



Actual Wellpath Report

Radcliff 18H ST01 Proj: 17962'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 18H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Deergai
Scale	0.999941	Report Generated	5/7/2024 at 12:57:49 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	-54.00	-22.72	1735571.55	397615.91	39°35'16.4257"N	80°26'17.7726"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 18)	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	134.01°

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WELLPATH DATA (217 stations) † = interpolated, ‡ = extrapolated station

MD (ft)	Inclination [°]	Azimuth [°]	TVD (ft)	TVDSS (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	355.950	0.00	-1521.00	0.00	0.00	0.00	1735571.55	397615.91	39°35'16.4257°N	80°26'17.7726°W	0.00	0.000	0.00	0.00	0.00	
28.00	0.000	355.950	28.00	-1493.00	0.00	0.00	0.00	1735571.55	397615.91	39°35'16.4257°N	80°26'17.7726°W	0.00	0.000	0.00	0.00	0.00	
115.00	0.180	355.950	115.00	-1406.00	-0.09	0.12	-0.01	1735571.54	397616.03	39°35'16.4269°N	80°26'17.7727°W	0.12	355.950	0.18	0.18	0.00	01 Gyro
215.00	0.100	309.930	215.00	-1306.00	-0.28	0.32	-0.09	1735571.46	397616.23	39°35'16.4288°N	80°26'17.7738°W	0.33	344.905	0.12	-0.06	-46.02	
315.00	0.070	327.740	315.00	-1206.00	-0.43	0.42	-0.18	1735571.37	397616.33	39°35'16.4299°N	80°26'17.7750°W	0.46	336.447	0.04	-0.03	17.81	
415.00	0.050	71.650	415.00	-1106.00	-0.47	0.49	-0.18	1735571.37	397616.40	39°35'16.4305°N	80°26'17.7749°W	0.52	340.217	0.10	-0.02	103.91	
515.00	0.110	294.380	515.00	-1006.00	-0.54	0.54	-0.22	1735571.33	397616.45	39°35'16.4310°N	80°26'17.7755°W	0.59	337.751	0.15	0.06	-137.27	
615.00	0.140	7.810	615.00	-906.00	-0.70	0.70	-0.29	1735571.26	397616.61	39°35'16.4326°N	80°26'17.7765°W	0.76	337.395	0.15	0.03	73.43	
715.00	0.230	6.940	715.00	-806.00	-0.89	1.02	-0.25	1735571.30	397616.93	39°35'16.4358°N	80°26'17.7760°W	1.05	346.169	0.09	0.09	-0.87	
815.00	0.070	337.290	815.00	-706.00	-1.07	1.28	-0.25	1735571.30	397617.19	39°35'16.4383°N	80°26'17.7760°W	1.30	348.883	0.17	-0.16	-29.65	
915.00	0.050	334.040	915.00	-606.00	-1.17	1.38	-0.29	1735571.26	397617.29	39°35'16.4393°N	80°26'17.7766°W	1.41	347.927	0.02	-0.02	-3.25	
1015.00	0.230	6.310	1015.00	-506.00	-1.33	1.61	-0.29	1735571.26	397617.52	39°35'16.4416°N	80°26'17.7766°W	1.64	349.774	0.19	0.18	32.27	
1115.00	0.130	40.780	1115.00	-406.00	-1.46	1.90	-0.19	1735571.36	397617.81	39°35'16.4445°N	80°26'17.7754°W	1.91	354.138	0.14	-0.10	34.47	
1215.00	0.340	8.200	1215.00	-306.00	-1.64	2.28	-0.08	1735571.47	397618.19	39°35'16.4482°N	80°26'17.7739°W	2.28	358.026	0.24	0.21	-32.58	
1250.00	0.410	11.850	1250.00	-271.00	-1.77	2.50	-0.04	1735571.51	397618.41	39°35'16.4505°N	80°26'17.7734°W	2.50	359.130	0.21	0.20	10.43	
1411.00	0.510	31.280	1410.99	-110.01	-2.23	3.68	0.45	1735572.00	397619.59	39°35'16.4621°N	80°26'17.7673°W	3.71	7.007	0.11	0.06	12.07	02 SDI MWD
1454.00	0.260	85.920	1453.99	-67.01	-2.21	3.85	0.65	1735572.20	397619.76	39°35'16.4638°N	80°26'17.7648°W	3.90	9.567	0.97	-0.58	127.07	KOP
1497.00	0.990	82.120	1496.99	-24.01	-1.91	3.91	1.11	1735572.66	397619.82	39°35'16.4645°N	80°26'17.7589°W	4.06	15.912	1.70	1.70	-8.84	
1541.00	2.190	81.840	1540.97	19.97	-1.16	4.08	2.32	1735573.87	397619.99	39°35'16.4663°N	80°26'17.7435°W	4.69	29.656	2.73	2.73	-0.64	
1584.00	3.460	81.510	1583.92	62.92	0.13	4.39	4.42	1735575.97	397620.30	39°35'16.4695°N	80°26'17.7168°W	6.23	45.205	2.95	2.95	-0.77	
1627.00	4.840	84.130	1626.80	105.80	2.09	4.77	7.51	1735579.06	397620.68	39°35'16.4736°N	80°26'17.6774°W	8.89	57.596	3.24	3.21	6.09	
1670.00	6.790	79.140	1669.58	148.58	4.72	5.43	11.81	1735583.36	397621.34	39°35'16.4806°N	80°26'17.6225°W	13.00	65.307	4.68	4.53	-11.60	
1757.00	8.380	84.990	1755.82	234.82	11.84	6.95	23.18	1735594.73	397622.86	39°35'16.4968°N	80°26'17.4775°W	24.20	73.301	2.03	1.83	6.72	
1842.00	8.730	99.590	1839.88	318.88	21.22	6.42	35.71	1735607.26	397622.33	39°35'16.4928°N	80°26'17.3174°W	36.28	79.810	2.58	0.41	17.18	
1928.00	7.230	108.930	1925.05	404.05	31.51	3.58	47.26	1735618.81	397619.49	39°35'16.4659°N	80°26'17.1694°W	47.40	85.674	2.30	-1.74	10.86	
2013.00	7.170	105.640	2009.38	488.38	41.02	0.41	57.43	1735628.98	397616.32	39°35'16.4357°N	80°26'17.0391°W	57.43	89.591	0.49	-0.07	-3.87	
2100.00	6.760	99.430	2095.74	574.74	50.01	-1.89	67.71	1735639.26	397614.02	39°35'16.4140°N	80°26'16.9075°W	67.74	91.601	0.98	-0.47	-7.14	
2185.00	6.740	91.900	2180.15	659.15	57.83	-2.88	77.63	1735649.18	397613.03	39°35'16.4053°N	80°26'16.7807°W	77.69	92.123	1.04	-0.02	-8.86	
2271.00	5.920	83.030	2265.63	744.63	64.37	-2.51	87.08	1735658.63	397613.40	39°35'16.4099°N	80°26'16.6600°W	87.11	91.649	1.48	-0.95	-10.31	
2358.00	6.060	78.150	2352.15	831.15	69.77	-1.02	96.03	1735667.58	397614.89	39°35'16.4255°N	80°26'16.5460°W	96.03	90.608	0.61	0.16	-5.61	

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Operator	EQT PRODUCTION COMPANY	Well	Radcliff 18H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

WELLPATH DATA (217 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2444.00	6.500	79.970	2437.64	916.64	75.17	0.76	105.26	1735676.81	397616.67	39°35'16.4441"N	80°26'16.4282"W	105.27	89.586	0.56	0.51	2.12	
2531.00	7.700	82.520	2523.97	1002.97	81.69	2.38	115.89	1735687.44	397618.29	39°35'16.4612"N	80°26'16.2927"W	115.92	88.825	1.43	1.38	2.93	
2617.00	6.330	79.600	2609.32	1088.32	88.04	3.98	126.27	1735697.82	397619.89	39°35'16.4781"N	80°26'16.1604"W	126.33	88.193	1.65	-1.59	-3.40	
2696.00	5.980	75.090	2687.87	1166.87	92.70	5.83	134.53	1735706.08	397621.74	39°35'16.4972"N	80°26'16.0551"W	134.65	87.519	0.76	-0.44	-5.71	
2804.00	6.100	70.680	2795.27	1274.27	98.18	9.17	145.38	1735716.93	397625.08	39°35'16.5314"N	80°26'15.9169"W	145.67	86.389	0.44	0.11	-4.08	
2847.00	6.220	68.500	2838.02	1317.02	100.17	10.78	149.70	1735721.25	397626.69	39°35'16.5477"N	80°26'15.8619"W	150.09	85.880	0.61	0.28	-5.07	
2890.00	5.790	69.930	2880.78	1359.78	102.08	12.38	153.91	1735725.46	397628.29	39°35'16.5640"N	80°26'15.8084"W	154.40	85.400	1.06	-1.00	3.33	
2933.00	6.130	75.480	2923.55	1402.55	104.23	13.70	158.17	1735729.72	397629.61	39°35'16.5774"N	80°26'15.7542"W	158.76	85.049	1.56	0.79	12.91	
2976.00	7.180	77.890	2966.26	1445.26	106.92	14.84	163.02	1735734.57	397630.75	39°35'16.5892"N	80°26'15.6924"W	163.69	84.798	2.53	2.44	5.60	
3019.00	8.200	81.710	3008.88	1487.88	110.30	15.85	168.68	1735740.23	397631.76	39°35'16.5997"N	80°26'15.6202"W	169.42	84.633	2.65	2.37	8.88	
3063.00	8.790	84.570	3052.39	1531.39	114.40	16.62	175.13	1735746.68	397632.53	39°35'16.6080"N	80°26'15.5379"W	175.92	84.580	1.65	1.34	6.50	
3106.00	8.450	84.600	3094.91	1573.91	118.59	17.23	181.55	1735753.10	397633.14	39°35'16.6147"N	80°26'15.4560"W	182.36	84.580	0.79	-0.79	0.07	
3144.00	7.890	85.740	3132.52	1611.52	122.15	17.68	186.93	1735758.48	397633.59	39°35'16.6198"N	80°26'15.3874"W	187.76	84.596	1.53	-1.47	3.0003	SDI MWD
3188.00	5.850	89.300	3176.20	1655.20	125.75	17.93	192.18	1735763.73	397633.84	39°35'16.6228"N	80°26'15.3203"W	193.02	84.669	4.73	-4.64	8.09	
3231.00	5.280	92.270	3219.00	1698.00	128.78	17.88	196.35	1735767.90	397633.79	39°35'16.6227"N	80°26'15.2670"W	197.16	84.796	1.48	-1.33	6.91	
3274.00	5.670	92.710	3261.80	1740.80	131.86	17.70	200.45	1735772.00	397633.61	39°35'16.6214"N	80°26'15.2147"W	201.23	84.953	0.91	0.91	1.02	
3317.00	7.030	93.080	3304.54	1783.54	135.44	17.46	205.20	1735776.75	397633.37	39°35'16.6195"N	80°26'15.1540"W	205.94	85.136	3.16	3.16	0.86	
3360.00	8.230	91.780	3347.16	1826.16	139.71	17.23	210.90	1735782.45	397633.14	39°35'16.6177"N	80°26'15.0811"W	211.60	85.331	2.82	2.79	-3.02	
3403.00	9.280	90.360	3389.66	1868.66	144.49	17.11	217.45	1735788.99	397633.02	39°35'16.6172"N	80°26'14.9975"W	218.12	85.501	2.49	2.44	-3.30	
3447.00	10.100	86.870	3433.03	1912.03	149.68	17.30	224.85	1735796.40	397633.21	39°35'16.6198"N	80°26'14.9030"W	225.51	85.601	2.29	1.86	-7.93	
3490.00	10.980	82.710	3475.30	1954.30	154.81	18.02	232.67	1735804.22	397633.93	39°35'16.6278"N	80°26'14.8031"W	233.37	85.571	2.70	2.05	-9.67	
3533.00	12.000	79.090	3517.44	1996.44	159.94	19.39	241.12	1735812.67	397635.30	39°35'16.6422"N	80°26'14.6954"W	241.90	85.403	2.90	2.37	-8.42	
3576.00	12.610	77.410	3559.45	2038.45	165.09	21.26	250.09	1735821.64	397637.17	39°35'16.6616"N	80°26'14.5810"W	251.00	85.142	1.64	1.42	-3.91	
3620.00	13.040	76.400	3602.36	2081.36	170.39	23.47	259.61	1735831.16	397639.38	39°35'16.6845"N	80°26'14.4598"W	260.67	84.834	1.10	0.98	-2.30	
3663.00	13.470	75.170	3644.21	2123.21	175.58	25.89	269.16	1735840.71	397641.80	39°35'16.7094"N	80°26'14.3381"W	270.41	84.505	1.20	1.00	-2.86	
3706.00	13.930	73.280	3685.99	2164.99	180.70	28.66	278.96	1735850.51	397644.57	39°35'16.7378"N	80°26'14.2133"W	280.43	84.133	1.49	1.07	-4.40	
3749.00	14.670	72.480	3727.65	2206.65	185.83	31.79	289.11	1735860.66	397647.70	39°35'16.7697"N	80°26'14.0841"W	290.85	83.725	1.78	1.72	-1.86	
3792.00	16.110	72.440	3769.11	2248.11	191.27	35.23	299.99	1735871.54	397651.14	39°35'16.8049"N	80°26'13.9456"W	302.05	83.302	3.35	3.35	-0.09	
3836.00	17.760	73.230	3811.20	2290.20	197.45	39.01	312.24	1735883.79	397654.92	39°35'16.8435"N	80°26'13.7896"W	314.67	82.879	3.79	3.75	1.80	
3879.00	19.570	74.000	3851.94	2330.94	204.25	42.89	325.44	1735896.99	397658.80	39°35'16.8831"N	80°26'13.6215"W	328.25	82.493	4.25	4.21	1.79	

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3922.00	21.020	74.940	3892.27	2371.27	211.81	46.88	339.81	1735911.36	397662.79	39°35'16.9241"N	80°26'13.4385"W	343.03	82.146	3.46	3.37	2.19	
3956.00	21.570	76.530	3923.95	2402.95	218.30	49.92	351.78	1735923.33	397665.83	39°35'16.9553"N	80°26'13.2860"W	355.30	81.924	2.35	1.62	4.68	
3999.00	22.210	74.490	3963.85	2442.85	226.68	53.93	367.30	1735938.85	397669.84	39°35'16.9966"N	80°26'13.0884"W	371.23	81.647	2.31	1.49	-4.74	
4085.00	24.230	74.010	4042.88	2521.88	243.74	63.14	399.93	1735971.48	397679.05	39°35'17.0910"N	80°26'12.6728"W	404.88	81.028	2.36	2.35	-0.56	
4172.00	26.500	74.470	4121.81	2600.81	262.16	73.07	435.13	1736006.68	397688.98	39°35'17.1928"N	80°26'12.2244"W	441.23	80.467	1.48	1.46	0.53	
4258.00	27.040	76.760	4198.93	2677.93	282.12	82.51	472.00	1736043.55	397698.42	39°35'17.2898"N	80°26'11.7548"W	479.16	80.085	2.14	1.79	2.66	
4344.00	28.730	77.500	4274.94	2753.94	304.10	91.46	511.21	1736082.76	397707.37	39°35'17.3823"N	80°26'11.2551"W	519.33	79.857	2.01	1.97	0.86	
4431.00	30.300	77.030	4350.65	2829.65	327.60	100.91	553.02	1736124.56	397716.82	39°35'17.4801"N	80°26'10.7224"W	562.15	79.659	1.82	1.80	-0.54	
4517.00	31.810	76.210	4424.32	2903.32	351.50	111.18	596.17	1736167.72	397727.09	39°35'17.5860"N	80°26'10.1726"W	606.45	79.436	1.82	1.76	-0.95	
4604.00	33.270	74.610	4497.66	2976.66	375.86	122.98	641.45	1736213.00	397738.89	39°35'17.7073"N	80°26'9.5958"W	653.13	79.147	1.95	1.68	-1.84	
4690.00	34.030	73.710	4569.25	3048.25	399.79	135.99	687.29	1736258.84	397751.90	39°35'17.8406"N	80°26'9.0120"W	700.62	78.808	1.06	0.88	-1.05	
4776.00	34.950	75.120	4640.13	3119.13	424.44	149.07	734.20	1736305.75	397764.98	39°35'17.9747"N	80°26'8.4146"W	749.18	78.523	1.42	1.07	1.64	
4863.00	35.900	75.400	4711.03	3190.03	450.60	161.90	782.97	1736354.52	397777.81	39°35'18.1065"N	80°26'7.7934"W	799.53	78.317	1.11	1.09	0.32	
4949.00	37.240	76.540	4780.10	3259.10	477.72	174.31	832.68	1736404.23	397790.22	39°35'18.2343"N	80°26'7.1601"W	850.73	78.177	1.75	1.56	1.33	
5036.00	37.740	76.810	4849.13	3328.13	506.30	186.51	884.20	1736455.75	397802.42	39°35'18.3602"N	80°26'6.5036"W	903.66	78.089	0.60	0.57	0.31	
5122.00	37.420	74.650	4917.29	3396.29	533.87	199.44	935.03	1736506.57	397815.35	39°35'18.4931"N	80°26'5.8561"W	956.06	77.960	1.58	-0.37	-2.51	
5208.00	39.950	74.080	4984.41	3463.41	561.02	213.93	986.78	1736558.33	397829.84	39°35'18.6417"N	80°26'5.1969"W	1009.71	77.768	2.97	2.94	-0.66	
5295.00	40.750	75.720	5050.72	3529.72	589.94	228.60	1041.17	1736612.71	397844.51	39°35'18.7922"N	80°26'4.5043"W	1065.97	77.617	1.53	0.92	1.89	
5381.00	41.950	75.740	5115.27	3594.27	619.81	242.60	1096.23	1736667.78	397858.51	39°35'18.9363"N	80°26'3.8028"W	1122.75	77.521	1.40	1.40	0.02	
5467.00	42.540	75.840	5178.94	3657.94	650.26	256.79	1152.28	1736723.82	397872.70	39°35'19.0823"N	80°26'3.0888"W	1180.54	77.437	0.69	0.69	0.12	
5554.00	41.080	74.480	5243.78	3722.78	680.26	271.64	1208.34	1736779.89	397887.55	39°35'19.2348"N	80°26'2.3747"W	1238.50	77.330	1.98	-1.68	-1.56	
5640.00	40.650	72.600	5308.82	3787.82	707.99	287.58	1262.30	1736833.85	397903.48	39°35'19.3979"N	80°26'1.6876"W	1294.64	77.166	1.52	-0.50	-2.19	
5726.00	42.280	74.800	5373.27	3852.27	736.20	303.54	1316.95	1736888.50	397919.45	39°35'19.5613"N	80°26'0.9916"W	1351.48	77.021	2.54	1.90	2.56	
5813.00	40.950	75.320	5438.31	3917.31	766.00	318.44	1372.77	1736944.32	397934.35	39°35'19.7142"N	80°26'0.2806"W	1409.22	76.940	1.58	-1.53	0.60	
5899.00	38.780	75.750	5504.32	3983.32	794.81	332.21	1426.15	1736997.69	397948.12	39°35'19.8558"N	80°25'59.6007"W	1464.33	76.887	2.54	-2.52	0.50	
5985.00	38.370	75.370	5571.55	4050.55	822.87	345.58	1478.08	1737049.62	397961.49	39°35'19.9933"N	80°25'58.9391"W	1517.94	76.840	0.55	-0.48	-0.44	
6072.00	39.770	76.680	5639.10	4118.10	851.94	358.81	1531.29	1737102.83	397974.72	39°35'20.1296"N	80°25'58.2612"W	1572.76	76.812	1.87	1.61	1.51	
6158.00	39.950	76.980	5705.11	4184.11	881.81	371.37	1584.95	1737156.50	397987.28	39°35'20.2592"N	80°25'57.5774"W	1627.88	76.813	0.31	0.21	0.35	
6245.00	40.130	76.870	5771.72	4250.72	912.22	384.03	1639.47	1737211.02	397999.94	39°35'20.3899"N	80°25'56.8827"W	1683.85	76.817	0.22	0.21	-0.13	
6321.00	40.730	77.550	5829.57	4308.57	939.21	394.94	1687.54	1737259.08	398010.85	39°35'20.5027"N	80°25'56.2702"W	1733.13	76.828	0.98	0.79	0.89	

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Actual Wellpath Report

Radcliff 18H ST01 Proj: 17962'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 18H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

WELLPATH DATA (217 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
6407.00	41.240	78.820	5894.49	4373.49	970.89	406.49	1742.74	1737314.29	398022.40	39°35'20.6224"N	80°25'55.5666"W	1789.52	76.871	1.14	0.59	1.48	
6493.00	40.720	78.280	5959.41	4438.41	1002.86	417.68	1798.02	1737369.57	398033.59	39°35'20.7387"N	80°25'54.8620"W	1845.90	76.922	0.73	-0.60	-0.63	
6580.00	39.980	77.340	6025.72	4504.72	1034.20	429.57	1853.08	1737424.62	398045.48	39°35'20.8619"N	80°25'54.1603"W	1902.22	76.948	1.10	-0.85	-1.08	
6666.00	39.820	77.340	6091.69	4570.69	1064.50	441.66	1906.90	1737478.45	398057.57	39°35'20.9869"N	80°25'53.4744"W	1957.38	76.960	0.19	-0.19	0.00	
6753.00	39.570	77.230	6158.64	4637.64	1094.99	453.89	1961.10	1737532.65	398069.80	39°35'21.1133"N	80°25'52.7837"W	2012.94	76.968	0.30	-0.29	-0.13	
6839.00	39.370	76.940	6225.02	4704.02	1124.82	466.11	2014.39	1737585.93	398082.02	39°35'21.2395"N	80°25'52.1047"W	2067.61	76.972	0.32	-0.23	-0.34	
6825.00	38.380	76.010	6291.98	4770.98	1153.79	478.73	2066.87	1737638.41	398094.64	39°35'21.3696"N	80°25'51.4361"W	2121.58	76.959	1.34	-1.15	-1.08	
7012.00	38.960	74.810	6359.90	4838.90	1182.11	492.43	2119.47	1737691.02	398108.33	39°35'21.5104"N	80°25'50.7660"W	2175.92	76.920	1.09	0.67	-1.38	
7098.00	38.520	73.940	6426.98	4905.98	1209.31	506.92	2171.30	1737742.84	398122.83	39°35'21.6589"N	80°25'50.1059"W	2229.69	76.859	0.81	-0.51	-1.01	
7184.00	36.970	73.100	6494.99	4973.99	1235.24	521.85	2221.78	1737793.33	398137.75	39°35'21.8116"N	80°25'49.4630"W	2282.24	76.782	1.90	-1.80	-0.98	
7271.00	36.200	71.430	6564.85	5043.85	1259.79	537.63	2271.17	1737842.71	398153.54	39°35'21.9727"N	80°25'48.8343"W	2333.93	76.682	1.45	-0.89	-1.92	
7357.00	36.940	73.040	6633.92	5112.92	1284.02	553.26	2319.96	1737891.51	398169.17	39°35'22.1321"N	80°25'48.2131"W	2385.02	76.587	1.41	0.86	1.87	
7443.00	37.800	75.760	6702.27	5181.27	1310.43	567.28	2370.23	1737941.77	398183.19	39°35'22.2759"N	80°25'47.5729"W	2437.17	76.540	2.16	1.00	3.16	
7530.00	39.460	77.010	6770.23	5249.23	1339.52	580.06	2423.01	1737994.56	398195.96	39°35'22.4075"N	80°25'46.9003"W	2491.48	76.537	2.11	1.91	1.44	
7616.00	41.220	78.640	6835.78	5314.78	1370.50	591.78	2477.43	1738048.97	398207.69	39°35'22.5290"N	80°25'46.2068"W	2547.13	76.566	2.39	2.05	1.90	
7702.00	41.520	78.090	6900.32	5379.32	1402.58	603.24	2533.10	1738104.64	398219.15	39°35'22.6480"N	80°25'45.4973"W	2603.94	76.605	0.55	0.35	-0.64	
7789.00	41.480	76.500	6965.48	5444.48	1434.21	615.92	2589.33	1738160.88	398231.83	39°35'22.7790"N	80°25'44.7807"W	2661.58	76.620	1.21	-0.05	-1.83	
7875.00	42.130	77.950	7029.59	5508.59	1465.61	628.59	2645.24	1738216.78	398244.50	39°35'22.9099"N	80°25'44.0682"W	2718.90	76.633	1.35	0.76	1.69	
7962.00	42.270	77.980	7094.04	5573.04	1498.25	640.78	2702.39	1738273.94	398256.69	39°35'23.0362"N	80°25'43.3398"W	2777.32	76.661	0.16	0.16	0.03	
8048.00	41.350	75.750	7158.14	5637.14	1529.35	653.80	2758.22	1738329.76	398269.70	39°35'23.1706"N	80°25'42.6284"W	2834.65	76.665	2.03	-1.07	-2.59	
8135.00	41.350	73.900	7223.45	5702.45	1558.79	668.84	2813.69	1738385.23	398284.75	39°35'23.3249"N	80°25'41.9219"W	2892.09	76.628	1.40	0.00	-2.13	
8221.00	40.740	74.320	7288.31	5767.31	1587.11	684.30	2868.00	1738439.55	398300.21	39°35'23.4833"N	80°25'41.2302"W	2948.51	76.580	0.78	-0.71	0.49	
8307.00	38.090	75.380	7354.75	5833.75	1615.08	698.58	2920.70	1738492.24	398314.49	39°35'23.6298"N	80°25'40.5589"W	3003.08	76.548	3.18	-3.08	1.23	
8403.00	37.080	75.220	7430.82	5909.82	1645.49	713.44	2977.33	1738548.88	398329.35	39°35'23.7825"N	80°25'39.8375"W	3061.62	76.525	1.06	-1.05	-0.17	
8489.00	34.150	71.720	7500.74	5979.74	1670.15	727.63	3025.34	1738596.88	398343.54	39°35'23.9276"N	80°25'39.2262"W	3111.61	76.476	4.15	-3.41	-4.07	ST01 Tie On, 03 BH Lucida+SuperiorQC IFR1+Sag+FDIR
8584.00	39.550	86.140	7576.87	6055.87	1702.92	738.06	3080.98	1738652.52	398353.97	39°35'24.0363"N	80°25'38.5168"W	3168.15	76.528	10.70	5.68	15.18	Curve KOP
8678.00	43.900	100.860	7647.18	6126.18	1750.42	733.92	3143.03	1738714.57	398349.83	39°35'24.0018"N	80°25'37.7237"W	3227.58	76.856	11.38	4.63	15.66	
8774.00	46.830	111.600	7714.72	6193.72	1810.75	714.73	3208.37	1738779.92	398330.64	39°35'23.8188"N	80°25'36.8865"W	3287.02	77.441	8.52	3.05	11.19	
8869.00	53.070	119.290	7775.87	6254.87	1879.63	683.34	3273.82	1738845.37	398299.25	39°35'23.5152"N	80°25'36.0464"W	3344.38	78.210	9.02	6.57	8.09	
8965.00	58.180	123.650	7830.08	6309.08	1956.93	641.93	3341.31	1738912.85	398257.84	39°35'23.1128"N	80°25'35.1789"W	3402.41	79.125	6.51	5.32	4.54	

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Actual Wellpath Report

Radcliff 18H ST01 Proj: 17962'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 18H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

WELLPATH DATA (217 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
9060.00	85.030	128.810	7875.25	6354.25	2039.66	592.49	3408.57	1738980.12	398208.40	39°35'22.6311"N	80°25'34.3132"W	3459.68	80.139	8.65	7.21	5.43	
9155.00	70.100	137.200	7911.55	6390.55	2127.33	532.60	3472.61	1739044.16	398148.51	39°35'22.0457"N	80°25'33.4873"W	3513.22	81.280	9.75	5.34	8.83	
9250.00	76.360	143.020	7938.97	6417.97	2217.68	462.83	3530.83	1739102.37	398078.74	39°35'21.3621"N	80°25'32.7345"W	3561.04	82.532	8.82	6.59	6.13	
9345.00	83.030	147.690	7955.96	6434.96	2309.23	385.98	3583.89	1739155.43	398001.89	39°35'20.6079"N	80°25'32.0467"W	3604.61	83.853	8.52	7.02	4.92	
9404.52†	85.329	151.664	7962.00	6441.00	2366.23	334.88	3613.77	1739185.31	397950.79	39°35'20.1059"N	80°25'31.6583"W	3629.25	84.706	7.68	3.86	6.68	Marcellus
9440.00	86.710	154.020	7964.46	6443.46	2399.73	303.39	3629.92	1739201.47	397919.30	39°35'19.7963"N	80°25'31.4478"W	3642.58	85.222	7.68	3.89	6.64	LP
9535.00	89.330	152.760	7967.75	6446.75	2489.28	218.51	3672.45	1739243.99	397834.42	39°35'18.9618"N	80°25'30.8935"W	3678.94	86.595	3.06	2.76	-1.33	
9631.00	89.300	152.800	7968.89	6447.89	2580.17	133.15	3716.35	1739287.90	397749.06	39°35'18.1226"N	80°25'30.3214"W	3718.74	87.948	0.05	-0.03	0.04	
9726.00	89.820	153.100	7969.62	6448.62	2670.03	48.55	3759.55	1739331.10	397664.46	39°35'17.2908"N	80°25'29.7585"W	3759.87	89.260	0.63	0.55	0.32	
9821.00	89.390	152.920	7970.28	6449.28	2759.85	-36.10	3802.67	1739379.81	397579.81	39°35'16.4586"N	80°25'29.1967"W	3802.84	90.544	0.49	-0.45	-0.19	
9916.00	89.450	153.100	7971.24	6450.24	2849.67	-120.75	3845.78	1739417.32	397495.16	39°35'15.6264"N	80°25'28.6349"W	3847.68	91.798	0.20	0.06	0.19	
10011.00	89.580	153.290	7972.04	6451.04	2939.40	-205.54	3888.62	1739460.16	397410.37	39°35'14.7927"N	80°25'28.0765"W	3894.05	93.026	0.24	0.14	0.20	
10106.00	89.510	153.190	7972.80	6451.80	3029.10	-290.36	3931.39	1739502.93	397325.55	39°35'13.9588"N	80°25'27.5191"W	3942.10	94.224	0.13	-0.07	-0.11	
10201.00	89.540	152.860	7973.59	6452.59	3118.91	-375.03	3974.48	1739546.02	397240.89	39°35'13.1264"N	80°25'26.9576"W	3992.14	95.390	0.35	0.03	-0.35	
10296.00	89.360	152.720	7974.50	6453.50	3208.85	-459.51	4017.92	1739589.46	397156.40	39°35'12.2959"N	80°25'26.3916"W	4044.11	96.524	0.24	-0.19	-0.15	
10391.00	89.640	152.720	7975.33	6454.33	3298.83	-543.94	4061.46	1739633.00	397071.97	39°35'11.4658"N	80°25'25.8244"W	4097.72	97.628	0.29	0.29	0.00	
10486.00	89.420	152.900	7976.11	6455.11	3388.76	-628.44	4104.87	1739676.41	396987.47	39°35'10.6351"N	80°25'25.2589"W	4152.70	98.704	0.30	-0.23	0.19	
10582.00	89.330	152.560	7977.15	6456.15	3479.68	-713.76	4148.85	1739720.39	396902.15	39°35'9.7963"N	80°25'24.6859"W	4209.80	99.762	0.37	-0.09	-0.35	
10676.00	89.600	153.250	7978.03	6457.03	3568.61	-797.44	4191.66	1739763.20	396818.47	39°35'8.9736"N	80°25'24.1281"W	4266.84	100.772	0.79	0.29	0.73	
10771.00	89.570	152.910	7978.72	6457.72	3658.40	-882.15	4234.67	1739806.21	396733.77	39°35'8.1408"N	80°25'23.5676"W	4325.58	101.767	0.36	-0.03	-0.36	
10865.00	89.390	152.970	7979.57	6458.57	3747.31	-965.85	4277.43	1739848.98	396650.06	39°35'7.3179"N	80°25'23.0105"W	4385.12	102.724	0.20	-0.19	0.06	
10960.00	90.000	154.090	7980.08	6459.08	3836.85	-1050.89	4319.78	1739891.32	396565.02	39°35'6.4817"N	80°25'22.4585"W	4445.77	103.673	1.34	0.64	1.18	
11056.00	89.630	153.620	7980.39	6459.39	3927.15	-1137.07	4362.08	1739933.62	396478.85	39°35'5.6343"N	80°25'21.9069"W	4507.84	104.610	0.62	-0.39	-0.49	
11150.00	89.270	152.980	7981.29	6460.29	4015.87	-1221.04	4404.31	1739975.85	396394.87	39°35'4.8087"N	80°25'21.3565"W	4570.44	105.495	0.78	-0.38	-0.68	
11245.00	89.330	153.300	7982.45	6461.45	4105.62	-1305.78	4447.23	1740018.77	396310.13	39°35'3.9755"N	80°25'20.7972"W	4634.97	106.363	0.34	0.06	0.34	
11341.00	89.700	152.270	7983.26	6462.26	4196.51	-1391.15	4491.13	1740062.67	396224.76	39°35'3.1362"N	80°25'20.2253"W	4701.66	107.211	1.14	0.39	-1.07	
11435.00	89.540	154.280	7983.89	6462.89	4285.24	-1475.10	4533.40	1740104.94	396140.81	39°35'2.3108"N	80°25'19.6744"W	4767.35	108.024	2.15	-0.17	2.14	
11530.00	89.360	152.660	7984.80	6463.80	4374.81	-1560.09	4575.83	1740147.37	396055.82	39°35'1.4751"N	80°25'19.1213"W	4834.47	108.826	1.72	-0.19	-1.71	
11625.00	89.910	153.220	7985.40	6464.40	4464.67	-1644.69	4619.05	1740190.59	395971.22	39°35'0.6434"N	80°25'18.5583"W	4903.12	109.599	0.83	0.58	0.59	
11720.00	89.140	152.610	7986.19	6465.19	4554.54	-1729.27	4662.30	1740233.84	395886.64	39°34'59.8119"N	80°25'17.9948"W	4972.67	110.350	1.03	-0.81	-0.64	

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Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

WELLPATH DATA (217 stations)

MD (ft)	Inclination [°]	Azimuth [°]	TVD (ft)	TVDSS (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir [°]	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
11815.00	90.500	153.610	7986.49	6465.49	4644.31	-1813.99	4705.27	1740276.81	395801.92	39°34'58.9789"N	80°25'17.4349"W	5042.83	111.083	1.78	1.43	1.05	
11910.00	89.140	152.280	7986.79	6465.79	4734.17	-1898.59	4748.47	1740320.01	395717.32	39°34'58.1471"N	80°25'16.8720"W	5113.97	111.793	2.00	-1.43	-1.40	
12005.00	89.600	154.660	7987.83	6466.83	4823.73	-1983.58	4790.90	1740362.44	395632.33	39°34'57.3115"N	80°25'16.3190"W	5185.30	112.491	2.55	0.48	2.51	
12101.00	89.300	152.910	7988.75	6467.75	4914.07	-2069.70	4833.30	1740404.84	395546.22	39°34'56.4647"N	80°25'15.7661"W	5257.80	113.181	1.85	-0.31	-1.82	
12196.00	90.000	154.030	7989.33	6468.33	5003.64	-2154.69	4875.74	1740447.28	395461.22	39°34'55.6290"N	80°25'15.2130"W	5330.62	113.842	1.39	0.74	1.18	
12290.00	90.590	152.130	7988.85	6467.85	5092.48	-2238.50	4918.29	1740489.83	395377.41	39°34'54.8050"N	80°25'14.6586"W	5403.75	114.472	2.12	0.63	-2.02	
12385.00	89.270	154.090	7988.97	6467.97	5182.24	-2323.22	4961.25	1740532.79	395292.69	39°34'53.9720"N	80°25'14.0988"W	5478.27	115.092	2.49	-1.39	2.06	
12480.00	91.140	157.600	7988.63	6467.63	5270.41	-2409.89	5000.12	1740571.66	395206.03	39°34'53.1194"N	80°25'13.5910"W	5550.56	115.732	4.19	1.97	3.69	
12575.00	90.440	152.880	7987.32	6466.32	5358.93	-2496.12	5039.89	1740611.43	395119.80	39°34'52.2712"N	80°25'13.0718"W	5624.16	116.348	5.02	-0.74	-4.97	
12670.00	89.850	151.950	7987.08	6466.08	5449.07	-2580.32	5083.88	1740655.42	395035.60	39°34'51.4434"N	80°25'12.4989"W	5701.22	116.910	1.16	-0.62	-0.98	
12765.00	89.940	151.470	7987.25	6466.25	5539.58	-2663.97	5128.91	1740700.45	394951.94	39°34'50.6212"N	80°25'11.9130"W	5779.48	117.448	0.51	0.09	-0.51	
12860.00	90.220	152.480	7987.12	6466.12	5629.95	-2747.83	5173.54	1740745.08	394868.08	39°34'49.7969"N	80°25'11.3319"W	5858.00	117.974	1.10	0.29	1.06	
12956.00	88.740	150.170	7987.99	6466.99	5721.58	-2832.05	5219.60	1740791.14	394783.87	39°34'48.9693"N	80°25'10.7327"W	5938.41	118.483	2.86	-1.54	-2.41	
13051.00	89.850	153.250	7989.16	6468.16	5812.07	-2915.68	5264.62	1740836.16	394700.23	39°34'48.1472"N	80°25'10.1468"W	6018.09	118.979	3.45	1.17	3.24	
13146.00	90.370	155.240	7988.98	6467.98	5901.20	-3001.24	5305.89	1740877.43	394614.68	39°34'47.3058"N	80°25'9.6085"W	6095.90	119.494	2.17	0.55	2.09	
13241.00	89.850	151.140	7988.79	6467.79	5990.91	-3086.01	5348.73	1740920.27	394529.91	39°34'46.4724"N	80°25'9.0503"W	6175.14	119.983	4.35	-0.55	-4.32	
13336.00	89.730	152.260	7989.14	6468.14	6081.42	-3169.65	5393.77	1740965.31	394446.26	39°34'45.6502"N	80°25'8.4642"W	6256.15	120.441	1.19	-0.13	1.18	
13432.00	90.340	151.350	7989.08	6468.08	6172.83	-3254.26	5439.13	1741010.67	394361.66	39°34'44.8186"N	80°25'7.8738"W	6338.32	120.892	1.14	0.64	-0.95	
13526.00	89.940	152.450	7988.85	6467.85	6262.28	-3337.18	5483.40	1741054.94	394278.74	39°34'44.0036"N	80°25'7.2976"W	6419.07	121.325	1.25	-0.43	1.17	
13622.00	90.340	151.710	7988.62	6467.62	6353.55	-3422.00	5528.35	1741099.89	394193.91	39°34'43.1698"N	80°25'6.7124"W	6501.75	121.757	0.88	0.42	-0.77	
13717.00	89.450	151.720	7988.79	6467.79	6444.05	-3505.66	5573.37	1741144.91	394110.26	39°34'42.3475"N	80°25'6.1266"W	6584.23	122.170	0.94	-0.94	0.01	
13812.00	89.720	152.560	7989.48	6468.48	6534.33	-3589.64	5617.76	1741189.30	394026.27	39°34'41.5220"N	80°25'5.5487"W	6666.69	122.578	0.93	0.28	0.88	
13907.00	89.970	152.580	7989.74	6468.74	6624.39	-3673.96	5661.52	1741233.06	393941.95	39°34'40.6930"N	80°25'4.9788"W	6749.14	122.981	0.26	0.26	0.02	
14001.00	89.880	151.760	7989.86	6468.86	6713.71	-3757.09	5705.41	1741276.95	393858.83	39°34'39.8759"N	80°25'4.4075"W	6831.35	123.365	0.88	-0.10	-0.87	
14096.00	89.630	152.230	7990.27	6469.27	6804.07	-3840.97	5750.01	1741321.55	393774.95	39°34'39.0514"N	80°25'3.8269"W	6914.89	123.743	0.56	-0.26	0.49	
14192.00	89.820	152.610	7990.73	6469.73	6895.16	-3926.06	5794.46	1741366.00	393689.86	39°34'38.2150"N	80°25'3.2481"W	6999.26	124.120	0.44	0.20	0.40	
14286.00	89.420	151.640	7991.35	6470.35	6984.50	-4009.15	5838.41	1741409.95	393606.77	39°34'37.3982"N	80°25'2.6761"W	7082.39	124.477	1.12	-0.43	-1.03	
14382.00	89.200	151.280	7992.51	6471.51	7076.08	-4093.47	5884.27	1741455.81	393522.44	39°34'36.5694"N	80°25'2.0793"W	7168.07	124.825	0.44	-0.23	-0.37	
14477.00	89.790	151.580	7993.34	6472.34	7166.72	-4176.90	5929.70	1741501.24	393439.02	39°34'35.7494"N	80°25'1.4883"W	7253.13	125.161	0.70	0.62	0.32	Deepest Point of Well
14572.00	90.310	151.450	7993.26	6472.26	7257.32	-4260.40	5975.01	1741546.55	393355.52	39°34'34.9287"N	80°25'0.8988"W	7338.37	125.490	0.56	0.55	-0.14	

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Actual Wellpath Report

Radcliff 18H ST01 Proj: 17962'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 18H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

WELLPATH DATA (217 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14667.00	90.430	151.830	7992.65	6471.65	7347.86	-4344.00	6020.13	1741591.67	393271.92	39°34'34.1071"N	80°25'0.3116"W	7423.77	125.813	0.42	0.13	0.40	
14762.00	90.090	152.990	7992.22	6471.22	7438.00	-4428.19	6064.13	1741635.67	393187.73	39°34'33.2794"N	80°24'59.7388"W	7508.83	126.138	1.27	-0.36	1.22	
14857.00	90.000	152.520	7992.14	6471.14	7527.96	-4512.65	6107.62	1741679.16	393103.27	39°34'32.4490"N	80°24'59.1723"W	7593.88	126.459	0.50	-0.09	-0.49	
14952.00	90.430	152.220	7991.79	6470.79	7618.13	-4596.82	6151.68	1741723.21	393019.10	39°34'31.6217"N	80°24'58.5988"W	7679.44	126.769	0.55	0.45	-0.32	
15047.00	90.400	152.470	7991.10	6470.10	7708.31	-4680.96	6195.77	1741767.31	392934.96	39°34'30.7945"N	80°24'58.0247"W	7765.24	127.071	0.27	-0.03	0.26	
15143.00	90.400	152.200	7990.38	6469.38	7799.44	-4765.99	6240.34	1741811.88	392849.93	39°34'29.9587"N	80°24'57.4444"W	7852.16	127.370	0.29	0.06	-0.28	
15237.00	90.430	152.710	7989.65	6468.65	7888.61	-4849.33	6283.81	1741855.35	392766.59	39°34'29.1393"N	80°24'56.8785"W	7937.40	127.658	0.54	-0.03	0.54	
15332.00	90.090	152.330	7989.22	6468.22	7978.69	-4933.61	6327.65	1741899.18	392682.31	39°34'28.3108"N	80°24'56.3077"W	8023.69	127.943	0.54	-0.36	-0.40	
15427.00	90.180	151.170	7988.99	6467.99	8069.18	-5017.29	6372.61	1741944.15	392598.63	39°34'27.4883"N	80°24'55.7226"W	8110.69	128.214	1.22	0.09	-1.22	
15523.00	90.340	151.460	7988.56	6467.56	8160.83	-5101.51	6418.69	1741990.23	392514.41	39°34'26.6606"N	80°24'55.1232"W	8199.08	128.477	0.35	0.17	0.30	
15618.00	90.340	151.080	7987.99	6466.99	8251.55	-5184.81	6464.35	1742035.89	392431.11	39°34'25.8418"N	80°24'54.5292"W	8286.74	128.732	0.40	0.00	-0.40	
15712.00	89.840	151.310	7987.85	6466.85	8341.36	-5267.18	6509.64	1742081.18	392348.74	39°34'25.0323"N	80°24'53.9401"W	8373.69	128.978	0.59	-0.53	0.24	
15807.00	90.460	151.400	7987.60	6466.60	8432.04	-5350.55	6555.19	1742126.72	392265.37	39°34'24.2129"N	80°24'53.3477"W	8461.61	129.222	0.66	0.65	0.09	
15902.00	90.520	152.260	7986.78	6465.78	8522.48	-5434.30	6600.03	1742171.57	392181.63	39°34'23.3898"N	80°24'52.7641"W	8549.39	129.467	0.91	0.06	0.91	
15997.00	90.340	151.430	7986.07	6465.07	8612.91	-5518.05	6644.86	1742216.39	392097.87	39°34'22.5665"N	80°24'52.1808"W	8637.30	129.707	0.89	-0.19	-0.87	
16093.00	90.460	151.330	7985.40	6464.40	8704.53	-5602.32	6690.84	1742262.38	392013.60	39°34'21.7383"N	80°24'51.5826"W	8726.59	129.940	0.16	0.13	-0.10	
16187.00	90.460	151.290	7984.65	6463.65	8794.28	-5684.78	6735.96	1742307.50	391931.15	39°34'20.9279"N	80°24'50.9956"W	8814.19	130.162	0.04	0.00	-0.04	
16282.00	90.240	151.390	7984.07	6463.07	8884.97	-5768.14	6781.53	1742353.06	391847.79	39°34'20.1086"N	80°24'50.4030"W	8902.84	130.383	0.25	-0.23	0.11	
16377.00	90.580	151.190	7983.39	6462.39	8975.68	-5851.45	6827.16	1742398.70	391764.47	39°34'19.2897"N	80°24'49.8094"W	8991.64	130.599	0.42	0.36	-0.21	
16471.00	90.370	153.290	7982.61	6461.61	9064.96	-5934.63	6870.94	1742442.48	391681.29	39°34'18.4721"N	80°24'49.2395"W	9079.08	130.818	2.25	-0.22	2.23	
16566.00	90.240	153.060	7982.10	6461.10	9154.69	-6019.40	6913.81	1742485.35	391596.52	39°34'17.6385"N	80°24'48.6811"W	9167.00	131.044	0.28	-0.14	-0.24	
16661.00	90.270	153.370	7981.68	6460.68	9244.41	-6104.21	6956.62	1742528.16	391511.71	39°34'16.8047"N	80°24'48.1234"W	9255.05	131.266	0.33	0.03	0.33	
16756.00	90.150	154.510	7981.33	6460.33	9333.72	-6189.55	6998.35	1742569.89	391426.37	39°34'15.9654"N	80°24'47.5794"W	9342.78	131.490	1.21	-0.13	1.20	
16851.00	90.460	154.380	7980.82	6459.82	9422.74	-6275.25	7039.33	1742610.87	391340.67	39°34'15.1225"N	80°24'47.0449"W	9430.33	131.716	0.35	0.33	-0.14	
16946.00	90.430	154.120	7980.09	6459.09	9511.87	-6360.82	7080.60	1742652.14	391255.11	39°34'14.2810"N	80°24'46.5068"W	9518.14	131.935	0.28	-0.03	-0.27	
17041.00	90.610	154.300	7979.22	6458.22	9601.03	-6446.35	7121.94	1742693.47	391169.57	39°34'13.4398"N	80°24'45.9679"W	9606.11	132.150	0.27	0.19	0.19	
17136.00	90.360	154.470	7978.42	6457.42	9690.08	-6532.01	7163.00	1742734.54	391083.91	39°34'12.5973"N	80°24'45.4324"W	9694.11	132.362	0.32	-0.26	0.18	
17231.00	90.430	153.960	7977.77	6456.77	9779.24	-6617.55	7204.33	1742775.86	390998.37	39°34'11.7560"N	80°24'44.8936"W	9782.35	132.569	0.54	0.07	-0.54	
17326.00	90.770	154.930	7976.77	6455.77	9868.25	-6703.25	7245.31	1742816.84	390912.67	39°34'10.9131"N	80°24'44.3592"W	9870.56	132.775	1.08	0.36	1.02	
17421.00	90.210	153.630	7975.96	6454.96	9957.37	-6788.83	7286.53	1742858.07	390827.09	39°34'10.0714"N	80°24'43.8217"W	9959.01	132.975	1.49	-0.59	-1.37	

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Actual Wellpath Report

Radcliff 18H ST01 Proj: 17962'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Radcliff 18H
Field	Marion	API/Legal	
Facility	Radcliff Pad	Wellbore	Radcliff 18H ST01
Slot	Slot 18	Sidetrack from	Radcliff 18H at 8403.00 MD

WELLPATH DATA (217 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17516.00	90.730	153.600	7975.18	6454.18	10046.86	-6873.93	7328.75	1742900.28	390741.99	39°34'9.2346"N	80°24'43.2716"W	10047.96	133.166	0.55	0.55	-0.03	
17611.00	90.460	154.270	7974.19	6453.19	10136.17	-6959.27	7370.49	1742942.02	390656.66	39°34'8.3954"N	80°24'42.7275"W	10136.84	133.356	0.76	-0.28	0.71	
17706.00	90.180	153.470	7973.66	6452.66	10225.52	-7044.56	7412.32	1742983.86	390571.37	39°34'7.5567"N	80°24'42.1822"W	10225.87	133.543	0.89	-0.29	-0.84	
17801.00	90.030	153.740	7973.49	6452.49	10315.02	-7129.65	7454.56	1743026.09	390486.27	39°34'6.7199"N	80°24'41.6319"W	10315.15	133.724	0.33	-0.16	0.28	
17895.00	90.000	152.800	7973.46	6452.46	10403.76	-7213.61	7496.84	1743068.37	390402.32	39°34'5.8944"N	80°24'41.0811"W	10403.78	133.897	1.00	-0.03	-1.00	
17937.00	89.810	153.170	7973.53	6452.53	10443.48	-7251.02	7515.91	1743087.45	390364.90	39°34'5.5265"N	80°24'40.8327"W	10443.48	133.972	0.99	-0.45	0.88	Final Surveys
17962.00†	89.810	153.170	7973.62	6452.62	10467.09	-7273.33	7527.20	1743098.73	390342.59	39°34'5.3071"N	80°24'40.6857"W	10467.09	134.017	0.00	0.00	0.00	Projection to TD

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Radcliff 18H ST01 T1	7945.00	312.20	3608.47	1739180.01	397928.11	39°35'19.8812"N	80°25'31.7230"W	point
Radcliff 18H ST01 T2	7945.00	-7273.07	7527.82	1743099.35	390342.85	39°34'5.3098"N	80°24'40.6779"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radcliff 18H ST01 Ref Wellpath: Radcliff 18H ST01 Proj: 17962'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1250.00	BH Generic gyro - continuous (Standard)	01 Gyro	Radcliff 18H	2/22/2024
1250.00	3106.00	OWSG MWD rev2 - Standard	02 SDI MWD	Radcliff 18H	2/22/2024
3106.00	8403.00	OWSG MWD rev2 - Standard	03 SDI MWD	Radcliff 18H	3/2/2024
8403.00	17962.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (8489-17937)	Radcliff 18H ST01	4/21/2024

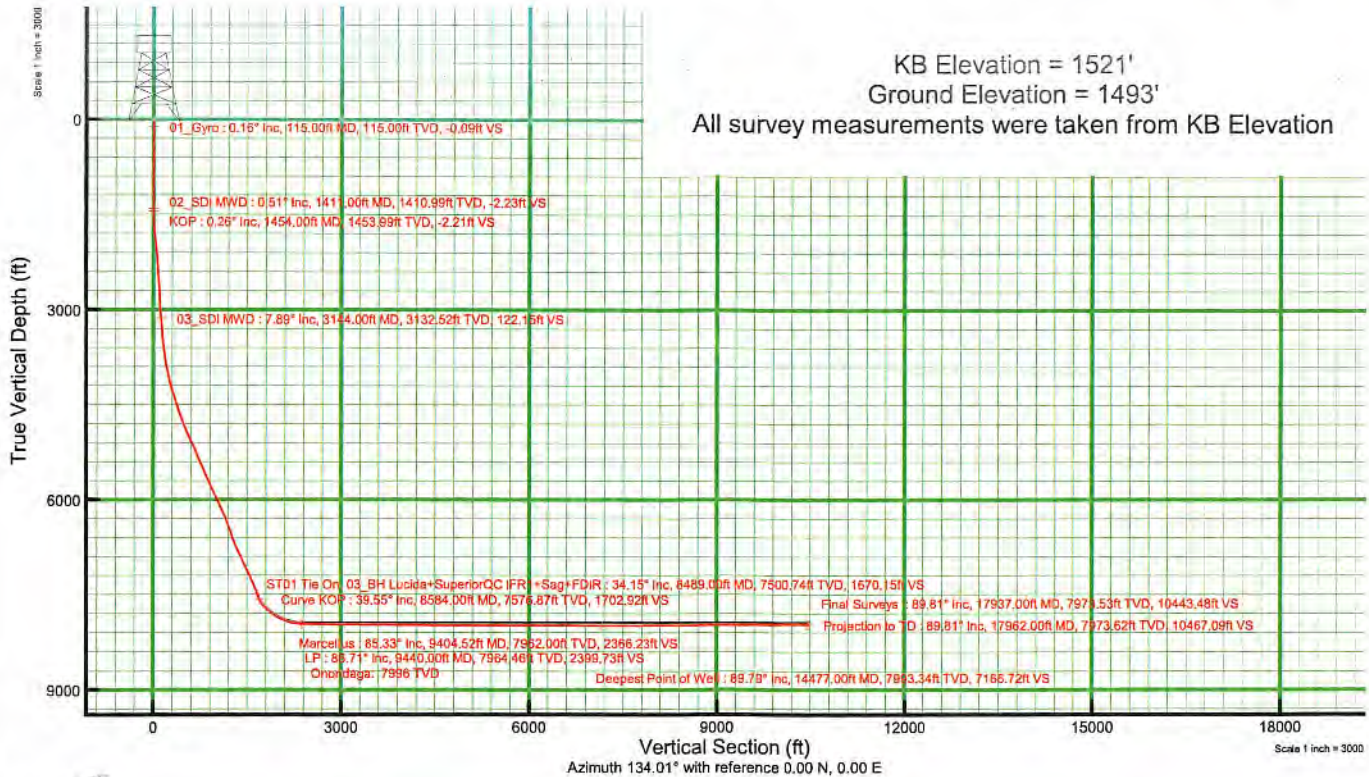
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EQT PRODUCTION COMPANY

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

Slot: Slot 18
Well: Radcliff 18H
Wellbore: Radcliff 18H ST01



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Surface Location
Grid East (US ft) Grid North (US ft) Latitude/Longitude
1735571.55397615.9139.587896-80.4382702

KOP
MD (ft) INC (°) AZM (°) TVD (ft) NorthEast Grid East (US ft) Grid North (US ft) Latitude/Longitude
14540.2685.921453.993.850.651735572.2397619.7639.5879066-80.438268

Curve KOP
MD (ft) INC (°) AZM (°) TVD (ft) NorthEast Grid East (US ft) Grid North (US ft) Latitude/Longitude
848934.1571.727500.74727.633025.341738596.88398343.5439.5893789-80.4275628

Landing Point
MD (ft) INC (°) AZM (°) TVD (ft) NorthEast Grid East (US ft) Grid North (US ft) Latitude/Longitude
944086.71154.027864.58303.363628.221736201.47397919.339.5838823-80.4254022

Bottom Hole Location
MD (ft) INC (°) AZM (°) TVD (ft) NorthEast Grid East (US ft) Grid North (US ft) Latitude/Longitude
1796289.81153.177973.62-7273.37527.21743085.73390342.5639.5661409-80.413016



User specified Dip: 66.38° Field: 51457.2 nT
Magnetic North is 8.76 degrees West of True North (at 4/14/2024)
Grid North is 0.00 degrees West of True North
To convert azimuth from True to Grid add 0.00 degrees
To convert azimuth from Magnetic to Grid subtract 8.76 degrees

04/11/2025