



Actual Wellpath Report

Radcliff 16H Proj: 19072'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

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	4/22/2024 at 4:18:28 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	-68.68	-19.64	1735574.63	397601.23	39°35'16.2809"N	80°26'17.7313"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 16)	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	143.16°

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Baker Hughes

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Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
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Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

WELLPATH DATA (224 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	291.970	0.00	0.00	0.00	0.00	1735574.63	397601.23	39°35'16.2809"N	80°26'17.7313"W	0.00	0.000	0.00	0.00	0.00
28.00	0.00	291.970	28.00	0.00	0.00	0.00	1735574.63	397601.23	39°35'16.2809"N	80°26'17.7313"W	0.00	0.000	0.00	0.00	0.00
115.00	0.140	291.970	115.00	-0.09	0.04	-0.10	1735574.53	397601.27	39°35'16.2813"N	80°26'17.7326"W	0.11	291.970	0.16	0.16	0.00
215.00	0.130	264.420	215.00	-0.25	0.07	-0.32	1735574.31	397601.30	39°35'16.2816"N	80°26'17.7355"W	0.33	282.910	0.07	-0.01	-27.55
315.00	0.170	287.270	315.00	-0.43	0.11	-0.58	1735574.05	397601.34	39°35'16.2819"N	80°26'17.7387"W	0.59	280.507	0.07	0.04	22.85
415.00	0.120	324.710	415.00	-0.66	0.24	-0.78	1735573.85	397601.47	39°35'16.2832"N	80°26'17.7413"W	0.82	286.868	0.10	-0.05	37.44
515.00	0.180	282.520	515.00	-0.88	0.36	-1.00	1735573.63	397601.59	39°35'16.2844"N	80°26'17.7441"W	1.06	289.706	0.12	0.06	-42.19
615.00	0.140	329.710	615.00	-1.12	0.50	-1.21	1735573.42	397601.73	39°35'16.2857"N	80°26'17.7468"W	1.31	292.286	0.13	-0.04	47.19
715.00	0.040	359.330	715.00	-1.27	0.64	-1.27	1735573.36	397601.87	39°35'16.2871"N	80°26'17.7477"W	1.42	296.575	0.11	-0.10	29.62
815.00	0.010	323.820	815.00	-1.31	0.68	-1.28	1735573.35	397601.91	39°35'16.2876"N	80°26'17.7477"W	1.45	297.962	0.03	-0.03	-35.51
915.00	0.100	197.930	915.00	-1.27	0.60	-1.31	1735573.32	397601.83	39°35'16.2868"N	80°26'17.7481"W	1.44	294.697	0.11	0.09	-125.89
1015.00	0.050	237.690	1015.00	-1.22	0.50	-1.37	1735573.26	397601.73	39°35'16.2857"N	80°26'17.7489"W	1.46	289.856	0.07	-0.05	39.76
1115.00	0.110	332.900	1115.00	-1.32	0.56	-1.45	1735573.18	397601.79	39°35'16.2863"N	80°26'17.7500"W	1.56	290.998	0.12	0.06	95.21
1215.00	0.140	197.000	1215.00	-1.34	0.53	-1.53	1735573.10	397601.76	39°35'16.2860"N	80°26'17.7510"W	1.62	288.957	0.23	0.03	-135.90
1253.00	0.060	209.680	1253.00	-1.31	0.47	-1.56	1735573.07	397601.70	39°35'16.2854"N	80°26'17.7513"W	1.63	286.631	0.22	-0.21	33.37
1415.00	0.540	146.060	1415.00	-0.51	-0.24	-1.17	1735573.46	397600.99	39°35'16.2784"N	80°26'17.7463"W	1.20	258.347	0.32	0.30	-39.27
1459.00	0.170	234.750	1458.99	-0.30	-0.45	-1.11	1735573.52	397600.78	39°35'16.2764"N	80°26'17.7454"W	1.20	247.870	1.28	-0.84	201.57
1502.00	0.170	84.430	1501.99	-0.27	-0.48	-1.10	1735573.53	397600.75	39°35'16.2761"N	80°26'17.7453"W	1.20	246.311	0.76	0.00	-349.58
1545.00	1.700	97.340	1544.99	0.20	-0.56	-0.40	1735574.23	397600.67	39°35'16.2754"N	80°26'17.7364"W	0.69	215.858	3.57	-3.56	30.02
1588.00	1.110	79.160	1587.97	0.83	-0.56	0.84	1735575.27	397600.67	39°35'16.2755"N	80°26'17.7231"W	0.85	131.277	1.70	-1.37	-42.28
1632.00	2.020	103.760	1631.96	1.62	-0.66	1.81	1735575.44	397600.57	39°35'16.2746"N	80°26'17.7081"W	1.93	110.167	2.53	2.07	55.91
1675.00	2.540	83.490	1674.92	2.68	-0.74	3.49	1735578.12	397600.49	39°35'16.2740"N	80°26'17.6866"W	3.57	101.916	2.21	1.21	-47.14
1718.00	2.100	77.230	1717.89	3.49	-0.46	5.21	1735579.84	397600.77	39°35'16.2770"N	80°26'17.6647"W	5.23	94.993	1.18	-1.02	-14.56
1762.00	2.110	84.460	1761.86	4.24	-0.20	6.80	1735581.43	397601.03	39°35'16.2797"N	80°26'17.6444"W	6.80	91.673	0.60	0.02	16.43
1805.00	3.100	88.130	1804.81	5.31	-0.08	8.75	1735583.38	397601.15	39°35'16.2810"N	80°26'17.6195"W	8.75	90.552	2.33	2.30	8.53
1847.00	3.190	93.710	1846.75	6.73	-0.12	11.05	1735585.68	397601.11	39°35'16.2809"N	80°26'17.5901"W	11.05	90.637	0.76	0.21	13.29
1890.00	2.750	89.320	1889.89	8.11	-0.19	13.28	1735587.91	397601.04	39°35'16.2805"N	80°26'17.5617"W	13.28	90.811	1.15	-1.02	-10.21
1975.00	2.980	95.370	1974.59	10.80	-0.37	17.52	1735592.15	397600.86	39°35'16.2791"N	80°26'17.5075"W	17.52	91.212	0.45	0.27	7.12
2062.00	2.620	90.870	2061.48	13.54	-0.61	21.76	1735596.39	397600.62	39°35'16.2771"N	80°26'17.4534"W	21.76	91.612	0.48	-0.41	-5.17
2147.00	1.600	87.200	2146.43	15.39	-0.58	24.88	1735599.51	397600.65	39°35'16.2777"N	80°26'17.4134"W	24.89	91.344	1.21	-1.20	-4.32
2233.00	1.890	110.680	2232.39	17.26	-1.03	27.41	1735602.04	397600.20	39°35'16.2736"N	80°26'17.3811"W	27.43	92.144	0.89	0.34	27.30
2320.00	1.420	97.110	2319.35	19.22	-1.67	29.82	1735604.45	397599.56	39°35'16.2675"N	80°26'17.3502"W	29.87	93.198	0.70	-0.54	-15.60
2406.00	0.960	40.700	2405.33	19.80	-1.25	31.35	1735605.98	397599.98	39°35'16.2718"N	80°26'17.3307"W	31.37	92.287	1.39	-0.53	-65.59
2493.00	1.430	28.890	2492.31	19.20	0.25	32.35	1735606.98	397601.48	39°35'16.2868"N	80°26'17.3182"W	32.35	89.555	0.61	0.54	-13.57
2579.00	1.990	34.090	2578.28	18.27	2.43	33.70	1735608.33	397603.66	39°35'16.3084"N	80°26'17.3011"W	33.79	85.881	0.68	0.65	6.05
2665.00	2.810	39.500	2664.20	17.28	5.29	35.88	1735610.51	397605.52	39°35'16.3369"N	80°26'17.2737"W	36.27	81.613	0.99	0.95	8.29
2709.00	3.590	52.160	2708.13	17.00	6.97	37.66	1735612.29	397608.20	39°35'16.3537"N	80°26'17.2513"W	38.30	79.517	2.38	1.77	28.77
2811.00	4.540	47.300	2809.87	16.54	11.66	43.14	1735617.77	397612.89	39°35'16.4007"N	80°26'17.1818"W	44.69	74.871	0.99	0.93	-4.76
2854.00	4.620	46.810	2852.74	16.17	14.00	45.66	1735620.29	397615.23	39°35'16.4241"N	80°26'17.1500"W	47.76	72.948	0.21	0.19	-1.14
2897.00	4.690	57.810	2895.60	16.12	16.13	48.41	1735623.04	397617.36	39°35'16.4453"N	80°26'17.1152"W	51.02	71.576	2.08	0.18	25.58
2940.00	5.530	74.650	2938.43	17.03	17.61	51.89	1735626.52	397618.84	39°35'16.4603"N	80°26'17.0708"W	54.80	71.255	3.98	1.95	39.16
2984.00	6.300	77.330	2982.19	18.79	18.70	56.29	1735630.92	397619.93	39°35'16.4716"N	80°26'17.0148"W	59.32	71.623	1.86	1.75	6.08
3028.00	6.020	68.420	3025.94	20.39	20.08	60.80	1735635.43	397621.31	39°35'16.4857"N	80°26'16.9575"W	64.03	71.722	2.26	-0.64	-20.25
3072.00	6.950	49.270	3069.66	20.81	22.67	64.96	1735639.59	397623.90	39°35'16.5117"N	80°26'16.9046"W	68.80	70.765	5.32	2.11	-43.52
3115.00	8.440	40.360	3112.28	19.94	26.77	68.97	1735643.60	397628.00	39°35'16.5526"N	80°26'16.8539"W	73.99	68.789	4.43	3.47	-20.72

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Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

WELLPATH DATA (224 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]
3158.00	9.030	34.570	3154.78	18.16	31.95	72.93	1735647.56	397633.18	39°35'16.6043"N	80°26'16.8040"W	79.62	66.342	2.46	1.37	-13.47
3201.00	8.120	33.830	3197.30	16.08	37.25	76.54	1735651.17	397638.48	39°35'16.6570"N	80°26'16.7587"W	85.12	64.047	2.13	-2.12	-1.72
3244.00	8.060	32.570	3239.87	14.02	42.32	79.85	1735654.48	397643.55	39°35'16.7074"N	80°26'16.7170"W	90.37	62.079	0.44	-0.14	-2.93
3288.00	8.330	38.210	3283.42	12.11	47.42	83.48	1735658.11	397648.65	39°35'16.7582"N	80°26'16.6713"W	96.01	60.403	1.93	0.61	-12.82
3331.00	9.180	44.270	3325.92	10.78	52.32	87.80	1735662.43	397653.55	39°35'16.8071"N	80°26'16.6168"W	102.21	59.209	2.91	1.98	14.09
3374.00	10.460	47.150	3368.29	9.84	57.43	93.06	1735667.69	397658.66	39°35'16.8582"N	80°26'16.5503"W	109.36	58.318	3.19	2.98	6.70
3417.00	11.920	48.210	3410.47	9.05	63.05	99.23	1735673.86	397664.28	39°35'16.9143"N	80°26'16.4722"W	117.67	57.570	3.43	3.40	2.47
3461.00	12.910	49.470	3453.44	8.34	69.27	106.36	1735680.99	397670.50	39°35'16.9765"N	80°26'16.3821"W	126.93	56.924	2.33	2.25	2.86
3504.00	13.750	51.070	3495.28	7.85	75.60	113.98	1735688.61	397676.83	39°35'17.0399"N	80°26'16.2855"W	136.78	56.444	2.13	1.95	3.72
3547.00	14.820	52.320	3536.95	7.58	82.18	122.31	1735696.94	397683.41	39°35'17.1057"N	80°26'16.1800"W	147.35	56.104	2.59	2.49	2.91
3590.00	15.170	53.640	3578.49	7.55	88.87	131.20	1735705.83	397690.10	39°35'17.1728"N	80°26'16.0674"W	158.46	55.886	1.14	0.81	3.07
3634.00	15.310	56.730	3620.94	7.96	95.47	140.69	1735715.32	397696.70	39°35'17.2391"N	80°26'15.9470"W	170.03	55.838	1.87	0.32	7.02
3721.00	17.040	61.000	3704.50	10.42	107.96	161.44	1735736.07	397709.19	39°35'17.3646"N	80°26'15.6836"W	194.21	56.230	2.41	1.99	4.91
3807.00	19.410	63.720	3786.18	14.76	120.39	185.28	1735759.91	397721.62	39°35'17.4899"N	80°26'15.3808"W	220.96	56.984	2.93	2.76	3.16
3894.00	22.400	63.790	3867.44	20.47	134.12	213.12	1735787.75	397735.35	39°35'17.6285"N	80°26'15.0270"W	251.81	57.817	3.44	3.44	0.08
3980.00	24.610	65.210	3946.30	27.23	148.87	244.08	1735818.71	397750.10	39°35'17.7774"N	80°26'14.6335"W	285.90	58.621	2.65	2.57	1.65
4067.00	25.510	66.550	4025.11	35.36	163.92	277.72	1735852.35	397765.15	39°35'17.9296"N	80°26'14.2059"W	322.48	59.450	1.22	1.03	1.54
4153.00	25.600	66.880	4102.70	44.05	178.58	311.79	1735886.42	397779.81	39°35'18.0781"N	80°26'13.7726"W	359.31	60.198	0.20	0.10	0.38
4240.00	25.850	68.000	4181.08	53.37	193.07	346.67	1735921.30	397794.30	39°35'18.2248"N	80°26'13.3291"W	396.80	60.885	0.63	0.29	1.29
4326.00	26.860	68.090	4258.14	63.18	207.34	382.07	1735956.70	397808.57	39°35'18.3696"N	80°26'12.8787"W	434.71	61.513	1.18	1.17	0.10
4413.00	26.910	65.670	4335.74	72.51	222.79	418.25	1735992.88	397824.02	39°35'18.5259"N	80°26'12.4187"W	473.88	61.957	1.26	0.06	-2.78
4499.00	27.150	65.840	4412.34	81.04	238.84	453.89	1736028.51	397840.07	39°35'18.6882"N	80°26'11.9657"W	512.89	62.247	0.29	0.28	0.20
4586.00	26.590	66.070	4489.95	89.75	254.86	489.79	1736064.42	397856.09	39°35'18.8503"N	80°26'11.5092"W	552.13	62.510	0.65	-0.84	0.26
4672.00	25.350	64.070	4567.27	97.54	270.72	523.95	1736098.57	397871.95	39°35'19.0105"N	80°26'11.0751"W	589.75	62.675	1.77	-1.44	-2.33
4758.00	24.610	64.440	4645.22	104.53	286.49	556.66	1736131.29	397887.72	39°35'19.1698"N	80°26'10.6593"W	626.06	62.767	0.88	-0.86	0.43
4845.00	24.490	65.660	4724.36	111.98	301.74	589.43	1736164.06	397902.97	39°35'19.3239"N	80°26'10.2428"W	662.17	62.891	0.60	-0.14	1.40
4931.00	23.560	64.760	4802.90	119.30	316.42	621.22	1736195.85	397917.65	39°35'19.4722"N	80°26'9.8387"W	697.16	63.008	1.16	-1.08	-1.05
5008.00	22.700	62.060	4873.72	124.69	329.94	648.26	1736222.89	397931.17	39°35'19.6087"N	80°26'9.4950"W	727.40	63.026	1.77	-1.12	-3.51
5094.00	25.480	61.720	4952.22	130.02	346.48	679.22	1736253.85	397947.71	39°35'19.7753"N	80°26'9.1018"W	762.49	62.973	3.24	3.23	-0.40
5181.00	26.400	61.980	5030.45	135.77	364.44	712.78	1736287.40	397965.67	39°35'19.9562"N	80°26'8.6756"W	800.54	62.920	1.07	1.06	0.30
5267.00	26.430	63.840	5107.48	142.25	381.86	746.83	1736321.46	397983.09	39°35'20.1319"N	80°26'8.2429"W	838.79	62.919	0.96	0.03	2.16
5354.00	26.490	65.280	5185.36	149.92	398.51	781.84	1736356.47	397999.74	39°35'20.3001"N	80°26'7.7980"W	877.54	62.992	0.74	0.07	1.66
5440.00	26.220	65.360	5262.42	157.96	414.45	816.53	1736391.16	398015.68	39°35'20.4612"N	80°26'7.3570"W	915.69	63.089	0.32	-0.31	0.09
5526.00	26.620	64.800	5339.44	165.87	430.57	851.23	1736425.86	398031.80	39°35'20.6241"N	80°26'6.9159"W	953.93	63.169	0.55	0.47	-0.65
5612.00	27.620	64.800	5415.99	173.78	447.26	886.70	1736461.33	398048.49	39°35'20.7927"N	80°26'6.4650"W	993.12	63.233	1.16	1.16	0.00
5699.00	27.160	64.400	5493.23	181.72	464.43	922.86	1736497.48	398065.66	39°35'20.9661"N	80°26'6.0055"W	1033.13	63.286	0.57	-0.53	-0.46
5785.00	26.590	65.770	5569.94	189.75	480.81	958.11	1736532.74	398082.04	39°35'21.1316"N	80°26'5.5574"W	1071.99	63.351	0.98	-0.66	1.59
5872.00	26.730	67.590	5647.70	198.68	496.26	993.95	1736568.58	398097.49	39°35'21.2880"N	80°26'5.1016"W	1110.95	63.468	0.95	0.16	2.09
5958.00	27.220	67.810	5724.34	208.68	511.06	1030.05	1736604.67	398112.29	39°35'21.4380"N	80°26'4.6425"W	1149.86	63.611	0.58	0.57	0.26
6044.00	28.750	66.510	5800.28	218.44	526.74	1067.23	1736641.86	398127.97	39°35'21.5968"N	80°26'4.1697"W	1190.14	63.731	1.92	1.78	-1.51
6131.00	29.270	67.610	5876.37	228.58	543.18	1106.08	1736680.71	398144.41	39°35'21.7632"N	80°26'3.6756"W	1232.26	63.845	0.86	0.60	1.26
6217.00	28.280	67.420	5951.75	238.85	559.01	1144.34	1736718.96	398160.24	39°35'21.9236"N	80°26'3.1891"W	1273.58	63.964	1.16	-1.15	-0.22
6304.00	27.570	66.750	6028.62	248.68	574.87	1181.86	1736756.49	398176.10	39°35'22.0842"N	80°26'2.7118"W	1314.26	64.061	0.89	-0.82	-0.77
6390.00	27.090	66.980	6105.02	258.01	590.38	1218.17	1736792.80	398191.61	39°35'22.2413"N	80°26'2.2501"W	1353.70	64.143	0.57	-0.56	0.27
6477.00	28.050	67.050	6182.14	267.68	606.11	1255.24	1736829.87	398207.34	39°35'22.4005"N	80°26'1.7787"W	1393.91	64.226	1.10	1.10	0.08

FEB 24 2025

In compliance with
Environmental Protection

04/11/2025



Actual Wellpath Report
Radcliff 16H Proj: 19072'
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Baker Hughes

REFERENCE WELL PATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

WELLPATH DATA (224 stations)

MD	Inclination	Azimuth	TVD	Vert. Sec	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[1/100ft]	[1/100ft]	[1/100ft]
6563.00	27.260	65.160	6258.31	276.61	622.27	1291.74	1736866.36	398223.49	39°35'22.5640"N	80°26'1.3147"W	1433.80	64.279	1.37	-0.92	-2.20
6649.00	26.670	63.410	6334.98	284.14	639.18	1326.87	1736901.50	398240.41	39°35'22.7347"N	80°26'0.8682"W	1472.80	64.279	1.15	-0.69	-2.03
6736.00	26.930	62.290	6412.62	290.75	657.08	1361.77	1736936.40	398258.31	39°35'22.9152"N	80°26'0.4248"W	1512.01	64.242	0.65	0.30	-1.29
6813.00	26.500	62.990	6481.40	296.45	672.99	1392.51	1736967.14	398274.22	39°35'23.0756"N	80°26'0.0342"W	1546.61	64.206	0.69	-0.56	0.91
6898.00	25.730	64.160	6557.72	303.21	689.64	1426.01	1737000.64	398290.87	39°35'23.2437"N	80°25'59.6085"W	1584.02	64.191	1.09	-0.91	1.38
6984.00	25.640	63.470	6635.22	310.11	706.09	1459.46	1737034.09	398307.32	39°35'23.4079"N	80°25'59.1834"W	1621.29	64.182	0.36	-0.10	-0.83
7071.00	25.961	64.550	6713.55	317.24	722.68	1493.50	1737068.12	398323.91	39°35'23.5771"N	80°25'58.7509"W	1659.16	64.178	0.65	0.37	1.24
7157.00	26.410	66.490	6790.73	325.37	738.40	1528.03	1737102.66	398339.63	39°35'23.7360"N	80°25'58.3118"W	1697.09	64.209	1.12	0.52	2.26
7244.00	26.630	66.650	6868.57	334.38	753.85	1563.68	1737138.30	398355.07	39°35'23.8923"N	80°25'57.8586"W	1735.91	64.261	0.27	0.25	0.18
7330.00	27.420	65.850	6945.18	343.23	769.59	1599.44	1737174.07	398370.82	39°35'24.0516"N	80°25'57.4038"W	1774.96	64.305	1.01	0.92	-0.93
7416.00	28.530	66.470	7021.13	352.31	785.89	1636.34	1737210.97	398387.12	39°35'24.2165"N	80°25'56.9347"W	1815.28	64.346	1.33	1.29	0.72
7502.00	29.480	67.410	7096.35	362.25	802.22	1674.71	1737249.34	398403.44	39°35'24.3818"N	80°25'56.4467"W	1856.93	64.405	1.23	1.10	1.08
7589.00	28.860	65.760	7172.31	372.11	819.06	1713.62	1737288.25	398420.29	39°35'24.5522"N	80°25'55.9520"W	1899.30	64.454	1.17	-0.71	-1.90
7675.00	28.670	64.650	7247.70	380.75	836.41	1751.19	1737325.82	398437.64	39°35'24.7276"N	80°25'55.4744"W	1940.68	64.470	0.66	-0.22	-1.29
7719.00	28.480	64.310	7286.34	384.88	845.48	1770.18	1737344.81	398446.71	39°35'24.8192"N	80°25'55.2330"W	1961.73	64.470	0.57	-0.43	-0.77
7820.00	26.500	64.600	7375.93	394.01	865.59	1812.24	1737386.87	398466.82	39°35'25.0222"N	80°25'54.6984"W	2008.35	64.489	1.96	-1.96	0.29
7914.00	27.960	79.710	7459.61	408.04	878.54	1852.92	1737427.55	398479.76	39°35'25.1543"N	80°25'54.1805"W	2050.64	64.633	7.50	1.55	16.07
8009.00	32.170	95.920	7541.95	435.23	897.91	1900.09	1737474.71	398489.14	39°35'25.1727"N	80°25'53.5782"W	2093.94	65.152	9.59	4.43	17.06
8104.00	37.010	110.460	7620.27	476.56	867.28	1952.15	1737526.78	398468.50	39°35'25.0532"N	80°25'52.9115"W	2136.13	66.046	10.04	5.09	15.31
8199.00	41.120	120.400	7694.09	528.50	841.44	2005.96	1737580.99	398442.67	39°35'24.8034"N	80°25'52.2208"W	2175.29	67.243	7.88	4.33	10.46
8293.00	47.170	132.310	7761.63	592.02	802.49	2058.25	1737632.88	398403.72	39°35'24.4238"N	80°25'51.5477"W	2209.16	68.700	10.90	6.44	12.67
8388.00	54.970	137.990	7821.31	665.12	750.03	2110.15	1737684.77	398351.26	39°35'23.9107"N	80°25'50.8779"W	2239.48	70.433	9.43	8.21	5.98
8483.00	62.980	140.390	7870.24	746.27	688.43	2163.25	1737737.87	398289.65	39°35'23.3072"N	80°25'50.1914"W	2270.15	72.347	8.70	8.43	2.53
8578.00	70.420	144.160	7907.80	833.43	619.43	2216.52	1737791.15	398220.66	39°35'22.6308"N	80°25'48.5018"W	2301.45	74.386	8.64	7.83	3.97
8673.00	78.010	146.560	7933.62	924.70	544.26	2268.41	1737843.04	398145.49	39°35'21.8931"N	80°25'48.8291"W	2332.79	76.508	8.35	7.99	2.53
8768.00	83.930	151.820	7948.54	1017.93	463.72	2316.40	1737891.03	398064.95	39°35'21.1021"N	80°25'48.2055"W	2362.36	78.680	8.29	6.23	5.54
8863.00	86.560	154.240	7956.41	1111.18	379.36	2359.33	1737933.95	397980.59	39°35'20.2727"N	80°25'47.6460"W	2389.63	80.866	3.76	2.77	2.55
8958.00	86.840	155.450	7961.88	1204.05	293.51	2399.64	1737974.27	397894.74	39°35'19.4284"N	80°25'47.1197"W	2417.52	83.027	1.31	0.29	1.27
9053.00	88.930	155.960	7965.39	1296.72	206.99	2438.70	1738013.32	397808.22	39°35'18.5772"N	80°25'46.6094"W	2447.47	85.149	2.26	0.20	0.54
9148.00	89.330	155.330	7966.83	1389.46	120.45	2477.87	1738052.49	397721.68	39°35'17.7260"N	80°25'46.0976"W	2480.80	87.217	0.79	0.42	-0.66
9243.00	89.940	155.280	7967.44	1482.33	34.14	2517.56	1738092.18	397635.37	39°35'16.8770"N	80°25'45.5793"W	2517.79	89.223	0.64	0.64	-0.05
9338.00	89.910	155.110	7967.56	1575.24	-62.09	2557.41	1738132.01	397549.14	39°35'16.0288"N	80°25'45.0588"W	2557.94	91.167	0.18	-0.03	-0.18
9433.00	89.820	155.120	7967.78	1668.17	-138.27	2597.39	1738172.01	397462.96	39°35'15.1812"N	80°25'44.5368"W	2601.07	93.047	0.10	-0.09	0.01
9528.00	89.820	155.310	7968.08	1761.08	-224.52	2637.21	1738211.84	397376.71	39°35'14.3328"N	80°25'44.0168"W	2646.75	94.866	0.20	0.00	0.20
9624.00	90.130	155.340	7968.12	1854.92	-311.75	2677.29	1738251.92	397289.48	39°35'13.4748"N	80°25'43.4933"W	2695.38	96.642	0.32	0.32	0.03
9719.00	90.160	155.140	7967.88	1947.81	-388.02	2717.08	1738291.70	397203.21	39°35'12.6262"N	80°25'42.9738"W	2746.08	98.334	0.21	0.03	-0.21
9814.00	90.160	155.250	7967.62	2040.72	-484.25	2756.93	1738331.66	397116.98	39°35'11.7780"N	80°25'42.4533"W	2799.14	99.962	0.12	0.00	0.12
9910.00	90.190	155.100	7967.33	2134.62	-571.38	2797.24	1738371.86	397029.85	39°35'10.9210"N	80°25'41.9270"W	2855.00	101.545	0.16	0.03	-0.16
10005.00	90.310	155.780	7966.91	2227.44	-657.79	2836.73	1738411.35	396944.43	39°35'10.0711"N	80°25'41.4113"W	2911.99	103.055	0.73	0.13	0.72
10100.00	89.940	154.520	7966.70	2320.37	-743.99	2876.65	1738451.27	396857.24	39°35'9.2232"N	80°25'40.8900"W	2971.30	104.501	1.38	-0.39	-1.33
10195.00	89.660	152.640	7967.04	2413.79	-829.06	2918.92	1738493.54	396772.17	39°35'8.3867"N	80°25'40.3389"W	3034.37	105.856	2.00	-0.29	-1.96
10290.00	89.290	153.890	7967.91	2507.31	-913.90	2961.65	1738536.27	396687.33	39°35'7.5526"N	80°25'39.7819"W	3099.45	107.149	1.37	-0.39	-1.32
10384.00	89.790	155.290	7968.66	2599.44	-986.80	3001.98	1738576.61	396602.43	39°35'6.7176"N	80°25'39.2555"W	3163.78	108.403	1.58	0.53	1.49
10479.00	89.850	155.430	7968.98	2692.29	-1085.15	3041.59	1738616.11	396516.78	39°35'5.8683"N	80°25'38.7363"W	3229.37	109.635	0.16	0.06	0.15
10575.00	89.910	155.430	7969.16	2786.10	-1172.46	3081.51	1738656.13	396428.77	39°35'5.0094"N	80°25'38.2169"W	3297.02	110.831	0.06	0.05	0.00

5122890

$\eta = \alpha_0 + \alpha_1 C_{\text{CO}_2} + \alpha_2 C_{\text{H}_2\text{O}}$

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$\Delta_{\text{H}_2\text{O}}^{\text{H}_2\text{O}} = 0$
 $\Delta_{\text{H}_2\text{O}}^{\text{H}_2\text{O}} = 0$

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Actual Wellpath Report

Radcliff 16H Proj: 19072'
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Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

WELLPATH DATA (224 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]
10670.00	89.940	155.560	7969.28	2878.90	-1258.90	3120.91	1738695.53	396342.33	39°35'4.1591"N	80°25'37.7023"W	3365.25	111.968	0.14	0.03	0.14
10766.00	89.480	154.940	7969.77	2972.77	-1346.08	3161.10	1738735.72	396255.15	39°35'3.3016"N	80°25'37.1774"W	3435.77	113.066	0.80	-0.48	-0.65
10861.00	89.540	154.520	7970.58	3065.83	-1431.99	3201.65	1738776.28	396169.25	39°35'2.4567"N	80°25'36.6482"W	3507.30	114.097	0.45	0.06	-0.44
10956.00	89.790	155.460	7971.14	3158.81	-1518.08	3241.81	1738816.44	396083.16	39°35'1.6100"N	80°25'36.1239"W	3579.65	115.093	1.02	0.26	0.99
11051.00	89.790	155.480	7971.49	3251.63	-1604.50	3281.26	1738855.88	395996.73	39°35'0.7598"N	80°25'35.6087"W	3652.54	116.058	0.02	0.00	0.02
11145.00	89.690	153.630	7971.91	3343.77	-1689.38	3321.64	1738896.26	395911.85	39°34'59.9251"N	80°25'35.0818"W	3726.57	116.958	1.97	-0.11	-1.87
11241.00	89.510	155.910	7972.58	3437.79	-1776.21	3362.56	1738937.18	395825.02	39°34'59.0710"N	80°25'34.5477"W	3802.86	117.844	2.38	-0.19	2.38
11336.00	88.980	152.780	7973.84	3530.97	-1861.83	3403.68	1738978.30	395739.40	39°34'58.2290"N	80°25'34.0113"W	3879.62	118.679	3.34	-0.56	-3.29
11432.00	89.660	153.710	7974.98	3625.47	-1947.54	3446.89	1739021.51	395653.69	39°34'57.3863"N	80°25'33.4481"W	3959.04	119.467	1.20	0.71	0.97
11526.00	89.660	154.530	7975.53	3717.75	-2032.12	3487.92	1739062.54	395569.12	39°34'56.5547"N	80°25'32.9129"W	4036.72	120.226	0.87	0.00	0.87
11621.00	89.750	156.330	7976.02	3810.58	-2118.51	3527.42	1739102.04	395482.73	39°34'55.7048"N	80°25'32.3971"W	4114.70	120.988	1.90	0.09	1.89
11716.00	89.690	155.930	7976.49	3903.15	-2205.38	3565.86	1739140.48	395395.85	39°34'54.8502"N	80°25'31.8946"W	4192.74	121.736	0.43	-0.06	-0.42
11812.00	89.880	157.070	7976.85	3996.56	-2293.42	3604.14	1739178.76	395307.82	39°34'53.9840"N	80°25'31.3942"W	4271.95	122.470	1.20	0.20	1.19
11907.00	89.720	156.140	7977.18	4088.95	-2380.61	3641.88	1739216.48	395220.63	39°34'53.1261"N	80°25'30.9009"W	4350.91	123.172	0.99	-0.17	-0.98
12002.00	89.570	155.830	7977.77	4181.61	-2467.31	3680.67	1739255.30	395133.92	39°34'52.2731"N	80°25'30.3938"W	4431.14	123.836	0.56	-0.16	-0.54
12097.00	89.570	155.950	7978.48	4274.31	-2553.96	3719.63	1739294.25	395047.28	39°34'51.4208"N	80°25'29.8849"W	4512.02	124.474	0.34	0.00	0.34
12192.00	89.720	156.190	7979.07	4366.90	-2640.79	3758.16	1739332.79	394960.45	39°34'50.5665"N	80°25'29.3813"W	4593.21	125.095	0.30	0.16	0.25
12287.00	88.750	156.470	7979.51	4459.40	-2727.79	3796.30	1739370.93	394873.44	39°34'49.7105"N	80°25'28.8828"W	4674.70	125.699	0.30	0.03	0.28
12382.00	89.780	156.540	7979.90	4551.83	-2814.92	3834.18	1739408.80	394786.32	39°34'48.8532"N	80°25'28.3876"W	4756.54	126.285	0.08	0.03	0.07
12477.00	89.660	156.060	7980.36	4644.34	-2901.90	3872.36	1739446.98	394699.33	39°34'47.9974"N	80°25'27.8885"W	4839.03	126.847	0.52	-0.13	-0.51
12572.00	89.690	156.000	7980.90	4736.95	-2988.71	3910.96	1739485.58	394612.53	39°34'47.1434"N	80°25'27.3842"W	4922.19	127.387	0.07	0.03	-0.06
12666.00	89.910	156.520	7981.23	4828.51	-3074.75	3948.80	1739523.42	394526.48	39°34'46.2969"N	80°25'26.8896"W	5004.71	127.906	0.60	0.23	0.55
12761.00	89.810	155.910	7981.46	4921.05	-3161.69	3987.11	1739561.73	394439.55	39°34'45.4416"N	80°25'26.3889"W	5088.55	128.414	0.65	-0.11	-0.64
12857.00	89.810	155.860	7981.78	5014.69	-3249.31	4026.33	1739600.96	394351.93	39°34'44.5796"N	80°25'25.8765"W	5173.91	128.904	0.05	0.00	-0.05
12951.00	89.780	155.900	7982.12	5106.38	-3335.10	4064.75	1739639.37	394266.14	39°34'43.7356"N	80°25'25.3746"W	5257.86	129.369	0.05	-0.03	0.04
13046.00	89.630	155.080	7982.60	5199.18	-3421.54	4104.16	1739678.78	394179.70	39°34'42.8853"N	80°25'24.8569"W	5343.32	129.817	0.88	-0.16	-0.86
13141.00	89.680	154.760	7983.19	5292.19	-3507.58	4144.43	1739719.05	394093.66	39°34'42.0390"N	80°25'24.3344"W	5429.49	130.242	0.34	0.03	-0.34
13236.00	89.750	156.370	7983.68	5384.96	-3594.06	4183.72	1739758.34	394007.17	39°34'41.1582"N	80°25'23.8212"W	5515.51	130.665	1.70	0.09	1.69
13331.00	89.780	156.070	7984.07	5477.50	-3681.00	4222.03	1739796.65	393920.24	39°34'40.3329"N	80°25'23.3205"W	5601.38	131.084	0.32	0.03	-0.32
13426.00	89.720	155.230	7984.49	5570.25	-3767.55	4261.20	1739835.82	393833.69	39°34'39.4815"N	80°25'22.8090"W	5687.90	131.482	0.89	-0.06	-0.88
13521.00	89.900	155.300	7984.80	5663.14	-3853.83	4300.95	1739875.57	393747.41	39°34'38.6328"N	80°25'22.2900"W	5774.96	131.862	0.20	0.19	0.07
13616.00	90.090	155.610	7984.81	5755.95	-3940.24	4340.41	1739915.03	393660.99	39°34'37.7828"N	80°25'21.7747"W	5862.14	132.233	0.38	0.20	0.33
13711.00	90.060	155.480	7984.69	5848.75	-4026.72	4379.75	1739954.37	393574.52	39°34'36.9321"N	80°25'21.2609"W	5949.51	132.595	0.16	-0.03	-0.16
13806.00	90.000	155.390	7984.64	5941.58	-4113.11	4419.26	1739993.88	393488.13	39°34'36.0823"N	80°25'20.7450"W	6037.18	132.945	0.10	-0.06	-0.07
13902.00	90.030	155.540	7984.61	6035.37	-4200.44	4459.13	1740033.75	393400.80	39°34'35.2232"N	80°25'20.2244"W	6125.97	133.289	0.16	0.03	0.16
13997.00	90.000	155.440	7984.59	6128.18	-4286.88	4498.54	1740073.16	393314.36	39°34'34.3729"N	80°25'19.7098"W	6214.03	133.620	0.11	-0.03	-0.11
14091.00	90.000	155.250	7984.59	6220.06	-4372.31	4537.75	1740112.37	393228.93	39°34'33.5325"N	80°25'19.1978"W	6301.45	133.936	0.20	0.00	-0.20
14186.00	90.000	155.330	7984.59	6312.93	-4458.61	4577.46	1740152.08	393142.83	39°34'32.6836"N	80°25'18.6794"W	6390.02	134.246	0.08	0.00	0.08
14281.00	89.840	154.870	7984.72	6405.88	-4544.78	4617.46	1740192.08	393056.46	39°34'31.8360"N	80°25'18.1573"W	6478.69	134.546	0.51	-0.17	-0.48
14376.00	90.120	154.800	7984.75	6498.91	-4630.77	4657.86	1740232.48	392970.47	39°34'30.9903"N	80°25'17.6301"W	6568.07	134.833	0.30	0.29	-0.07
14471.00	89.970	154.610	7984.68	6591.99	-4716.66	4698.45	1740273.07	392884.58	39°34'30.1456"N	80°25'17.1005"W	6657.50	135.111	0.25	-0.16	-0.20
14566.00	90.000	154.430	7984.70	6685.12	-4802.42	4739.32	1740313.94	392798.82	39°34'29.3021"N	80°25'16.5673"W	6747.17	135.379	0.19	0.03	-0.19
14661.00	89.870	154.350	7984.81	6778.30	-4888.08	4780.38	1740355.00	392713.16	39°34'28.4598"N	80°25'16.0317"W	6837.06	135.638	0.16	-0.14	-0.08
14756.00	90.030	154.280	7984.89	6871.51	-4973.70	4821.55	1740396.17	392627.54	39°34'27.6177"N	80°25'15.4947"W	6927.12	135.890	0.18	0.17	-0.07
14851.00	90.210	154.580	7984.69	6964.67	-5059.39	4862.56	1740437.18	392541.85	39°34'26.7749"N	80°25'14.9598"W	7017.26	136.136	0.37	0.19	0.32

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Actual Wellpath Report

Radcliff 16H Proj: 19072'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

WELLPATH DATA (224 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]
14947.00	90.180	153.870	7984.37	7056.88	-5145.84	4904.30	1740478.92	392455.40	39°34'25.9247"N	80°25'14.4154"W	7108.57	136.377	0.74	-0.03	-0.74
15042.00	90.610	154.010	7983.71	7152.20	-5231.18	4946.03	1740520.65	392370.06	39°34'25.0855"N	80°25'13.8713"W	7199.20	136.605	0.48	0.45	0.15
15137.00	90.300	154.000	7982.96	7245.50	-5316.56	4987.67	1740562.29	392284.68	39°34'24.2458"N	80°25'13.3284"W	7289.91	136.828	0.33	-0.33	-0.01
15232.00	90.270	153.850	7982.48	7338.83	-5401.89	5026.43	1740604.05	392199.35	39°34'23.4067"N	80°25'12.7840"W	7380.76	137.045	0.16	-0.03	-0.16
15327.00	90.300	154.000	7982.01	7432.15	-5487.22	5071.18	1740645.80	392114.02	39°34'22.5676"N	80°25'12.2396"W	7471.72	137.256	0.16	0.03	0.16
15423.00	90.300	153.730	7981.51	7526.48	-5573.41	5113.47	1740688.09	392027.83	39°34'21.7201"N	80°25'11.6884"W	7563.78	137.464	0.28	0.00	-0.28
15518.00	90.270	154.240	7981.04	7619.79	-5658.78	5155.14	1740729.76	391942.46	39°34'20.8805"N	80°25'11.1451"W	7654.88	137.667	0.54	-0.03	0.54
15613.00	90.270	153.930	7980.59	7713.06	-5744.23	5196.66	1740771.27	391857.01	39°34'20.0402"N	80°25'10.6037"W	7746.06	137.865	0.33	0.00	-0.33
15708.00	90.330	154.410	7980.09	7806.31	-5829.73	5238.05	1740812.67	391771.51	39°34'19.1993"N	80°25'10.0640"W	7837.28	138.060	0.51	0.06	0.51
15802.00	90.270	154.290	7979.60	7898.52	-5914.47	5278.74	1740853.36	391686.77	39°34'18.3660"N	80°25'9.5333"W	7927.55	138.251	0.14	-0.06	-0.13
15897.00	90.300	154.530	7979.13	7991.69	-6000.15	5319.77	1740894.39	391601.09	39°34'17.5233"N	80°25'8.9981"W	8018.84	138.440	0.25	0.03	0.25
15992.00	90.300	154.100	7978.63	8084.89	-6085.76	5360.94	1740935.56	391515.48	39°34'16.6814"N	80°25'8.4612"W	8110.25	138.623	0.45	0.00	-0.45
16087.00	90.360	153.950	7978.08	8178.19	-6171.16	5402.55	1740977.17	391430.08	39°34'15.8415"N	80°25'7.9187"W	8201.88	138.799	0.17	0.06	-0.16
16183.00	90.270	154.030	7977.56	8272.48	-6257.44	5444.65	1741019.27	391343.80	39°34'14.9931"N	80°25'7.3698"W	8294.56	138.973	0.13	-0.09	0.08
16278.00	90.210	154.730	7977.18	8365.66	-6343.10	5485.73	1741060.34	391258.14	39°34'14.1507"N	80°25'6.8341"W	8386.18	139.146	0.74	-0.06	0.74
16373.00	90.240	154.940	7976.78	8458.69	-6429.08	5528.12	1741100.74	391172.16	39°34'13.3049"N	80°25'6.3070"W	8477.68	139.319	0.22	0.03	0.22
16468.00	90.300	154.960	7976.34	8551.68	-6515.14	5566.35	1741140.96	391086.10	39°34'12.4584"N	80°25'5.7821"W	8569.21	139.490	0.07	0.06	0.02
16563.00	90.240	155.830	7975.89	8644.50	-6601.55	5605.82	1741180.44	390999.69	39°34'11.6084"N	80°25'5.2667"W	8660.58	139.663	1.02	-0.06	1.02
16753.00	90.580	156.120	7974.53	8829.73	-6775.15	5683.03	1741257.84	390826.09	39°34'9.9005"N	80°25'4.2583"W	8843.05	140.010	0.20	0.18	0.10
16848.00	90.700	156.550	7973.47	8922.22	-6862.16	5721.15	1741295.77	390739.09	39°34'9.0444"N	80°25'3.7600"W	8934.25	140.181	0.47	0.13	0.45
16944.00	90.700	156.560	7972.30	9015.60	-6950.23	5759.35	1741333.97	390651.02	39°34'8.1779"N	80°25'3.2608"W	9026.39	140.353	0.01	0.00	0.01
17038.00	90.580	155.830	7971.25	9107.17	-7036.22	5797.29	1741371.90	390565.02	39°34'7.3317"N	80°25'2.7652"W	9116.85	140.514	0.79	-0.13	-0.78
17133.00	90.670	155.290	7970.21	9199.94	-7122.71	5836.59	1741411.21	390478.54	39°34'6.4810"N	80°25'2.2520"W	9208.62	140.668	0.58	0.09	-0.57
17228.00	90.300	156.220	7969.40	9292.65	-7209.32	5875.60	1741450.22	390391.92	39°34'5.6289"N	80°25'1.7426"W	9300.37	140.820	1.05	-0.39	0.98
17323.00	90.090	155.330	7969.08	9385.35	-7295.95	5914.58	1741489.20	390305.29	39°34'4.7768"N	80°25'1.2336"W	9392.19	140.970	0.96	-0.22	-0.94
17418.00	90.050	155.850	7968.97	9478.12	-7382.46	5953.84	1741528.45	390218.78	39°34'3.9256"N	80°25'0.7210"W	9484.14	141.114	0.55	-0.04	0.55
17513.00	90.330	156.680	7968.65	9570.65	-7469.43	5992.07	1741566.69	390131.82	39°34'3.0699"N	80°25'0.2214"W	9575.87	141.263	0.92	0.29	0.87
17608.00	90.270	156.480	7968.15	9663.05	-7556.60	6029.83	1741604.45	390044.65	39°34'2.2122"N	80°24'59.7279"W	9667.53	141.412	0.22	-0.06	-0.21
17703.00	90.240	155.990	7967.73	9755.58	-7643.54	6068.12	1741642.73	389957.70	39°34'1.3568"N	80°24'59.2277"W	9759.39	141.554	0.52	-0.03	-0.52
17798.00	90.180	155.910	7967.38	9846.22	-7730.29	6106.83	1741681.45	389870.95	39°34'0.5033"N	80°24'58.7220"W	9851.44	141.692	0.11	-0.06	-0.08
17893.00	90.210	156.050	7967.06	9940.85	-7817.07	6145.50	1741720.12	389784.18	39°33'59.6466"N	80°24'58.2170"W	9943.53	141.827	0.15	0.03	0.15
17988.00	90.120	155.080	7966.78	10033.63	-7903.56	6184.80	1741759.42	389697.69	39°33'58.7987"N	80°24'57.7039"W	10035.83	141.956	1.03	-0.09	-1.02
18178.00	90.120	154.970	7966.39	10219.57	-8075.79	6265.02	1741839.64	389525.46	39°33'57.1046"N	80°24'56.6571"W	10221.00	142.196	0.08	0.00	-0.08
18272.00	90.420	154.750	7965.94	10311.61	-8160.88	6304.95	1741879.57	389440.36	39°33'56.2676"N	80°24'56.1361"W	10312.73	142.311	0.40	0.32	-0.23
18367.00	90.420	154.980	7965.25	10404.63	-8246.89	6345.31	1741919.92	389354.36	39°33'55.4216"N	80°24'55.6097"W	10405.48	142.425	0.24	0.00	0.24
18462.00	90.480	155.430	7964.50	10497.54	-8333.13	6385.14	1741959.76	389268.12	39°33'54.5733"N	80°24'55.0898"W	10498.15	142.539	0.48	0.06	0.47
18557.00	90.510	155.070	7963.68	10590.43	-8419.40	6424.92	1741999.53	389181.85	39°33'53.7247"N	80°24'54.5708"W	10590.83	142.652	0.38	0.03	-0.38
18652.00	90.390	155.230	7962.93	10683.35	-8505.60	6464.84	1742039.45	389095.65	39°33'52.8768"N	80°24'54.0498"W	10683.60	142.763	0.21	-0.13	0.17
18747.00	90.360	154.880	7962.31	10776.31	-8591.73	6504.90	1742079.52	389009.51	39°33'52.0295"N	80°24'53.5270"W	10776.44	142.870	0.37	-0.03	-0.37
18842.00	90.300	153.810	7961.77	10869.50	-8677.36	6546.03	1742120.65	388923.88	39°33'51.1873"N	80°24'52.9907"W	10869.55	142.970	1.13	-0.06	-1.13
18936.00	90.540	153.830	7961.08	10961.87	-8761.72	6587.50	1742162.12	388839.53	39°33'50.3578"N	80°24'52.4502"W	10961.88	143.062	0.26	0.26	0.02
18968.00	90.350	153.790	7960.82	10993.32	-8790.43	6601.63	1742176.24	388810.81	39°33'50.0754"N	80°24'52.2662"W	10993.32	143.093	0.49	-0.47	-0.13
19047.00	90.420	154.000	7960.26	11070.93	-8861.37	6636.39	1742211.00	388739.88	39°33'49.3778"N	80°24'51.8131"W	11070.93	143.170	0.27	0.04	0.27
19072.00†	90.420	154.000	7960.08	11095.48	-8883.84	6647.34	1742221.96	388717.41	39°33'49.1568"N	80°24'51.6703"W	11095.49	143.194	0.00	0.00	0.00

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Actual Wellpath Report

Radcliff 16H Proj: 19072'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 16H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 16H
Slot	Slot 16		

HOLE & CASING SECTIONS - Ref Wellbore: Radcliff 16H Ref Wellpath: Radcliff 16H Proj: 19072'

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	1388.00	1360.00	28.00	1388.00	0.00	0.00	-0.05	-1.30
9.625in Casing	28.00	2758.00	2730.00	28.00	2757.02	0.00	0.00	9.03	40.18
8.75in Open Hole	2758.00	7796.00	5038.00	2757.02	7354.50	9.03	40.18	860.95	1802.49

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Radcliff 16H T1	7945.00	408.18	2322.53	1737897.16	398009.41	39°35'20.5538"N	80°25'48.1198"W	point
Radcliff 16H T2	8034.40	-8880.62	6654.38	1742228.99	388720.63	39°33'49.1894"N	80°24'51.5809"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radcliff 16H Ref Wellpath: Radcliff 16H Proj: 19072'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1253.00	BH Generic gyro - continuous (Standard)	01 Gyro	Radcliff 16H	2/22/2024
1253.00	7719.00	OWSG MWD rev2 - Standard	02 SDI MWD	Radcliff 16H	2/22/2024
7719.00	19072.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7820-19047)	Radcliff 16H	4/14/2024

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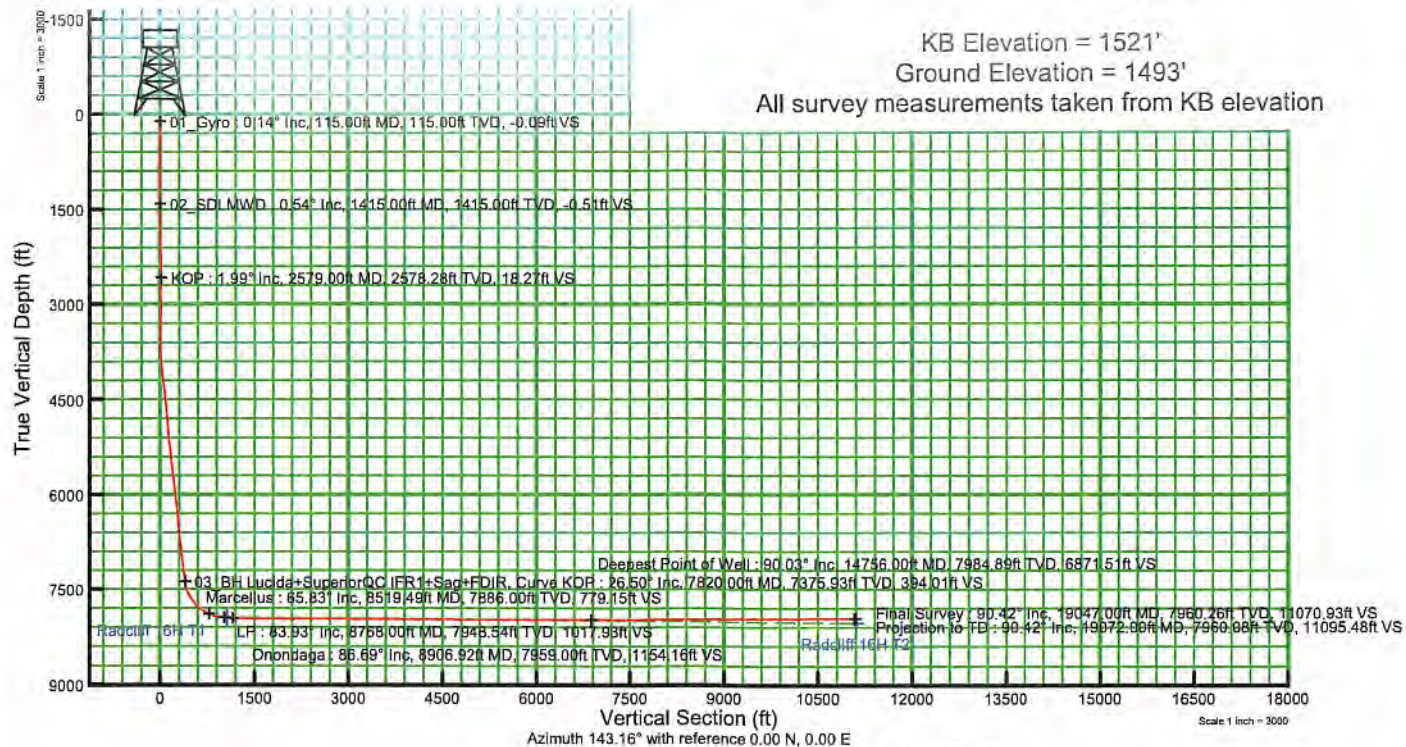
04/11/2025



EQT PRODUCTION COMPANY

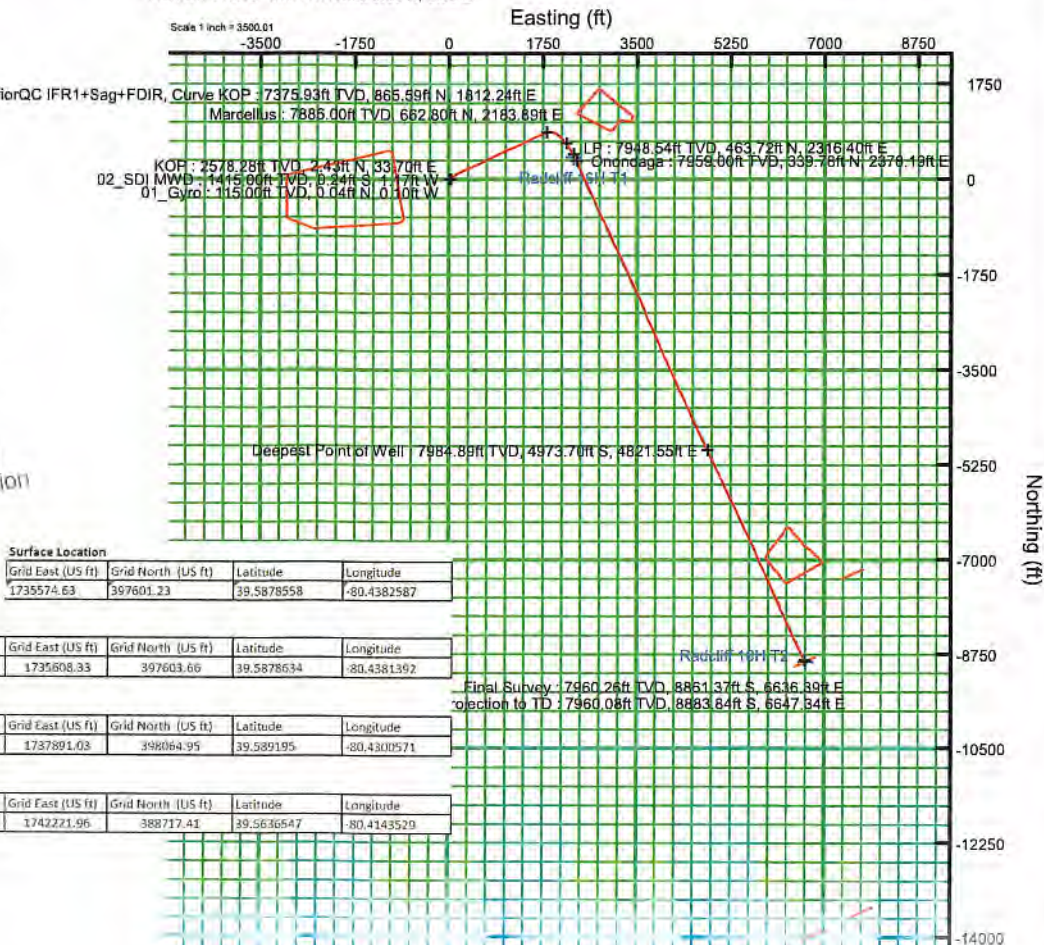
Location: Marion County, WV
Field: Marion
Facility: Radcliff Pad

Slot: Slot 16
Well: Radcliff 16H
Wellbore: Radcliff 16H



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User specified Dip: 68.30° Field: 51437.2 nT
Magnetic North is 8.76 degrees West of True North (at 4/14/2024)
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
1735574.63	397601.23	39.5878558	-80.4382587

KOP

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
2579	1.99	34.09	2578.28	2.43	33.7	1735608.33	397603.66	39.5878634	-80.4381392

Landing Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
8768	83.93	151.82	7948.54	463.72	2316.4	1737891.03	398064.95	39.589195	-80.4300571

Bottom Hole Location

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	North	East	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
19072	90.42	154	7960.08	883.84	6647.34	1742221.96	388717.41	39.5636547	-80.4143520

04/11/2025