



Actual Wellpath Report

Breckenridge S-7HM AWP Proj: 20284'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-7HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02428-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWB
Slot	Slot #07		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999613	Report Generated	11/20/2024 at 9:44:31 AM
Convergence at slot	0.24° East	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	16.25	-70.30	1745138.12	14465168.71	39°49'49.1849"N	80°37'37.1457"W
Facility Reference Pt			1745208.39	14465152.47	39°49'49.0215"N	80°37'36.2455"W
Field Reference Pt			1640416.67	14526733.48	40°00'0.0000"N	81°00'0.0000"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 294 (RKB) to Facility Vertical Datum	1398.00ft
Horizontal Reference Pt	Slot	Patterson 294 (RKB) to Mean Sea Level	1398.00ft
Vertical Reference Pt	Patterson 294 (RKB)	Patterson 294 (RKB) to Ground Level at Slot (Slot #07)	28.00ft
MD Reference Pt	Patterson 294 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	164.56°

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Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWP
Slat	Slat #07		

WELLPATH DATA (232 stations) † = interpolated, ‡ = extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sact (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00†	0.000	261.010	0.00	0.00	0.00	0.00	1745138.12	14465168.71	39°49'49.1849"N	80°37'37.1457"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	261.010	28.00	0.00	0.00	0.00	1745138.12	14465168.71	39°49'49.1849"N	80°37'37.1457"W	0.00	0.000	0.00	0.00	0.00
115.00	0.270	261.010	115.00	-0.02	-0.03	-0.20	1745137.92	14465168.68	39°49'49.1846"N	80°37'37.1483"W	0.20	261.010	0.31	0.31	0.00
215.00	0.380	310.520	215.00	-0.32	0.15	-0.69	1745137.43	14465168.86	39°49'49.1864"N	80°37'37.1545"W	0.70	282.041	0.29	0.11	-40.51
315.00	0.220	251.700	315.00	-0.59	0.30	-1.12	1745137.00	14465169.01	39°49'49.1879"N	80°37'37.1601"W	1.18	285.059	0.33	-0.16	-60.82
415.00	0.240	214.610	415.00	-0.45	0.07	-1.42	1745136.70	14465168.78	39°49'49.1856"N	80°37'37.1639"W	1.42	272.781	0.15	0.02	-37.09
515.00	0.210	189.200	515.00	-0.14	-0.28	-1.57	1745136.55	14465168.43	39°49'49.1822"N	80°37'37.1659"W	1.60	259.748	0.10	-0.03	-29.41
615.00	0.190	165.430	614.99	0.19	-0.63	-1.56	1745136.56	14465168.08	39°49'49.1788"N	80°37'37.1657"W	1.68	248.134	0.08	-0.02	-23.77
715.00	0.430	39.210	714.99	0.14	-0.50	-1.28	1745136.84	14465168.21	39°49'49.1801"N	80°37'37.1621"W	1.37	248.844	0.56	0.24	-126.22
815.00	0.570	35.370	814.99	-0.39	0.20	-0.75	1745137.37	14465168.91	39°49'49.1869"N	80°37'37.1554"W	0.78	284.921	0.14	0.14	-3.84
915.00	0.330	2.950	914.99	-0.98	0.89	-0.45	1745137.67	14465169.60	39°49'49.1938"N	80°37'37.1514"W	1.00	333.192	0.34	-0.24	-32.42
1015.00	0.410	343.230	1014.99	-1.61	1.52	-0.54	1745137.58	14465170.23	39°49'49.2000"N	80°37'37.1525"W	1.62	340.484	0.15	0.08	-19.72
1115.00	0.880	337.430	1114.98	-2.73	2.58	-0.94	1745137.18	14465171.29	39°49'49.2104"N	80°37'37.1576"W	2.74	339.987	0.47	0.47	-5.80
1215.00	1.200	351.410	1214.96	-4.53	4.32	-1.39	1745136.73	14465173.03	39°49'49.2277"N	80°37'37.1633"W	4.54	342.173	0.41	0.32	13.98
1315.00	0.990	338.650	1314.94	-8.43	6.16	-1.86	1745138.26	14465174.87	39°49'49.2459"N	80°37'37.1692"W	6.44	343.197	0.32	-0.21	-12.76
1415.00	1.040	353.220	1414.93	-8.19	7.87	-2.28	1745135.84	14465176.57	39°49'49.2627"N	80°37'37.1745"W	8.19	343.823	0.26	0.05	14.57
1515.00	1.140	356.980	1514.91	-10.06	9.76	-2.44	1745135.68	14465178.47	39°49'49.2815"N	80°37'37.1765"W	10.06	345.957	0.12	0.10	5.78
1615.00	1.290	357.470	1614.89	-12.13	11.88	-2.54	1745135.58	14465180.58	39°49'49.3024"N	80°37'37.1777"W	12.15	347.914	0.15	0.15	-0.49
1715.00	1.180	354.330	1714.86	-14.22	14.01	-2.69	1745135.43	14465182.72	39°49'49.3235"N	80°37'37.1795"W	14.27	349.119	0.15	-0.13	-3.14
1815.00	1.130	340.490	1814.85	-16.20	15.95	-3.12	1745135.00	14465184.65	39°49'49.3426"N	80°37'37.1849"W	16.25	348.921	0.28	-0.03	-13.84
1915.00	1.080	341.210	1914.83	-18.13	17.77	-3.76	1745134.37	14465186.47	39°49'49.3607"N	80°37'37.1929"W	18.16	348.066	0.05	-0.05	0.72
2015.00	0.740	336.600	2014.81	-19.71	19.25	-4.32	1745133.81	14465187.96	39°49'49.3754"N	80°37'37.2000"W	19.73	347.367	0.35	-0.34	-1.61
2115.00	0.940	345.440	2114.80	-21.17	20.64	-4.78	1745133.34	14465189.34	39°49'49.3891"N	80°37'37.2058"W	21.19	346.966	0.24	0.20	8.84
2215.00	1.340	346.400	2214.78	-23.16	22.57	-5.26	1745132.86	14465191.27	39°49'49.4082"N	80°37'37.2119"W	23.18	346.883	0.40	0.40	0.99
2240.00	1.300	339.850	2248.77	-23.94	23.32	-5.49	1745132.64	14465192.02	39°49'49.4156"N	80°37'37.2148"W	23.96	346.762	0.40	-0.12	-19.26
2379.00	1.260	340.340	2378.74	-26.83	26.05	-6.47	1745131.65	14465194.75	39°49'49.4426"N	80°37'37.2275"W	26.84	346.042	0.03	-0.03	0.38
2422.00	1.390	340.080	2421.73	-27.82	26.99	-6.81	1745131.31	14465195.68	39°49'49.4519"N	80°37'37.2316"W	27.83	345.834	0.30	0.30	-0.60
2465.00	1.460	344.660	2464.72	-28.82	27.86	-7.38	1745130.74	14465196.56	39°49'49.4605"N	80°37'37.2388"W	28.82	345.166	1.47	0.16	-59.12
2508.00	1.800	272.410	2507.70	-29.50	28.27	-8.44	1745129.68	14465196.97	39°49'49.4647"N	80°37'37.2524"W	29.51	343.374	2.83	0.79	-98.26
2552.00	2.930	244.950	2551.66	-29.53	27.83	-10.15	1745127.97	14465198.53	39°49'49.4603"N	80°37'37.2743"W	29.62	339.956	3.57	2.57	-62.41

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Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWP
Slot	Slot #07		

WELLPATH DATA (232 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 [°]	DL5 [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
2595.00	4.070	234.030	2594.58	-28.81	26.47	-12.38	1745125.74	14465195.17	39°49'49.4470"N	80°37'37.3030"W	29.22	334.925	3.06	2.65	-29.40
2638.00	5.750	231.910	2637.42	-27.44	24.24	-15.31	1745122.81	14465192.94	39°49'49.4251"N	80°37'37.3407"W	28.67	327.717	3.93	3.91	-31.53
2681.00	7.380	236.470	2680.14	-25.76	21.39	-19.31	1745118.82	14465190.09	39°49'49.3970"N	80°37'37.3921"W	28.81	317.918	3.98	3.79	-10.60
2724.00	9.010	238.770	2722.70	-23.98	18.11	-24.49	1745113.64	14465186.82	39°49'49.3649"N	80°37'37.4587"W	30.46	306.485	3.87	3.79	-5.35
2767.00	10.180	238.820	2765.10	-22.03	14.40	-30.62	1745107.51	14465183.11	39°49'49.3285"N	80°37'37.5375"W	33.84	295.186	2.72	2.72	-0.12
2810.00	11.420	242.190	2807.34	-20.09	10.45	-37.64	1745100.49	14465179.15	39°49'49.2897"N	80°37'37.6276"W	39.06	285.513	3.23	2.88	-2.84
2854.00	12.880	247.250	2850.35	-18.53	6.52	-46.01	1745092.13	14465175.23	39°49'49.2512"N	80°37'37.7351"W	46.47	278.067	4.07	3.27	-11.58
2897.00	14.390	251.330	2892.14	-17.62	2.96	-55.48	1745082.66	14465171.67	39°49'49.2164"N	80°37'37.8567"W	55.56	273.054	4.20	3.56	-9.49
2940.00	15.920	255.140	2933.65	-17.38	-0.26	-66.25	1745071.90	14465168.45	39°49'49.1850"N	80°37'37.9949"W	66.25	269.772	4.24	3.56	-8.04
2983.00	17.400	254.890	2974.84	-17.48	-3.45	-78.16	1745059.99	14465165.26	39°49'49.1540"N	80°37'38.1477"W	78.23	267.471	3.45	3.44	-0.50
3026.00	18.490	255.250	3015.75	-17.60	-6.86	-90.96	1745047.20	14465161.85	39°49'49.1208"N	80°37'38.3119"W	91.22	265.685	2.55	2.53	-0.84
3069.00	19.730	252.550	3056.38	-17.43	-10.78	-104.48	1745033.68	14465157.94	39°49'49.0827"N	80°37'38.4854"W	105.03	264.111	3.54	2.88	-3.28
3112.00	20.550	250.290	3096.75	-16.61	-15.50	-118.51	1745019.66	14465153.22	39°49'49.0366"N	80°37'38.6655"W	119.51	262.549	2.63	1.91	-5.26
3156.00	21.080	246.570	3137.88	-14.94	-21.25	-133.04	1745005.14	14465147.47	39°49'48.9804"N	80°37'38.8521"W	134.72	260.925	3.24	1.20	-8.45
3199.00	21.870	244.660	3177.89	-12.48	-27.75	-147.37	1744990.81	14465140.97	39°49'48.9167"N	80°37'39.0362"W	149.96	259.335	2.45	1.84	-4.44
3242.00	23.160	242.970	3217.62	-9.41	-35.02	-162.14	1744976.04	14465133.70	39°49'48.8455"N	80°37'39.2259"W	165.88	257.811	3.36	3.00	-3.93
3285.00	24.230	241.160	3256.99	-5.66	-43.12	-177.40	1744960.79	14465125.60	39°49'48.7660"N	80°37'39.4219"W	182.57	256.338	3.01	2.49	-4.21
3328.00	25.800	241.580	3295.96	-1.52	-51.83	-193.36	1744944.83	14465116.90	39°49'48.6806"N	80°37'39.6270"W	200.19	254.994	3.67	3.65	-0.98
3372.00	27.210	240.790	3335.33	3.03	-61.30	-210.57	1744927.64	14465107.43	39°49'48.5878"N	80°37'39.8480"W	219.31	253.769	3.30	3.20	-1.80
3415.00	28.830	239.580	3373.29	8.05	-71.35	-228.09	1744910.12	14465097.39	39°49'48.4892"N	80°37'40.0731"W	238.99	252.630	3.99	3.77	-2.81
3501.00	31.920	241.700	3447.48	18.47	-92.63	-266.00	1744872.23	14465076.12	39°49'48.2804"N	80°37'40.5602"W	281.67	250.800	3.80	3.59	-2.37
3587.00	32.900	244.240	3520.09	27.72	-113.56	-307.05	1744831.19	14465055.19	39°49'48.0753"N	80°37'41.0875"W	327.38	249.703	1.95	1.14	-2.95
3674.00	33.420	246.160	3592.92	35.45	-133.52	-350.25	1744788.01	14465035.25	39°49'47.8798"N	80°37'41.6423"W	374.84	249.133	1.35	0.60	-2.21
3760.00	34.880	247.310	3664.09	42.01	-152.57	-394.60	1744743.67	14465016.20	39°49'47.6933"N	80°37'42.2118"W	423.07	248.861	1.86	1.70	-1.34
3847.00	34.500	246.190	3735.62	48.74	-172.12	-440.10	1744698.20	14464996.66	39°49'47.5021"N	80°37'42.7959"W	472.55	248.640	0.85	-0.44	-1.29
3933.00	34.550	245.470	3806.48	56.14	-192.07	-484.56	1744653.75	14464976.71	39°49'47.3067"N	80°37'43.3670"W	521.24	248.377	0.48	0.06	-0.84
4019.00	36.650	245.410	3876.40	64.07	-212.88	-530.09	1744608.23	14464955.91	39°49'47.1029"N	80°37'43.9517"W	571.24	248.120	2.44	2.44	-0.07
4105.00	37.720	245.160	3944.92	72.45	-234.61	-577.31	1744561.04	14464934.19	39°49'46.8900"N	80°37'44.5580"W	623.16	247.883	1.26	1.24	-0.29
4191.00	36.870	246.570	4013.33	80.33	-255.93	-624.86	1744513.51	14464912.88	39°49'46.6814"N	80°37'45.1686"W	675.24	247.727	1.40	-0.99	-1.64
4278.00	35.310	247.990	4083.63	88.84	-275.73	-672.12	1744466.26	14464893.09	39°49'46.4876"N	80°37'45.7755"W	726.48	247.605	2.03	-1.78	-1.63

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Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWB
Slot	Slot #07		

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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)
4364.00	33.320	248.230	4154.66	92.29	-293.80	-717.10	1744421.30	14464875.02	39°49'46.3108"N	80°37'46.3530"W	774.96	247.721	2.32	-2.31	0.28
4451.00	32.250	247.960	4227.80	97.59	-311.38	-760.81	1744377.61	14464857.45	39°49'46.1389"N	80°37'46.9142"W	822.06	247.742	1.24	-1.23	-0.31
4537.00	32.070	245.630	4300.61	103.77	-329.41	-802.88	1744335.55	14464839.43	39°49'45.9625"N	80°37'47.4543"W	867.83	247.692	1.46	-0.21	-2.71
4623.00	31.500	242.590	4373.72	111.96	-349.18	-843.62	1744294.83	14464819.67	39°49'45.7688"N	80°37'47.9776"W	913.03	247.515	1.98	-0.66	-3.53
4710.00	31.220	240.290	4440.01	122.25	-370.81	-883.38	1744255.08	14464798.04	39°49'45.5566"N	80°37'48.4884"W	958.08	247.229	1.41	-0.32	-2.64
4796.00	31.340	240.080	4521.51	133.33	-393.02	-922.13	1744216.35	14464775.85	39°49'45.3387"N	80°37'48.9862"W	1002.39	246.916	0.19	0.14	-0.24
4883.00	31.080	239.880	4595.92	144.68	-415.57	-961.16	1744177.33	14464753.30	39°49'45.1175"N	80°37'49.4877"W	1047.15	246.618	0.32	-0.30	-0.23
4960.00	30.970	239.680	4661.90	154.81	-435.54	-995.45	1744143.05	14464733.34	39°49'44.9214"N	80°37'49.9283"W	1086.57	246.369	0.20	-0.14	-0.26
5046.00	32.700	240.050	4734.96	166.31	-458.31	-1034.69	1744103.84	14464710.57	39°49'44.6980"N	80°37'50.4324"W	1131.65	246.109	2.02	2.01	0.43
5132.00	33.670	240.880	4806.94	177.77	-481.51	-1075.64	1744062.90	14464687.38	39°49'44.4704"N	80°37'50.9586"W	1178.50	245.884	1.25	1.13	0.97
5219.00	34.650	242.840	4878.93	188.50	-504.54	-1118.72	1744019.84	14464664.37	39°49'44.2446"N	80°37'51.5119"W	1227.23	245.725	1.69	1.13	2.25
5305.00	35.650	244.850	4949.25	197.69	-526.35	-1163.16	1743975.41	14464642.56	39°49'44.0309"N	80°37'52.0827"W	1276.71	245.652	1.78	1.18	2.34
5391.00	35.170	244.890	5019.34	206.08	-547.52	-1208.27	1743930.32	14464621.41	39°49'43.8236"N	80°37'52.6621"W	1326.53	245.623	0.56	-0.56	0.05
5478.00	35.070	245.150	5090.50	214.37	-568.65	-1253.64	1743884.97	14464600.28	39°49'43.6165"N	80°37'53.2447"W	1376.58	245.601	0.21	-0.11	0.50
5565.00	35.000	245.750	5161.74	222.28	-589.40	-1299.07	1743839.56	14464579.54	39°49'43.4133"N	80°37'53.8281"W	1426.53	245.596	0.40	-0.08	0.69
5651.00	35.270	247.060	5232.07	229.30	-609.21	-1344.42	1743794.22	14464559.74	39°49'43.2194"N	80°37'54.4105"W	1476.01	245.623	0.93	0.31	1.52
5737.00	36.250	246.860	5301.85	235.95	-628.88	-1390.67	1743747.99	14464540.07	39°49'43.0269"N	80°37'55.0043"W	1526.26	245.667	1.15	1.14	-0.33
5824.00	36.250	246.970	5372.02	242.79	-649.05	-1438.00	1743700.68	14464519.91	39°49'42.8295"N	80°37'55.6119"W	1577.69	245.708	0.07	0.00	0.15
5910.00	34.980	248.450	5441.93	248.77	-668.06	-1484.33	1743654.37	14464500.91	39°49'42.6436"N	80°37'56.2068"W	1627.74	245.769	1.78	-1.48	1.72
5997.00	33.530	251.420	5513.84	252.74	-684.87	-1530.30	1743608.41	14464484.10	39°49'42.4792"N	80°37'56.7970"W	1676.57	245.890	2.54	-1.87	3.41
6083.00	31.610	250.830	5586.31	255.51	-699.84	-1574.11	1743564.62	14464469.14	39°49'42.3331"N	80°37'57.3593"W	1722.67	246.030	2.26	-2.23	-0.89
6170.00	30.570	248.750	5660.82	259.24	-715.35	-1616.27	1743522.48	14464453.64	39°49'42.1815"N	80°37'57.9004"W	1767.50	246.126	1.72	-1.20	-2.39
6256.00	30.680	245.150	5734.83	265.04	-732.50	-1656.56	1743482.20	14464436.50	39°49'42.0137"N	80°37'58.4178"W	1811.28	246.146	2.14	0.13	-4.19
6342.00	30.980	244.540	5808.88	272.48	-751.23	-1696.46	1743442.33	14464417.77	39°49'41.8302"N	80°37'58.9301"W	1855.35	246.115	0.50	0.35	-0.71
6429.00	30.410	247.210	5883.49	279.19	-769.39	-1736.97	1743401.82	14464399.62	39°49'41.6524"N	80°37'59.4504"W	1899.75	246.109	1.70	-0.66	3.07
6515.00	30.740	248.110	5957.53	284.44	-786.01	-1777.44	1743361.38	14464383.00	39°49'41.4897"N	80°37'59.9699"W	1943.48	246.144	0.66	0.38	1.08
6602.00	31.740	252.760	6031.93	287.68	-801.09	-1819.93	1743318.90	14464367.93	39°49'41.3425"N	80°38'0.5154"W	1988.44	246.242	3.00	1.15	5.36
6688.00	34.240	256.520	6104.06	287.54	-813.44	-1865.07	1743273.77	14464355.59	39°49'41.2223"N	80°38'1.0947"W	2034.74	246.436	3.76	2.91	4.37
6775.00	34.350	263.800	6175.97	282.85	-821.88	-1913.29	1743225.58	14464347.15	39°49'41.1408"N	80°38'1.7131"W	2082.34	246.753	4.59	0.13	8.14
6861.00	34.440	271.120	6246.96	272.10	-824.11	-1961.73	1743177.15	14464344.92	39°49'41.1207"N	80°38'2.3342"W	2127.81	247.213	4.94	0.10	8.74

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Breckenridge S-7HM AWP Proj: 20284'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-7HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02428-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWP
Slur	Slot #07		

WELLPATH DATA (232 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 [°]	DL5 [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
6948.00	34.210	275.280	6318.82	256.43	-821.38	-2010.69	1743128.21	14464347.65	39°49'41.1497"N	80°38'2.9615"W	2171.99	247.780	2.71	-0.26	-1.76
6995.00	34.040	276.030	6357.73	246.94	-818.78	-2036.93	1743101.98	14464350.25	39°49'41.1764"N	80°38'3.2977"W	2195.33	248.101	0.97	-0.36	-1.69
7047.00	33.030	275.680	6401.08	236.51	-815.85	-2065.51	1743073.42	14464353.18	39°49'41.2065"N	80°38'3.6638"W	2220.79	248.447	1.98	-1.04	-1.67
7142.00	30.300	257.190	6482.12	226.05	-818.61	-2114.77	1743024.18	14464350.42	39°49'41.1812"N	80°38'4.2953"W	2267.68	248.839	10.57	-2.87	-10.46
7237.00	33.320	236.160	6563.09	233.21	-838.52	-2159.96	1742979.01	14464330.52	39°49'40.9863"N	80°38'4.8756"W	2317.01	248.783	12.04	3.18	-22.14
7332.00	37.330	221.690	6640.72	257.13	-874.64	-2200.87	1742938.10	14464294.41	39°49'40.6310"N	80°38'5.4020"W	2368.30	248.327	9.74	4.22	-15.23
7427.00	30.840	208.790	6715.10	294.64	-922.90	-2234.75	1742904.24	14464246.17	39°49'40.1554"N	80°38'5.8387"W	2417.82	247.560	8.86	2.64	-13.59
7521.00	43.850	198.600	6785.19	343.27	-980.24	-2259.67	1742879.33	14464188.85	39°49'39.5898"N	80°38'6.1612"W	2463.13	246.549	8.39	4.27	-10.84
7616.00	49.900	188.470	6850.15	403.93	-1047.56	-2275.56	1742863.44	14464121.56	39°49'38.9252"N	80°38'6.3683"W	2505.11	245.281	10.09	6.43	-10.64
7711.00	57.810	178.580	6906.19	476.40	-1123.95	-2279.94	1742859.07	14464045.19	39°49'38.1703"N	80°38'6.4284"W	2541.93	243.758	11.78	8.26	-10.41
7805.00	65.710	169.250	6950.71	557.96	-1206.07	-2270.93	1742868.07	14463983.11	39°49'37.3584"N	80°38'6.3173"W	2571.33	242.028	12.12	8.40	-9.93
7900.00	73.530	163.770	6983.79	646.85	-1292.54	-2250.08	1742888.92	14463876.68	39°49'36.5031"N	80°38'6.0545"W	2594.90	240.125	9.85	8.23	-5.77
7995.00	81.100	159.950	7004.85	739.34	-1380.52	-2221.21	1742917.78	14463788.73	39°49'35.6325"N	80°38'5.6890"W	2615.26	238.138	8.88	7.97	-4.02
8089.00	88.800	159.350	7014.50	832.44	-1468.13	-2188.71	1742950.26	14463701.16	39°49'34.7654"N	80°38'5.2771"W	2635.50	236.147	6.16	6.13	-0.64
8183.00	88.800	157.900	7019.70	925.79	-1555.52	-2154.50	1742984.46	14463613.79	39°49'33.9003"N	80°38'4.8433"W	2657.35	234.171	1.54	-0.06	-1.54
8278.00	87.750	157.950	7024.21	1020.05	-1643.46	-2118.84	1743020.10	14463525.89	39°49'33.0298"N	80°38'4.3908"W	2681.50	232.201	1.00	1.00	0.05
8372.00	88.370	157.920	7027.40	1113.37	-1730.52	-2083.55	1743055.38	14463438.86	39°49'32.1680"N	80°38'3.9430"W	2708.48	230.288	0.66	0.66	-0.09
8467.00	88.620	157.370	7029.89	1207.64	-1818.35	-2047.43	1743091.49	14463351.07	39°49'31.2985"N	80°38'3.4847"W	2738.32	228.391	0.64	0.26	-0.58
8561.00	88.620	157.670	7032.16	1300.91	-1905.18	-2011.50	1743127.41	14463264.27	39°49'30.4389"N	80°38'3.0287"W	2770.53	226.555	0.32	0.00	0.32
8656.00	88.740	157.820	7034.34	1395.21	-1993.08	-1975.53	1743163.36	14463176.40	39°49'29.5688"N	80°38'2.5723"W	2806.26	224.747	0.20	0.13	0.16
8750.00	88.860	157.240	7036.46	1488.48	-2079.93	-1939.61	1743199.26	14463089.59	39°49'28.7091"N	80°38'2.1165"W	2843.97	223.001	0.62	-0.06	-0.06
8845.00	88.590	157.490	7038.73	1582.70	-2167.58	-1903.06	1743235.80	14463001.97	39°49'27.8414"N	80°38'1.6526"W	2884.45	221.282	0.28	-0.11	0.26
8939.00	88.550	157.880	7041.09	1676.00	-2254.52	-1867.38	1743271.47	14462915.07	39°49'26.9808"N	80°38'1.1998"W	2927.45	219.634	0.42	-0.03	0.41
9033.00	89.940	155.670	7042.32	1769.12	-2340.88	-1830.32	1743308.52	14462828.74	39°49'26.1258"N	80°38'0.7294"W	2971.50	218.022	2.78	1.48	-2.39
9127.00	89.410	156.880	7042.86	1862.13	-2426.94	-1792.50	1743346.32	14462742.72	39°49'25.2739"N	80°38'0.2492"W	3017.13	216.449	1.41	-0.56	-1.29
9222.00	89.630	156.880	7043.65	1956.29	-2514.34	-1755.28	1743383.52	14462655.35	39°49'24.4086"N	80°37'59.7768"W	3066.42	214.919	0.26	0.23	0.12
9317.00	89.690	157.800	7044.22	2050.54	-2602.04	-1718.77	1743420.02	14462567.69	39°49'23.5404"N	80°37'59.3134"W	3118.45	213.447	0.85	0.06	0.55
9411.00	89.600	157.730	7044.80	2143.88	-2689.05	-1683.20	1743455.58	14462480.71	39°49'22.6791"N	80°37'58.8621"W	3172.40	212.044	0.12	-0.10	-0.07
9506.00	88.310	157.560	7046.53	2238.17	-2776.89	-1647.07	1743491.69	14462392.90	39°49'21.8095"N	80°37'58.4037"W	3228.62	210.674	1.37	-1.26	-0.18
9601.00	87.570	158.090	7049.95	2332.46	-2864.81	-1611.24	1743527.51	14462305.02	39°49'20.9392"N	80°37'57.9491"W	3286.82	209.354	0.86	-0.78	0.56

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-7HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02428-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWP
Slot	Slot #07		

WELLPATH DATA (232 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)
9097.00	86.970	157.420	7055.02	2427.64	-2953.53	-1574.95	1743563.79	14462216.33	39°49'20.0609"N	80°37'57.4886"W	3347.21	208.068	1.43	-1.29	-0.00
9792.00	86.890	158.340	7060.61	2521.83	-3041.39	-1539.24	1743599.48	14462128.51	39°49'19.1912"N	80°37'57.0356"W	3408.71	206.844	1.11	0.53	-0.05
9887.00	86.770	157.690	7055.86	2616.07	-3129.35	-1503.73	1743634.98	14462040.58	39°49'18.3205"N	80°37'56.5851"W	3471.89	205.665	0.69	-0.13	-0.08
9982.00	86.740	158.310	7071.24	2710.30	-3217.29	-1468.20	1743670.49	14461952.68	39°49'17.4500"N	80°37'56.1344"W	3536.46	204.529	0.65	-0.03	-0.10
10077.00	87.910	158.170	7075.67	2804.82	-3305.42	-1433.02	1743705.66	14461864.58	39°49'16.5776"N	80°37'55.6881"W	3602.68	203.438	1.24	1.23	-0.15
10171.00	87.690	158.210	7079.28	2897.97	-3392.63	-1398.12	1743740.54	14461777.40	39°49'15.7144"N	80°37'55.2455"W	3669.42	202.397	0.24	-0.23	-0.10
10266.00	88.640	158.820	7082.32	2992.39	-3480.98	-1363.34	1743775.31	14461689.09	39°49'14.8398"N	80°37'54.8044"W	3738.44	201.386	1.19	1.00	-0.04
10360.00	88.770	158.120	7084.45	3085.83	-3568.40	-1328.86	1743809.78	14461601.70	39°49'13.9745"N	80°37'54.3671"W	3807.80	200.425	0.76	0.14	-0.70
10455.00	88.740	157.700	7086.51	3180.17	-3656.40	-1293.14	1743845.49	14461513.73	39°49'13.1033"N	80°37'53.9139"W	3878.34	199.477	0.44	-0.03	-0.40
10549.00	88.830	158.600	7088.50	3273.56	-3743.83	-1258.16	1743880.45	14461426.54	39°49'12.2399"N	80°37'53.4703"W	3949.40	198.577	0.96	0.10	-0.06
10643.00	88.880	159.370	7090.40	3367.10	-3831.36	-1224.46	1743914.14	14461338.84	39°49'11.3715"N	80°37'53.0430"W	4022.26	197.723	0.82	0.03	-0.82
10738.00	88.950	158.270	7092.21	3461.60	-3919.92	-1190.14	1743948.44	14461250.31	39°49'10.4949"N	80°37'52.6079"W	4096.61	196.889	1.16	0.09	-1.10
10832.00	88.050	157.990	7093.94	3555.00	-4007.14	-1155.13	1743983.44	14461163.13	39°49'9.6315"N	80°37'52.1638"W	4170.32	196.081	0.30	0.00	-0.30
10926.00	88.010	158.010	7095.61	3648.36	-4094.29	-1119.93	1744018.63	14461076.02	39°49'8.7689"N	80°37'51.7172"W	4244.69	195.298	0.07	0.06	-0.02
11021.00	88.040	157.790	7097.23	3742.71	-4182.29	-1084.19	1744054.35	14460988.05	39°49'7.8977"N	80°37'51.2639"W	4320.54	194.533	0.23	0.03	-0.23
11115.00	89.070	158.090	7098.78	3836.07	-4269.40	-1048.89	1744089.64	14460900.97	39°49'7.0354"N	80°37'50.8161"W	4396.36	193.803	0.32	0.03	-0.32
11210.00	88.800	157.990	7100.49	3930.44	-4357.49	-1013.37	1744125.14	14460812.91	39°49'6.1634"N	80°37'50.3655"W	4473.77	193.092	0.24	-0.22	-0.10
11305.00	88.980	157.810	7102.31	4024.78	-4445.50	-977.64	1744160.87	14460724.95	39°49'5.2922"N	80°37'49.9122"W	4551.73	192.403	0.21	0.09	-0.19
11400.00	89.010	157.600	7104.00	4119.09	-4533.38	-941.60	1744196.89	14460637.10	39°49'4.4222"N	80°37'49.4551"W	4630.13	191.734	0.23	0.00	-0.23
11494.00	88.800	157.800	7105.80	4212.40	-4620.33	-905.94	1744232.53	14460550.18	39°49'3.5614"N	80°37'49.0026"W	4708.31	191.094	0.31	-0.22	0.21
11589.00	88.020	157.960	7107.89	4306.73	-4708.32	-870.17	1744268.29	14460462.22	39°49'2.6904"N	80°37'48.5490"W	4788.06	190.471	0.21	0.13	-0.17
11684.00	88.920	158.220	7109.48	4401.11	-4796.45	-834.73	1744303.71	14460374.13	39°49'1.8181"N	80°37'48.0994"W	4868.54	189.872	0.27	0.00	-0.27
11779.00	89.250	158.260	7112.44	4589.93	-4872.89	-764.30	1744374.12	14460197.76	39°49'0.0715"N	80°37'47.2062"W	5031.28	188.736	0.20	0.19	-0.09
11874.00	88.500	158.390	7113.45	4684.37	-5061.16	-729.22	1744409.19	14460109.52	39°48'59.1977"N	80°37'46.7612"W	5113.43	188.199	0.26	0.23	-0.14
11969.00	89.470	157.550	7114.30	4778.78	-5149.32	-693.82	1744444.57	14460021.40	39°48'58.3251"N	80°37'46.3122"W	5195.85	187.674	0.57	-0.03	-0.57
12064.00	89.600	158.080	7115.06	4872.14	-5236.45	-658.55	1744479.83	14459934.30	39°48'57.4625"N	80°37'45.8649"W	5277.70	187.168	0.28	0.14	-0.24
12158.00	89.560	154.600	7115.76	4966.15	-5323.45	-620.43	1744517.93	14459847.34	39°48'56.6012"N	80°37'45.3811"W	5359.48	186.648	3.66	-0.04	-3.66
12347.00	89.580	151.950	7116.48	5058.32	-5407.40	-578.17	1744560.18	14459763.42	39°48'55.7699"N	80°37'44.8439"W	5438.22	186.103	2.82	0.00	-2.82
12442.00	89.640	149.120	7116.98	5150.47	-5490.10	-531.44	1744606.89	14459680.75	39°48'54.9506"N	80°37'44.2495"W	5515.76	185.529	2.99	0.29	-2.99
12537.00	89.900	149.610	7117.20	5242.15	-5571.84	-483.03	1744655.28	14459599.04	39°48'54.1408"N	80°37'43.6335"W	5592.74	184.955	0.52	0.06	-0.52

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Slot	Slot #07		

WELLPATH DATA (232 stations)

MB [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]
12630.00	89.160	149.180	7117.96	5331.91	-5651.88	-435.69	1744702.60	14459519.03	39°48'53.3479"N	80°37'43.0310"W	5668.65	184.408	0.92	-0.80	-0.80
12725.00	89.230	149.610	7119.29	5423.59	-5733.64	-387.33	1744750.95	14459437.30	39°48'52.5379"N	80°37'42.4156"W	5746.71	183.865	0.46	0.07	0.45
12820.00	89.330	149.190	7120.65	5515.28	-5815.40	-338.97	1744799.28	14459355.57	39°48'51.7279"N	80°37'41.8003"W	5825.27	183.336	0.45	-0.11	-0.64
12914.00	89.160	149.190	7122.06	5605.90	-5896.12	-290.83	1744847.40	14459274.88	39°48'50.9282"N	80°37'41.1877"W	5903.29	182.824	0.03	0.03	0.00
13009.00	89.260	149.570	7123.36	5697.58	-5977.87	-242.45	1744895.77	14459193.17	39°48'50.1183"N	80°37'40.5720"W	5982.79	182.323	0.41	0.11	0.40
13104.00	89.360	149.510	7124.49	5789.33	-6059.75	-194.29	1744943.90	14459111.32	39°48'49.3071"N	80°37'39.9593"W	6062.87	181.836	0.14	0.13	-0.06
13198.00	89.990	149.570	7125.01	5880.12	-6140.78	-146.64	1744991.54	14459030.32	39°48'48.5044"N	80°37'39.3530"W	6142.53	181.368	0.65	0.65	0.00
13293.00	89.810	149.470	7125.18	5971.86	-6222.65	-98.45	1745039.70	14458948.48	39°48'47.6934"N	80°37'38.7398"W	6223.43	180.906	0.22	-0.19	-0.11
13388.00	89.500	148.930	7125.75	6063.47	-6304.25	-49.81	1745088.33	14458866.92	39°48'46.8850"N	80°37'38.1208"W	6304.45	180.453	0.66	-0.33	-0.57
13482.00	89.220	148.130	7126.80	6153.80	-6384.42	-0.74	1745137.38	14458786.78	39°48'46.0907"N	80°37'37.4963"W	6384.42	180.007	0.90	-0.30	-0.80
13577.00	89.780	149.360	7127.63	6245.20	-6465.62	48.55	1745186.65	14458705.60	39°48'45.2861"N	80°37'36.8690"W	6465.81	179.570	1.42	0.59	1.29
13672.00	89.720	149.010	7128.04	6336.80	-6547.21	97.21	1745235.29	14458624.05	39°48'44.4778"N	80°37'36.2498"W	6547.93	179.149	0.37	-0.06	-0.37
13767.00	89.720	149.080	7128.50	6428.34	-6628.68	146.07	1745284.14	14458542.61	39°48'43.6707"N	80°37'35.6280"W	6630.29	178.738	0.07	0.00	0.07
13861.00	89.810	149.780	7128.89	6519.08	-6709.61	193.88	1745331.93	14458461.71	39°48'42.8639"N	80°37'35.0197"W	6712.41	178.345	0.75	0.10	0.74
13956.00	89.410	150.110	7129.54	6611.00	-6791.84	241.46	1745379.49	14458379.52	39°48'42.0543"N	80°37'34.4144"W	6796.13	177.964	0.55	-0.42	0.35
14051.00	89.650	149.870	7130.32	6702.94	-6874.10	288.97	1745426.98	14458297.29	39°48'41.2394"N	80°37'33.8100"W	6880.17	177.593	0.36	0.25	-0.25
14146.00	89.650	150.550	7130.90	6794.98	-6956.54	336.17	1745474.16	14458214.88	39°48'40.4227"N	80°37'33.2096"W	6964.66	177.233	0.72	0.00	0.72
14241.00	89.620	150.360	7131.50	6887.11	-7039.19	383.01	1745520.98	14458132.26	39°48'39.6040"N	80°37'32.6137"W	7049.60	176.886	0.20	-0.03	-0.20
14336.00	89.530	150.300	7132.21	6979.19	-7121.73	430.04	1745567.99	14458049.75	39°48'38.7863"N	80°37'32.0156"W	7134.70	176.544	0.11	-0.09	-0.06
14431.00	89.690	150.120	7132.85	7071.23	-7204.18	477.23	1745615.17	14457967.34	39°48'37.9696"N	80°37'31.4152"W	7219.96	176.210	0.25	-0.17	-0.18
14526.00	89.500	150.570	7133.52	7163.32	-7286.73	524.24	1745662.15	14457884.82	39°48'37.1518"N	80°37'30.8173"W	7305.56	175.885	0.51	-0.20	0.67
14621.00	89.690	150.030	7134.20	7255.39	-7369.25	571.30	1745709.20	14457802.33	39°48'36.3344"N	80°37'30.2186"W	7391.36	175.567	0.60	-0.20	-0.57
14716.00	89.680	150.510	7134.72	7347.45	-7451.74	618.41	1745756.29	14457719.87	39°48'35.5172"N	80°37'29.6194"W	7477.36	175.256	0.51	-0.01	0.51
14810.00	89.750	150.280	7135.19	7438.59	-7533.47	664.85	1745802.71	14457638.18	39°48'34.7076"N	80°37'29.0287"W	7562.75	174.957	0.26	-0.07	-0.24
14905.00	89.810	150.830	7135.55	7530.76	-7616.20	711.55	1745849.40	14457555.48	39°48'33.8881"N	80°37'28.4348"W	7649.36	174.663	0.58	0.06	0.58
15000.00	90.240	150.240	7135.51	7622.93	-7698.91	758.28	1745896.11	14457472.80	39°48'33.0688"N	80°37'27.8404"W	7736.16	174.375	0.77	0.45	-0.60
15095.00	90.360	150.490	7135.01	7715.03	-7781.48	805.26	1745943.06	14457390.26	39°48'32.2508"N	80°37'27.2429"W	7823.03	174.092	0.29	0.13	0.28
15190.00	90.820	148.830	7134.03	7807.04	-7863.88	852.52	1745990.31	14457307.89	39°48'31.4345"N	80°37'26.6417"W	7909.96	173.813	0.85	0.48	-0.69
15285.00	90.580	150.060	7132.87	7898.96	-7946.10	900.10	1746037.87	14457225.70	39°48'30.6200"N	80°37'26.0365"W	7996.92	173.537	0.35	-0.25	0.34
15379.00	90.580	150.290	7131.92	7990.00	-8027.65	946.85	1746084.80	14457144.18	39°48'29.8122"N	80°37'25.4419"W	8083.29	173.273	0.24	0.00	0.24

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Breckenridge S-7HM AWP Proj: 20284'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-7HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02428-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWB
Slot	Slot #07		

WELLPATH DATA (232 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 (°/100ft)
15473.00	90.760	150.260	7130.82	8081.09	-8109.27	993.45	1746131.19	14457062.60	39°48'29.0036"N	80°37'24.8491"W	8168.80	173.016	0.19	0.18	-0.12
15508.00	90.760	150.350	7129.56	8173.16	-8191.79	1040.51	1746178.22	14456980.11	39°48'28.1861"N	80°37'24.2506"W	8257.81	172.761	0.09	0.00	-0.00
15663.00	91.440	150.620	7127.76	8265.29	-8274.44	1087.30	1746225.00	14456897.49	39°48'27.3673"N	80°37'23.6554"W	8345.58	172.514	0.74	0.68	-0.06
16758.00	91.280	150.260	7125.53	8357.39	-8357.06	1134.16	1746271.84	14456814.91	39°48'26.5490"N	80°37'23.0595"W	8433.66	172.271	0.40	-0.14	-0.00
16853.00	91.130	150.090	7123.54	8449.39	-8439.45	1181.39	1746319.05	14456732.54	39°48'25.7327"N	80°37'22.4587"W	8521.74	172.031	0.24	-0.16	-0.02
16948.00	91.310	150.400	7121.51	8541.42	-8521.91	1228.53	1746366.17	14456650.12	39°48'24.9156"N	80°37'21.8591"W	8610.01	171.797	0.38	0.19	-0.33
16943.00	91.130	150.060	7119.48	8633.45	-8604.35	1275.69	1746413.31	14456567.71	39°48'24.0991"N	80°37'21.2593"W	8698.41	171.567	0.40	-0.19	-0.10
16137.00	90.700	150.080	7117.99	8724.45	-8685.81	1322.58	1746460.19	14456486.29	39°48'23.2922"N	80°37'20.6628"W	8785.93	171.342	0.46	-0.46	0.07
16327.00	89.810	150.370	7117.14	8908.53	-8850.72	1416.94	1746554.50	14456321.44	39°48'21.6585"N	80°37'19.4628"W	8863.42	170.905	0.49	-0.47	0.12
16422.00	89.870	150.350	7117.41	9000.62	-8933.29	1463.92	1746601.47	14456238.90	39°48'20.8405"N	80°37'18.8853"W	8952.44	170.694	0.07	0.06	-0.02
16517.00	88.570	149.260	7118.70	9092.48	-9015.39	1511.69	1746649.22	14456156.83	39°48'20.0272"N	80°37'18.2576"W	9141.25	170.481	1.79	-1.37	-1.13
16613.00	87.710	150.560	7121.82	9185.31	-9098.41	1559.80	1746697.31	14456073.85	39°48'19.2048"N	80°37'17.6457"W	9231.14	170.272	1.62	-0.90	-1.35
16707.00	87.980	150.790	7125.34	9276.49	-9180.30	1605.80	1746743.30	14455991.98	39°48'18.3935"N	80°37'17.0607"W	9319.60	170.078	0.39	0.30	0.23
16803.00	87.530	150.730	7129.10	9369.65	-9264.01	1652.66	1746790.13	14455908.31	39°48'17.5643"N	80°37'16.4648"W	9410.26	169.885	0.48	-0.48	-0.06
16897.00	87.740	150.450	7132.98	9460.79	-9345.82	1698.78	1746836.24	14455826.53	39°48'16.7539"N	80°37'15.8783"W	9498.98	169.698	0.37	0.22	-0.30
16992.00	88.300	150.070	7136.26	9552.79	-9428.26	1745.88	1746883.32	14455744.12	39°48'15.9372"N	80°37'15.2793"W	9588.54	169.509	0.71	0.59	-0.40
17086.00	88.390	150.460	7138.97	9643.85	-9509.85	1792.48	1746929.90	14455662.57	39°48'15.1289"N	80°37'14.6866"W	9677.30	169.326	0.43	0.10	-0.49
17181.00	89.160	150.850	7141.00	9736.04	-9592.64	1839.02	1746976.43	14455579.81	39°48'14.3088"N	80°37'14.0948"W	9767.33	169.147	0.91	0.81	-0.49
17275.00	89.310	150.280	7142.26	9827.24	-9674.50	1885.21	1747022.60	14455497.98	39°48'13.4979"N	80°37'13.5074"W	9856.47	168.973	0.63	0.16	-0.69
17369.00	89.360	150.430	7143.37	9918.36	-9758.19	1931.71	1747069.07	14455418.32	39°48'12.6886"N	80°37'12.9161"W	9945.59	168.800	0.16	0.03	-0.16
17464.00	89.220	150.600	7144.56	10010.51	-9838.88	1978.46	1747115.81	14455333.67	39°48'11.8695"N	80°37'12.3216"W	10035.83	168.630	0.22	-0.13	-0.16
17559.00	89.250	150.270	7145.83	10102.63	-9921.50	2025.33	1747162.66	14455251.07	39°48'11.0510"N	80°37'11.7255"W	10126.11	168.462	0.35	0.03	-0.35
17653.00	89.400	150.360	7146.94	10193.74	-10003.16	2071.88	1747209.19	14455169.45	39°48'10.2421"N	80°37'11.1335"W	10215.47	168.298	0.19	0.16	0.10
17747.00	89.250	150.410	7148.04	10284.87	-10084.87	2118.33	1747255.62	14455087.77	39°48'9.4326"N	80°37'10.5429"W	10304.95	168.137	0.17	-0.16	0.05
17842.00	89.190	150.030	7149.34	10376.90	-10167.32	2165.51	1747302.78	14455005.35	39°48'8.6158"N	80°37'9.9429"W	10395.37	167.976	0.40	-0.06	-0.40
17936.00	89.250	150.760	7150.62	10468.03	-10249.04	2211.94	1747349.20	14454923.66	39°48'7.8062"N	80°37'9.3524"W	10485.01	167.821	0.78	0.06	0.78
18031.00	89.340	150.120	7151.79	10560.15	-10331.67	2258.80	1747396.04	14454841.07	39°48'6.9877"N	80°37'8.7564"W	10575.71	167.668	0.68	0.09	-0.67
18125.00	89.310	150.060	7152.89	10651.17	-10413.14	2305.67	1747442.89	14454759.62	39°48'6.1805"N	80°37'8.1604"W	10665.35	167.515	0.07	-0.03	-0.00
18220.00	89.220	150.160	7154.11	10743.15	-10495.50	2353.01	1747490.21	14454677.30	39°48'5.3646"N	80°37'7.5584"W	10756.03	167.364	0.14	-0.09	0.11
18315.00	89.190	150.390	7155.43	10835.21	-10577.99	2400.11	1747537.30	14454594.84	39°48'4.5474"N	80°37'6.9594"W	10846.86	167.216	0.24	-0.03	0.24

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Breckenridge S-7HM AWP Proj: 20284'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-7HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02428-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWB
Slot	Slot #07		

WELLPATH DATA (232 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]
18409.00	89.340	150.590	7156.64	10926.38	-10659.79	2446.41	1747583.58	14454513.07	39°48'3.7371"N	80°37'6.3707"W	10936.91	167.075	0.27	0.16	0.23
18503.00	89.130	150.720	7157.89	11017.62	-10741.72	2492.47	1747629.62	14454431.17	39°48'2.9255"N	80°37'5.7850"W	11027.10	166.936	0.26	-0.22	0.14
18598.00	89.130	150.200	7159.33	11109.74	-10824.36	2539.30	1747676.43	14454348.56	39°48'2.1068"N	80°37'5.1895"W	11118.22	166.798	0.55	0.00	-0.55
18693.00	89.280	151.020	7160.65	11201.93	-10907.13	2585.92	1747723.03	14454265.83	39°48'1.2869"N	80°37'4.5967"W	11209.48	166.662	0.88	0.16	0.88
18787.00	89.340	151.000	7161.78	11293.31	-10989.34	2631.47	1747768.57	14454183.65	39°48'0.4725"N	80°37'4.0176"W	11300.01	166.534	0.07	0.06	-0.02
18882.00	89.310	150.450	7162.90	11385.55	-11072.20	2677.93	1747815.00	14454100.82	39°47'59.6516"N	80°37'3.4269"W	11391.44	166.404	0.58	-0.03	-0.58
18976.00	89.280	149.500	7164.06	11476.51	-11153.58	2724.96	1747862.02	14454019.47	39°47'58.8454"N	80°37'2.8288"W	11481.63	166.271	1.01	-0.03	-1.01
19071.00	89.370	149.590	7165.18	11568.26	-11235.47	2773.11	1747910.15	14453937.62	39°47'58.0341"N	80°37'2.2164"W	11572.63	166.136	0.13	0.09	0.09
19165.00	89.250	149.210	7166.31	11658.98	-11316.37	2820.95	1747957.97	14453856.75	39°47'57.2326"N	80°37'1.6078"W	11662.68	166.003	0.42	-0.13	-0.40
19259.00	88.820	149.500	7167.89	11749.68	-11397.23	2868.86	1748005.86	14453775.92	39°47'56.4314"N	80°37'0.9985"W	11752.75	165.871	0.55	-0.46	0.31
19354.00	88.820	149.400	7169.85	11841.37	-11479.03	2917.14	1748054.12	14453694.15	39°47'55.6210"N	80°37'0.3845"W	11843.89	165.741	0.11	0.00	-0.11
19448.00	89.000	149.310	7171.64	11932.07	-11559.88	2965.04	1748102.01	14453613.33	39°47'54.8199"N	80°36'59.7751"W	11934.09	165.614	0.21	0.19	-0.10
19542.00	88.880	149.600	7173.38	12022.80	-11640.83	3012.80	1748149.75	14453532.42	39°47'54.0180"N	80°36'59.1676"W	12024.39	165.489	0.33	-0.13	0.31
19637.00	88.850	149.350	7175.26	12114.51	-11722.64	3061.05	1748197.97	14453450.63	39°47'53.2074"N	80°36'58.5541"W	12115.71	165.366	0.26	-0.03	-0.26
19732.00	88.650	148.860	7177.16	12206.06	-11804.15	3109.82	1748246.72	14453369.16	39°47'52.3999"N	80°36'57.9337"W	12206.92	165.241	0.52	0.00	-0.52
19826.00	88.940	150.230	7178.98	12296.83	-11885.16	3157.45	1748294.34	14453288.18	39°47'51.5972"N	80°36'57.3279"W	12297.42	165.122	1.46	0.10	1.46
19920.00	88.940	149.710	7180.72	12387.78	-11966.53	3204.49	1748341.36	14453206.84	39°47'50.7911"N	80°36'56.7297"W	12388.16	165.009	0.55	0.00	-0.55
20015.00	88.910	149.950	7182.50	12479.64	-12048.65	3252.22	1748389.07	14453124.76	39°47'49.9776"N	80°36'56.1227"W	12479.86	164.894	0.25	-0.03	0.25
20109.00	88.910	149.480	7184.29	12570.49	-12129.80	3299.62	1748436.45	14453043.63	39°47'49.1735"N	80°36'55.5199"W	12570.58	164.782	0.50	0.00	-0.50
20177.00	89.400	148.950	7185.29	12636.06	-12188.21	3334.42	1748471.24	14452985.24	39°47'48.5948"N	80°36'55.0773"W	12636.09	164.700	1.06	0.72	-0.78
20259.00	89.340	149.170	7186.19	12715.07	-12258.54	3376.57	1748513.38	14452914.94	39°47'47.8980"N	80°36'54.5411"W	12715.07	164.600	0.28	-0.07	0.27
20284.00†	89.340	149.170	7186.48	12739.17	-12280.01	3389.38	1748526.18	14452893.48	39°47'47.6853"N	80°36'54.3781"W	12739.17	164.570	0.00	0.00	0.00

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Slot	Slot #07		

HOLE & CASING SECTIONS - Ref Wellbore: Breckenridge S-7HM AWB Ref Wellpath: Breckenridge S-7HM AWP Proj: 20284'

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]
30in Conductor	28.00	148.00	120.00	28.00	148.00	0.00	0.00	-0.03	-0.36
17.5in Open Hole	148.00	1184.00	1036.00	148.00	1183.97	-0.03	-0.36	3.71	-1.28
13.375in Casing Surface	28.00	1184.00	1156.00	28.00	1183.97	0.00	0.00	3.71	-1.28
12.25in Open Hole	1184.00	2342.00	1158.00	1183.97	2341.75	3.71	-1.28	25.28	-6.20
9.625in Casing Intermediate	28.00	2342.00	2314.00	28.00	2341.75	0.00	0.00	25.28	-6.20
8.75in Open Hole	2342.00	7074.00	4732.00	2341.75	6423.85	25.28	-6.20	-815.03	-2079.98
8.5in Open Hole	7074.00	20284.00	13210.00	6423.85	7186.48	-815.03	-2079.98	-12280.01	3389.38
5.5in Casing Production	28.00	20284.00	20256.00	28.00	7186.48	0.00	0.00	-12280.01	3389.38

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Breckenridge S-7HM LP Rev-2	7005.00	-1458.09	-2202.82	1742936.16	14463711.19	39°49'34.8651"N	80°38'5.4575"W	point
Breckenridge S-7HM BHL Rev-2	7218.00	-12279.98	3392.39	1748529.19	14452893.51	39°47'47.6854"N	80°36'54.3397"W	point

WELLPATH COMPOSITION - Ref Wellbore: Breckenridge S-7HM AWB Ref Wellpath: Breckenridge S-7HM AWP Proj: 20284'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2249.00	Gyrodata 2015 - CT+WIR+DPIPE	01 Gyrodata Cont. Gyro <12-1/4"> (115'-2249')	Breckenridge S-7HM AWB	10/25/2024
2249.00	6995.00	OWSG MWD rev2 + HRGM	02 SDI MWD <8-3/4"> (2249')(2379'-6995')	Breckenridge S-7HM AWB	10/25/2024
6995.00	20284.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6995')(7047'-20259')	Breckenridge S-7HM AWB	11/16/2024

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Actual Wellpath Report

Breckenridge S-7HM AWP Proj: 20284'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-7HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02428-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-7HM AWB
Slot	Slot #07		

COMMENTS

Wellpath general comments

API: 47-051-02428-0000

BH Job #: 112450800

Rig: Patterson 294

Duration: 11/18/2024-11/20/2024

Gyrodata Cont. Gyro <12-1/4"> (115'-2249')

SDI MWD <8-3/4"> (2249')(2379'-6995')

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6995')(7047'-20259')

Projected MD at TD: 20284'

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EQT PRODUCTION COMPANY

Location: Marshall County, WV
Field: Marshall (NAD83 / UTM / Grid)
Facility: Breckenridge Pad

Sec: S-71407
Well: Breckenridge S-714M
Wellbore: Breckenridge S-714M AWB



KB Elevation=1398 FT
Ground Elevation=1370 FT
All Survey Measurements were taken from KB Elevation

