



Actual Wellpath Report

Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY		Well	Denver 5H
Field	Wetzel		API	47-103-03515-0000
Facility	Denver Pad		Wellbore	Denver 5H AWB
Slot	Slot 05			

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Scurdan
Scale	0.999941	Report Generated	8/18/2023 at 10:24:22 AM
Convergence at slot	0.68° 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	-9.48	28.46	1701485.97	415397.17	39°38'8.4142"N	80°33'35.8188"W
Facility Reference Pt			1701457.51	415406.65	39°38'8.5046"N	80°33'36.1840"W
Field Reference Pt			1688243.35	385255.46	39°33'8.9436"N	80°36'20.3370"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 292 (RKB) to Facility Vertical Datum	1379.00ft
Horizontal Reference Pt	Slot	Patterson 292 (RKB) to Mean Sea Level	1379.00ft
Vertical Reference Pt	Patterson 292 (RKB)	Patterson 292 (RKB) to Ground Level at Slot (Slot 05)	28.00ft
MD Reference Pt	Patterson 292 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	326.14°

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Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELLPATH DATA (291 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
0.00†	0.000	63.410	0.00	0.00	0.00	0.00	1701485.97	415397.17	39°38'8.4142"N	80°33'35.8188"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	63.410	28.00	0.00	0.00	0.00	1701485.97	415397.17	39°38'8.4142"N	80°33'35.8188"W	0.00	0.000	0.00	0.00	0.00
115.00	0.610	63.410	115.00	-0.06	0.21	0.41	1701486.38	415397.38	39°38'8.4163"N	80°33'35.8135"W	0.46	63.410	0.70	0.70	0.00
215.00	0.240	62.060	215.00	-0.15	0.54	1.08	1701487.05	415397.71	39°38'8.4197"N	80°33'35.8051"W	1.20	63.175	0.37	-0.37	-1.35
315.00	0.250	95.530	314.99	-0.31	0.62	1.48	1701487.45	415397.79	39°38'8.4205"N	80°33'35.8000"W	1.60	67.207	0.14	0.01	33.47
415.00	0.150	174.540	414.99	-0.56	0.47	1.71	1701487.68	415397.64	39°38'8.4190"N	80°33'35.7971"W	1.77	74.622	0.27	-0.10	79.01
515.00	0.050	229.720	514.99	-0.68	0.31	1.69	1701487.66	415397.48	39°38'8.4174"N	80°33'35.7973"W	1.71	79.551	0.13	-0.10	55.18
615.00	0.130	244.590	614.99	-0.67	0.23	1.55	1701487.52	415397.40	39°38'8.4167"N	80°33'35.7990"W	1.57	81.415	0.08	0.08	14.87
715.00	0.140	114.120	714.99	-0.76	0.14	1.56	1701487.53	415397.31	39°38'8.4157"N	80°33'35.7989"W	1.57	85.035	0.25	0.01	-130.47
815.00	0.110	191.790	814.99	-0.93	-0.01	1.65	1701487.62	415397.16	39°38'8.4143"N	80°33'35.7977"W	1.65	90.293	0.16	-0.03	77.67
915.00	0.140	306.940	914.99	-0.88	-0.03	1.53	1701487.50	415397.14	39°38'8.4141"N	80°33'35.7992"W	1.53	91.082	0.21	0.03	115.15
1015.00	0.070	313.470	1014.99	-0.70	0.09	1.39	1701487.36	415397.26	39°38'8.4152"N	80°33'35.8010"W	1.39	86.445	0.07	-0.07	6.53
1115.00	0.190	283.500	1114.99	-0.52	0.17	1.19	1701487.16	415397.34	39°38'8.4160"N	80°33'35.8037"W	1.20	81.979	0.13	0.12	-29.97
1215.00	0.050	285.080	1214.99	-0.37	0.22	0.98	1701486.95	415397.39	39°38'8.4164"N	80°33'35.8063"W	1.01	77.539	0.14	-0.14	1.58
1315.00	0.070	87.800	1314.99	-0.37	0.23	1.00	1701486.97	415397.40	39°38'8.4166"N	80°33'35.8060"W	1.03	77.021	0.12	0.02	162.72
1415.00	0.050	238.430	1414.99	-0.40	0.21	1.03	1701487.00	415397.38	39°38'8.4164"N	80°33'35.8057"W	1.05	78.407	0.12	-0.02	150.63
1515.00	0.140	72.080	1514.99	-0.43	0.23	1.10	1701487.07	415397.40	39°38'8.4174"N	80°33'35.8047"W	1.13	78.480	0.19	0.09	-166.35
1615.00	0.150	69.750	1614.99	-0.49	0.31	1.34	1701487.31	415397.48	39°38'8.4165"N	80°33'35.8017"W	1.38	77.089	0.01	0.01	-2.33
1715.00	0.120	239.080	1714.99	-0.52	0.30	1.38	1701487.35	415397.47	39°38'8.4173"N	80°33'35.8012"W	1.41	77.725	0.27	-0.03	169.33
1815.00	0.230	104.680	1814.99	-0.66	0.19	1.48	1701487.45	415397.36	39°38'8.4163"N	80°33'35.7999"W	1.49	82.503	0.33	0.11	-134.40
1915.00	0.190	63.300	1914.99	-0.83	0.22	1.82	1701487.79	415397.39	39°38'8.4166"N	80°33'35.7955"W	1.84	83.166	0.15	-0.04	-41.38
2015.00	0.210	55.380	2014.99	-0.85	0.40	2.12	1701488.09	415397.57	39°38'8.4184"N	80°33'35.7917"W	2.16	79.401	0.03	0.02	-7.92
2115.00	0.150	118.480	2114.99	-0.97	0.44	2.39	1701488.36	415397.61	39°38'8.4188"N	80°33'35.7883"W	2.43	79.588	0.20	-0.06	63.10
2215.00	0.300	131.560	2214.99	-1.34	0.20	2.70	1701488.67	415397.37	39°38'8.4165"N	80°33'35.7843"W	2.71	85.704	0.16	0.15	13.08
2315.00	0.250	140.430	2314.99	-1.81	-0.14	3.03	1701489.00	415397.03	39°38'8.4132"N	80°33'35.7800"W	3.04	92.624	0.07	-0.05	8.87
2415.00	0.170	159.960	2414.99	-2.17	-0.45	3.22	1701489.19	415396.72	39°38'8.4101"N	80°33'35.7775"W	3.25	97.887	0.11	-0.08	19.53
2515.00	0.040	162.160	2514.99	-2.34	-0.62	3.29	1701489.26	415396.55	39°38'8.4084"N	80°33'35.7767"W	3.34	100.673	0.13	-0.13	2.20
2599.00	0.130	119.440	2598.99	-2.46	-0.69	3.38	1701489.35	415396.48	39°38'8.4077"N	80°33'35.7755"W	3.45	101.611	0.12	0.11	-50.86
2685.00	0.050	113.640	2684.99	-2.58	-0.76	3.50	1701489.47	415396.41	39°38'8.4071"N	80°33'35.7740"W	3.58	102.214	0.09	-0.09	-6.74
2728.00	0.340	180.700	2727.99	-2.70	-0.89	3.51	1701489.48	415396.28	39°38'8.4058"N	80°33'35.7738"W	3.62	104.250	0.75	0.67	155.95

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Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELLPATH DATA (291 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]
2772.00	0.950	207.070	2771.98	-2.98	-1.35	3.34	1701489.31	415395.82	39°38'8.4013"N	80°33'35.7758"W	3.61	111.940	1.51	1.39	59.93
2815.00	2.380	201.070	2814.96	-3.67	-2.50	2.86	1701488.83	415394.67	39°38'8.3898"N	80°33'35.7818"W	3.80	131.118	3.35	3.33	-13.95
2858.00	4.100	195.580	2857.89	-5.18	-4.81	2.13	1701488.10	415392.36	39°38'8.3669"N	80°33'35.7909"W	5.26	156.146	4.06	4.00	-12.77
2901.00	5.530	194.290	2900.74	-7.56	-8.30	1.20	1701487.17	415388.87	39°38'8.3323"N	80°33'35.8022"W	8.39	171.750	3.33	3.33	-3.00
2944.00	6.020	191.300	2943.52	-10.54	-12.52	0.25	1701486.22	415384.65	39°38'8.2905"N	80°33'35.8137"W	12.52	178.855	1.34	1.14	-6.95
2988.00	6.070	193.830	2987.28	-13.73	-17.04	-0.76	1701485.21	415380.13	39°38'8.2457"N	80°33'35.8259"W	17.06	182.547	0.62	0.11	5.75
3031.00	6.470	194.860	3030.02	-16.86	-21.59	-1.92	1701484.05	415375.58	39°38'8.2006"N	80°33'35.8401"W	21.68	185.089	0.97	0.93	2.40
3074.00	6.890	196.300	3072.73	-20.11	-26.41	-3.27	1701482.70	415370.76	39°38'8.1528"N	80°33'35.8566"W	26.61	187.054	1.05	0.98	3.35
3117.00	7.490	196.180	3115.39	-23.56	-31.57	-4.77	1701481.20	415365.60	39°38'8.1016"N	80°33'35.8750"W	31.93	188.596	1.40	1.40	-0.28
3161.00	8.500	201.140	3158.96	-27.27	-37.36	-6.74	1701479.23	415359.81	39°38'8.0442"N	80°33'35.8994"W	37.97	190.233	2.78	2.30	11.27
3204.00	9.480	203.630	3201.44	-30.99	-43.57	-9.31	1701476.66	415353.60	39°38'7.9825"N	80°33'35.9312"W	44.55	192.062	2.45	2.28	5.79
3247.00	10.280	208.530	3243.80	-34.68	-50.19	-12.56	1701473.41	415346.99	39°38'7.9168"N	80°33'35.9718"W	51.73	194.053	2.70	1.86	11.40
3290.00	10.990	212.290	3286.06	-38.11	-57.02	-16.58	1701469.39	415340.15	39°38'7.8487"N	80°33'36.0222"W	59.38	196.217	2.31	1.65	8.74
3334.00	11.670	214.630	3329.20	-41.44	-64.23	-21.35	1701464.62	415332.94	39°38'7.7769"N	80°33'36.0820"W	67.69	198.390	1.87	1.55	5.32
3420.00	12.750	221.110	3413.26	-47.09	-78.54	-32.54	1701453.43	415318.64	39°38'7.6342"N	80°33'36.2228"W	85.01	202.504	2.03	1.26	7.53
3507.00	14.690	222.760	3497.77	-52.13	-93.87	-46.34	1701439.63	415303.30	39°38'7.4811"N	80°33'36.3969"W	104.69	206.274	2.27	2.23	1.90
3593.00	16.150	224.630	3580.68	-57.04	-110.39	-62.15	1701423.83	415286.79	39°38'7.3160"N	80°33'36.5964"W	126.68	209.379	1.79	1.70	2.17
3680.00	16.330	223.060	3664.20	-62.22	-127.94	-79.00	1701406.98	415269.24	39°38'7.1406"N	80°33'36.8092"W	150.36	211.694	0.55	0.21	-1.80
3766.00	16.060	223.900	3746.79	-67.48	-145.34	-95.50	1701390.47	415251.84	39°38'6.9667"N	80°33'37.0175"W	173.91	213.308	0.42	-0.31	0.98
3853.00	16.120	223.890	3830.38	-72.60	-162.72	-112.22	1701373.76	415234.46	39°38'6.7930"N	80°33'37.2285"W	197.66	214.592	0.07	0.07	-0.01
3939.00	16.060	224.590	3913.02	-77.51	-179.79	-128.85	1701357.13	415217.39	39°38'6.6224"N	80°33'37.4384"W	221.20	215.627	0.24	-0.07	0.81
4025.00	15.680	221.430	3995.74	-82.84	-196.98	-144.89	1701341.09	415200.20	39°38'6.4507"N	80°33'37.6409"W	244.53	216.337	1.10	-0.44	-3.67
4112.00	16.020	220.300	4079.43	-89.11	-214.95	-160.43	1701325.55	415182.23	39°38'6.2712"N	80°33'37.8368"W	268.22	216.737	0.53	0.39	-1.30
4199.00	16.070	218.900	4163.04	-95.95	-233.48	-175.76	1701310.22	415163.71	39°38'6.0864"N	80°33'38.0299"W	292.24	216.972	0.45	0.06	-1.61
4285.00	15.930	221.470	4245.71	-102.47	-251.58	-191.05	1701294.93	415145.60	39°38'5.9056"N	80°33'38.2226"W	315.90	217.213	0.84	-0.16	2.99
4371.00	15.420	220.980	4328.51	-108.45	-269.06	-206.36	1701279.62	415128.13	39°38'5.7312"N	80°33'38.4157"W	339.08	217.488	0.61	-0.59	-0.57
4458.00	15.220	221.440	4412.42	-114.37	-286.35	-221.51	1701264.48	415110.84	39°38'5.5585"N	80°33'38.6066"W	362.02	217.724	0.27	-0.23	0.53
4544.00	15.280	223.320	4495.39	-119.75	-303.06	-236.75	1701249.23	415094.13	39°38'5.3916"N	80°33'38.7989"W	384.57	217.997	0.58	0.07	2.19
4632.00	16.120	223.410	4580.11	-125.01	-320.37	-253.10	1701232.88	415076.82	39°38'5.2186"N	80°33'39.0053"W	408.29	218.310	0.95	0.95	0.10
4717.00	16.840	222.810	4661.62	-130.45	-337.97	-269.58	1701216.41	415059.22	39°38'5.0427"N	80°33'39.2132"W	432.32	218.577	0.87	0.85	-0.71



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ID	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]
4804.00	17.380	223.430	4744.77	-136.22	-356.65	-287.08	1701198.91	415040.54	39°38'4.8561"N	80°33'39.4340"W	457.84	218.831	0.66	0.62	0.71
4890.00	17.550	221.080	4826.80	-142.41	-375.76	-304.43	1701181.56	415021.44	39°38'4.6653"N	80°33'39.6529"W	483.60	219.013	0.84	0.20	-2.73
4977.00	17.790	225.210	4909.70	-148.34	-395.01	-322.48	1701163.51	415002.19	39°38'4.4729"N	80°33'39.8807"W	509.93	219.228	1.47	0.28	4.75
5055.00	17.080	224.420	4984.12	-152.93	-411.58	-338.95	1701147.04	414985.61	39°38'4.3072"N	80°33'40.0887"W	533.19	219.473	0.96	-0.91	-1.01
5141.00	17.740	223.510	5066.18	-158.36	-430.11	-356.81	1701129.18	414967.09	39°38'4.1220"N	80°33'40.3142"W	558.85	219.679	0.83	0.77	-1.06
5228.00	17.780	217.820	5149.04	-165.43	-450.21	-374.09	1701111.91	414946.98	39°38'3.9213"N	80°33'40.5319"W	585.35	219.723	1.99	0.05	-6.54
5314.00	17.270	214.010	5231.05	-174.37	-471.17	-389.28	1701096.72	414926.03	39°38'3.7125"N	80°33'40.7229"W	611.18	219.563	1.46	-0.59	-4.43
5401.00	16.830	214.210	5314.22	-183.94	-492.29	-403.58	1701082.41	414904.91	39°38'3.5021"N	80°33'40.9025"W	636.58	219.345	0.51	-0.51	0.23
5487.00	15.770	215.710	5396.77	-192.67	-512.08	-417.40	1701068.59	414885.13	39°38'3.3049"N	80°33'41.0762"W	660.64	219.184	1.33	-1.23	1.74
5574.00	15.290	218.910	5480.59	-200.19	-530.60	-431.51	1701054.49	414866.60	39°38'3.1202"N	80°33'41.2537"W	683.91	219.120	1.13	-0.55	3.68
5660.00	15.830	228.920	5563.46	-205.02	-547.14	-447.48	1701038.52	414850.07	39°38'2.9549"N	80°33'41.4552"W	706.82	219.278	3.18	0.63	11.64
5747.00	16.700	230.040	5646.97	-207.84	-562.96	-466.00	1701020.00	414834.24	39°38'2.7964"N	80°33'41.6896"W	730.81	219.617	1.06	1.00	1.29
5833.00	17.330	227.470	5729.21	-211.09	-579.56	-484.91	1701001.09	414817.65	39°38'2.6302"N	80°33'41.9288"W	755.66	219.919	1.14	0.73	-2.99
5919.00	17.810	228.670	5811.20	-214.73	-596.90	-504.23	1700981.77	414800.31	39°38'2.4565"N	80°33'42.1730"W	781.37	220.189	0.70	0.56	1.40
6006.00	18.320	229.920	5893.91	-217.94	-614.49	-524.68	1700961.32	414782.72	39°38'2.2803"N	80°33'42.4318"W	808.02	220.492	0.74	0.59	1.44
6092.00	17.800	231.580	5975.67	-220.45	-631.36	-545.32	1700940.68	414765.85	39°38'2.1111"N	80°33'42.6930"W	834.26	220.818	0.85	-0.60	1.93
6178.00	17.450	231.500	6057.63	-222.54	-647.56	-565.71	1700920.29	414749.65	39°38'1.9487"N	80°33'42.9512"W	859.86	221.141	0.41	-0.41	-0.09
6265.00	16.830	230.010	6140.77	-224.94	-663.77	-585.57	1700900.44	414733.44	39°38'1.7861"N	80°33'43.2025"W	885.15	221.418	0.87	-0.71	-1.71
6351.00	17.610	228.470	6222.92	-228.00	-680.40	-604.85	1700881.16	414716.81	39°38'1.6196"N	80°33'43.4464"W	910.38	221.636	1.05	0.91	-1.79
6437.00	18.060	228.170	6304.78	-231.59	-697.91	-624.52	1700861.49	414699.30	39°38'1.4442"N	80°33'43.6952"W	936.54	221.823	0.53	0.52	-0.35
6524.00	17.610	226.680	6387.60	-235.62	-715.94	-644.14	1700841.87	414681.28	39°38'1.2638"N	80°33'43.9432"W	963.06	221.978	0.74	-0.52	-1.71
6610.00	17.910	226.660	6469.50	-239.94	-733.94	-663.23	1700822.79	414663.28	39°38'1.0837"N	80°33'44.1844"W	989.21	222.103	0.35	0.35	-0.02
6697.00	17.930	224.700	6552.28	-244.80	-752.64	-682.37	1700803.64	414644.58	39°38'0.8966"N	80°33'44.4263"W	1015.92	222.197	0.69	0.02	-2.25
6783.00	17.150	221.230	6634.29	-250.69	-771.58	-700.04	1700785.97	414625.63	39°38'0.7073"N	80°33'44.6492"W	1041.83	222.217	1.52	-0.91	-4.03
6877.00	17.700	216.850	6723.98	-258.97	-793.44	-717.75	1700768.27	414603.77	39°38'0.4892"N	80°33'44.8722"W	1069.91	222.132	1.51	0.59	-4.66
6918.00	18.250	212.380	6762.98	-263.62	-803.85	-724.92	1700761.09	414593.37	39°38'0.3855"N	80°33'44.9624"W	1082.45	222.045	3.62	1.34	-10.90
6964.00	18.170	213.880	6806.67	-269.24	-815.89	-732.78	1700753.23	414581.33	39°38'0.2656"N	80°33'45.0609"W	1096.65	221.928	1.03	-0.17	3.26
7059.00	16.990	245.860	6897.44	-272.51	-833.91	-753.75	1700732.26	414563.31	39°38'0.0851"N	80°33'45.3262"W	1124.07	222.110	10.12	-1.24	33.66
7154.00	19.090	274.830	6987.95	-260.43	-838.28	-781.96	1700704.06	414558.94	39°38'0.0386"N	80°33'45.6861"W	1146.38	223.009	9.60	2.21	30.49
7249.00	25.650	288.190	7075.81	-234.46	-830.54	-817.03	1700668.99	414566.68	39°38'0.1110"N	80°33'46.1355"W	1165.05	224.530	8.70	6.91	14.06

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Actual Wellpath Report

Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	EQT PRODUCTION COMPANY		Well	Denver 5H
Field	Wetzel		API	47-103-03515-0000
Facility	Denver Pad		Wellbore	Denver 5H AWB
Slot	Slot 05			

WELLPATH DATA (291 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]
7345.00	33.330	300.640	7159.39	-194.18	-810.57	-859.57	1700626.46	414586.65	39°38'0.3034"N	80°33'46.6821"W	1181.47	226.681	10.20	8.00	12.97
7440.00	41.680	311.600	7234.77	-139.89	-776.20	-905.78	1700580.25	414621.02	39°38'0.6377"N	80°33'47.2779"W	1192.86	229.405	11.22	8.79	11.54
7535.00	47.850	320.170	7302.25	-74.16	-728.09	-952.04	1700533.99	414669.12	39°38'1.1077"N	80°33'47.8764"W	1198.54	232.592	9.07	6.49	9.02
7630.00	56.030	327.160	7360.81	0.43	-667.80	-996.07	1700489.96	414729.41	39°38'1.6983"N	80°33'48.4482"W	1199.21	236.161	10.37	8.61	7.36
7724.00	63.550	328.650	7408.08	81.56	-599.01	-1039.16	1700446.87	414798.19	39°38'2.3731"N	80°33'49.0094"W	1199.45	240.039	8.12	8.00	1.59
7820.00	72.780	328.790	7443.74	170.49	-522.93	-1085.38	1700400.66	414874.27	39°38'3.1195"N	80°33'49.6116"W	1204.78	244.275	9.62	9.61	0.15
7914.00	80.100	329.550	7465.77	261.68	-444.52	-1132.17	1700353.87	414952.68	39°38'3.8890"N	80°33'50.2215"W	1216.31	248.564	7.83	7.79	0.81
8009.00	87.530	330.110	7476.00	355.86	-362.92	-1179.60	1700306.44	415034.27	39°38'4.6898"N	80°33'50.8400"W	1234.17	252.899	7.84	7.82	0.59
8104.00	88.890	330.070	7478.96	450.59	-280.61	-1226.95	1700259.10	415116.57	39°38'5.4977"N	80°33'51.4576"W	1258.63	257.117	1.43	1.43	-0.04
8199.00	89.050	330.290	7480.67	545.34	-198.21	-1274.18	1700211.87	415198.98	39°38'6.3065"N	80°33'52.0737"W	1289.50	261.158	0.29	0.17	0.23
8294.00	89.750	330.240	7481.67	640.09	-115.72	-1321.30	1700164.76	415281.46	39°38'7.1162"N	80°33'52.6884"W	1326.35	264.995	0.74	0.74	-0.05
8389.00	90.830	330.500	7481.19	734.82	-33.14	-1368.26	1700117.79	415364.03	39°38'7.9267"N	80°33'53.3012"W	1368.66	268.612	1.17	1.14	0.27
8485.00	89.780	329.490	7480.67	830.60	49.99	-1416.27	1700069.79	415447.15	39°38'8.7426"N	80°33'53.9273"W	1417.15	272.021	1.52	-1.09	-1.05
8581.00	89.660	328.730	7481.14	926.47	132.37	-1465.55	1700020.51	415529.53	39°38'9.5510"N	80°33'54.5697"W	1471.52	275.161	0.80	-0.12	-0.79
8676.00	89.720	328.070	7481.66	1021.40	213.28	-1515.33	1699970.73	415610.44	39°38'10.3448"N	80°33'55.2181"W	1530.26	278.012	0.70	0.06	-0.69
8771.00	89.690	329.700	7482.15	1116.28	294.61	-1564.42	1699921.65	415691.76	39°38'11.1427"N	80°33'55.8579"W	1591.92	280.665	1.72	-0.03	1.72
8867.00	89.720	329.600	7482.64	1212.10	377.45	-1612.93	1699873.14	415774.60	39°38'11.9557"N	80°33'56.4904"W	1656.50	283.171	0.11	0.03	-0.10
8962.00	90.340	331.600	7482.59	1306.81	460.21	-1659.56	1699826.51	415857.35	39°38'12.7681"N	80°33'57.0990"W	1722.19	285.499	2.20	0.65	2.11
9057.00	90.650	329.730	7481.77	1401.51	543.02	-1706.10	1699779.98	415940.16	39°38'13.5811"N	80°33'57.7063"W	1790.43	287.655	2.00	0.33	-1.97
9152.00	89.940	329.690	7481.28	1496.32	625.05	-1754.01	1699732.07	416022.18	39°38'14.3861"N	80°33'58.3312"W	1862.05	289.614	0.75	-0.75	-0.04
9247.00	89.840	329.950	7481.46	1591.12	707.17	-1801.77	1699684.31	416104.30	39°38'15.1921"N	80°33'58.9540"W	1935.58	291.429	0.29	-0.11	0.27
9342.00	89.600	328.440	7481.93	1685.98	788.77	-1850.42	1699635.66	416185.89	39°38'15.9927"N	80°33'59.5882"W	2011.52	293.087	1.61	-0.25	-1.59
9436.00	89.940	330.520	7482.31	1779.82	869.74	-1898.15	1699587.93	416266.86	39°38'16.7873"N	80°34'0.2106"W	2087.92	294.617	2.24	0.36	2.21
9532.00	91.010	329.940	7481.51	1875.57	953.07	-1945.82	1699540.27	416350.18	39°38'17.6052"N	80°34'0.8324"W	2166.69	296.096	1.27	1.11	-0.60
9627.00	91.690	329.950	7479.27	1970.33	1035.27	-1993.38	1699492.71	416432.38	39°38'18.4119"N	80°34'1.4528"W	2246.19	297.445	0.72	0.72	0.01
9722.00	87.620	330.120	7479.84	2065.09	1117.55	-2040.82	1699445.27	416514.65	39°38'19.2195"N	80°34'2.0717"W	2326.77	298.705	4.29	-4.28	0.18
9817.00	88.700	330.550	7482.89	2159.79	1200.06	-2087.81	1699398.28	416597.15	39°38'20.0293"N	80°34'2.6848"W	2408.13	299.890	1.22	1.14	0.45
10007.00	89.380	330.820	7486.08	2349.16	1365.70	-2180.83	1699305.28	416762.79	39°38'21.6554"N	80°34'3.8988"W	2573.16	302.056	0.39	0.36	0.14
10103.00	89.720	330.200	7486.83	2444.88	1449.26	-2228.08	1699258.02	416846.34	39°38'22.4756"N	80°34'4.5155"W	2657.95	303.042	0.74	0.35	-0.65
10198.00	90.950	329.640	7486.28	2539.67	1531.46	-2275.69	1699210.41	416928.54	39°38'23.2824"N	80°34'5.1366"W	2743.02	303.939	1.42	1.29	-0.59

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Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

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Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELLPATH DATA (291 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]
10293.00	90.830	330.770	7484.80	2634.42	1613.89	-2322.89	1699163.22	417010.96	39°38'24.0914"N	80°34'5.7524"W	2828.51	304.791	1.20	-0.13	1.19
10388.00	91.100	330.700	7483.20	2729.10	1696.76	-2369.33	1699116.79	417093.82	39°38'24.9049"N	80°34'6.3585"W	2914.22	305.608	0.29	0.28	-0.07
10484.00	90.000	330.890	7482.28	2824.77	1780.55	-2416.17	1699069.95	417177.61	39°38'25.7274"N	80°34'6.9699"W	3001.37	306.388	1.16	-1.15	0.20
10578.00	89.870	330.650	7482.38	2918.47	1862.58	-2462.07	1699024.05	417259.63	39°38'26.5327"N	80°34'7.5690"W	3087.23	307.108	0.29	-0.14	-0.26
10673.00	90.610	330.640	7481.99	3013.17	1945.38	-2508.64	1698977.49	417342.43	39°38'27.3455"N	80°34'8.1769"W	3174.55	307.793	0.78	0.78	-0.01
10768.00	89.900	327.930	7481.56	3108.02	2027.04	-2557.16	1698928.97	417424.09	39°38'28.1468"N	80°34'8.8094"W	3263.12	308.404	2.95	-0.75	-2.85
10863.00	90.210	328.730	7481.47	3202.95	2107.90	-2607.03	1698879.10	417504.94	39°38'28.9400"N	80°34'9.4593"W	3352.59	308.957	0.90	0.33	0.84
10959.00	89.530	328.740	7481.69	3298.85	2189.95	-2656.86	1698829.28	417586.99	39°38'29.7450"N	80°34'10.1086"W	3443.08	309.498	0.71	-0.71	0.01
11054.00	89.530	329.200	7482.47	3393.73	2271.36	-2705.83	1698780.31	417668.39	39°38'30.5437"N	80°34'10.7469"W	3532.78	310.011	0.48	0.00	0.48
11149.00	89.380	328.190	7483.37	3488.63	2352.52	-2755.18	1698730.95	417749.55	39°38'31.3400"N	80°34'11.3901"W	3622.90	310.492	1.07	-0.16	-1.06
11244.00	89.440	326.120	7484.35	3583.60	2432.33	-2806.70	1698679.44	417829.35	39°38'32.1226"N	80°34'12.0608"W	3714.00	310.913	2.18	0.06	-2.18
11340.00	89.410	329.200	7485.32	3679.55	2513.42	-2858.05	1698628.10	417910.44	39°38'32.9180"N	80°34'12.7294"W	3806.01	311.329	3.21	-0.03	3.21
11435.00	90.420	329.470	7485.46	3774.41	2595.13	-2906.50	1698579.65	417992.15	39°38'33.7198"N	80°34'13.3612"W	3896.47	311.761	1.10	1.06	0.28
11530.00	89.620	329.200	7485.42	3869.26	2676.85	-2954.95	1698531.20	418073.86	39°38'34.5217"N	80°34'13.9929"W	3987.14	312.173	0.89	-0.84	-0.28
11626.00	88.880	329.530	7486.68	3965.10	2759.44	-3003.87	1698482.29	418156.44	39°38'35.3321"N	80°34'14.6307"W	4078.94	312.572	0.84	-0.77	0.34
11720.00	89.990	330.060	7487.61	4058.90	2840.68	-3051.15	1698435.00	418237.67	39°38'36.1293"N	80°34'15.2476"W	4168.81	312.954	1.31	1.18	0.56
11815.00	89.650	329.890	7487.91	4153.69	2922.93	-3098.69	1698387.47	418319.92	39°38'36.9366"N	80°34'15.8677"W	4259.74	313.328	0.40	-0.36	-0.18
11910.00	90.520	329.890	7487.76	4248.48	3005.11	-3146.35	1698339.82	418402.09	39°38'37.7431"N	80°34'16.4894"W	4350.88	313.685	0.92	0.92	0.00
12006.00	90.180	329.410	7487.18	4344.30	3087.95	-3194.85	1698291.31	418484.93	39°38'38.5560"N	80°34'17.1220"W	4443.25	314.025	0.61	-0.35	-0.50
12101.00	89.500	329.230	7487.44	4439.15	3169.65	-3243.32	1698242.84	418566.63	39°38'39.3577"N	80°34'17.7541"W	4534.96	314.342	0.74	-0.72	-0.19
12196.00	89.560	329.500	7488.22	4534.00	3251.39	-3291.73	1698194.44	418648.36	39°38'40.1598"N	80°34'18.3853"W	4626.77	314.647	0.29	0.06	0.28
12291.00	89.590	328.570	7488.93	4628.87	3332.85	-3340.61	1698145.57	418729.81	39°38'40.9590"N	80°34'19.0225"W	4718.85	314.933	0.98	0.03	-0.98
12386.00	89.810	329.560	7489.42	4723.75	3414.33	-3389.44	1698096.73	418811.29	39°38'41.7585"N	80°34'19.6591"W	4811.03	315.210	1.07	0.23	1.04
12482.00	89.650	330.290	7489.88	4819.54	3497.40	-3437.55	1698048.63	418894.36	39°38'42.5738"N	80°34'20.2868"W	4903.94	315.494	0.78	-0.17	0.76
12577.00	89.620	329.500	7490.48	4914.33	3579.59	-3485.20	1698000.98	418976.54	39°38'43.3804"N	80°34'20.9084"W	4996.01	315.765	0.83	-0.03	-0.83
12672.00	89.650	329.890	7491.09	5009.14	3661.60	-3533.14	1697953.05	419058.55	39°38'44.1852"N	80°34'21.5336"W	5088.26	316.023	0.41	0.03	0.41
12767.00	89.710	329.730	7491.62	5103.95	3743.72	-3580.91	1697905.28	419140.66	39°38'44.9911"N	80°34'22.1568"W	5180.57	316.273	0.18	0.06	-0.17
12862.00	89.800	330.050	7492.02	5198.74	3825.90	-3628.57	1697857.63	419222.83	39°38'45.7976"N	80°34'22.7785"W	5272.95	316.516	0.35	0.09	0.34
12957.00	89.710	329.480	7492.43	5293.55	3907.97	-3676.40	1697809.79	419304.90	39°38'46.6031"N	80°34'23.4026"W	5365.46	316.749	0.61	-0.09	-0.60
13053.00	89.620	329.260	7492.99	5389.40	3990.58	-3725.31	1697760.89	419387.50	39°38'47.4136"N	80°34'24.0404"W	5459.18	316.969	0.25	-0.09	-0.23

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13148.00	89.500	329.330	7493.72	5484.25	4072.26	-3773.82	1697712.38	419469.18	39°38'48.2151"N	80°34'24.6729"W	5552.03	317.178	0.15	-0.13	0.07
13242.00	89.500	328.930	7494.54	5578.12	4152.94	-3822.05	1697664.16	419549.85	39°38'49.0067"N	80°34'25.3017"W	5644.02	317.376	0.43	0.00	-0.43
13337.00	90.700	330.580	7494.38	5672.92	4235.00	-3869.90	1697616.31	419631.91	39°38'49.8120"N	80°34'25.9259"W	5736.84	317.579	2.15	1.26	1.74
13432.00	89.590	329.240	7494.14	5767.71	4317.20	-3917.52	1697568.68	419714.10	39°38'50.6187"N	80°34'26.5473"W	5829.68	317.779	1.83	-1.17	-1.41
13527.00	90.420	329.590	7494.13	5862.56	4398.98	-3965.86	1697520.35	419795.88	39°38'51.4212"N	80°34'27.1777"W	5922.76	317.964	0.95	0.87	0.37
13622.00	89.590	329.890	7494.12	5957.37	4481.03	-4013.73	1697472.48	419877.93	39°38'52.2264"N	80°34'27.8022"W	6015.79	318.149	0.93	-0.87	0.32
13716.00	89.620	330.460	7494.77	6051.13	4562.58	-4060.48	1697425.73	419959.47	39°38'53.0268"N	80°34'28.4122"W	6107.75	318.332	0.61	0.03	0.61
13811.00	89.500	331.360	7495.50	6145.80	4645.59	-4106.67	1697379.55	420042.48	39°38'53.8417"N	80°34'29.0153"W	6200.51	318.524	0.96	-0.13	0.95
13906.00	89.310	329.580	7496.48	6240.52	4728.24	-4153.49	1697332.74	420125.12	39°38'54.6529"N	80°34'29.6264"W	6293.47	318.703	1.88	-0.20	-1.87
14001.00	89.160	329.400	7497.75	6335.35	4810.08	-4201.71	1697284.51	420206.96	39°38'55.4560"N	80°34'30.2554"W	6386.81	318.862	0.25	-0.16	-0.19
14096.00	89.470	329.700	7498.89	6430.18	4891.97	-4249.86	1697236.37	420288.84	39°38'56.2596"N	80°34'30.8834"W	6480.18	319.018	0.45	0.33	0.32
14191.00	89.680	329.490	7499.59	6525.00	4973.91	-4297.94	1697188.30	420370.77	39°38'57.0636"N	80°34'31.5105"W	6573.58	319.170	0.31	0.22	-0.22
14286.00	89.560	329.130	7500.22	6619.85	5055.60	-4346.42	1697139.81	420452.46	39°38'57.8652"N	80°34'32.1428"W	6667.12	319.314	0.40	-0.13	-0.38
14381.00	89.560	329.400	7500.95	6714.71	5137.25	-4394.97	1697091.27	420534.11	39°38'58.6664"N	80°34'32.7759"W	6760.71	319.453	0.28	0.00	0.28
14476.00	89.680	329.800	7501.58	6809.53	5219.19	-4443.04	1697043.20	420616.04	39°38'59.4704"N	80°34'33.4030"W	6854.24	319.593	0.44	0.13	0.42
14571.00	89.960	329.690	7501.88	6904.34	5301.25	-4490.91	1696995.34	420698.09	39°39'0.2757"N	80°34'34.0275"W	6947.77	319.731	0.32	0.29	-0.12
14666.00	90.450	329.820	7501.54	6999.15	5383.32	-4538.76	1696947.49	420780.16	39°39'1.0810"N	80°34'34.6517"W	7041.34	319.865	0.53	0.52	0.14
14761.00	90.510	329.750	7500.74	7093.96	5465.41	-4586.57	1696899.68	420862.24	39°39'1.8866"N	80°34'35.2754"W	7134.93	319.997	0.10	0.06	-0.07
14856.00	90.260	329.350	7500.11	7188.79	5547.30	-4634.71	1696851.54	420944.13	39°39'2.6902"N	80°34'35.9034"W	7228.63	320.122	0.50	-0.26	-0.42
14951.00	90.230	329.040	7499.70	7283.65	5628.90	-4683.36	1696802.90	421025.72	39°39'3.4908"N	80°34'36.5378"W	7322.46	320.239	0.33	-0.03	-0.33
15046.00	89.680	329.670	7499.77	7378.50	5710.63	-4731.78	1696754.48	421107.45	39°39'4.2928"N	80°34'37.1694"W	7416.27	320.355	0.88	-0.58	0.66
15142.00	89.830	329.560	7500.18	7474.32	5793.44	-4780.34	1696705.92	421190.26	39°39'5.1055"N	80°34'37.8028"W	7511.03	320.473	0.19	0.16	-0.11
15237.00	89.740	328.660	7500.54	7569.20	5874.97	-4829.11	1696657.15	421271.78	39°39'5.9053"N	80°34'38.4388"W	7604.97	320.580	0.95	-0.09	-0.95
15332.00	90.080	329.890	7500.69	7664.05	5956.63	-4877.65	1696608.62	421353.44	39°39'6.7066"N	80°34'39.0718"W	7698.89	320.687	1.34	0.36	1.29
15427.00	89.890	329.630	7500.72	7758.86	6038.70	-4925.49	1696560.78	421435.50	39°39'7.5120"N	80°34'39.6960"W	7792.71	320.797	0.34	-0.20	-0.27
15522.00	89.990	329.070	7500.81	7853.71	6120.43	-4973.92	1696512.35	421517.23	39°39'8.3139"N	80°34'40.3276"W	7886.67	320.900	0.60	0.11	-0.59
15617.00	89.920	329.000	7500.89	7948.59	6201.89	-5022.80	1696463.48	421598.68	39°39'9.1131"N	80°34'40.9650"W	7980.73	320.997	0.10	-0.07	-0.07
15712.00	90.050	329.790	7500.91	8043.44	6283.66	-5071.17	1696415.11	421680.44	39°39'9.9154"N	80°34'41.5958"W	8074.72	321.095	0.84	0.14	0.83
15808.00	89.890	330.010	7500.96	8139.23	6366.71	-5119.31	1696366.97	421763.49	39°39'10.7305"N	80°34'42.2241"W	8169.60	321.198	0.28	-0.17	0.23
15903.00	90.020	330.100	7501.04	8234.01	6449.03	-5166.73	1696319.55	421845.80	39°39'11.5384"N	80°34'42.8429"W	8263.48	321.300	0.17	0.14	0.09

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Actual Wellpath Report

Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELL PATH DATA (291 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]
15998.00	90.080	329.520	7500.96	8328.81	6531.14	-5214.50	1696271.78	421927.91	39°39'12.3442"N	80°34'43.4662"W	8357.45	321.396	0.61	0.06	-0.61
16093.00	90.450	329.380	7500.52	8423.65	6612.95	-5262.79	1696223.50	422009.72	39°39'13.1470"N	80°34'44.0961"W	8451.52	321.486	0.42	0.39	-0.15
16188.00	90.350	329.800	7499.85	8518.48	6694.88	-5310.88	1696175.42	422091.64	39°39'13.9509"N	80°34'44.7234"W	8545.58	321.576	0.45	-0.11	0.44
16283.00	90.420	330.550	7499.22	8613.24	6777.30	-5358.12	1696128.17	422174.05	39°39'14.7597"N	80°34'45.3401"W	8639.52	321.670	0.79	0.07	0.79
16377.00	90.320	329.500	7498.61	8707.02	6858.72	-5405.09	1696081.21	422255.47	39°39'15.5588"N	80°34'45.9530"W	8732.53	321.760	1.12	-0.11	-1.12
16472.00	90.450	329.700	7497.97	8801.85	6940.66	-5453.16	1696033.14	422337.40	39°39'16.3629"N	80°34'46.5801"W	8826.65	321.844	0.25	0.14	0.21
16567.00	90.380	329.750	7497.28	8896.66	7022.70	-5501.05	1695985.25	422419.44	39°39'17.1679"N	80°34'47.2050"W	8920.76	321.928	0.09	-0.07	0.05
16662.00	90.380	329.320	7496.65	8991.49	7104.58	-5549.22	1695937.09	422501.32	39°39'17.9714"N	80°34'47.8333"W	9014.93	322.007	0.45	0.00	-0.45
16757.00	90.320	330.140	7496.07	9086.30	7186.63	-5597.10	1695889.21	422583.36	39°39'18.7765"N	80°34'48.4581"W	9109.07	322.088	0.87	-0.06	0.86
16851.00	90.230	329.170	7495.62	9180.12	7267.75	-5644.59	1695841.72	422664.47	39°39'19.5725"N	80°34'49.0777"W	9202.26	322.165	1.04	-0.10	-1.03
16946.00	90.410	329.880	7495.09	9274.95	7349.62	-5692.77	1695793.55	422746.34	39°39'20.3759"N	80°34'49.7062"W	9296.48	322.240	0.77	0.19	0.75
17041.00	90.200	329.770	7494.58	9369.75	7431.75	-5740.52	1695745.80	422828.46	39°39'21.1818"N	80°34'50.3293"W	9390.66	322.316	0.25	-0.22	-0.12
17136.00	89.860	328.730	7494.53	9464.61	7513.39	-5789.09	1695697.23	422910.10	39°39'21.9829"N	80°34'50.9629"W	9484.97	322.386	1.15	-0.36	-1.09
17231.00	89.980	329.530	7494.67	9559.48	7594.93	-5837.84	1695648.49	422991.64	39°39'22.7829"N	80°34'51.5986"W	9579.32	322.452	0.85	0.13	0.84
17325.00	89.860	329.740	7494.80	9653.31	7676.04	-5885.35	1695600.98	423072.74	39°39'23.5788"N	80°34'52.2185"W	9672.59	322.522	0.26	-0.13	0.22
17421.00	89.980	329.490	7494.93	9749.13	7758.85	-5933.91	1695552.42	423155.54	39°39'24.3914"N	80°34'52.8521"W	9767.86	322.592	0.29	0.12	-0.26
17516.00	90.010	329.630	7494.94	9843.96	7840.75	-5982.04	1695504.29	423237.44	39°39'25.1951"N	80°34'53.4800"W	9862.16	322.658	0.15	0.03	0.15
17611.00	89.950	329.530	7494.97	9938.79	7922.68	-6030.14	1695456.20	423319.36	39°39'25.9989"N	80°34'54.1076"W	9956.48	322.724	0.12	-0.06	-0.11
17705.00	89.950	329.430	7495.06	10032.63	8003.65	-6077.88	1695408.46	423400.33	39°39'26.7935"N	80°34'54.7303"W	10049.83	322.787	0.11	0.00	-0.11
17800.00	89.860	329.670	7495.21	10127.46	8085.55	-6126.03	1695360.32	423482.22	39°39'27.5971"N	80°34'55.3585"W	10144.18	322.851	0.27	-0.09	0.25
17895.00	89.890	329.740	7495.42	10222.28	8167.58	-6173.95	1695312.40	423564.25	39°39'28.4020"N	80°34'55.9838"W	10238.50	322.914	0.08	0.03	0.07
17990.00	89.640	328.910	7495.81	10317.13	8249.28	-6222.41	1695263.94	423645.95	39°39'29.2037"N	80°34'56.6160"W	10332.91	322.973	0.91	-0.26	-0.87
18085.00	88.840	329.500	7497.07	10411.98	8330.88	-6271.05	1695215.31	423727.54	39°39'30.0043"N	80°34'57.2503"W	10427.35	323.029	1.05	-0.84	0.62
18179.00	89.860	329.660	7498.14	10505.81	8411.93	-6318.64	1695167.72	423808.59	39°39'30.7996"N	80°34'57.8712"W	10520.73	323.088	1.10	1.09	0.17
18274.00	89.520	329.440	7498.65	10600.64	8493.83	-6366.78	1695119.58	423890.48	39°39'31.6032"N	80°34'58.4994"W	10615.13	323.146	0.43	-0.36	-0.23
18369.00	89.680	329.520	7499.31	10695.47	8575.66	-6415.02	1695071.34	423972.31	39°39'32.4062"N	80°34'59.1288"W	10709.55	323.202	0.19	0.17	0.08
18464.00	89.430	329.770	7500.05	10790.29	8657.64	-6463.03	1695023.33	424054.28	39°39'33.2105"N	80°34'59.7552"W	10803.96	323.258	0.37	-0.26	0.26
18559.00	89.610	329.820	7500.85	10885.10	8739.74	-6510.82	1694975.54	424136.37	39°39'34.0162"N	80°35'0.3789"W	10898.34	323.315	0.20	0.19	0.05
18654.00	89.490	329.550	7501.59	10979.91	8821.74	-6558.77	1694927.60	424218.37	39°39'34.8209"N	80°35'1.0046"W	10992.76	323.370	0.31	-0.13	-0.28
18749.00	89.710	330.830	7502.26	11074.67	8904.17	-6606.00	1694880.38	424300.79	39°39'35.6298"N	80°35'1.6211"W	11087.09	323.428	1.37	0.23	1.35

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Actual Wellpath Report

Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELLPATH DATA (291 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]
18844.00	89.210	330.370	7503.15	11169.38	8986.93	-6652.63	1694833.74	424383.55	39°39'36.4421"N	80°35'2.2300"W	11181.34	323.489	0.72	-0.53	-0.48
18939.00	89.740	330.390	7504.02	11264.11	9069.51	-6699.58	1694786.80	424466.13	39°39'37.2526"N	80°35'2.8431"W	11275.66	323.547	0.56	0.56	0.02
19034.00	89.610	330.630	7504.56	11358.84	9152.20	-6746.35	1694740.03	424548.81	39°39'38.0642"N	80°35'3.4537"W	11369.96	323.605	0.29	-0.14	0.25
19129.00	89.520	330.880	7505.28	11453.53	9235.09	-6792.76	1694693.63	424631.70	39°39'38.8778"N	80°35'4.0599"W	11464.23	323.664	0.28	-0.09	0.26
19225.00	89.830	330.710	7505.83	11549.21	9318.89	-6839.60	1694646.79	424715.49	39°39'39.7003"N	80°35'4.6717"W	11559.49	323.723	0.37	0.32	-0.18
19320.00	89.890	328.530	7506.06	11644.03	9400.84	-6887.64	1694598.75	424879.43	39°39'40.5045"N	80°35'5.2986"W	11653.98	323.771	2.30	0.06	-2.29
19415.00	89.920	330.460	7506.22	11738.86	9482.68	-6935.86	1694550.53	424879.27	39°39'41.3076"N	80°35'5.9278"W	11748.51	323.817	2.03	0.03	2.03
19510.00	90.070	331.080	7506.23	11833.55	9565.59	-6982.25	1694504.14	424962.17	39°39'42.1213"N	80°35'6.5337"W	11842.82	323.873	0.67	0.16	0.65
19606.00	89.920	331.000	7506.23	11929.20	9649.58	-7028.74	1694457.66	425046.16	39°39'42.9458"N	80°35'7.1410"W	11938.07	323.930	0.18	-0.16	-0.08
19701.00	90.040	330.700	7506.27	12023.88	9732.55	-7075.01	1694411.39	425129.13	39°39'43.7602"N	80°35'7.7454"W	12032.39	323.985	0.34	0.13	-0.32
19795.00	89.920	330.680	7506.30	12117.58	9814.52	-7121.03	1694365.38	425211.09	39°39'44.5647"N	80°35'8.3464"W	12125.75	324.037	0.13	-0.13	-0.02
19890.00	89.730	330.130	7506.59	12212.32	9897.12	-7167.94	1694318.47	425293.69	39°39'45.3755"N	80°35'8.9591"W	12220.17	324.086	0.61	-0.20	-0.58
19985.00	89.700	329.860	7507.06	12307.10	9979.39	-7215.45	1694270.96	425375.95	39°39'46.1828"N	80°35'9.5792"W	12314.66	324.132	0.29	-0.03	-0.28
20080.00	89.730	330.200	7507.53	12401.88	10061.69	-7262.91	1694223.51	425458.24	39°39'46.9904"N	80°35'10.1987"W	12409.16	324.177	0.36	0.03	0.36
20175.00	89.730	330.640	7507.98	12496.61	10144.30	-7309.80	1694176.62	425540.85	39°39'47.8013"N	80°35'10.8110"W	12503.60	324.224	0.46	0.00	0.46
20271.00	89.360	329.890	7508.74	12592.36	10227.66	-7357.41	1694129.01	425624.20	39°39'48.6193"N	80°35'11.4327"W	12599.07	324.270	0.87	-0.39	-0.78
20365.00	89.270	330.270	7509.87	12686.13	10309.13	-7404.30	1694082.13	425705.66	39°39'49.4188"N	80°35'12.0447"W	12692.58	324.313	0.42	-0.10	0.40
20460.00	88.870	330.470	7511.41	12780.86	10391.69	-7451.26	1694035.17	425788.23	39°39'50.2291"N	80°35'12.6579"W	12787.04	324.358	0.47	-0.42	0.21
20555.00	89.490	330.570	7512.77	12875.57	10474.38	-7498.00	1693988.42	425870.91	39°39'51.0407"N	80°35'13.2684"W	12881.49	324.403	0.66	0.65	0.11
20651.00	89.550	330.950	7513.57	12971.26	10558.15	-7544.90	1693941.54	425954.67	39°39'51.8629"N	80°35'13.8809"W	12976.90	324.450	0.40	0.06	0.40
20746.00	89.520	330.740	7514.35	13065.93	10641.11	-7591.18	1693895.26	426037.63	39°39'52.6772"N	80°35'14.4855"W	13071.31	324.497	0.22	-0.03	-0.22
20841.00	89.520	330.690	7515.14	13160.63	10723.96	-7637.64	1693848.79	426120.48	39°39'53.4905"N	80°35'15.0925"W	13165.75	324.541	0.05	0.00	-0.05
20936.00	89.550	330.720	7515.91	13255.32	10806.81	-7684.13	1693802.31	426203.32	39°39'54.3036"N	80°35'15.6996"W	13260.20	324.585	0.04	0.03	0.03
21031.00	89.460	330.870	7516.73	13350.01	10889.73	-7730.48	1693755.96	426286.24	39°39'55.1175"N	80°35'16.3051"W	13354.65	324.630	0.18	-0.09	0.16
21126.00	89.490	330.910	7517.60	13444.68	10972.73	-7776.69	1693709.75	426369.23	39°39'55.9322"N	80°35'16.9089"W	13449.08	324.674	0.05	0.03	0.04
21222.00	89.520	330.700	7518.43	13540.35	11056.53	-7823.52	1693662.93	426453.02	39°39'56.7548"N	80°35'17.5206"W	13544.53	324.717	0.22	0.03	-0.22
21316.00	90.320	331.040	7518.56	13634.03	11138.64	-7869.28	1693617.18	426535.13	39°39'57.5607"N	80°35'18.1184"W	13637.99	324.759	0.92	0.85	0.36
21411.00	90.130	330.670	7518.19	13728.71	11221.61	-7915.54	1693570.91	426618.10	39°39'58.3751"N	80°35'18.7228"W	13732.46	324.801	0.44	-0.20	-0.39
21506.00	90.100	330.670	7518.00	13823.41	11304.43	-7962.08	1693524.38	426700.91	39°39'59.1880"N	80°35'19.3306"W	13826.96	324.842	0.03	-0.03	0.00
21601.00	90.230	330.590	7517.73	13918.12	11387.22	-8008.67	1693477.79	426783.70	39°40'0.0006"N	80°35'19.9392"W	13921.48	324.881	0.16	0.14	-0.08

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Denver 5H AWP Proj: 26530'

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Slot	Slot 05		

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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]
21696.00	89.330	330.880	7518.09	14012.81	11470.10	-8055.11	1693431.35	426866.56	39°40'0.8140"N	80°35'20.5459"W	14015.99	324.921	1.00	-0.95	0.31
21790.00	90.160	330.720	7518.51	14106.50	11552.15	-8100.97	1693385.50	426948.61	39°40'1.6194"N	80°35'21.1449"W	14109.50	324.960	0.90	0.88	-0.17
21885.00	90.160	330.670	7518.24	14201.20	11634.99	-8147.47	1693339.00	427031.45	39°40'2.4325"N	80°35'21.7523"W	14204.02	324.998	0.05	0.00	-0.05
21980.00	89.730	330.410	7518.34	14295.92	11717.71	-8194.19	1693292.28	427114.16	39°40'3.2443"N	80°35'22.3626"W	14298.58	325.035	0.53	-0.45	-0.27
22076.00	89.670	330.700	7518.84	14391.64	11801.31	-8241.38	1693245.09	427197.75	39°40'4.0648"N	80°35'22.9790"W	14394.14	325.072	0.31	-0.06	0.30
22171.00	89.980	330.950	7519.13	14486.32	11884.25	-8287.69	1693198.79	427280.70	39°40'4.8790"N	80°35'23.5840"W	14488.66	325.109	0.42	0.33	0.26
22266.00	90.410	331.070	7518.81	14580.97	11967.35	-8333.73	1693152.75	427363.79	39°40'5.6947"N	80°35'24.1856"W	14583.16	325.148	0.47	0.45	0.13
22361.00	90.160	330.670	7518.33	14675.65	12050.33	-8379.98	1693106.51	427446.77	39°40'6.5092"N	80°35'24.7898"W	14677.69	325.185	0.50	-0.26	-0.42
22456.00	90.190	329.850	7518.04	14770.40	12132.82	-8427.10	1693059.38	427529.25	39°40'7.3187"N	80°35'25.4052"W	14772.32	325.217	0.86	0.03	-0.86
22551.00	90.100	329.440	7517.80	14865.22	12214.80	-8475.11	1693011.38	427611.22	39°40'8.1230"N	80°35'26.0318"W	14867.04	325.246	0.44	-0.09	-0.43
22646.00	90.010	329.440	7517.71	14960.07	12296.60	-8523.41	1692963.08	427693.02	39°40'8.9257"N	80°35'26.6621"W	14961.78	325.272	0.09	-0.09	0.00
22741.00	90.130	329.270	7517.59	15054.92	12378.33	-8571.84	1692914.66	427774.74	39°40'9.7276"N	80°35'27.2940"W	15056.54	325.298	0.22	0.13	-0.18
22836.00	90.040	328.710	7517.45	15149.80	12459.75	-8620.78	1692865.72	427856.16	39°40'10.5263"N	80°35'27.9325"W	15151.35	325.321	0.60	-0.09	-0.59
22932.00	90.320	329.520	7517.15	15245.67	12542.14	-8670.06	1692816.44	427938.54	39°40'11.3346"N	80°35'28.5754"W	15247.14	325.345	0.89	0.29	0.84
23027.00	90.260	329.500	7516.67	15340.50	12624.00	-8718.26	1692768.25	428020.40	39°40'12.1378"N	80°35'29.2044"W	15341.89	325.371	0.07	-0.06	-0.02
23122.00	90.220	329.630	7516.27	15435.33	12705.91	-8766.38	1692720.13	428102.30	39°40'12.9414"N	80°35'29.8325"W	15436.63	325.396	0.14	-0.04	0.14
23216.00	90.010	329.440	7516.08	15529.17	12786.93	-8814.04	1692672.47	428183.32	39°40'13.7364"N	80°35'30.4545"W	15530.39	325.421	0.30	-0.22	-0.20
23311.00	90.190	329.380	7515.92	15624.01	12868.71	-8862.38	1692624.13	428265.09	39°40'14.5388"N	80°35'31.0854"W	15625.16	325.446	0.20	0.19	-0.06
23406.00	90.160	329.510	7515.63	15718.85	12950.52	-8910.68	1692575.84	428346.90	39°40'15.3414"N	80°35'31.7157"W	15719.93	325.470	0.14	-0.03	0.14
23501.00	90.440	330.150	7515.13	15813.65	13032.65	-8958.42	1692528.10	428429.02	39°40'16.1473"N	80°35'32.3389"W	15814.65	325.496	0.74	0.29	0.67
23596.00	90.190	330.670	7514.61	15908.39	13115.26	-9005.33	1692481.19	428511.62	39°40'16.9580"N	80°35'32.9516"W	15909.30	325.525	0.61	-0.26	0.55
23690.00	90.320	330.050	7514.19	16002.13	13196.96	-9051.82	1692434.71	428593.32	39°40'17.7598"N	80°35'33.5588"W	16002.97	325.554	0.67	0.14	-0.66
23785.00	90.290	329.600	7513.69	16096.93	13279.08	-9099.57	1692386.96	428675.44	39°40'18.5657"N	80°35'34.1821"W	16097.71	325.579	0.47	-0.03	-0.47
23880.00	90.410	329.780	7513.10	16191.75	13361.09	-9147.51	1692339.02	428757.45	39°40'19.3704"N	80°35'34.8080"W	16192.46	325.603	0.23	0.13	0.19
23975.00	90.220	329.890	7512.58	16286.55	13443.23	-9195.25	1692291.29	428839.58	39°40'20.1763"N	80°35'35.4312"W	16287.20	325.628	0.23	-0.20	0.12
24070.00	89.980	329.680	7512.42	16381.36	13525.32	-9243.06	1692243.48	428921.66	39°40'20.9819"N	80°35'36.0553"W	16381.95	325.652	0.34	-0.25	-0.22
24165.00	90.160	329.840	7512.30	16476.17	13607.39	-9290.90	1692195.64	429003.73	39°40'21.7872"N	80°35'36.6799"W	16476.71	325.675	0.25	0.19	0.17
24260.00	89.980	329.690	7512.18	16570.98	13689.47	-9338.74	1692147.81	429085.80	39°40'22.5925"N	80°35'37.3044"W	16571.47	325.699	0.25	-0.19	-0.16
24355.00	90.100	329.900	7512.12	16665.79	13771.57	-9386.53	1692100.01	429167.90	39°40'23.3981"N	80°35'37.9283"W	16666.23	325.722	0.25	0.13	0.22
24449.00	89.890	329.140	7512.13	16759.62	13852.58	-9434.21	1692052.34	429248.90	39°40'24.1930"N	80°35'38.5506"W	16760.02	325.743	0.84	-0.22	-0.81



Actual Wellpath Report

Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELLPATH DATA (291 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]
24544.00	89.950	329.660	7512.26	16854.47	13934.35	-9482.57	1692003.98	429330.67	39°40'24.9952"N	80°35'39.1818"W	16854.83	325.764	0.55	0.06	0.55
24639.00	90.530	329.840	7511.86	16949.28	14016.42	-9530.43	1691956.13	429412.73	39°40'25.8004"N	80°35'39.8066"W	16949.60	325.786	0.64	0.61	0.19
24733.00	90.500	329.620	7511.02	17043.09	14097.60	-9577.81	1691908.75	429493.90	39°40'26.5970"N	80°35'40.4251"W	17043.38	325.808	0.24	-0.03	-0.23
24828.00	90.930	329.770	7509.83	17137.90	14179.61	-9625.74	1691860.82	429575.91	39°40'27.4017"N	80°35'41.0508"W	17138.15	325.830	0.48	0.45	0.16
24923.00	90.870	329.940	7508.34	17232.69	14261.75	-9673.44	1691813.12	429658.05	39°40'28.2077"N	80°35'41.6736"W	17232.91	325.852	0.19	-0.06	0.18
25018.00	90.190	329.460	7507.46	17327.50	14343.77	-9721.37	1691765.19	429740.06	39°40'29.0124"N	80°35'42.2993"W	17327.69	325.873	0.88	-0.72	-0.51
25114.00	90.560	330.650	7506.83	17423.27	14426.95	-9769.29	1691717.28	429823.24	39°40'29.8287"N	80°35'42.9251"W	17423.43	325.896	1.30	0.39	1.24
25304.00	90.620	328.320	7504.87	17612.92	14590.61	-9865.75	1691620.82	429986.89	39°40'31.4344"N	80°35'44.1842"W	17613.04	325.935	1.23	0.03	-1.23
25399.00	91.020	328.670	7503.52	17707.83	14671.60	-9915.39	1691571.18	430067.87	39°40'32.2288"N	80°35'44.8316"W	17707.93	325.948	0.56	0.42	0.37
25495.00	91.020	328.770	7501.81	17803.72	14753.63	-9965.23	1691521.35	430149.90	39°40'33.0335"N	80°35'45.4817"W	17803.81	325.963	0.10	0.00	0.10
25590.00	90.810	327.900	7500.29	17898.64	14834.48	-10015.09	1691471.49	430230.74	39°40'33.8264"N	80°35'46.1320"W	17898.71	325.976	0.94	-0.22	-0.92
25685.00	90.710	328.600	7499.03	17993.57	14915.26	-10065.08	1691421.51	430311.51	39°40'34.6186"N	80°35'46.7838"W	17993.63	325.988	0.74	-0.11	0.74
25780.00	90.740	328.650	7497.83	18088.47	14996.36	-10114.54	1691372.05	430392.61	39°40'35.4141"N	80°35'47.4289"W	18088.52	326.002	0.06	0.03	0.05
25875.00	90.740	328.820	7496.60	18183.36	15077.56	-10163.84	1691322.76	430473.80	39°40'36.2106"N	80°35'48.0721"W	18183.41	326.016	0.18	0.00	0.18
25970.00	90.800	328.440	7495.32	18278.26	15158.66	-10213.28	1691273.31	430554.90	39°40'37.0062"N	80°35'48.7171"W	18278.30	326.030	0.40	0.06	-0.40
26065.00	90.710	329.990	7494.07	18373.12	15240.27	-10261.90	1691224.70	430636.50	39°40'37.8067"N	80°35'49.3516"W	18373.14	326.046	1.63	-0.09	1.63
26160.00	90.710	329.940	7492.89	18467.90	15322.50	-10309.45	1691177.15	430718.73	39°40'38.6137"N	80°35'49.9724"W	18467.91	326.066	0.05	0.00	-0.05
26255.00	90.070	329.730	7492.25	18562.70	15404.64	-10357.18	1691129.42	430800.86	39°40'39.4196"N	80°35'50.5957"W	18562.71	326.085	0.71	-0.67	-0.22
26349.00	90.190	329.630	7492.03	18656.52	15485.78	-10404.64	1691081.97	430882.00	39°40'40.2157"N	80°35'51.2153"W	18656.52	326.104	0.17	0.13	-0.11
26505.00	90.280	329.950	7491.39	18812.20	15620.59	-10483.13	1691003.48	431016.80	39°40'41.5385"N	80°35'52.2401"W	18812.20	326.134	0.21	0.06	0.21
26530.00†	90.280	329.950	7491.27	18837.14	15642.23	-10495.65	1690990.96	431038.44	39°40'41.7508"N	80°35'52.4036"W	18837.14	326.139	0.00	0.00	0.00

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Actual Wellpath Report

Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

HOLE & CASING SECTIONS - Ref Wellbore: Denver 5H AWB Ref Wellpath: Denver 5H AWP Proj: 26530'

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]
17.5in Open Hole	28.00	1219.00	1191.00	28.00	1218.99	0.00	0.00	0.22	0.98
13.375in Casing Surface	28.00	1219.00	1191.00	28.00	1218.99	0.00	0.00	0.22	0.98
12.25in Open Hole	1219.00	2652.00	1433.00	1218.99	2651.99	0.22	0.98	-0.74	3.46
9.625in Casing Intermediate	28.00	2652.00	2624.00	28.00	2651.99	0.00	0.00	-0.74	3.46
8.75in Open Hole	2652.00	6952.00	4300.00	2651.99	6795.27	-0.74	3.46	-812.78	-730.70
8.5in Open Hole	6952.00	26530.00	19578.00	6795.27	7491.27	-812.78	-730.70	15642.23	-10495.65
6in Casing Production	28.00	26530.00	26502.00	28.00	7491.27	0.00	0.00	15642.23	-10495.65

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Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Weitzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Denver 5H LP Rev-1	7472.97	-351.10	-1206.94	1700279.11	415046.09	39°38'4.8034"N	80°33'51.1912"W	point
Denver 5H BHL Rev-1	7473.00	15643.65	-10496.48	1690990.13	431039.86	39°40'41.7648"N	80°35'52.4145"W	point
Denver Hardline 1 (7.31.23)	8000.00	10739.40	-10192.32	1691294.27	426135.91	39°39'53.3361"N	80°35'47.7592"W	2D Polygon: dimensions not calculated polygon
Denver Hardline 2 (7.31.23)	8000.00	11241.62	-9327.57	1692158.97	426638.10	39°39'58.4033"N	80°35'36.7805"W	2D Polygon: dimensions not calculated polygon
Denver Hardline 3 (7.31.23)	8000.00	15543.23	-10669.46	1690817.16	430939.45	39°40'40.7515"N	80°35'54.6110"W	2D Polygon: dimensions not calculated polygon
Denver Hardline 4 (7.31.23)	8000.00	13225.13	-8166.69	1693319.78	428621.49	39°40'18.1445"N	80°35'22.2448"W	2D Polygon: dimensions not calculated polygon
Denver Hardline 5 (7.31.23)	8000.00	10930.53	-5677.58	1695808.73	426327.03	39°39'55.7656"N	80°34'50.0628"W	2D Polygon: dimensions not calculated polygon

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Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

WELLPATH COMPOSITION - Ref Wellbore: Denver 5H AWB Ref Wellpath: Denver 5H AWP Proj: 26530'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2599.00	Gyrodata 2015 - CT+WIR+DPIPE	01 Gyrodata Cont Gyro <12-1/4">(115'-2599')	Denver 5H AWB	7/27/2023
2599.00	6877.00	OWSG MWD rev2 + HRGM	02 SDI MWD <8-3/4">(2599')(2685'-6877')	Denver 5H AWB	7/27/2023
6877.00	26530.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SQC IFR1+SAG+FDIR <8-1/2">(6877')(6918'-26505')	Denver 5H AWB	8/12/2023

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Denver 5H AWP Proj: 26530'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 5H
Field	Wetzel	API	47-103-03515-0000
Facility	Denver Pad	Wellbore	Denver 5H AWB
Slot	Slot 05		

COMMENTS

Wellpath general comments

API: 47-103-03515-0000

BH Job #: 111914498

Rig: Patterson 292

Duration: 8/15/2023-8/18/2023

01_Gyrodata Cont Gyro <12-1/4">(115'-2599')

02_SDI MWD <8-3/4">(2599')(2685'-6877')

03_BH Lucida+SQC IFR1+SAG+FDIR <8-1/2">(6877')(6918'-26505')

Landing Pt. @ 8009' MD

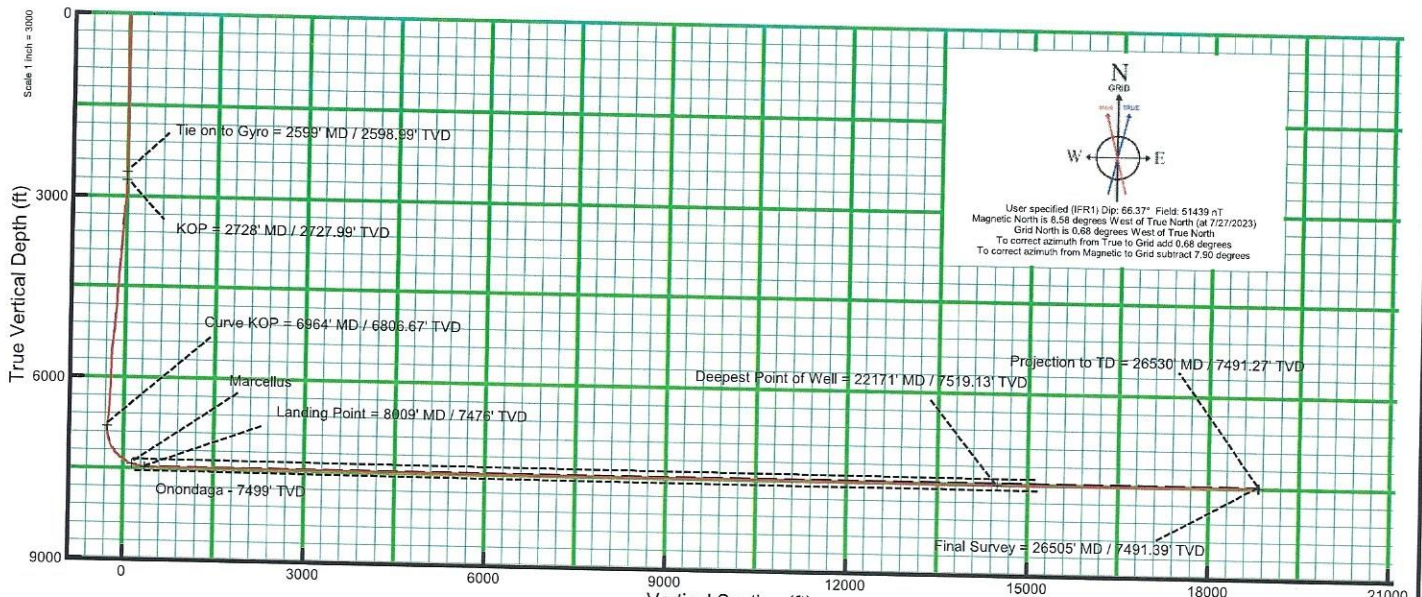
Final Survey @ 26505' MD

Projected MD at TD: 26530'

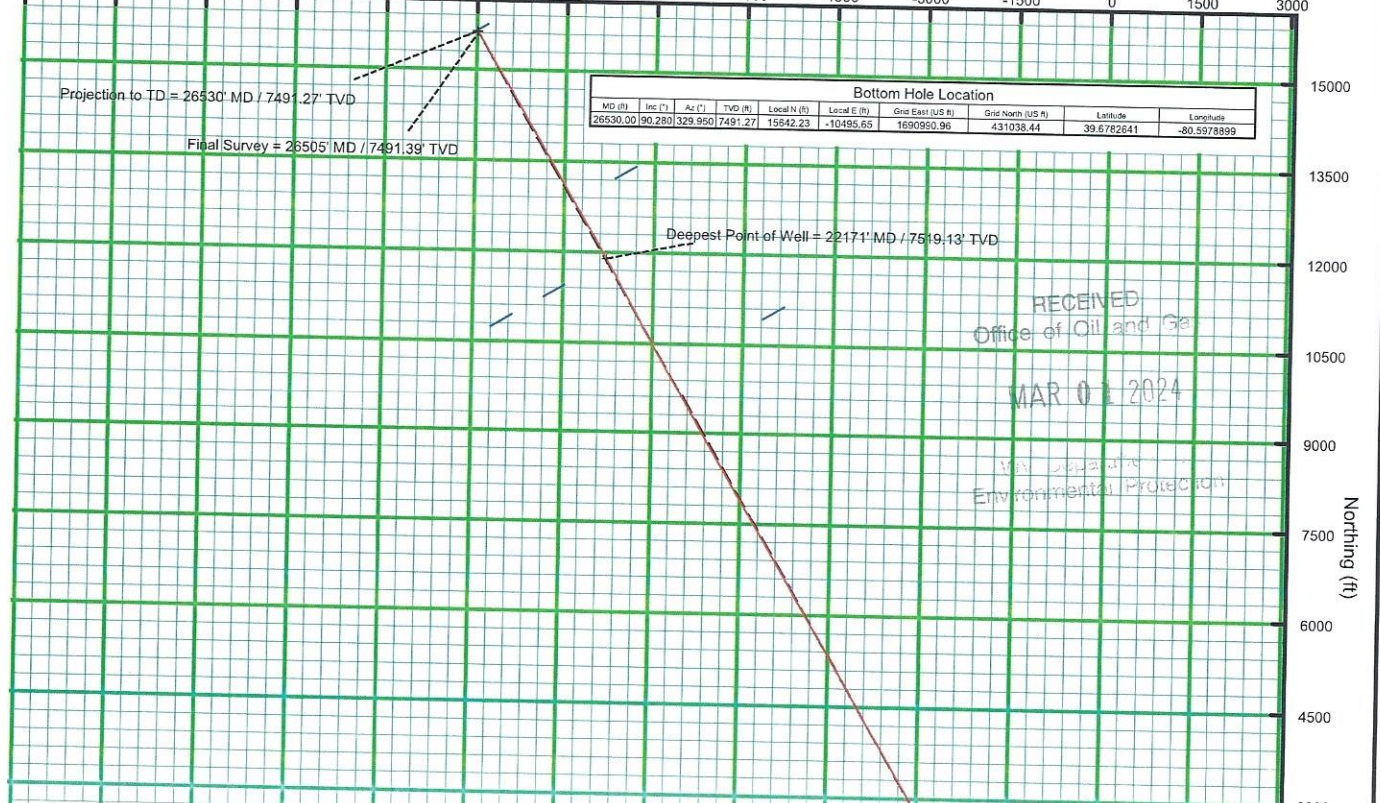
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KB Elevation=1379 FT
 Ground Elevation=1351 FT
 All Survey Measurements were taken from KB Elevation



Scale 1 inch = 3000
 Azimuth 326.14° with reference 0.00 N, 0.00 E
 Vertical Section (ft)
 Easting (ft)
 Scale 1 inch = 3000



Bottom Hole Location									
MD (ft)	Incl (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
26530.00	90.280	329.950	7491.27	15842.23	-10495.65	1690950.96	431038.44	39.6782641	-80.5978899

Landing Point									
MD (ft)	Incl (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
8009	87.83	330.11	7478.00	-382.92	-1179.8	1700306.44	415034.27	39.6346361	-80.5641282

KOP									
MD (ft)	Incl (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
2728	1.74	317.7	2727.98	-0.86	3.9	1700333.48	415394.24	39.6346361	-80.5593322

Surface Location			
Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
1700333.48	415394.24	39.6346361	-80.5593322

06/21/2024