33'6.8803"N	80°25'49.7481"W	13249.41	171.161	0.88	-0.07	0.87
21886.00	90.190	155.460	7935.23	13327.43	-13178.33	2075.64	1737668.71	384334.83	39°33'5.3803"N	80°25'49.2289"W	13340.79	171.049	0.44	-0.03	0.44
21981.00	90.380	155.400	7934.76	13419.97	-13264.73	2115.14	1737708.21	384248.44	39°33'4.5305"N	80°25'48.7132"W	13432.31	170.940	0.21	0.20	-0.06
22076.00	90.250	155.550	7934.23	13512.53	-13351.16	2154.57	1737747.64	384162.01	39°33'3.6803"N	80°25'48.1984"W	13523.89	170.833	0.21	-0.14	0.16
22171.00	90.360	155.410	7933.74	13605.10	-13437.59	2194.00	1737787.07	384075.58	39°33'2.8301"N	80°25'47.6837"W	13615.52	170.727	0.18	0.11	-0.15
22266.00	90.190	155.470	7933.29	13697.64	-13523.99	2233.49	1737826.55	383989.17	39°33'1.9802"N	80°25'47.1682"W	13707.18	170.622	0.18	-0.17	0.06
22361.00	90.160	155.220	7933.00	13790.16	-13610.33	2273.12	1737866.18	383902.84	39°33'1.1309"N	80°25'46.6509"W	13798.65	170.518	0.27	-0.03	-0.26
22456.00	90.530	155.570	7932.43	13882.68	-13696.70	2312.67	1737905.73	383816.46	39°33'0.2814"N	80°25'46.1345"W	13890.58	170.416	0.54	0.39	0.37
22550.00	90.620	155.490	7931.48	13974.29	-13782.26	2351.60	1737944.67	383730.91	39°32'59.4398"N	80°25'45.6262"W	13981.44	170.317	0.13	0.10	-0.09
22645.00	90.590	155.290	7930.48	14066.81	-13868.62	2391.16	1737984.23	383644.55	39°32'58.5903"N	80°25'45.1098"W	14073.25	170.218	0.21	-0.03	-0.21
22740.00	90.590	155.380	7929.50	14159.32	-13954.95	2430.81	1738023.87	383558.22	39°32'57.7411"N	80°25'44.5923"W	14165.08	170.119	0.09	0.00	0.09
22835.00	90.590	155.740	7928.52	14251.90	-14041.43	2470.11	1738063.17	383471.74	39°32'56.8904"N	80°25'44.0791"W	14257.04	170.023	0.38	0.00	0.38
22930.00	90.650	155.340	7927.50	14344.48	-14127.90	2509.44	1738102.51	383385.27	39°32'56.0398"N	80°25'43.5656"W	14349.04	169.928	0.43	0.06	-0.42
23025.00	90.680	155.630	7926.39	14437.04	-14214.33	2548.86	1738141.92	383298.84	39°32'55.1896"N	80°25'43.0510"W	14441.05	169.834	0.31	0.03	0.31
23120.00	90.620	155.250	7925.32	14529.59	-14300.73	2588.34	1738181.41	383212.44	39°32'54.3397"N	80°25'42.5356"W	14533.08	169.741	0.40	-0.06	-0.40
23214.00	89.850	155.300	7924.93	14621.10	-14386.11	2627.66	1738220.72	383127.06	39°32'53.4999"N	80°25'42.0224"W	14624.12	169.649	0.82	-0.82	0.05
23309.00	89.940	155.130	7925.10	14713.56	-14472.36	2667.48	1738260.55	383040.81	39°32'52.6515"N	80°25'41.5027"W	14716.14	169.557	0.20	0.09	-0.18
23404.00	89.970	155.470	7925.18	14806.06	-14558.67	2707.18	1738300.24	382954.50	39°32'51.8026"N	80°25'40.9845"W	14808.23	169.466	0.36	0.03	0.36
23500.00	90.040	155.210	7925.17	14899.54	-14645.91	2747.23	1738340.30	382867.26	39°32'50.9444"N	80°25'40.4617"W	14901.34	169.376	0.28	0.07	-0.27
23594.00	90.040	155.380	7925.10	14991.06	-14731.31	2786.52	1738379.59	382781.86	39°32'50.1044"N	80°25'39.9489"W	14992.54	169.289	0.18	0.00	0.18
23689.00	90.040	155.590	7925.04	15083.63	-14817.75	2825.94	1738419.00	382695.42	39°32'49.2542"N	80°25'39.4343"W	15084.81	169.203	0.22	0.00	0.22
23784.00	89.970	155.580	7925.03	15176.23	-14904.25	2865.21	1738458.27	382608.92	39°32'48.4032"N	80°25'38.9217"W	15177.16	169.118	0.07	-0.07	-0.01
23879.00	89.880	155.440	7925.15	15268.80	-14990.70	2904.59	1738497.65	382522.47	39°32'47.5528"N	80°25'38.4076"W	15269.51	169.034	0.18	-0.09	-0.15
23974.00	90.010	155.520	7925.25	15361.37	-15077.14	2944.01	1738537.08	382436.03	39°32'46.7026"N	80°25'37.8929"W	15361.88	168.951	0.16	0.14	0.08
24069.00	89.940	155.550	7925.29	15453.95	-15163.61	2983.36	1738576.42	382349.56	39°32'45.8520"N	80°25'37.3793"W	15454.30	168.870	0.08	-0.07	0.03
24164.00	89.880	155.590	7925.44	15546.55	-15250.10	3022.65	1738615.71	382263.07	39°32'45.0011"N	80°25'36.8663"W	15546.77	168.789	0.08	-0.06	0.04
24259.00	90.220	155.540	7925.35	15639.14	-15338.59	3061.94	1738655.01	382176.58	39°32'44.1503"N	80°25'36.3533"W	15639.26	168.709	0.36	0.36	-0.05
24354.00	90.190	155.620	7925.01	15731.74	-15423.09	3101.22	1738694.28	382090.08	39°32'43.2994"N	80°25'35.8406"W	15731.79	168.631	0.09	-0.03	0.08
24449.00	90.190	155.520	7924.70	15824.34	-15509.59	3140.51	1738733.57	382003.59	39°32'42.4486"N	80°25'35.3276"W	15824.35	168.553	0.11	0.00	-0.11
24498.00	90.190	155.520	7924.54	15872.09	-15554.18	3180.81	1738753.88	381958.99	39°32'42.0099"N	80°25'35.0626"W	15872.09	168.513	0.00	0.00	0.00

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Actual Wellpath Report

Radcliff 4H Proj: 24498'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 4H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 4H
Slot	Slot 04		

HOLE & CASING SECTIONS - Ref Wellbore: Radcliff 4H Ref Wellpath: Radcliff 4H Proj: 24498'

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	1385.00	1357.00	28.00	1384.99	0.00	0.00	-1.90	-2.77
9.625in Casing Intermediate	28.00	2769.00	2741.00	28.00	2768.97	0.00	0.00	-6.01	-2.55
8.75in Open Hole	2769.00	7701.00	4932.00	2768.97	6745.88	-6.01	-2.55	-1167.61	-2419.92

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Radcliff 4H T1	7908.00	-2021.38	-3142.09	1732450.99	395491.77	39°34'55.1082"N	80°26'57.3446"W	point
Radcliff 4H T2	7908.00	-15553.89	3168.82	1738761.88	381959.28	39°32'42.0135"N	80°25'34.9604"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radcliff 4H Ref Wellpath: Radcliff 4H Proj: 24498'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2711.00	BH Generic gyro - continuous (Standard)	01 Gyro	Radcliff 4H	2/22/2024
2711.00	7623.00	OWSG MWD rev2 - Standard	02 SDI MWD	Radcliff 4H	2/22/2024
7623.00	24498.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7734-24449)	Radcliff 4H	3/28/2024

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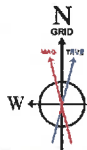
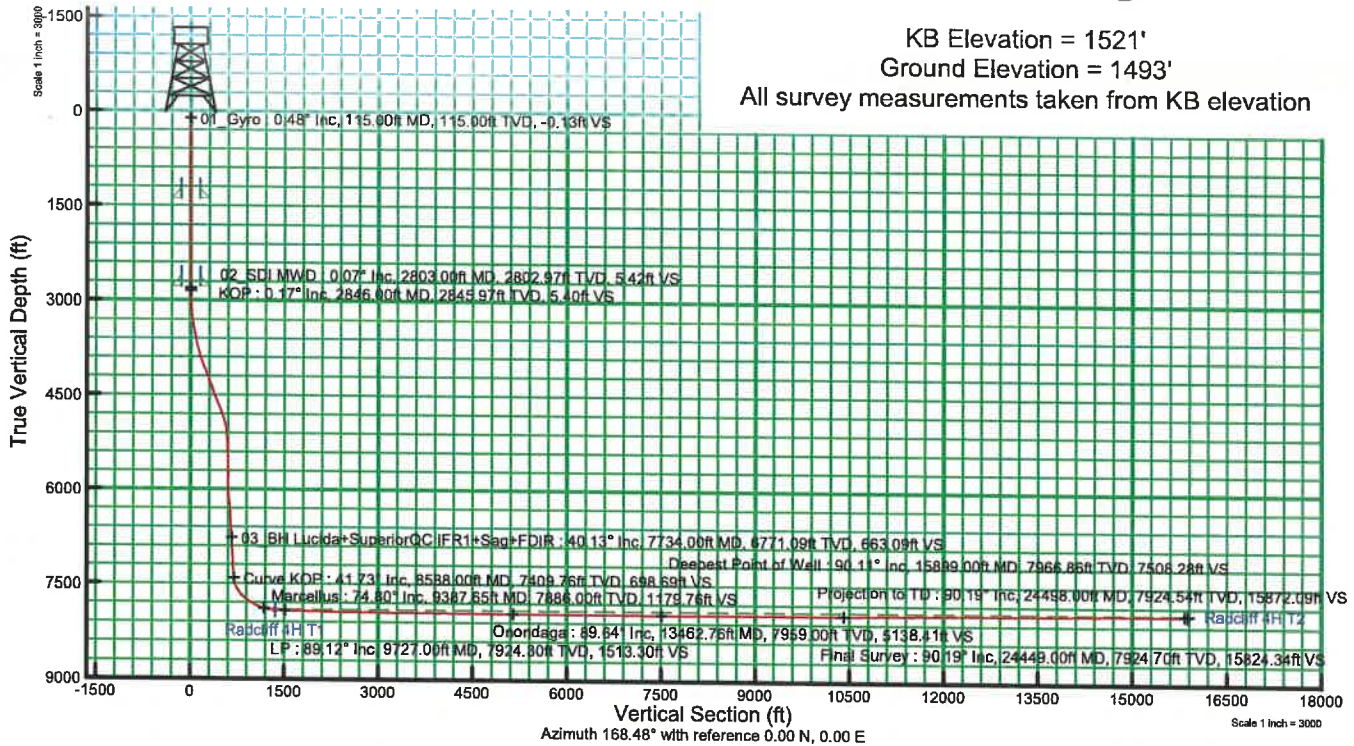
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EQT PRODUCTION COMPANY

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

Slot: Slot 04
Well: Radcliff 4H
Wellbore: Radcliff 4H



User specified Dip: 88.31° Field: 51454.2 nT
Magnetic North is 8.75 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 8.15 degrees

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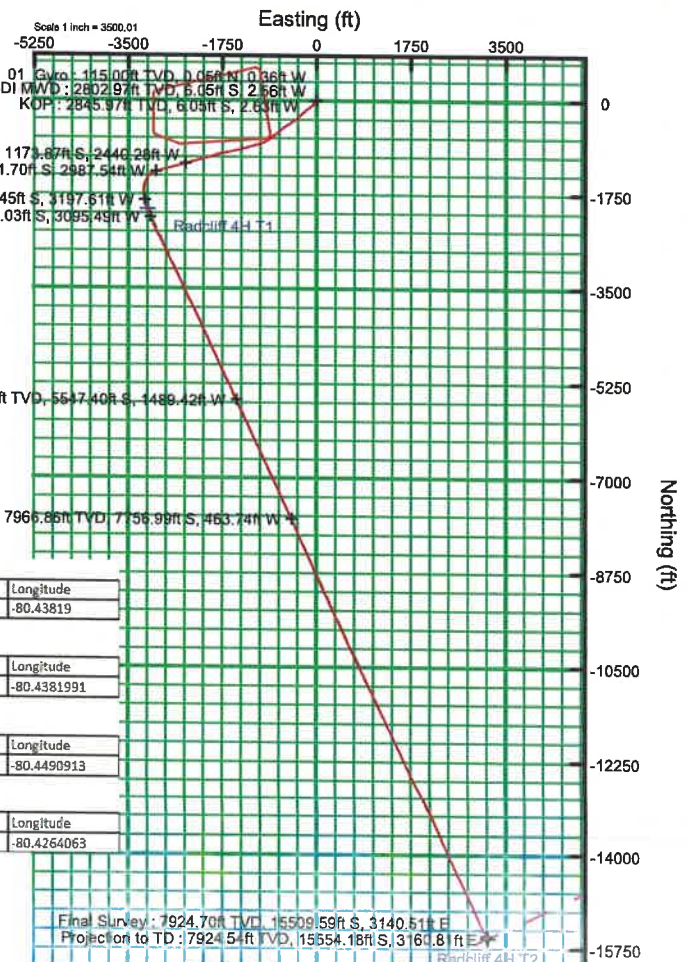
Surface Location

Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
1735593.07	397513.14	39.5876145	-80.43819

KOP	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
	2846	0.17	297.8	2845.97	-6.05	-2.63	1735590.44	397507.09	39.5875978	-80.4381991

Landing Point	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
	9727	89.12	156.31	7924.3	-2175.03	-3095.49	1732497.58	395338.11	39.581554	-80.4490913

Bottom Hole Location	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
	24498	90.19	155.52	7924.54	-15554.18	3160.81	1738753.88	381958.99	39.5450027	-80.4264063



09/19/2025