



# Actual Wellpath Report

Denver 7H AWP Proj: 23106'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

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	8/29/2023 at 12:38:07 PM
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	-14.22	42.69	1701500.20	415392.43	39°38'8.3690"N	80°33'35.6362"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 07)	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	329.01°

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Slot	Slot 07		

WELLPATH DATA (251 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	179.020	0.00	0.00	0.00	0.00	1701500.20	415392.43	39°38'8.3690"N	80°33'35.6362"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	179.020	28.00	0.00	0.00	0.00	1701500.20	415392.43	39°38'8.3690"N	80°33'35.6362"W	0.00	0.000	0.00	0.00	0.00
115.00	0.160	179.020	115.00	-0.11	-0.12	0.00	1701500.20	415392.31	39°38'8.3678"N	80°33'35.6362"W	0.12	179.020	0.18	0.18	0.00
215.00	0.060	171.490	215.00	-0.27	-0.31	0.01	1701500.21	415392.12	39°38'8.3659"N	80°33'35.6360"W	0.31	177.764	0.10	-0.10	-7.53
315.00	0.180	171.240	315.00	-0.47	-0.52	0.04	1701500.24	415391.91	39°38'8.3639"N	80°33'35.6356"W	0.52	175.175	0.12	0.12	-0.25
415.00	0.200	232.700	415.00	-0.63	-0.78	-0.07	1701500.13	415391.65	39°38'8.3613"N	80°33'35.6370"W	0.78	185.197	0.19	0.02	61.46
515.00	0.040	222.970	515.00	-0.66	-0.91	-0.23	1701499.97	415391.52	39°38'8.3599"N	80°33'35.6391"W	0.94	194.367	0.16	-0.16	-9.73
615.00	0.040	223.010	615.00	-0.68	-0.96	-0.28	1701499.92	415391.47	39°38'8.3594"N	80°33'35.6397"W	1.00	196.277	0.00	0.00	0.04
715.00	0.040	70.270	715.00	-0.70	-0.98	-0.27	1701499.93	415391.45	39°38'8.3593"N	80°33'35.6395"W	1.01	195.569	0.08	0.00	-152.74
815.00	0.110	318.620	815.00	-0.61	-0.89	-0.30	1701499.90	415391.54	39°38'8.3601"N	80°33'35.6399"W	0.94	198.728	0.13	0.07	-111.65
915.00	0.130	355.510	915.00	-0.41	-0.71	-0.38	1701499.82	415391.72	39°38'8.3620"N	80°33'35.6409"W	0.80	207.916	0.08	0.02	36.89
1015.00	0.040	345.850	1015.00	-0.28	-0.56	-0.39	1701499.81	415391.87	39°38'8.3634"N	80°33'35.6411"W	0.68	214.977	0.09	-0.09	-9.66
1115.00	0.080	157.350	1115.00	-0.31	-0.59	-0.37	1701499.83	415391.84	39°38'8.3631"N	80°33'35.6409"W	0.70	212.311	0.12	0.04	171.50
1215.00	0.080	127.530	1215.00	-0.45	-0.70	-0.29	1701499.91	415391.73	39°38'8.3621"N	80°33'35.6398"W	0.76	202.680	0.04	0.00	-29.82
1315.00	0.130	153.850	1315.00	-0.63	-0.84	-0.19	1701500.01	415391.59	39°38'8.3606"N	80°33'35.6385"W	0.86	192.481	0.07	0.05	26.32
1415.00	0.180	134.850	1415.00	-0.89	-1.06	-0.03	1701500.17	415391.37	39°38'8.3586"N	80°33'35.6364"W	1.06	181.370	0.07	0.05	-19.00
1515.00	0.370	110.810	1515.00	-1.30	-1.28	0.39	1701500.59	415391.15	39°38'8.3564"N	80°33'35.6311"W	1.34	163.153	0.22	0.19	-24.04
1615.00	0.300	87.940	1614.99	-1.68	-1.39	0.95	1701501.15	415391.04	39°38'8.3554"N	80°33'35.6238"W	1.68	145.541	0.15	-0.07	-22.87
1715.00	0.330	92.560	1714.99	-1.96	-1.39	1.50	1701501.70	415391.04	39°38'8.3554"N	80°33'35.6168"W	2.05	132.804	0.04	0.03	4.62
1815.00	0.410	91.240	1814.99	-2.31	-1.41	2.15	1701502.35	415391.02	39°38'8.3553"N	80°33'35.6086"W	2.57	123.314	0.08	0.08	-1.32
1915.00	0.380	73.020	1914.99	-2.59	-1.32	2.82	1701503.02	415391.11	39°38'8.3563"N	80°33'35.6000"W	3.12	115.099	0.13	-0.03	-18.22
2015.00	0.330	67.220	2014.99	-2.71	-1.11	3.40	1701503.60	415391.32	39°38'8.3584"N	80°33'35.5925"W	3.58	108.109	0.06	-0.05	-5.80
2115.00	0.230	77.630	2114.99	-2.81	-0.96	3.87	1701504.06	415391.47	39°38'8.3600"N	80°33'35.5867"W	3.98	103.928	0.11	-0.10	10.41
2215.00	0.520	120.560	2214.98	-3.27	-1.15	4.45	1701504.65	415391.28	39°38'8.3582"N	80°33'35.5791"W	4.60	104.438	0.38	0.29	42.93
2315.00	0.500	109.830	2314.98	-4.01	-1.52	5.25	1701505.45	415390.91	39°38'8.3545"N	80°33'35.5688"W	5.47	106.188	0.10	-0.02	-10.73
2415.00	0.410	105.130	2414.98	-4.61	-1.77	6.01	1701506.21	415390.66	39°38'8.3522"N	80°33'35.5591"W	6.26	106.381	0.10	-0.09	-4.70
2515.00	0.360	119.990	2514.97	-5.14	-2.02	6.63	1701506.83	415390.41	39°38'8.3498"N	80°33'35.5512"W	6.93	106.928	0.11	-0.05	14.86
2574.00	0.370	111.620	2573.97	-5.45	-2.18	6.96	1701507.16	415390.25	39°38'8.3483"N	80°33'35.5469"W	7.30	107.379	0.09	0.02	-14.19
2657.00	0.390	148.510	2656.97	-5.95	-2.52	7.36	1701507.56	415389.91	39°38'8.3450"N	80°33'35.5417"W	7.78	108.894	0.29	0.02	44.45
2700.00	0.240	202.100	2699.97	-6.15	-2.73	7.40	1701507.60	415389.70	39°38'8.3429"N	80°33'35.5412"W	7.89	110.224	0.73	-0.35	124.63

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Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

WELLPATH DATA (251 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]
2743.00	0.920	156.350	2742.97	-6.55	-3.13	7.51	1701507.71	415389.30	39°38'8.3390"N	80°33'35.5398"W	8.13	112.612	1.80	1.58	-106.40
2786.00	2.200	166.700	2785.95	-7.68	-4.25	7.84	1701508.04	415388.18	39°38'8.3279"N	80°33'35.5354"W	8.91	118.454	3.04	2.98	24.07
2830.00	3.690	164.030	2829.89	-9.85	-6.43	8.42	1701508.62	415386.00	39°38'8.3064"N	80°33'35.5276"W	10.59	127.366	3.40	3.39	-6.07
2873.00	5.280	162.250	2872.76	-13.11	-9.64	9.40	1701509.60	415382.79	39°38'8.2748"N	80°33'35.5146"W	13.47	135.723	3.71	3.70	-4.14
2916.00	6.540	167.490	2915.53	-17.36	-13.92	10.54	1701510.74	415378.51	39°38'8.2327"N	80°33'35.4994"W	17.46	142.873	3.18	2.93	12.19
3002.00	7.660	180.740	3000.88	-26.88	-24.43	11.52	1701511.72	415368.00	39°38'8.1289"N	80°33'35.4852"W	27.01	154.748	2.30	1.30	15.41
3089.00	7.260	180.000	3087.14	-36.52	-35.73	11.45	1701511.65	415356.70	39°38'8.0172"N	80°33'35.4845"W	37.52	162.231	0.47	-0.46	-0.85
3175.00	7.170	184.840	3172.46	-45.53	-46.51	11.00	1701511.20	415345.92	39°38'7.9106"N	80°33'35.4886"W	47.79	166.697	0.71	-0.10	5.63
3262.00	5.810	188.780	3258.90	-53.32	-56.27	9.87	1701510.07	415336.16	39°38'7.8140"N	80°33'35.5016"W	57.13	170.055	1.64	-1.56	4.53
3348.00	5.390	194.760	3344.49	-59.48	-64.48	8.17	1701508.37	415327.95	39°38'7.7327"N	80°33'35.5220"W	65.00	172.776	0.84	-0.49	6.95
3435.00	4.960	188.660	3431.14	-65.23	-72.15	6.57	1701506.77	415320.28	39°38'7.6567"N	80°33'35.5414"W	72.45	174.800	0.80	-0.49	-7.01
3521.00	5.220	192.880	3516.80	-70.91	-79.64	5.13	1701505.33	415312.80	39°38'7.5826"N	80°33'35.5586"W	79.80	176.311	0.53	0.30	4.91
3608.00	4.940	188.380	3603.46	-76.66	-87.20	3.71	1701503.91	415305.23	39°38'7.5076"N	80°33'35.5757"W	87.28	177.567	0.56	-0.32	-5.17
3694.00	4.420	187.760	3689.17	-82.11	-94.15	2.72	1701502.92	415298.29	39°38'7.4389"N	80°33'35.5873"W	94.19	178.346	0.61	-0.60	-0.72
3780.00	4.150	184.880	3774.93	-87.22	-100.53	2.01	1701502.21	415291.90	39°38'7.3757"N	80°33'35.5954"W	100.55	178.857	0.40	-0.31	-3.35
3867.00	4.370	187.600	3861.69	-92.36	-106.96	1.30	1701501.50	415285.48	39°38'7.3122"N	80°33'35.6035"W	106.96	179.303	0.34	0.25	3.13
3953.00	4.810	190.520	3947.41	-97.62	-113.75	0.21	1701500.41	415278.69	39°38'7.2449"N	80°33'35.6164"W	113.75	179.895	0.58	0.51	3.40
4040.00	4.300	184.980	4034.14	-102.99	-120.58	-0.74	1701499.46	415271.85	39°38'7.1772"N	80°33'35.6275"W	120.59	180.352	0.77	-0.59	-6.37
4126.00	4.910	183.270	4119.86	-108.64	-127.47	-1.23	1701498.97	415264.97	39°38'7.1091"N	80°33'35.6327"W	127.48	180.553	0.73	0.71	-1.99
4213.00	5.320	180.270	4206.51	-115.17	-135.22	-1.46	1701498.74	415257.22	39°38'7.0325"N	80°33'35.6345"W	135.23	180.619	0.56	0.47	-3.45
4299.00	5.130	180.180	4292.15	-121.87	-143.05	-1.49	1701498.71	415249.39	39°38'6.9551"N	80°33'35.6337"W	143.06	180.598	0.22	-0.22	-0.10
4386.00	4.810	182.100	4378.83	-128.25	-150.59	-1.64	1701498.56	415241.85	39°38'6.8806"N	80°33'35.6344"W	150.60	180.623	0.41	-0.37	2.21
4472.00	4.570	176.590	4464.54	-134.31	-157.61	-1.57	1701498.63	415234.83	39°38'6.8112"N	80°33'35.6325"W	157.62	180.569	0.59	-0.28	-6.41
4559.00	5.420	176.810	4551.21	-141.01	-165.17	-1.13	1701499.07	415227.27	39°38'6.7365"N	80°33'35.6258"W	165.18	180.393	0.98	0.98	0.25
4645.00	5.970	171.100	4636.78	-148.75	-173.65	-0.21	1701499.99	415218.79	39°38'6.6529"N	80°33'35.6128"W	173.65	180.071	0.92	0.64	-6.64
4732.00	6.170	169.870	4723.30	-157.31	-182.72	1.31	1701501.51	415209.72	39°38'6.5634"N	80°33'35.5919"W	182.72	179.590	0.27	0.23	-1.41
4818.00	6.460	167.450	4808.78	-166.22	-191.99	3.17	1701503.37	415200.45	39°38'6.4720"N	80°33'35.5667"W	192.02	179.053	0.46	0.34	-2.81
4905.00	6.290	168.840	4895.24	-175.35	-201.44	5.16	1701505.36	415191.00	39°38'6.3788"N	80°33'35.5399"W	201.51	178.533	0.26	-0.20	1.60
4991.00	5.520	181.610	4980.78	-183.26	-210.20	5.95	1701506.15	415182.24	39°38'6.2924"N	80°33'35.5284"W	210.29	178.377	1.77	-0.90	14.85
5069.00	5.550	183.430	5058.42	-189.53	-217.72	5.62	1701505.82	415174.73	39°38'6.2181"N	80°33'35.5315"W	217.79	178.521	0.23	0.04	2.33

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Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

## WELLPATH DATA (251 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]
5155.00	6.170	174.010	5143.97	-197.15	-226.47	5.86	1701506.06	415165.98	39°38'6.1316"N	80°33'35.5272"W	226.54	178.519	1.33	0.72	-10.95
5242.00	6.200	182.130	5230.47	-205.33	-235.81	6.17	1701506.37	415156.63	39°38'6.0393"N	80°33'35.5218"W	235.89	178.501	1.01	0.03	9.33
5329.00	6.750	180.330	5316.91	-213.63	-245.62	5.97	1701506.17	415146.83	39°38'5.9424"N	80°33'35.5229"W	245.69	178.609	0.67	0.63	-2.07
5415.00	7.520	174.690	5402.25	-223.02	-256.28	6.46	1701506.66	415136.17	39°38'5.8371"N	80°33'35.5150"W	256.36	178.557	1.21	0.90	-6.56
5502.00	6.990	175.560	5488.55	-232.88	-267.22	7.39	1701507.59	415125.22	39°38'5.7291"N	80°33'35.5014"W	267.32	178.415	0.62	-0.61	1.00
5588.00	7.100	186.930	5573.91	-241.76	-277.72	7.16	1701507.36	415114.73	39°38'5.6253"N	80°33'35.5028"W	277.81	178.524	1.62	0.13	13.22
5674.00	6.320	193.180	5659.32	-249.35	-287.60	5.44	1701505.64	415104.85	39°38'5.5274"N	80°33'35.5233"W	287.65	178.917	1.24	-0.91	7.27
5761.00	5.420	194.090	5745.86	-255.68	-296.25	3.35	1701503.54	415096.20	39°38'5.4417"N	80°33'35.5488"W	296.27	179.353	1.04	-1.03	1.05
5847.00	5.760	186.600	5831.45	-261.97	-304.47	1.86	1701502.06	415087.97	39°38'5.3603"N	80°33'35.5665"W	304.48	179.650	0.94	0.40	-8.71
5934.00	4.780	192.700	5918.08	-268.05	-312.35	0.56	1701500.76	415080.10	39°38'5.2823"N	80°33'35.5819"W	312.35	179.897	1.30	-1.13	7.01
6020.00	4.540	198.610	6003.80	-272.85	-319.07	-1.31	1701498.89	415073.38	39°38'5.2157"N	80°33'35.6049"W	319.07	180.236	0.62	-0.28	6.87
6107.00	5.050	193.600	6090.50	-277.81	-326.05	-3.31	1701496.89	415066.40	39°38'5.1464"N	80°33'35.6294"W	326.07	180.582	0.76	0.59	-5.76
6193.00	4.740	192.970	6176.18	-283.06	-333.20	-5.00	1701495.20	415059.25	39°38'5.0756"N	80°33'35.6499"W	333.23	180.860	0.37	-0.36	-0.73
6279.00	5.290	197.580	6261.85	-288.24	-340.44	-6.99	1701493.21	415052.01	39°38'5.0038"N	80°33'35.6743"W	340.51	181.177	0.79	0.64	5.36
6366.00	5.990	194.460	6348.43	-294.08	-348.66	-9.34	1701490.86	415043.79	39°38'4.9223"N	80°33'35.7030"W	348.78	181.534	0.88	0.80	-3.59
6452.00	5.660	193.090	6433.99	-300.27	-357.13	-11.42	1701488.78	415035.32	39°38'4.8383"N	80°33'35.7283"W	357.32	181.832	0.42	-0.38	-1.59
6538.00	5.420	189.470	6519.59	-306.41	-365.27	-13.05	1701487.15	415027.18	39°38'4.7577"N	80°33'35.7479"W	365.50	182.046	0.49	-0.28	-4.21
6625.00	6.180	185.420	6606.14	-313.31	-373.98	-14.17	1701486.03	415018.47	39°38'4.6715"N	80°33'35.7609"W	374.25	182.169	0.99	0.87	-4.66
6714.00	6.910	179.860	6694.56	-321.76	-384.11	-14.61	1701485.59	415008.35	39°38'4.5714"N	80°33'35.7650"W	384.39	182.178	1.09	0.82	-6.25
6781.00	6.530	183.910	6761.10	-328.34	-391.94	-14.86	1701485.34	415000.51	39°38'4.4939"N	80°33'35.7670"W	392.22	182.171	0.91	-0.57	6.04
6876.00	5.730	287.710	6855.78	-329.21	-395.90	-19.75	1701480.45	414996.56	39°38'4.4543"N	80°33'35.8290"W	396.39	182.857	10.16	-0.84	109.26
6971.00	11.520	322.880	6949.72	-316.20	-386.88	-30.01	1701470.19	415005.58	39°38'4.5422"N	80°33'35.9614"W	388.04	184.436	7.98	6.09	37.02
7066.00	18.400	317.190	7041.45	-292.06	-368.29	-45.95	1701454.26	415024.16	39°38'4.7240"N	80°33'36.1679"W	371.14	187.111	7.40	7.24	-5.99
7160.00	26.070	325.740	7128.42	-256.86	-340.28	-67.69	1701432.51	415052.17	39°38'4.9983"N	80°33'36.4500"W	346.95	191.251	8.84	8.16	9.10
7255.00	35.240	327.580	7210.06	-208.51	-299.81	-94.20	1701406.01	415092.64	39°38'5.3952"N	80°33'36.7949"W	314.26	197.442	9.70	9.65	1.94
7351.00	43.140	327.860	7284.40	-147.91	-248.56	-126.56	1701373.65	415143.89	39°38'5.8979"N	80°33'37.2162"W	278.92	206.984	8.23	8.23	0.29
7446.00	51.710	328.790	7348.62	-78.03	-189.06	-163.22	1701336.99	415203.39	39°38'6.4816"N	80°33'37.6938"W	249.77	220.806	9.05	9.02	0.98
7541.00	60.760	330.210	7401.36	0.86	-121.06	-203.22	1701296.99	415271.38	39°38'7.1490"N	80°33'38.2152"W	236.54	239.218	9.61	9.53	1.49
7637.00	70.340	330.510	7441.05	88.12	-45.18	-246.38	1701253.84	415347.25	39°38'7.8937"N	80°33'38.7783"W	250.49	259.608	9.98	9.98	0.31
7732.00	78.720	330.720	7466.37	179.56	34.53	-291.26	1701208.96	415426.95	39°38'8.6762"N	80°33'39.3639"W	293.30	276.760	8.82	8.82	0.22

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

## WELLPATH DATA (251 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]
7827.00	86.210	330.840	7478.82	273.63	116.66	-337.20	1701163.02	415509.09	39°38'9.4826"N	80°33'39.9635"W	356.81	289.084	7.89	7.88	0.13
7923.00	88.920	330.570	7482.90	369.49	200.30	-384.13	1701116.09	415592.72	39°38'10.3036"N	80°33'40.5759"W	433.22	297.539	2.84	2.82	-0.28
8018.00	88.860	330.050	7484.74	464.45	282.81	-431.17	1701069.05	415675.23	39°38'11.1136"N	80°33'41.1896"W	515.65	303.261	0.55	-0.06	-0.55
8113.00	90.520	330.170	7485.25	559.43	365.17	-478.51	1701021.72	415757.58	39°38'11.9220"N	80°33'41.8071"W	601.94	307.349	1.75	1.75	0.13
8208.00	89.840	329.980	7484.95	654.41	447.51	-525.91	1700974.33	415839.91	39°38'12.7301"N	80°33'42.4253"W	690.54	310.395	0.74	-0.72	-0.20
8303.00	89.600	329.670	7485.42	749.40	529.63	-573.66	1700926.58	415922.03	39°38'13.5361"N	80°33'43.0480"W	780.76	312.715	0.41	-0.25	-0.33
8398.00	90.370	329.990	7485.44	844.39	611.76	-621.40	1700878.84	416004.16	39°38'14.3422"N	80°33'43.6706"W	872.00	314.552	0.88	0.81	0.34
8493.00	90.000	330.180	7485.13	939.37	694.11	-668.78	1700831.46	416086.49	39°38'15.1504"N	80°33'44.2886"W	963.87	316.065	0.44	-0.39	0.20
8588.00	89.690	328.660	7485.39	1034.37	775.89	-717.11	1700783.14	416168.27	39°38'15.9530"N	80°33'44.9186"W	1056.53	317.255	1.63	-0.33	-1.60
8683.00	89.690	329.730	7485.91	1129.36	857.48	-765.76	1700734.49	416249.86	39°38'16.7536"N	80°33'45.5528"W	1149.64	318.234	1.13	0.00	1.13
8779.00	89.810	330.450	7486.32	1225.34	940.70	-813.62	1700686.63	416333.07	39°38'17.5704"N	80°33'46.1772"W	1243.74	319.143	0.76	0.13	0.75
8874.00	90.150	330.360	7486.36	1320.32	1023.30	-860.54	1700639.71	416415.67	39°38'18.3812"N	80°33'46.7893"W	1337.04	319.938	0.37	0.36	-0.09
8969.00	89.500	329.780	7486.65	1415.30	1105.63	-907.94	1700592.32	416497.99	39°38'19.1893"N	80°33'47.4076"W	1430.66	320.607	0.92	-0.68	-0.61
9064.00	90.240	330.940	7486.86	1510.27	1188.20	-954.92	1700545.34	416580.56	39°38'19.9998"N	80°33'48.0206"W	1524.37	321.212	1.45	0.78	1.22
9159.00	89.900	330.460	7486.75	1605.23	1271.05	-1001.41	1700498.85	416663.40	39°38'20.8131"N	80°33'48.6273"W	1618.14	321.767	0.62	-0.36	-0.51
9254.00	90.090	330.020	7486.76	1700.21	1353.52	-1048.57	1700451.70	416745.86	39°38'21.6225"N	80°33'49.2425"W	1712.16	322.235	0.50	0.20	-0.46
9349.00	89.660	329.570	7486.96	1795.20	1435.62	-1096.36	1700403.91	416827.96	39°38'22.4283"N	80°33'49.8658"W	1806.38	322.632	0.66	-0.45	-0.47
9445.00	90.150	331.060	7487.12	1891.17	1519.02	-1143.90	1700356.37	416911.35	39°38'23.2469"N	80°33'50.4861"W	1901.56	323.018	1.63	0.51	1.55
9540.00	89.690	329.200	7487.25	1986.15	1601.39	-1191.21	1700309.06	416993.72	39°38'24.0555"N	80°33'51.1032"W	1995.86	323.356	2.02	-0.48	-1.96
9635.00	89.500	330.490	7487.93	2081.13	1683.53	-1238.93	1700261.34	417075.86	39°38'24.8616"N	80°33'51.7256"W	2090.27	323.650	1.37	-0.20	1.36
9729.00	91.170	331.450	7487.38	2175.07	1765.72	-1284.54	1700215.73	417158.04	39°38'25.6685"N	80°33'52.3211"W	2183.53	323.964	2.05	1.78	1.02
9919.00	89.660	330.680	7486.00	2364.94	1931.99	-1376.46	1700123.82	417324.30	39°38'27.3009"N	80°33'53.5211"W	2372.18	324.532	0.89	-0.79	-0.41
10014.00	88.920	331.550	7487.18	2459.86	2015.16	-1422.35	1700077.94	417407.47	39°38'28.1174"N	80°33'54.1202"W	2466.57	324.785	1.20	-0.78	0.92
10109.00	89.540	330.720	7488.45	2554.79	2098.35	-1468.21	1700032.08	417490.65	39°38'28.9342"N	80°33'54.7190"W	2561.00	325.020	1.09	0.65	-0.87
10204.00	89.290	329.120	7489.42	2649.77	2180.55	-1515.82	1699984.48	417572.85	39°38'29.7409"N	80°33'55.3400"W	2655.65	325.195	1.70	-0.26	-1.68
10298.00	89.660	331.550	7490.29	2743.73	2262.22	-1562.34	1699937.96	417654.51	39°38'30.5426"N	80°33'55.9469"W	2749.28	325.370	2.61	0.39	2.59
10394.00	89.010	330.230	7491.40	2839.67	2346.08	-1609.03	1699891.27	417738.37	39°38'31.3659"N	80°33'56.5565"W	2844.84	325.556	1.53	-0.68	-1.37
10489.00	89.870	330.650	7492.33	2934.64	2428.71	-1655.90	1699844.40	417821.00	39°38'32.1770"N	80°33'57.1681"W	2939.50	325.714	1.01	0.91	0.44
10584.00	89.380	330.390	7492.95	3029.60	2511.41	-1702.65	1699797.66	417903.69	39°38'32.9887"N	80°33'57.7782"W	3034.17	325.864	0.58	-0.52	-0.27
10678.00	89.900	330.680	7493.54	3123.56	2593.25	-1748.88	1699751.42	417985.52	39°38'33.7921"N	80°33'58.3816"W	3127.87	326.004	0.63	0.55	0.31

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

WELLPATH DATA (251 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]
10773.00	89.690	330.700	7493.88	3218.52	2676.09	-1795.39	1699704.92	418068.36	39°38'34.6053"N	80°33'58.9886"W	3222.56	326.142	0.22	-0.22	0.02
10868.00	89.630	330.780	7494.44	3313.48	2758.97	-1841.82	1699658.49	418151.23	39°38'35.4189"N	80°33'59.5947"W	3317.26	326.274	0.11	-0.06	0.08
10963.00	89.630	330.250	7495.06	3408.44	2841.66	-1888.58	1699611.74	418233.92	39°38'36.2306"N	80°34'0.2049"W	3412.00	326.392	0.56	0.00	-0.56
11059.00	89.720	330.210	7495.60	3504.42	2924.99	-1936.24	1699564.07	418317.24	39°38'37.0485"N	80°34'0.8268"W	3507.79	326.497	0.10	0.09	-0.04
11153.00	89.750	330.320	7496.04	3598.40	3006.61	-1982.87	1699517.45	418398.86	39°38'37.8496"N	80°34'1.4351"W	3601.59	326.595	0.12	0.03	0.12
11248.00	89.510	329.190	7496.65	3693.38	3088.68	-2030.72	1699469.61	418480.92	39°38'38.6550"N	80°34'2.0592"W	3696.45	326.676	1.22	-0.25	-1.19
11343.00	89.540	329.360	7497.44	3788.38	3170.34	-2079.25	1699421.07	418562.58	39°38'39.4564"N	80°34'2.6920"W	3791.35	326.741	0.18	0.03	0.18
11438.00	89.750	329.160	7498.03	3883.38	3251.99	-2127.81	1699372.52	418644.22	39°38'40.2576"N	80°34'3.3251"W	3886.26	326.803	0.31	0.22	-0.21
11534.00	89.780	328.950	7498.42	3979.38	3334.33	-2177.17	1699323.16	418726.55	39°38'41.0654"N	80°34'3.9686"W	3982.19	326.857	0.22	0.03	-0.22
11629.00	89.690	329.350	7498.86	4074.38	3415.88	-2225.89	1699274.45	418808.10	39°38'41.8657"N	80°34'4.6037"W	4077.11	326.911	0.43	-0.09	0.42
11724.00	89.600	329.000	7499.45	4169.37	3497.46	-2274.57	1699225.77	418889.68	39°38'42.6662"N	80°34'5.2383"W	4172.04	326.962	0.38	-0.09	-0.37
11820.00	89.720	329.380	7500.02	4265.37	3579.91	-2323.74	1699176.61	418972.12	39°38'43.4752"N	80°34'5.8794"W	4267.96	327.012	0.42	0.13	0.40
11915.00	89.750	328.570	7500.46	4360.37	3661.32	-2372.70	1699127.64	419053.53	39°38'44.2739"N	80°34'6.5176"W	4362.91	327.055	0.85	0.03	-0.85
12010.00	89.940	326.090	7500.71	4455.32	3741.28	-2423.98	1699076.37	419133.48	39°38'45.0581"N	80°34'7.1852"W	4457.90	327.061	2.62	0.20	-2.61
12105.00	90.310	329.630	7500.51	4550.29	3821.71	-2474.51	1699025.84	419213.91	39°38'45.8470"N	80°34'7.8434"W	4552.87	327.077	3.75	0.39	3.73
12200.00	90.150	329.740	7500.13	4645.28	3903.72	-2522.46	1698977.90	419295.91	39°38'46.6518"N	80°34'8.4688"W	4647.78	327.131	0.20	-0.17	0.12
12295.00	90.370	329.380	7499.70	4740.27	3985.63	-2570.59	1698929.77	419377.81	39°38'47.4556"N	80°34'9.0965"W	4742.69	327.179	0.44	0.23	-0.38
12390.00	90.120	328.980	7499.29	4835.27	4067.21	-2619.26	1698881.10	419459.39	39°38'48.2561"N	80°34'9.7310"W	4837.63	327.219	0.50	-0.26	-0.42
12485.00	90.090	330.010	7499.11	4930.27	4149.06	-2667.48	1698832.88	419541.23	39°38'49.0593"N	80°34'10.3599"W	4932.56	327.263	1.08	-0.03	1.08
12580.00	90.090	329.880	7498.97	5025.25	4231.28	-2715.06	1698785.30	419623.46	39°38'49.8663"N	80°34'10.9806"W	5027.46	327.313	0.14	0.00	-0.14
12676.00	89.970	330.340	7498.92	5121.24	4314.51	-2762.90	1698737.47	419706.68	39°38'50.6832"N	80°34'11.6048"W	5123.35	327.366	0.50	-0.13	0.48
12770.00	89.600	329.600	7499.27	5215.22	4395.90	-2809.94	1698690.43	419788.06	39°38'51.4819"N	80°34'12.2186"W	5217.25	327.412	0.88	-0.39	-0.79
12865.00	89.660	329.470	7499.88	5310.21	4477.78	-2858.11	1698642.27	419869.93	39°38'52.2854"N	80°34'12.8467"W	5312.18	327.450	0.15	0.06	-0.14
12960.00	89.910	329.410	7500.24	5405.21	4559.58	-2906.41	1698593.97	419951.73	39°38'53.0881"N	80°34'13.4766"W	5407.13	327.485	0.27	0.26	-0.06
13054.00	89.630	329.140	7500.62	5499.21	4640.39	-2954.44	1698545.94	420032.53	39°38'53.8810"N	80°34'14.1028"W	5501.08	327.516	0.41	-0.30	-0.29
13149.00	89.780	330.430	7501.10	5594.20	4722.48	-3002.24	1698498.14	420114.62	39°38'54.6866"N	80°34'14.7265"W	5596.00	327.554	1.37	0.16	1.36
13244.00	89.780	330.140	7501.47	5689.17	4804.98	-3049.33	1698451.05	420197.12	39°38'55.4965"N	80°34'15.3410"W	5690.90	327.600	0.31	0.00	-0.31
13339.00	89.880	329.640	7501.75	5784.16	4887.16	-3096.99	1698403.40	420279.29	39°38'56.3030"N	80°34'15.9627"W	5785.82	327.638	0.54	0.11	-0.53
13433.00	90.580	329.660	7501.37	5878.15	4968.28	-3144.49	1698355.91	420360.41	39°38'57.0990"N	80°34'16.5822"W	5879.76	327.670	0.74	0.74	0.02
13528.00	89.290	329.110	7501.48	5973.15	5050.04	-3192.87	1698307.53	420442.16	39°38'57.9013"N	80°34'17.2131"W	5974.72	327.697	1.48	-1.36	-0.58

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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Facility	Denver Pad	Wellbore	Denver 7H 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]
13623.00	89.380	328.670	7502.58	6068.14	5131.37	-3241.95	1698258.45	420523.48	39°38'58.6992"N	80°34'17.8530"W	6069.69	327.716	0.47	0.09	-0.46
13718.00	89.350	329.160	7503.64	6163.14	5212.72	-3290.99	1698209.41	420604.83	39°38'59.4974"N	80°34'18.4923"W	6164.66	327.734	0.52	-0.03	0.52
13813.00	89.410	329.410	7504.66	6258.13	5294.39	-3339.51	1698160.89	420686.49	39°39'0.2988"N	80°34'19.1251"W	6259.62	327.758	0.27	0.06	0.26
13908.00	89.850	330.550	7505.28	6353.11	5376.64	-3387.04	1698113.37	420768.74	39°39'1.1060"N	80°34'19.7452"W	6354.55	327.791	1.29	0.46	1.20
14003.00	90.030	329.760	7505.38	6448.09	5459.04	-3434.32	1698066.09	420851.14	39°39'1.9147"N	80°34'20.3621"W	6449.47	327.826	0.85	0.19	-0.83
14098.00	90.180	329.070	7505.20	6543.09	5540.82	-3482.65	1698017.76	420932.91	39°39'2.7172"N	80°34'20.9925"W	6544.43	327.849	0.74	0.16	-0.73
14193.00	90.860	330.280	7504.34	6638.08	5622.82	-3530.62	1697969.80	421014.91	39°39'3.5219"N	80°34'21.6181"W	6639.38	327.875	1.46	0.72	1.27
14288.00	89.320	329.330	7504.19	6733.06	5704.93	-3578.39	1697922.02	421097.01	39°39'4.3277"N	80°34'22.2414"W	6734.32	327.902	1.90	-1.62	-1.00
14383.00	90.460	330.100	7504.37	6828.05	5786.96	-3626.30	1697874.12	421179.04	39°39'5.1327"N	80°34'22.8664"W	6829.27	327.927	1.45	1.20	0.81
14477.00	89.880	329.510	7504.10	6922.04	5868.20	-3673.58	1697826.85	421260.27	39°39'5.9300"N	80°34'23.4832"W	6923.22	327.953	0.88	-0.62	-0.63
14572.00	89.540	329.260	7504.58	7017.04	5949.96	-3721.96	1697778.47	421342.03	39°39'6.7322"N	80°34'24.1141"W	7018.19	327.972	0.44	-0.36	-0.26
14667.00	89.820	329.780	7505.11	7112.03	6031.83	-3770.14	1697730.29	421423.89	39°39'7.5356"N	80°34'24.7426"W	7113.15	327.993	0.62	0.29	0.55
14762.00	89.110	329.460	7505.99	7207.02	6113.78	-3818.19	1697682.25	421505.84	39°39'8.3398"N	80°34'25.3693"W	7208.11	328.014	0.82	-0.75	-0.34
14857.00	89.570	329.180	7507.09	7302.02	6195.48	-3866.66	1697633.78	421587.53	39°39'9.1415"N	80°34'26.0014"W	7303.08	328.031	0.57	0.48	-0.29
14952.00	89.660	330.470	7507.73	7397.00	6277.60	-3914.41	1697586.03	421669.65	39°39'9.9474"N	80°34'26.6244"W	7398.03	328.054	1.36	0.09	1.36
15046.00	89.510	330.340	7508.41	7490.97	6359.34	-3960.83	1697539.62	421751.38	39°39'10.7496"N	80°34'27.2303"W	7491.95	328.084	0.21	-0.16	-0.14
15141.00	90.250	331.340	7508.61	7585.92	6442.30	-4007.12	1697493.33	421834.33	39°39'11.5640"N	80°34'27.8348"W	7586.84	328.118	1.31	0.78	1.05
15237.00	90.090	330.860	7508.32	7681.86	6526.34	-4053.51	1697446.94	421918.37	39°39'12.3891"N	80°34'28.4407"W	7682.71	328.156	0.53	-0.17	-0.50
15332.00	90.030	330.510	7508.22	7776.82	6609.17	-4100.02	1697400.43	422001.20	39°39'13.2022"N	80°34'29.0480"W	7777.62	328.186	0.37	-0.06	-0.37
15427.00	90.120	330.780	7508.10	7871.78	6691.98	-4146.59	1697353.86	422084.00	39°39'14.0149"N	80°34'29.6560"W	7872.53	328.216	0.30	0.09	0.28
15522.00	90.280	330.230	7507.77	7966.74	6774.66	-4193.37	1697307.09	422166.68	39°39'14.8266"N	80°34'30.2666"W	7967.46	328.243	0.60	0.17	-0.58
15617.00	90.000	330.180	7507.53	8061.72	6857.10	-4240.57	1697259.89	422249.11	39°39'15.6357"N	80°34'30.8827"W	8062.40	328.267	0.30	-0.29	-0.05
15807.00	89.880	330.700	7507.73	8251.66	7022.37	-4334.30	1697166.16	422414.37	39°39'17.2579"N	80°34'32.1063"W	8252.27	328.317	0.28	-0.06	0.27
15903.00	90.000	330.420	7507.83	8347.63	7105.98	-4381.49	1697118.98	422497.97	39°39'18.0785"N	80°34'32.7223"W	8348.19	328.342	0.32	0.13	-0.29
15998.00	90.030	330.700	7507.81	8442.59	7188.71	-4428.18	1697072.29	422580.70	39°39'18.8905"N	80°34'33.3319"W	8443.12	328.367	0.30	0.03	0.29
16093.00	89.750	329.680	7507.99	8537.57	7271.14	-4475.41	1697025.06	422663.12	39°39'19.6995"N	80°34'33.9483"W	8538.07	328.388	1.11	-0.29	-1.07
16188.00	90.710	330.530	7507.61	8632.55	7353.49	-4522.76	1696977.72	422745.47	39°39'20.5078"N	80°34'34.5663"W	8633.03	328.406	1.35	1.01	0.89
16282.00	90.740	329.760	7506.42	8726.52	7435.01	-4569.55	1696930.93	422826.99	39°39'21.3079"N	80°34'35.1769"W	8726.98	328.425	0.82	0.03	-0.82
16377.00	90.710	329.940	7505.22	8821.51	7517.15	-4617.26	1696883.22	422909.12	39°39'22.1140"N	80°34'35.7995"W	8821.94	328.441	0.19	-0.03	0.19
16473.00	89.910	330.030	7504.70	8917.49	7600.28	-4665.28	1696835.21	422992.24	39°39'22.9297"N	80°34'36.4261"W	8917.91	328.457	0.84	-0.83	0.09

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

WELLPATH DATA (251 stations)															
ID	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]
16568.00	89.780	329.820	7504.96	9012.48	7682.49	-4712.89	1696787.60	423074.45	39°39'23.7365"N	80°34'37.0474"W	9012.87	328.473	0.26	-0.14	-0.22
16663.00	89.910	330.230	7505.21	9107.46	7764.78	-4760.35	1696740.14	423156.73	39°39'24.5442"N	80°34'37.6668"W	9107.84	328.489	0.45	0.14	0.43
16758.00	89.820	329.550	7505.44	9202.45	7846.96	-4808.01	1696692.49	423238.91	39°39'25.3506"N	80°34'38.2887"W	9202.81	328.503	0.72	-0.09	-0.72
16853.00	89.970	331.030	7505.61	9297.42	7929.47	-4855.09	1696645.41	423321.41	39°39'26.1605"N	80°34'38.9032"W	9297.76	328.522	1.57	0.16	1.56
16948.00	89.910	329.830	7505.71	9392.39	8012.09	-4901.97	1696598.53	423404.03	39°39'26.9714"N	80°34'39.5153"W	9392.71	328.541	1.26	-0.06	-1.26
17043.00	90.710	330.390	7505.20	9487.37	8094.46	-4949.31	1696551.19	423486.39	39°39'27.7797"N	80°34'40.1331"W	9487.67	328.557	1.03	0.84	0.59
17138.00	91.140	330.220	7503.66	9582.34	8176.97	-4996.37	1696504.14	423568.90	39°39'28.5896"N	80°34'40.7474"W	9582.61	328.574	0.49	0.45	-0.18
17234.00	90.740	330.630	7502.09	9678.29	8260.45	-5043.74	1696456.77	423652.37	39°39'29.4090"N	80°34'41.3659"W	9678.55	328.592	0.60	-0.42	0.43
17329.00	90.770	330.790	7500.84	9773.24	8343.30	-5090.21	1696410.30	423735.22	39°39'30.2222"N	80°34'41.9727"W	9773.48	328.613	0.17	0.03	0.17
17424.00	90.710	329.180	7499.61	9868.22	8425.55	-5137.73	1696362.79	423817.46	39°39'31.0294"N	80°34'42.5928"W	9868.44	328.626	1.70	-0.06	-1.69
17519.00	89.570	328.560	7499.38	9963.22	8506.86	-5186.84	1696313.68	423898.77	39°39'31.8271"N	80°34'43.2332"W	9963.44	328.628	1.37	-1.20	-0.65
17614.00	89.970	330.190	7499.76	10058.21	8588.61	-5235.23	1696265.29	423980.51	39°39'32.6292"N	80°34'43.8645"W	10058.42	328.635	1.77	0.42	1.72
17709.00	90.000	329.790	7499.78	10153.20	8670.87	-5282.75	1696217.78	424062.77	39°39'33.4366"N	80°34'44.4846"W	10153.40	328.648	0.42	0.03	-0.42
17804.00	89.970	329.790	7499.81	10248.19	8752.97	-5330.55	1696169.98	424144.87	39°39'34.2422"N	80°34'45.1083"W	10248.38	328.659	0.03	-0.03	0.00
17899.00	90.090	331.220	7499.76	10343.15	8835.66	-5377.32	1696123.21	424227.55	39°39'35.0538"N	80°34'45.7190"W	10343.33	328.676	1.51	0.13	1.51
17994.00	90.060	329.710	7499.63	10438.12	8918.31	-5424.15	1696076.38	424310.19	39°39'35.8650"N	80°34'46.3304"W	10438.28	328.692	1.59	-0.03	-1.59
18089.00	89.940	330.800	7499.63	10533.09	9000.79	-5471.28	1696029.25	424392.67	39°39'36.6746"N	80°34'46.9457"W	10533.24	328.706	1.15	-0.13	1.15
18184.00	90.060	331.280	7499.63	10628.03	9083.91	-5517.28	1695983.26	424475.79	39°39'37.4905"N	80°34'47.5466"W	10628.16	328.727	0.52	0.13	0.51
18278.00	90.000	329.740	7499.58	10722.00	9165.73	-5563.55	1695936.99	424557.60	39°39'38.2936"N	80°34'48.1508"W	10722.12	328.742	1.64	-0.06	-1.64
18373.00	90.030	328.770	7499.56	10817.00	9247.38	-5612.12	1695888.42	424639.24	39°39'39.0947"N	80°34'48.7842"W	10817.11	328.747	1.02	0.03	-1.02
18468.00	89.970	328.840	7499.56	10912.00	9328.64	-5661.32	1695839.22	424720.50	39°39'39.8919"N	80°34'49.4258"W	10912.11	328.747	0.10	-0.06	0.07
18563.00	90.150	329.080	7499.46	11007.00	9410.04	-5710.31	1695790.24	424801.89	39°39'40.6905"N	80°34'50.0647"W	11007.11	328.749	0.32	0.19	0.25
18658.00	89.850	328.900	7499.46	11102.00	9491.46	-5759.25	1695741.30	424883.31	39°39'41.4893"N	80°34'50.7029"W	11102.11	328.751	0.37	-0.32	-0.19
18754.00	89.320	329.380	7500.16	11197.99	9573.87	-5808.49	1695692.06	424965.71	39°39'42.2978"N	80°34'51.3452"W	11198.10	328.755	0.74	-0.55	0.50
18848.00	89.600	328.570	7501.04	11291.99	9654.42	-5856.94	1695643.62	425046.25	39°39'43.0881"N	80°34'51.9770"W	11292.10	328.757	0.91	0.30	-0.86
18944.00	88.990	328.960	7502.22	11387.98	9736.49	-5906.72	1695593.85	425128.33	39°39'43.8933"N	80°34'52.6260"W	11388.09	328.757	0.75	-0.64	0.41
19039.00	89.200	329.040	7503.72	11482.97	9817.91	-5955.64	1695544.93	425209.74	39°39'44.6921"N	80°34'53.2641"W	11483.08	328.759	0.24	0.22	0.08
19134.00	89.110	328.760	7505.12	11577.96	9899.25	-6004.70	1695495.86	425291.07	39°39'45.4900"N	80°34'53.9039"W	11578.07	328.760	0.31	-0.09	-0.29
19230.00	88.890	328.660	7506.80	11673.94	9981.27	-6054.56	1695446.01	425373.09	39°39'46.2947"N	80°34'54.5539"W	11674.05	328.759	0.25	-0.23	-0.10
19325.00	89.540	329.280	7508.10	11768.93	10062.67	-6103.52	1695397.05	425454.49	39°39'47.0933"N	80°34'55.1925"W	11769.04	328.761	0.95	0.68	0.65

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

WELLPATH DATA (251 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]
19420.00	89.690	329.060	7508.74	11863.93	10144.25	-6152.21	1695348.37	425536.05	39°39'47.8936"N	80°34'55.8276"W	11864.04	328.764	0.28	0.16	-0.23
19515.00	89.720	329.190	7509.23	11958.93	10225.78	-6200.96	1695299.62	425617.59	39°39'48.6936"N	80°34'56.4635"W	11959.03	328.767	0.14	0.03	0.14
19610.00	89.970	329.160	7509.49	12053.93	10307.36	-6249.64	1695250.95	425699.16	39°39'49.4940"N	80°34'57.0984"W	12054.03	328.770	0.27	0.26	-0.03
19705.00	89.910	328.910	7509.59	12148.93	10388.82	-6298.52	1695202.07	425780.62	39°39'50.2932"N	80°34'57.7359"W	12149.03	328.772	0.27	-0.06	-0.26
19799.00	89.910	330.260	7509.73	12242.92	10469.88	-6346.10	1695154.49	425861.67	39°39'51.0886"N	80°34'58.3569"W	12243.02	328.779	1.44	0.00	1.44
19894.00	89.690	330.180	7510.06	12337.90	10552.34	-6393.29	1695107.30	425944.12	39°39'51.8978"N	80°34'58.9729"W	12337.99	328.790	0.25	-0.23	-0.08
19989.00	89.570	329.850	7510.68	12432.88	10634.62	-6440.76	1695059.83	426026.40	39°39'52.7053"N	80°34'59.5926"W	12432.96	328.799	0.37	-0.13	-0.35
20084.00	89.790	330.340	7511.21	12527.86	10716.97	-6488.13	1695012.47	426108.74	39°39'53.5135"N	80°35'0.2109"W	12527.94	328.809	0.57	0.23	0.52
20178.00	89.570	330.020	7511.73	12621.84	10798.52	-6534.87	1694965.73	426190.29	39°39'54.3138"N	80°35'0.8211"W	12621.91	328.819	0.41	-0.23	-0.34
20273.00	89.690	330.000	7512.35	12716.82	10880.80	-6582.35	1694918.25	426272.56	39°39'55.1213"N	80°35'1.4410"W	12716.89	328.828	0.13	0.13	-0.02
20368.00	89.480	329.580	7513.04	12811.81	10962.90	-6630.15	1694870.45	426354.66	39°39'55.9269"N	80°35'2.0648"W	12811.87	328.835	0.49	-0.22	-0.44
20463.00	89.750	330.780	7513.67	12906.79	11045.31	-6677.39	1694823.21	426437.07	39°39'56.7357"N	80°35'2.6815"W	12906.84	328.845	1.29	0.28	1.26
20558.00	88.990	330.230	7514.72	13001.75	11128.00	-6724.16	1694776.45	426519.74	39°39'57.5472"N	80°35'3.2923"W	13001.80	328.857	0.99	-0.80	-0.58
20653.00	89.290	330.420	7516.14	13096.71	11210.53	-6771.19	1694729.42	426602.27	39°39'58.3572"N	80°35'3.9063"W	13096.75	328.868	0.37	0.32	0.20
20748.00	89.350	330.160	7517.27	13191.68	11293.03	-6818.27	1694682.35	426684.77	39°39'59.1670"N	80°35'4.5211"W	13191.72	328.878	0.28	0.06	-0.27
20843.00	90.060	330.490	7517.76	13286.66	11375.57	-6865.30	1694635.32	426767.31	39°39'59.9770"N	80°35'5.1352"W	13286.69	328.888	0.82	0.75	0.35
20937.00	89.820	330.300	7517.86	13380.63	11457.30	-6911.74	1694588.88	426849.03	39°40'0.7791"N	80°35'5.7416"W	13380.65	328.899	0.33	-0.26	-0.20
21032.00	89.820	330.180	7518.16	13475.61	11539.77	-6958.89	1694541.73	426931.49	39°40'1.5885"N	80°35'6.3572"W	13475.63	328.909	0.13	0.00	-0.13
21127.00	89.790	329.960	7518.48	13570.59	11622.10	-7006.29	1694494.34	427013.82	39°40'2.3965"N	80°35'6.9760"W	13570.61	328.917	0.23	-0.03	-0.23
21221.00	89.820	330.070	7518.80	13664.57	11703.52	-7053.27	1694447.36	427095.23	39°40'3.1955"N	80°35'7.5893"W	13664.59	328.924	0.12	0.03	0.12
21316.00	89.820	330.390	7519.10	13759.55	11785.98	-7100.44	1694400.19	427177.69	39°40'4.0048"N	80°35'8.2052"W	13759.56	328.933	0.34	0.00	0.34
21411.00	89.850	330.090	7519.37	13854.53	11868.45	-7147.60	1694353.04	427260.15	39°40'4.8141"N	80°35'8.8209"W	13854.54	328.942	0.32	0.03	-0.32
21506.00	89.320	330.350	7520.06	13949.51	11950.90	-7194.78	1694305.86	427342.60	39°40'5.6233"N	80°35'9.4369"W	13949.51	328.951	0.62	-0.56	0.27
21602.00	89.350	330.200	7521.18	14045.48	12034.26	-7242.38	1694258.27	427425.96	39°40'6.4414"N	80°35'10.0584"W	14045.48	328.960	0.16	0.03	-0.16
21697.00	89.720	330.350	7521.95	14140.45	12116.76	-7289.48	1694211.17	427508.45	39°40'7.2511"N	80°35'10.6734"W	14140.45	328.969	0.42	0.39	0.16
21792.00	89.420	330.000	7522.66	14235.43	12199.18	-7336.73	1694163.92	427590.86	39°40'8.0599"N	80°35'11.2903"W	14235.43	328.977	0.49	-0.32	-0.37
21888.00	89.630	329.980	7523.45	14331.41	12282.30	-7384.74	1694115.91	427673.98	39°40'8.8756"N	80°35'11.9171"W	14331.41	328.984	0.22	0.22	-0.02
21983.00	89.850	329.570	7523.89	14426.40	12364.39	-7432.56	1694068.10	427756.06	39°40'9.6811"N	80°35'12.5413"W	14426.40	328.989	0.49	0.23	-0.43
22078.00	89.820	328.720	7524.16	14521.40	12445.94	-7481.28	1694019.38	427837.61	39°40'10.4812"N	80°35'13.1769"W	14521.40	328.990	0.90	-0.03	-0.89
22173.00	89.940	327.980	7524.36	14616.39	12526.81	-7531.13	1693969.53	427918.47	39°40'11.2744"N	80°35'13.8269"W	14616.39	328.986	0.79	0.13	-0.78

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

WELLPATH DATA (251 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]
22268.00	89.940	327.740	7524.46	14711.37	12607.25	-7581.67	1693918.99	427998.91	39°40'12.0633"N	80°35'14.4855"W	14711.37	328.978	0.25	0.00	-0.25
22363.00	89.790	330.010	7524.68	14806.36	12688.57	-7630.77	1693869.90	428080.22	39°40'12.8611"N	80°35'15.1260"W	14806.37	328.978	2.39	-0.16	2.39
22458.00	90.370	330.880	7524.55	14901.33	12771.21	-7677.63	1693823.04	428162.86	39°40'13.6721"N	80°35'15.7380"W	14901.33	328.987	1.10	0.61	0.92
22553.00	90.060	329.790	7524.19	14996.31	12853.75	-7724.65	1693776.02	428245.40	39°40'14.4822"N	80°35'16.3520"W	14996.31	328.996	1.19	-0.33	-1.15
22648.00	90.150	330.230	7524.02	15091.29	12936.03	-7772.13	1693728.54	428327.67	39°40'15.2897"N	80°35'16.9719"W	15091.29	329.002	0.47	0.09	0.46
22743.00	90.220	330.040	7523.71	15186.27	13018.42	-7819.44	1693681.24	428410.05	39°40'16.0982"N	80°35'17.5896"W	15186.27	329.009	0.21	0.07	-0.20
22837.00	90.030	329.990	7523.51	15280.26	13099.84	-7866.42	1693634.26	428491.46	39°40'16.8971"N	80°35'18.2029"W	15280.26	329.015	0.21	-0.20	-0.05
22932.00	90.150	329.970	7523.36	15375.24	13182.09	-7913.95	1693586.74	428573.72	39°40'17.7043"N	80°35'18.8235"W	15375.24	329.021	0.13	-0.09	-0.02
23027.00	90.060	329.900	7523.18	15470.23	13264.31	-7961.54	1693539.15	428655.93	39°40'18.5111"N	80°35'19.4448"W	15470.23	329.027	0.12	-0.09	-0.07
23081.00	90.190	329.990	7523.07	15524.22	13311.05	-7988.58	1693512.10	428702.67	39°40'18.9698"N	80°35'19.7979"W	15524.22	329.030	0.29	0.24	0.17
23106.00	90.190	329.990	7522.98	15549.22	13332.70	-8001.09	1693499.60	428724.31	39°40'19.1822"N	80°35'19.9611"W	15549.22	329.032	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Denver 7H AWB Ref Wellpath: Denver 7H AWP Proj: 23106'									
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	1210.00	1182.00	28.00	1210.00	0.00	0.00	-0.69	-0.30
13.375in Casing Surface	28.00	1210.00	1182.00	28.00	1210.00	0.00	0.00	-0.69	-0.30
12.25in Open Hole	1210.00	2624.00	1414.00	1210.00	2623.97	-0.69	-0.30	-2.35	7.23
9.625in Casing Intermediate	28.00	2624.00	2596.00	28.00	2623.97	0.00	0.00	-2.35	7.23
8.75in Open Hole	2624.00	6789.00	4165.00	2623.97	6769.05	-2.35	7.23	-392.80	-14.95
8.5in Open Hole	6789.00	23106.00	16317.00	6769.05	7522.98	-392.80	-14.95	13332.70	-8001.09
6in Casing Production	28.00	23106.00	23078.00	28.00	7522.98	0.00	0.00	13332.70	-8001.09

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Denver 7H BHL Rev-1	7476.00	13330.28	-8007.95	1693492.74	428721.89	39°40'19.1575"N	80°35'20.0485"W	point
Denver 7H LP Rev-1	7476.00	155.82	-356.40	1701143.82	415548.24	39°38'9.8673"N	80°33'40.2148"W	point
Denver Hardline 1 (7.31.23)	8000.00	10744.14	-10206.56	1691294.27	426135.91	39°39'53.3361"N	80°35'47.7592"W	polygon
2D Polygon: dimensions not calculated								
Denver Hardline 2 (7.31.23)	8000.00	11246.36	-9341.80	1692158.97	426638.10	39°39'58.4033"N	80°35'36.7805"W	polygon
2D Polygon: dimensions not calculated								
Denver Hardline 3 (7.31.23)	8000.00	15547.98	-10683.70	1690817.16	430939.45	39°40'40.7515"N	80°35'54.6110"W	polygon
2D Polygon: dimensions not calculated								
Denver Hardline 4 (7.31.23)	8000.00	13229.87	-8180.92	1693319.78	428621.49	39°40'18.1445"N	80°35'22.2448"W	polygon
2D Polygon: dimensions not calculated								
Denver Hardline 5 (7.31.23)	8000.00	10935.27	-5691.82	1695808.73	426327.03	39°39'55.7656"N	80°34'50.0628"W	polygon
2D Polygon: dimensions not calculated								

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

WELLPATH COMPOSITION - Ref Wellbore: Denver 7H AWB Ref Wellpath: Denver 7H AWP Proj: 23106'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2574.00	Gyrodata 2015 - CT+WIR+DPIPE	01_Gyrodata Cont Gyro <12-1/4">(115'-2574')	Denver 7H AWB	7/27/2023
2574.00	6714.00	OWSG MWD rev2 + HRGM	02_SDI MWD <8-3/4">(2574')(2657'-6714')	Denver 7H AWB	7/27/2023
6714.00	23106.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03_BH Lucida+SQC IFR1+SAG+FDIR <8-1/2">(6714')(6781'-23081')	Denver 7H AWB	8/17/2023

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# Actual Wellpath Report

Denver 7H AWP Proj: 23106'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 7H
Field	Wetzel	API	47-103-03365-0000
Facility	Denver Pad	Wellbore	Denver 7H AWB
Slot	Slot 07		

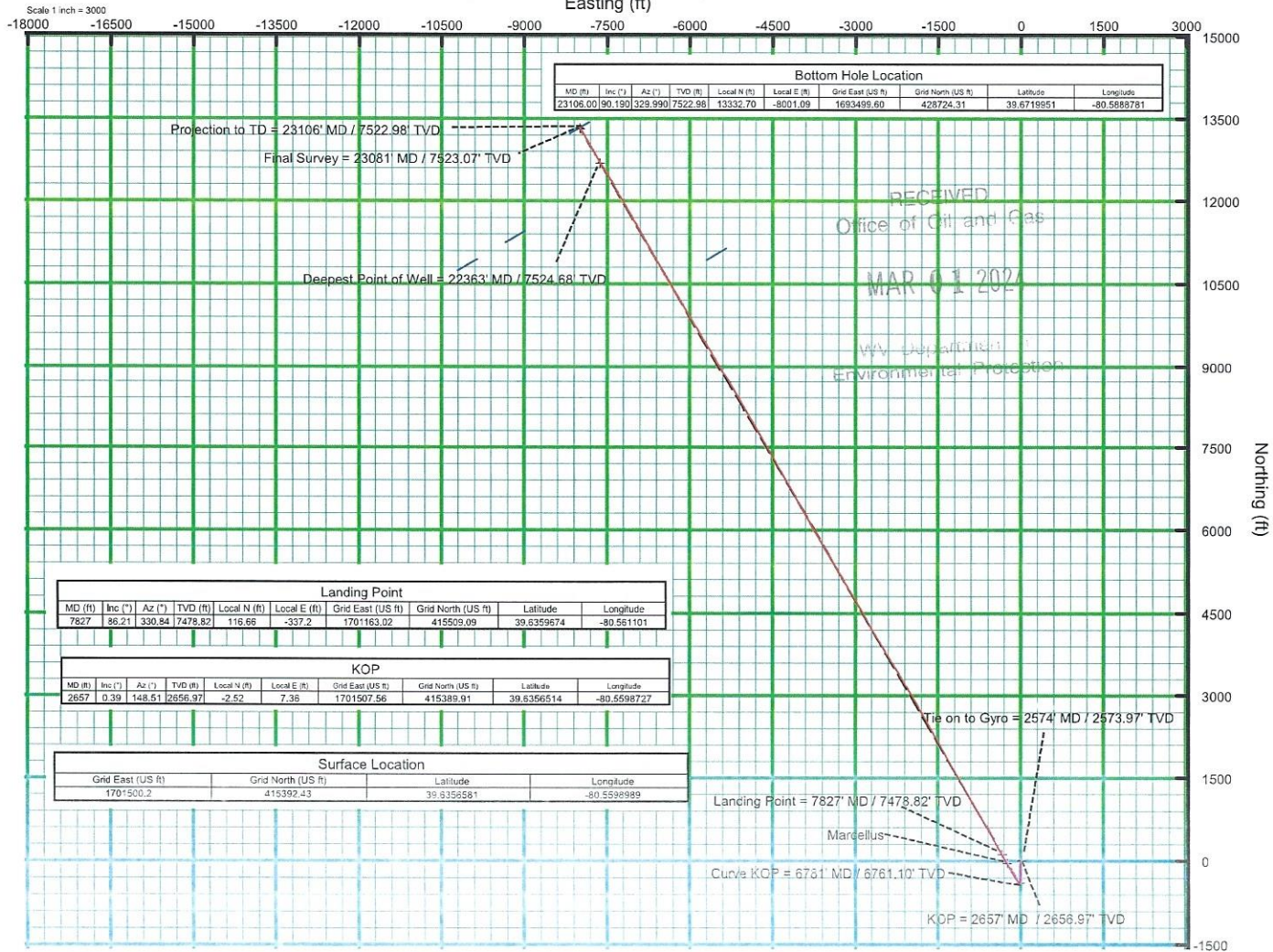
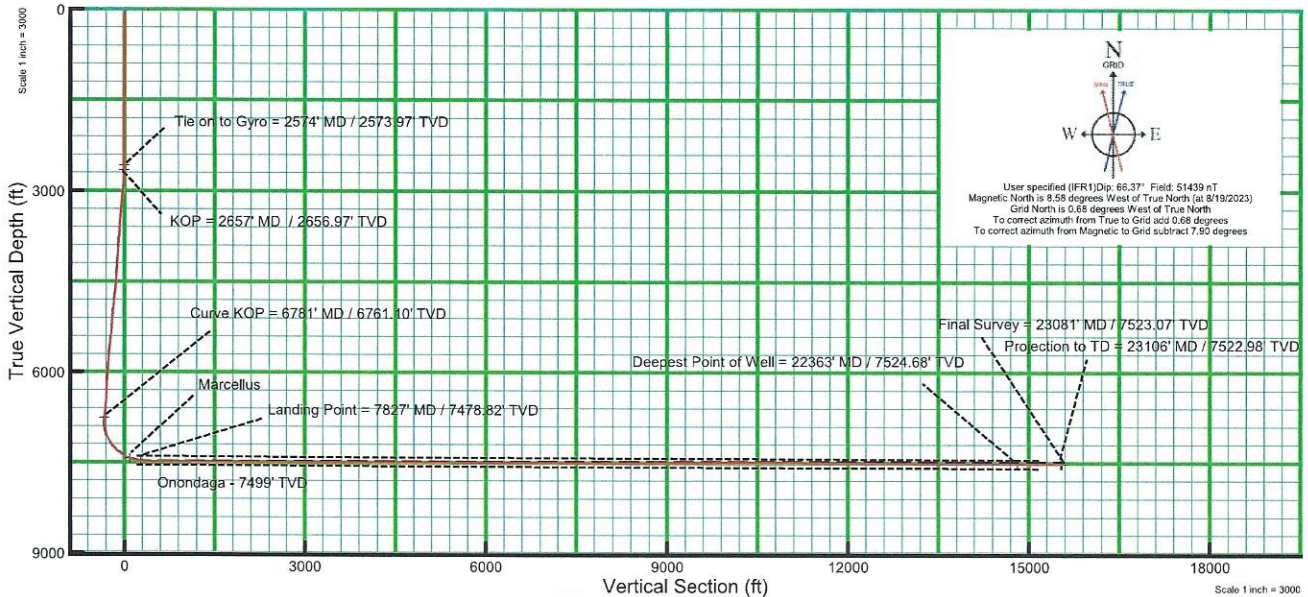
COMMENTS
<p><b>Wellpath general comments</b>            API: 47-103-03365-0000            BH Job #: 111914513            Rig: Patterson 292            Duration: 8/22/2023-8/26/2023</p> <p>01_Gyrodata Cont Gyro &lt;12-1/4"&gt;(115'-2574')            02_SDI MWD &lt;8-3/4"&gt;(2574')(2657'-6714')            03_BH Lucida+SQC IFR1+SAG+FDIR &lt;8-1/2"&gt;(6714')(6781'-23081')</p> <p>Landing Pt. @ 7827' MD            Final Survey @ 23081' MD            Projected MD at TD: 23106'</p>

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



06/21/2024