



Actual Wellpath Report

Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

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	8/14/2023 at 3:20:27 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	-4.74	14.23	1701471.74	415401.91	39°38'8.4594"N	80°33'36.0014"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 03)	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	321.12°



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WELLPATH DATA (250 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	111.250	0.00	0.00	0.00	0.00	1701471.74	415401.91	39°38'8.4594"N	80°33'36.0014"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	111.250	28.00	0.00	0.00	0.00	1701471.74	415401.91	39°38'8.4594"N	80°33'36.0014"W	0.00	0.000	0.00	0.00	0.00
115.00	0.470	111.250	115.00	-0.31	-0.13	0.33	1701472.07	415401.78	39°38'8.4581"N	80°33'35.9971"W	0.36	111.250	0.54	0.54	0.00
215.00	0.080	130.590	215.00	-0.73	-0.32	0.77	1701472.51	415401.59	39°38'8.4563"N	80°33'35.9915"W	0.83	112.840	0.40	-0.39	19.34
315.00	0.130	308.750	315.00	-0.69	-0.30	0.73	1701472.47	415401.61	39°38'8.4565"N	80°33'35.9920"W	0.79	112.129	0.21	0.05	178.16
415.00	0.070	211.820	415.00	-0.60	-0.28	0.61	1701472.35	415401.63	39°38'8.4567"N	80°33'35.9935"W	0.67	114.496	0.15	-0.06	-96.93
515.00	0.110	79.130	515.00	-0.67	-0.31	0.67	1701472.41	415401.60	39°38'8.4564"N	80°33'35.9927"W	0.74	114.884	0.17	0.04	-132.69
615.00	0.050	62.080	615.00	-0.72	-0.27	0.81	1701472.55	415401.64	39°38'8.4568"N	80°33'35.9910"W	0.85	108.762	0.06	-0.06	-17.05
715.00	0.110	159.190	715.00	-0.82	-0.34	0.88	1701472.62	415401.57	39°38'8.4561"N	80°33'35.9901"W	0.94	111.327	0.13	0.06	97.11
815.00	0.150	185.550	815.00	-1.00	-0.56	0.90	1701472.64	415401.35	39°38'8.4539"N	80°33'35.9898"W	1.06	122.022	0.07	0.04	26.36
915.00	0.110	245.180	915.00	-1.07	-0.73	0.80	1701472.54	415401.18	39°38'8.4522"N	80°33'35.9911"W	1.09	132.500	0.13	-0.04	59.63
1015.00	0.120	315.800	1015.00	-0.95	-0.70	0.64	1701472.38	415401.21	39°38'8.4525"N	80°33'35.9931"W	0.95	137.493	0.13	0.01	70.62
1115.00	0.110	125.470	1115.00	-0.93	-0.68	0.65	1701472.39	415401.23	39°38'8.4527"N	80°33'35.9930"W	0.94	136.460	0.23	-0.01	169.67
1215.00	0.090	39.090	1215.00	-1.01	-0.67	0.77	1701472.51	415401.24	39°38'8.4528"N	80°33'35.9914"W	1.03	131.082	0.14	-0.02	-86.38
1315.00	0.130	69.220	1315.00	-1.03	-0.57	0.93	1701472.67	415401.34	39°38'8.4538"N	80°33'35.9894"W	1.09	121.672	0.07	0.04	30.13
1415.00	0.160	98.690	1415.00	-1.17	-0.55	1.17	1701472.91	415401.36	39°38'8.4540"N	80°33'35.9863"W	1.30	115.280	0.08	0.03	29.47
1515.00	0.200	99.800	1515.00	-1.40	-0.60	1.48	1701473.22	415401.31	39°38'8.4536"N	80°33'35.9823"W	1.60	112.186	0.04	0.04	1.11
1615.00	0.440	112.210	1614.99	-1.87	-0.78	2.01	1701473.75	415401.13	39°38'8.4519"N	80°33'35.9756"W	2.16	111.196	0.25	0.24	12.41
1715.00	0.100	105.560	1714.99	-2.28	-0.95	2.45	1701474.19	415400.96	39°38'8.4503"N	80°33'35.9699"W	2.63	111.157	0.34	-0.34	-6.65
1815.00	0.360	105.600	1814.99	-2.60	-1.06	2.84	1701474.58	415400.85	39°38'8.4493"N	80°33'35.9650"W	3.03	110.420	0.26	0.26	0.04
1915.00	0.240	58.730	1914.99	-2.89	-1.03	3.32	1701475.06	415400.88	39°38'8.4496"N	80°33'35.9588"W	3.48	107.274	0.26	-0.12	-46.87
2015.00	0.290	45.280	2014.99	-2.89	-0.75	3.68	1701475.42	415401.16	39°38'8.4524"N	80°33'35.9543"W	3.75	101.455	0.08	0.05	-13.45
2115.00	0.310	125.610	2114.99	-3.12	-0.72	4.08	1701475.82	415401.19	39°38'8.4527"N	80°33'35.9492"W	4.14	100.078	0.39	0.02	80.33
2215.00	0.390	137.430	2214.99	-3.72	-1.13	4.53	1701476.27	415400.78	39°38'8.4487"N	80°33'35.9434"W	4.67	104.048	0.11	0.08	11.82
2315.00	0.320	128.640	2314.98	-4.34	-1.56	4.98	1701476.72	415400.35	39°38'8.4445"N	80°33'35.9376"W	5.21	107.384	0.09	-0.07	-8.79
2415.00	0.400	137.690	2414.98	-4.96	-1.99	5.43	1701477.17	415399.92	39°38'8.4403"N	80°33'35.9317"W	5.78	110.134	0.10	0.08	9.05
2515.00	0.360	139.550	2514.98	-5.62	-2.49	5.87	1701477.61	415399.42	39°38'8.4355"N	80°33'35.9260"W	6.37	112.974	0.04	-0.04	1.86
2589.00	0.040	130.750	2588.98	-5.88	-2.68	6.04	1701477.78	415399.23	39°38'8.4336"N	80°33'35.9238"W	6.61	113.945	0.43	-0.43	-11.89
2686.00	0.110	265.610	2685.98	-5.86	-2.71	5.97	1701477.71	415399.20	39°38'8.4333"N	80°33'35.9247"W	6.56	114.416	0.15	0.07	139.03
2729.00	0.260	237.600	2728.98	-5.82	-2.77	5.85	1701477.59	415399.14	39°38'8.4327"N	80°33'35.9262"W	6.47	115.316	0.40	0.35	-65.14

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Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH DATA (250 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	1.110	233.120	2771.98	-5.80	-3.07	5.43	1701477.17	415398.84	39°38'8.4297"N	80°33'35.9315"W	6.24	119.461	1.98	1.98	-10.42
2815.00	2.310	243.880	2814.96	-5.59	-3.70	4.32	1701476.06	415398.21	39°38'8.4233"N	80°33'35.9456"W	5.69	130.574	2.88	2.79	25.02
2858.00	3.750	239.960	2857.90	-5.18	-4.79	2.32	1701474.06	415397.13	39°38'8.4123"N	80°33'35.9710"W	5.32	154.086	3.38	3.35	-9.12
2902.00	4.410	236.320	2901.78	-4.81	-6.44	-0.33	1701471.41	415395.47	39°38'8.3956"N	80°33'36.0046"W	6.45	182.917	1.61	1.50	-8.27
2945.00	5.260	228.250	2944.63	-4.76	-8.67	-3.17	1701468.57	415393.24	39°38'8.3733"N	80°33'36.0407"W	9.24	200.105	2.53	1.98	-18.77
2988.00	6.020	226.530	2987.42	-5.04	-11.54	-6.28	1701465.46	415390.37	39°38'8.3446"N	80°33'36.0799"W	13.14	208.568	1.81	1.77	-4.00
3031.00	6.910	230.030	3030.15	-5.27	-14.75	-9.90	1701461.84	415387.16	39°38'8.3124"N	80°33'36.1257"W	17.76	213.871	2.26	2.07	8.14
3075.00	7.990	233.180	3073.78	-5.21	-18.28	-14.38	1701457.36	415383.63	39°38'8.2770"N	80°33'36.1824"W	23.26	218.181	2.62	2.45	7.16
3118.00	8.340	228.850	3116.34	-5.22	-22.13	-19.12	1701452.62	415379.79	39°38'8.2385"N	80°33'36.2424"W	29.24	220.828	1.64	0.81	-10.07
3161.00	9.190	229.180	3158.84	-5.46	-26.42	-24.06	1701447.68	415375.49	39°38'8.1954"N	80°33'36.3050"W	35.74	222.326	1.98	1.98	0.77
3204.00	10.200	230.240	3201.22	-5.64	-31.10	-29.59	1701442.15	415370.81	39°38'8.1485"N	80°33'36.3749"W	42.93	223.573	2.39	2.35	2.47
3248.00	11.010	230.620	3244.47	-5.74	-36.26	-35.83	1701435.91	415365.65	39°38'8.0968"N	80°33'36.4539"W	50.98	224.660	1.85	1.84	0.86
3334.00	12.920	229.890	3328.60	-6.01	-47.67	-49.53	1701422.21	415354.25	39°38'7.9825"N	80°33'36.6273"W	68.74	226.102	2.23	2.22	-0.85
3421.00	14.500	228.100	3413.12	-6.80	-61.21	-65.08	1701406.66	415340.71	39°38'7.8469"N	80°33'36.8239"W	89.34	226.757	1.88	1.82	-2.06
3507.00	16.540	227.200	3495.98	-8.20	-76.72	-82.08	1701389.67	415325.20	39°38'7.6917"N	80°33'37.0388"W	112.35	226.934	2.39	2.37	-1.05
3593.00	17.190	224.500	3578.28	-10.50	-94.10	-99.97	1701371.78	415307.82	39°38'7.5178"N	80°33'37.2649"W	137.29	226.733	1.18	0.76	-3.14
3680.00	18.980	223.640	3660.98	-13.83	-113.51	-118.74	1701353.00	415288.41	39°38'7.3238"N	80°33'37.5019"W	164.27	226.292	2.08	2.06	-0.99
3766.00	19.430	223.630	3742.19	-17.51	-133.98	-138.27	1701333.48	415267.94	39°38'7.1192"N	80°33'37.7483"W	192.53	225.902	0.52	0.52	-0.01
3852.00	20.640	227.410	3822.99	-20.36	-154.59	-159.30	1701312.45	415247.32	39°38'6.9130"N	80°33'38.0140"W	221.98	225.858	2.06	1.41	4.40
3939.00	22.690	230.260	3903.84	-21.60	-175.70	-183.49	1701288.26	415226.22	39°38'6.7016"N	80°33'38.3200"W	254.05	226.242	2.65	2.36	3.28
4025.00	25.610	231.540	3982.31	-21.71	-197.87	-210.81	1701260.95	415204.05	39°38'6.4793"N	80°33'38.6658"W	289.12	226.813	3.45	3.40	1.49
4112.00	28.160	233.580	4059.90	-20.69	-221.76	-242.05	1701229.70	415180.17	39°38'6.2396"N	80°33'39.0616"W	328.28	227.506	3.12	2.93	2.34
4198.00	30.220	232.740	4134.97	-19.21	-246.91	-275.61	1701196.14	415155.01	39°38'5.9871"N	80°33'39.4867"W	370.04	228.144	2.44	2.40	-0.98
4285.00	31.080	230.340	4209.82	-18.90	-274.50	-310.33	1701161.43	415127.42	39°38'5.7104"N	80°33'39.9262"W	414.31	228.506	1.72	0.99	-2.76
4372.00	31.170	228.430	4284.30	-20.26	-303.77	-344.46	1701127.30	415098.15	39°38'5.4171"N	80°33'40.3580"W	459.27	228.592	1.14	0.10	-2.20
4458.00	30.340	227.430	4358.20	-22.70	-333.24	-377.11	1701094.65	415068.69	39°38'5.1222"N	80°33'40.7708"W	503.25	228.534	1.13	-0.97	-1.16
4545.00	29.390	229.070	4433.65	-24.88	-362.09	-409.42	1701062.34	415039.84	39°38'4.8333"N	80°33'41.1794"W	546.57	228.511	1.44	-1.09	1.89
4631.00	28.420	229.920	4508.94	-26.06	-389.09	-441.02	1701030.74	415012.84	39°38'4.5627"N	80°33'41.5793"W	588.13	228.580	1.22	-1.13	0.99
4718.00	28.820	229.500	4585.31	-27.09	-416.04	-472.81	1700998.96	414985.90	39°38'4.2927"N	80°33'41.9814"W	629.79	228.655	0.51	0.46	-0.48
4804.00	29.490	230.180	4660.41	-28.02	-443.06	-504.83	1700966.94	414958.88	39°38'4.0220"N	80°33'42.3866"W	671.68	228.729	0.87	0.78	0.79

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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]
4891.00	29.380	228.460	4736.18	-29.37	-470.92	-537.25	1700934.52	414931.02	39°38'3.7428"N	80°33'42.7967"W	714.43	228.764	0.98	-0.13	-1.98
4968.00	28.600	228.640	4803.53	-31.04	-495.63	-565.22	1700906.55	414906.31	39°38'3.4954"N	80°33'43.1505"W	751.75	228.754	1.02	-1.01	0.23
5055.00	27.720	230.230	4880.24	-32.26	-522.33	-596.41	1700875.37	414879.61	39°38'3.2279"N	80°33'43.5450"W	792.80	228.788	1.33	-1.01	1.83
5141.00	27.900	231.710	4956.30	-32.36	-547.59	-627.57	1700844.21	414854.35	39°38'2.9745"N	80°33'43.9395"W	832.89	228.893	0.83	0.21	1.72
5228.00	28.870	232.810	5032.84	-31.53	-572.90	-660.28	1700811.50	414829.04	39°38'2.7206"N	80°33'44.3537"W	874.18	229.053	1.27	1.11	1.26
5314.00	29.740	231.380	5107.84	-30.82	-598.77	-693.49	1700778.29	414803.18	39°38'2.4611"N	80°33'44.7742"W	916.21	229.192	1.30	1.01	-1.66
5401.00	30.100	229.430	5183.25	-31.37	-626.42	-726.92	1700744.86	414775.52	39°38'2.1839"N	80°33'45.1973"W	959.59	229.247	1.19	0.41	-2.24
5487.00	29.510	227.960	5257.87	-33.17	-654.63	-759.03	1700712.75	414747.32	39°38'1.9014"N	80°33'45.6034"W	1002.33	229.224	1.09	-0.69	-1.71
5574.00	29.150	228.790	5333.72	-35.21	-682.94	-790.89	1700680.90	414719.01	39°38'1.6179"N	80°33'46.0062"W	1044.95	229.189	0.62	-0.41	0.95
5660.00	29.550	228.340	5408.68	-37.09	-710.84	-822.49	1700649.30	414691.12	39°38'1.3385"N	80°33'46.4059"W	1087.09	229.165	0.53	0.47	-0.52
5747.00	29.110	230.010	5484.53	-38.54	-738.70	-854.73	1700617.06	414663.26	39°38'1.0594"N	80°33'46.8137"W	1129.71	229.165	1.07	-0.51	1.92
5833.00	29.350	231.280	5559.58	-38.89	-765.33	-887.20	1700584.59	414636.63	39°38'0.7925"N	80°33'47.2247"W	1171.69	229.218	0.77	0.28	1.48
5920.00	30.730	231.070	5634.89	-38.85	-792.63	-921.13	1700550.67	414609.33	39°38'0.5187"N	80°33'47.6542"W	1215.21	229.288	1.59	1.59	-0.24
6006.00	30.870	227.800	5708.77	-40.15	-821.26	-954.57	1700517.23	414580.70	39°38'0.2318"N	80°33'48.0772"W	1259.23	229.293	1.95	0.16	-3.80
6091.00	29.630	227.610	5782.19	-42.70	-850.08	-986.24	1700485.56	414551.89	39°37'59.9434"N	80°33'48.4777"W	1302.04	229.241	1.46	-1.46	-0.22
6178.00	30.310	230.220	5857.56	-44.36	-878.62	-1019.00	1700452.80	414523.34	39°37'59.6574"N	80°33'48.8920"W	1345.49	229.231	1.69	0.78	3.00
6264.00	30.530	230.220	5931.72	-45.04	-906.48	-1052.46	1700419.34	414495.48	39°37'59.3781"N	80°33'49.3155"W	1389.03	229.262	0.26	0.26	0.00
6351.00	30.480	231.800	6006.68	-45.13	-934.27	-1086.79	1700385.02	414467.70	39°37'59.0995"N	80°33'49.7499"W	1433.17	229.316	0.92	-0.06	1.82
6437.00	29.120	232.310	6081.31	-44.43	-960.55	-1120.49	1700351.32	414441.42	39°37'58.8359"N	80°33'50.1767"W	1475.86	229.395	1.61	-1.58	0.59
6523.00	28.920	230.730	6156.51	-44.14	-986.51	-1153.15	1700318.66	414415.46	39°37'58.5755"N	80°33'50.5901"W	1517.55	229.453	0.92	-0.23	-1.84
6610.00	28.460	229.660	6232.83	-44.81	-1013.24	-1185.23	1700286.58	414388.73	39°37'58.3076"N	80°33'50.9961"W	1559.31	229.473	0.79	-0.53	-1.23
6696.00	28.910	229.450	6308.27	-45.94	-1040.02	-1216.65	1700255.17	414361.95	39°37'58.0393"N	80°33'51.3936"W	1600.59	229.475	0.54	0.52	-0.24
6782.00	27.780	229.340	6383.96	-47.17	-1066.60	-1247.65	1700224.17	414335.38	39°37'57.7730"N	80°33'51.7857"W	1641.42	229.473	1.32	-1.31	-0.13
6869.00	27.410	230.500	6461.07	-48.01	-1092.54	-1278.48	1700193.34	414309.43	39°37'57.5130"N	80°33'52.1758"W	1681.71	229.484	0.75	-0.43	1.33
6955.00	28.320	230.190	6537.09	-48.56	-1118.20	-1309.42	1700162.40	414283.78	39°37'57.2558"N	80°33'52.5674"W	1721.90	229.504	1.07	1.06	-0.36
7042.00	31.320	233.690	6612.57	-47.88	-1144.81	-1343.51	1700128.31	414257.17	39°37'56.9889"N	80°33'52.9990"W	1765.10	229.566	3.99	3.45	4.02
7128.00	31.600	234.300	6685.93	-45.63	-1171.19	-1379.82	1700092.01	414230.79	39°37'56.7239"N	80°33'53.4590"W	1809.86	229.675	0.49	0.33	0.71
7215.00	31.590	231.460	6760.04	-44.23	-1198.69	-1416.15	1700055.67	414203.29	39°37'56.4479"N	80°33'53.9192"W	1855.36	229.754	1.71	-0.01	-3.26
7246.00	30.910	229.870	6786.54	-44.35	-1208.88	-1428.59	1700043.24	414193.10	39°37'56.3457"N	80°33'54.0767"W	1871.43	229.762	3.45	-2.19	-5.13
7349.00	30.130	230.620	6875.27	-45.16	-1242.33	-1468.80	1700003.03	414159.65	39°37'56.0104"N	80°33'54.5855"W	1923.74	229.775	0.84	-0.76	0.73

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Actual Wellpath Report

Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH DATA (250 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]
7444.00	31.500	248.540	6957.03	-37.92	-1266.59	-1510.42	1699961.41	414135.39	39°37'55.7658"N	80°33'55.1137"W	1971.20	230.018	9.74	1.44	18.86
7538.00	32.120	265.630	7037.08	-16.36	-1277.51	-1558.29	1699913.55	414124.48	39°37'55.6523"N	80°33'55.7238"W	2015.02	230.655	9.58	0.66	18.18
7633.00	32.950	278.520	7117.26	17.00	-1275.60	-1609.09	1699862.75	414126.39	39°37'55.6652"N	80°33'56.3733"W	2053.37	231.594	7.34	0.87	13.57
7728.00	38.520	293.610	7194.50	62.38	-1259.88	-1661.89	1699809.96	414142.11	39°37'55.8143"N	80°33'57.0505"W	2085.47	232.834	10.94	5.86	15.88
7823.00	46.410	302.100	7264.58	121.29	-1229.68	-1718.27	1699753.57	414172.31	39°37'56.1062"N	80°33'57.7757"W	2112.95	234.411	10.25	8.31	8.94
7918.00	52.950	306.180	7326.03	190.53	-1188.96	-1778.10	1699693.75	414213.02	39°37'56.5016"N	80°33'58.5464"W	2138.99	236.230	7.62	6.88	4.29
8013.00	62.450	308.590	7376.74	268.46	-1140.20	-1841.77	1699630.09	414261.78	39°37'56.9760"N	80°33'59.3675"W	2166.14	238.239	10.23	10.00	2.54
8107.00	67.840	312.080	7416.25	352.21	-1084.98	-1906.71	1699565.15	414317.00	39°37'57.5141"N	80°34'0.2059"W	2193.79	240.359	6.65	5.73	3.71
8202.00	75.600	316.910	7446.04	441.72	-1021.77	-1970.92	1699500.94	414380.20	39°37'58.1312"N	80°34'1.0361"W	2220.03	242.597	9.49	8.17	5.08
8298.00	82.310	323.260	7464.44	535.82	-949.54	-2031.27	1699440.60	414452.42	39°37'58.8379"N	80°34'1.8183"W	2242.25	244.946	9.54	6.99	6.61
8393.00	89.320	330.000	7471.38	630.02	-870.50	-2083.30	1699388.57	414531.46	39°37'59.6129"N	80°34'2.4953"W	2257.85	247.323	10.22	7.38	7.09
8488.00	89.690	329.740	7472.20	723.91	-788.34	-2130.98	1699340.89	414613.62	39°38'0.4193"N	80°34'3.1172"W	2272.13	249.698	0.48	0.39	-0.27
8584.00	89.690	329.940	7472.72	818.80	-705.34	-2179.21	1699292.66	414696.62	39°38'1.2339"N	80°34'3.7462"W	2290.52	252.065	0.21	0.00	0.21
8680.00	89.570	330.790	7473.34	913.55	-621.90	-2226.68	1699245.20	414780.05	39°38'2.0529"N	80°34'4.3655"W	2311.90	254.395	0.89	-0.13	0.89
8774.00	89.630	330.240	7473.99	1006.28	-540.07	-2272.95	1699198.93	414861.87	39°38'2.8561"N	80°34'4.9692"W	2336.23	256.634	0.59	0.06	-0.59
8870.00	90.060	331.350	7474.25	1100.91	-456.28	-2319.79	1699152.10	414945.66	39°38'3.6787"N	80°34'5.5806"W	2364.23	258.873	1.24	0.45	1.16
8965.00	89.480	330.720	7474.63	1194.49	-373.16	-2365.79	1699106.09	415028.77	39°38'4.4946"N	80°34'6.1812"W	2395.04	261.036	0.90	-0.61	-0.66
9060.00	89.290	330.480	7475.65	1288.19	-290.40	-2412.43	1699059.46	415111.53	39°38'5.3070"N	80°34'6.7898"W	2429.84	263.136	0.32	-0.20	-0.25
9156.00	89.080	330.900	7477.02	1382.85	-206.70	-2459.42	1699012.47	415195.22	39°38'6.1287"N	80°34'7.4031"W	2468.09	265.196	0.49	-0.22	0.44
9251.00	89.380	330.560	7478.30	1476.50	-123.84	-2505.86	1698966.03	415278.08	39°38'6.9421"N	80°34'8.0093"W	2508.92	267.171	0.48	0.32	-0.36
9346.00	89.540	331.460	7479.19	1570.09	-40.74	-2551.90	1698920.00	415361.17	39°38'7.7579"N	80°34'8.6103"W	2552.22	269.085	0.96	0.17	0.95
9440.00	89.910	331.070	7479.64	1662.62	41.68	-2597.09	1698874.81	415443.59	39°38'8.5671"N	80°34'9.2004"W	2597.42	270.919	0.57	0.39	-0.41
9536.00	89.820	330.820	7479.87	1757.21	125.60	-2643.71	1698828.19	415527.50	39°38'9.3909"N	80°34'9.8091"W	2646.69	272.720	0.28	-0.09	-0.26
9631.00	89.760	330.990	7480.22	1850.82	208.61	-2689.91	1698782.00	415610.51	39°38'10.2058"N	80°34'10.4121"W	2697.98	274.435	0.19	-0.06	0.18
9725.00	89.820	330.500	7480.56	1943.50	290.62	-2735.84	1698736.06	415692.51	39°38'11.0109"N	80°34'11.0117"W	2751.24	276.064	0.53	0.06	-0.52
9821.00	89.820	330.920	7480.86	2038.16	374.34	-2782.81	1698689.10	415776.23	39°38'11.8328"N	80°34'11.6247"W	2807.87	277.661	0.44	0.00	0.44
9916.00	89.850	331.000	7481.14	2131.76	457.40	-2828.92	1698642.99	415859.28	39°38'12.6482"N	80°34'12.2267"W	2865.66	279.185	0.09	0.03	0.08
10011.00	89.690	330.330	7481.52	2225.44	540.22	-2875.47	1698596.45	415942.09	39°38'13.4611"N	80°34'12.8342"W	2925.77	280.640	0.73	-0.17	-0.71
10106.00	89.700	330.880	7482.02	2319.14	622.99	-2922.09	1698549.83	416024.86	39°38'14.2736"N	80°34'13.4427"W	2987.77	282.035	0.58	0.01	0.58
10202.00	90.310	330.830	7482.02	2413.76	706.83	-2968.85	1698503.07	416108.70	39°38'15.0966"N	80°34'14.0531"W	3051.83	283.392	0.64	0.64	-0.05

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Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH DATA (250 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]
10297.00	90.130	325.050	7481.65	2508.05	787.31	-3019.25	1698452.67	416189.17	39°38'15.8860"N	80°34'14.7096"W	3120.21	284.615	6.09	-0.19	-6.08
10392.00	90.280	324.690	7481.31	2602.84	865.00	-3073.92	1698398.01	416266.86	39°38'16.6474"N	80°34'15.4201"W	3193.31	285.717	0.41	0.16	-0.38
10487.00	90.280	328.790	7480.85	2697.37	944.42	-3126.01	1698345.92	416346.28	39°38'17.4261"N	80°34'16.0980"W	3265.56	286.811	4.32	0.00	4.32
10582.00	90.500	330.000	7480.20	2791.37	1026.19	-3174.37	1698297.56	416428.03	39°38'18.2284"N	80°34'16.7286"W	3336.12	287.915	1.29	0.23	1.27
10676.00	90.340	330.650	7479.51	2884.16	1107.85	-3220.91	1698251.03	416509.70	39°38'19.0300"N	80°34'17.3358"W	3406.11	288.981	0.71	-0.17	0.69
10771.00	90.280	331.280	7479.00	2977.76	1190.91	-3267.01	1698204.93	416592.75	39°38'19.8454"N	80°34'17.9378"W	3477.31	290.028	0.67	-0.06	0.66
10867.00	90.250	331.190	7478.55	3072.27	1275.07	-3313.21	1698158.73	416676.90	39°38'20.6716"N	80°34'18.5411"W	3550.09	291.049	0.10	-0.03	-0.09
10962.00	90.370	331.270	7478.04	3165.79	1358.34	-3358.93	1698113.01	416760.17	39°38'21.4891"N	80°34'19.1382"W	3623.19	292.018	0.15	0.13	0.08
11057.00	89.760	330.260	7477.93	3259.44	1441.24	-3405.33	1698066.62	416843.06	39°38'22.3029"N	80°34'19.7438"W	3697.76	292.940	1.24	-0.64	-1.06
11153.00	89.880	331.260	7478.23	3354.09	1525.00	-3452.22	1698019.73	416926.82	39°38'23.1252"N	80°34'20.3559"W	3774.05	293.833	1.05	0.12	1.04
11248.00	89.760	330.410	7478.53	3447.72	1607.96	-3498.52	1697973.44	417009.77	39°38'23.9395"N	80°34'20.9603"W	3850.34	294.684	0.90	-0.13	-0.89
11343.00	89.630	330.820	7479.04	3541.42	1690.73	-3545.13	1697926.83	417092.54	39°38'24.7520"N	80°34'21.5688"W	3927.66	295.497	0.45	-0.14	0.43
11439.00	89.660	330.900	7479.63	3636.03	1774.58	-3591.88	1697880.08	417176.38	39°38'25.5752"N	80°34'22.1790"W	4006.33	296.292	0.09	0.03	0.08
11534.00	89.910	331.350	7479.99	3729.59	1857.77	-3637.75	1697834.21	417259.57	39°38'26.3918"N	80°34'22.7781"W	4084.67	297.053	0.54	0.26	0.47
11629.00	89.420	330.620	7480.54	3823.18	1940.84	-3683.83	1697788.14	417342.64	39°38'27.2074"N	80°34'23.3797"W	4163.83	297.783	0.93	-0.52	-0.77
11724.00	90.030	331.820	7481.00	3916.71	2024.11	-3729.56	1697742.40	417425.89	39°38'28.0248"N	80°34'23.9770"W	4243.43	298.490	1.42	0.64	1.26
11819.00	89.970	331.070	7481.00	4010.17	2107.55	-3774.97	1697697.00	417509.33	39°38'28.8441"N	80°34'24.5702"W	4323.45	299.174	0.79	-0.06	-0.79
11914.00	90.000	331.240	7481.02	4103.71	2190.76	-3820.81	1697651.17	417592.54	39°38'29.6610"N	80°34'25.1687"W	4404.32	299.829	0.18	0.03	0.18
12009.00	89.880	330.410	7481.12	4197.35	2273.71	-3867.12	1697604.86	417675.48	39°38'30.4752"N	80°34'25.7733"W	4486.02	300.454	0.88	-0.13	-0.87
12104.00	89.260	330.870	7481.84	4291.04	2356.50	-3913.69	1697558.29	417758.27	39°38'31.2880"N	80°34'26.3813"W	4568.38	301.053	0.81	-0.65	0.48
12200.00	89.480	332.200	7482.89	4385.45	2440.89	-3959.44	1697512.54	417842.65	39°38'32.1165"N	80°34'26.9790"W	4651.36	301.653	1.40	0.23	1.39
12295.00	89.360	331.310	7483.85	4478.81	2524.58	-4004.40	1697467.58	417926.33	39°38'32.9382"N	80°34'27.5664"W	4733.78	302.229	0.95	-0.13	-0.94
12390.00	89.390	330.170	7484.89	4572.47	2607.45	-4050.83	1697421.16	418009.20	39°38'33.7517"N	80°34'28.1725"W	4817.47	302.769	1.20	0.03	-1.20
12485.00	89.480	330.070	7485.83	4666.30	2689.82	-4098.16	1697373.84	418091.56	39°38'34.5601"N	80°34'28.7900"W	4902.04	303.279	0.14	0.09	-0.11
12580.00	89.630	330.150	7486.56	4760.13	2772.18	-4145.50	1697326.50	418173.92	39°38'35.3684"N	80°34'29.4077"W	4986.99	303.771	0.18	0.16	0.08
12675.00	89.480	329.970	7487.30	4853.97	2854.50	-4192.91	1697279.09	418256.23	39°38'36.1763"N	80°34'30.0264"W	5072.34	304.247	0.25	-0.16	-0.19
12770.00	89.480	329.740	7488.16	4947.86	2936.65	-4240.61	1697231.39	418338.38	39°38'36.9825"N	80°34'30.6487"W	5158.17	304.703	0.24	0.00	-0.24
12865.00	89.630	330.170	7488.90	5041.73	3018.88	-4288.18	1697183.83	418420.60	39°38'37.7895"N	80°34'31.2693"W	5244.24	305.146	0.48	0.16	0.45
12961.00	89.940	330.310	7489.26	5136.52	3102.22	-4335.83	1697136.18	418503.94	39°38'38.6075"N	80°34'31.8911"W	5331.34	305.583	0.35	0.32	0.15
13056.00	89.940	329.990	7489.36	5230.34	3184.61	-4383.11	1697088.90	418586.33	39°38'39.4161"N	80°34'32.5081"W	5417.88	306.001	0.34	0.00	-0.34



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Slot	Slot 03		

WELLPATH DATA (250 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]
13151.00	90.000	329.840	7489.41	5324.23	3266.81	-4430.73	1697041.28	418668.52	39°38'40.2229"N	80°34'33.1294"W	5504.86	306.402	0.17	0.06	-0.16
13246.00	90.040	330.090	7489.38	5418.10	3349.06	-4478.28	1696993.73	418750.76	39°38'41.0300"N	80°34'33.7498"W	5592.07	306.791	0.27	0.04	0.26
13341.00	90.060	329.160	7489.30	5512.05	3431.02	-4526.32	1696945.70	418832.72	39°38'41.8343"N	80°34'34.3764"W	5679.74	307.163	0.98	0.02	-0.98
13435.00	89.480	328.860	7489.67	5605.16	3511.60	-4574.72	1696897.30	418913.29	39°38'42.6249"N	80°34'35.0074"W	5767.09	307.510	0.69	-0.62	-0.32
13530.00	89.940	328.990	7490.15	5699.28	3592.96	-4623.76	1696848.27	418994.65	39°38'43.4231"N	80°34'35.6466"W	5855.64	307.850	0.50	0.48	0.14
13625.00	90.040	329.010	7490.17	5793.38	3674.39	-4672.68	1696799.34	419076.08	39°38'44.2221"N	80°34'36.2845"W	5944.34	308.180	0.11	0.11	0.02
13720.00	90.190	329.080	7489.98	5887.47	3755.86	-4721.55	1696750.48	419157.54	39°38'45.0214"N	80°34'36.9216"W	6033.20	308.501	0.17	0.16	0.07
13815.00	90.190	329.320	7489.66	5981.53	3837.46	-4770.19	1696701.84	419239.14	39°38'45.8220"N	80°34'37.5559"W	6122.16	308.816	0.25	0.00	0.25
13910.00	90.040	329.090	7489.47	6075.58	3919.07	-4818.83	1696653.21	419320.74	39°38'46.6227"N	80°34'38.1901"W	6211.30	309.121	0.29	-0.16	-0.24
14005.00	89.910	329.020	7489.52	6169.67	4000.55	-4867.68	1696604.36	419402.21	39°38'47.4221"N	80°34'38.8271"W	6300.69	309.415	0.16	-0.14	-0.07
14100.00	90.040	329.140	7489.56	6263.76	4082.05	-4916.49	1696555.55	419483.71	39°38'48.2218"N	80°34'39.4636"W	6390.23	309.702	0.19	0.14	0.13
14194.00	90.070	329.170	7489.47	6356.84	4162.75	-4964.69	1696507.35	419564.40	39°38'49.0136"N	80°34'40.0920"W	6478.94	309.979	0.05	0.03	0.03
14290.00	90.130	329.120	7489.30	6451.90	4245.16	-5013.92	1696458.12	419646.81	39°38'49.8222"N	80°34'40.7340"W	6569.69	310.254	0.08	0.06	-0.05
14385.00	90.040	328.770	7489.16	6546.01	4326.55	-5062.93	1696409.12	419728.19	39°38'50.6207"N	80°34'41.3729"W	6659.75	310.516	0.38	-0.09	-0.37
14480.00	89.570	328.810	7489.48	6640.16	4407.80	-5112.16	1696359.90	419809.44	39°38'51.4178"N	80°34'42.0147"W	6750.02	310.769	0.50	-0.49	0.04
14575.00	90.220	329.620	7489.66	6734.21	4489.41	-5160.78	1696311.28	419891.04	39°38'52.2185"N	80°34'42.6487"W	6840.21	311.020	1.09	0.68	0.85
14669.00	89.450	329.040	7489.93	6827.25	4570.26	-5208.73	1696263.33	419971.89	39°38'53.0118"N	80°34'43.2740"W	6929.51	311.264	1.03	-0.82	-0.62
14764.00	90.130	329.210	7490.27	6921.32	4651.80	-5257.48	1696214.58	420053.42	39°38'53.8118"N	80°34'43.9097"W	7019.99	311.502	0.74	0.72	0.18
14859.00	89.510	328.810	7490.57	7015.42	4733.23	-5306.39	1696165.67	420134.85	39°38'54.6108"N	80°34'44.5475"W	7110.65	311.733	0.78	-0.65	-0.42
14954.00	89.670	329.190	7491.25	7109.52	4814.66	-5355.32	1696116.75	420216.28	39°38'55.4097"N	80°34'45.1854"W	7201.42	311.957	0.43	0.17	0.40
15050.00	88.740	328.910	7492.58	7204.59	4896.98	-5404.69	1696067.39	420298.59	39°38'56.2174"N	80°34'45.8291"W	7293.22	312.179	1.01	-0.97	-0.29
15145.00	89.880	328.990	7493.73	7298.70	4978.37	-5453.68	1696018.39	420379.97	39°38'57.0158"N	80°34'46.4680"W	7384.22	312.391	1.20	1.20	0.08
15240.00	89.730	328.860	7494.05	7392.82	5059.73	-5502.72	1695969.36	420461.33	39°38'57.8141"N	80°34'47.1073"W	7475.34	312.598	0.21	-0.16	-0.14
15336.00	89.390	330.320	7494.79	7487.76	5142.52	-5551.31	1695920.77	420544.11	39°38'58.6265"N	80°34'47.7412"W	7567.20	312.811	1.56	-0.35	1.52
15431.00	89.360	329.260	7495.83	7581.67	5224.61	-5599.10	1695872.98	420626.20	39°38'59.4320"N	80°34'48.3648"W	7658.10	313.018	1.12	-0.03	-1.12
15526.00	89.270	329.110	7496.96	7675.73	5306.19	-5647.77	1695824.32	420707.78	39°39'0.2325"N	80°34'48.9994"W	7749.38	313.214	0.18	-0.09	-0.16
15621.00	89.360	328.780	7498.10	7769.83	5387.57	-5696.77	1695775.32	420789.15	39°39'1.0309"N	80°34'49.6383"W	7840.86	313.402	0.36	0.09	-0.35
15716.00	90.070	329.260	7498.57	7863.93	5469.02	-5745.67	1695726.42	420870.59	39°39'1.8299"N	80°34'50.2759"W	7932.39	313.587	0.90	0.75	0.51
15811.00	90.280	329.500	7498.28	7957.94	5550.77	-5794.06	1695678.04	420952.34	39°39'2.6321"N	80°34'50.9071"W	8023.85	313.772	0.34	0.22	0.25
15906.00	90.160	329.480	7497.91	8051.93	5632.62	-5842.29	1695629.81	421034.18	39°39'3.4352"N	80°34'51.5362"W	8115.34	313.953	0.13	-0.13	-0.02

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Actual Wellpath Report

Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH DATA (250 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]
16001.00	90.310	328.710	7497.53	8146.01	5714.13	-5891.08	1695581.02	421115.69	39°39'4.2349"N	80°34'52.1725"W	8207.07	314.126	0.83	0.16	-0.81
16096.00	90.280	328.590	7497.04	8240.19	5795.26	-5940.50	1695531.60	421196.81	39°39'5.0308"N	80°34'52.8168"W	8299.07	314.291	0.13	-0.03	-0.13
16192.00	90.100	329.450	7496.72	8335.28	5877.56	-5989.92	1695482.19	421279.11	39°39'5.8383"N	80°34'53.4612"W	8391.95	314.458	0.92	-0.19	0.90
16286.00	90.040	329.340	7496.60	8428.30	5958.47	-6037.77	1695434.34	421360.01	39°39'6.6321"N	80°34'54.0854"W	8482.81	314.621	0.13	-0.06	-0.12
16381.00	89.980	328.960	7496.59	8522.37	6040.03	-6086.49	1695385.62	421441.57	39°39'7.4323"N	80°34'54.7207"W	8574.80	314.780	0.40	-0.06	-0.40
16476.00	90.130	329.390	7496.49	8616.43	6121.60	-6135.17	1695336.95	421523.14	39°39'8.2327"N	80°34'55.3556"W	8666.85	314.937	0.48	0.16	0.45
16570.00	89.980	329.210	7496.40	8709.47	6202.43	-6183.16	1695288.96	421603.96	39°39'9.0258"N	80°34'55.9815"W	8757.95	315.089	0.25	-0.16	-0.19
16665.00	89.950	329.900	7496.46	8803.45	6284.33	-6231.30	1695240.82	421685.86	39°39'9.8294"N	80°34'56.6095"W	8849.97	315.243	0.73	-0.03	0.73
16760.00	90.160	330.320	7496.37	8897.28	6366.69	-6278.64	1695193.49	421768.21	39°39'10.6377"N	80°34'57.2274"W	8941.82	315.399	0.49	0.22	0.44
16855.00	90.070	330.230	7496.18	8991.07	6449.19	-6325.74	1695146.38	421850.71	39°39'11.4474"N	80°34'57.8423"W	9033.67	315.554	0.13	-0.09	-0.09
16949.00	90.130	330.270	7496.02	9083.88	6530.80	-6372.39	1695099.74	421932.31	39°39'12.2483"N	80°34'58.4512"W	9124.62	315.703	0.08	0.06	0.04
17045.00	89.980	329.350	7495.92	9178.77	6613.78	-6420.66	1695051.47	422015.29	39°39'13.0626"N	80°34'59.0811"W	9217.76	315.849	0.97	-0.16	-0.96
17140.00	89.700	327.850	7496.19	9272.96	6694.87	-6470.16	1695001.98	422096.37	39°39'13.8580"N	80°34'59.7264"W	9310.43	315.978	1.61	-0.29	-1.58
17234.00	89.390	329.710	7496.94	9366.12	6775.25	-6518.88	1694953.26	422176.74	39°39'14.6466"N	80°35'0.3616"W	9402.11	316.105	2.01	-0.33	1.98
17329.00	89.640	329.540	7497.74	9460.07	6857.20	-6566.91	1694905.23	422258.69	39°39'15.4508"N	80°35'0.9883"W	9494.50	316.239	0.32	0.26	-0.18
17424.00	89.760	329.880	7498.24	9554.00	6939.23	-6614.83	1694857.32	422340.72	39°39'16.2557"N	80°35'1.6135"W	9586.91	316.371	0.38	0.13	0.36
17519.00	89.860	330.560	7498.55	9647.80	7021.69	-6662.01	1694810.14	422423.17	39°39'17.0649"N	80°35'2.2294"W	9679.18	316.506	0.72	0.11	0.72
17614.00	89.790	330.290	7498.84	9741.55	7104.31	-6708.90	1694763.25	422505.78	39°39'17.8758"N	80°35'2.8416"W	9771.41	316.640	0.29	-0.07	-0.28
17709.00	89.760	330.140	7499.22	9835.36	7186.76	-6756.09	1694716.07	422588.23	39°39'18.6850"N	80°35'3.4576"W	9863.78	316.769	0.16	-0.03	-0.16
17804.00	89.830	330.390	7499.56	9929.15	7269.25	-6803.21	1694668.95	422670.71	39°39'19.4946"N	80°35'4.0727"W	9956.18	316.897	0.27	0.07	0.26
17899.00	89.860	330.240	7499.81	10022.93	7351.78	-6850.25	1694621.91	422753.24	39°39'20.3046"N	80°35'4.6869"W	10048.62	317.022	0.16	0.03	-0.16
17993.00	89.670	330.170	7500.20	10115.75	7433.36	-6896.96	1694575.20	422834.81	39°39'21.1051"N	80°35'5.2967"W	10140.16	317.144	0.22	-0.20	-0.07
18088.00	89.830	330.410	7500.61	10209.53	7515.87	-6944.04	1694528.12	422917.32	39°39'21.9149"N	80°35'5.9113"W	10232.69	317.265	0.30	0.17	0.25
18183.00	89.760	330.200	7500.95	10303.32	7598.39	-6991.10	1694481.06	422999.83	39°39'22.7248"N	80°35'6.5257"W	10325.26	317.384	0.23	-0.07	-0.22
18278.00	89.820	330.300	7501.30	10397.11	7680.87	-7038.25	1694433.93	423082.31	39°39'23.5343"N	80°35'7.1411"W	10417.90	317.500	0.12	0.06	0.11
18373.00	89.890	330.360	7501.54	10490.89	7763.41	-7085.27	1694386.90	423164.85	39°39'24.3444"N	80°35'7.7551"W	10510.55	317.615	0.10	0.07	0.06
18468.00	89.820	329.830	7501.78	10584.72	7845.76	-7132.63	1694339.54	423247.19	39°39'25.1526"N	80°35'8.3733"W	10603.32	317.726	0.56	-0.07	-0.56
18562.00	89.790	330.240	7502.10	10677.59	7927.20	-7179.58	1694292.60	423328.62	39°39'25.9517"N	80°35'8.9861"W	10695.18	317.833	0.44	-0.03	0.44
18658.00	89.820	331.050	7502.43	10772.26	8010.87	-7226.64	1694245.54	423412.29	39°39'26.7730"N	80°35'9.6007"W	10788.81	317.946	0.84	0.03	0.84
18753.00	89.860	330.330	7502.69	10865.94	8093.71	-7273.15	1694199.04	423495.12	39°39'27.5860"N	80°35'10.2081"W	10881.49	318.057	0.76	0.04	-0.76

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Actual Wellpath Report

Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH DATA (250 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]
18848.00	89.760	330.410	7503.01	10959.70	8176.28	-7320.12	1694152.07	423577.69	39°39'28.3965"N	80°35'10.8213"W	10974.32	318.162	0.13	-0.11	0.08
18943.00	90.010	329.880	7503.20	11053.53	8258.68	-7367.41	1694104.78	423660.08	39°39'29.2051"N	80°35'11.4387"W	11067.27	318.264	0.62	0.26	-0.56
19038.00	89.800	330.040	7503.36	11147.40	8340.91	-7414.97	1694057.23	423742.31	39°39'30.0121"N	80°35'12.0594"W	11160.31	318.363	0.28	-0.22	0.17
19133.00	89.640	330.500	7503.82	11241.19	8423.41	-7462.08	1694010.12	423824.80	39°39'30.8217"N	80°35'12.6745"W	11253.28	318.463	0.51	-0.17	0.48
19228.00	89.490	330.130	7504.54	11334.96	8505.94	-7509.12	1693963.08	423907.33	39°39'31.6317"N	80°35'13.2887"W	11346.27	318.562	0.42	-0.16	-0.39
19323.00	89.640	330.990	7505.26	11428.67	8588.67	-7555.81	1693916.39	423990.05	39°39'32.4436"N	80°35'13.8984"W	11439.21	318.661	0.92	0.16	0.91
19419.00	89.400	329.510	7506.07	11523.45	8672.01	-7603.45	1693868.76	424073.39	39°39'33.2616"N	80°35'14.5203"W	11533.26	318.756	1.56	-0.25	-1.54
19514.00	89.330	329.900	7507.12	11617.38	8754.03	-7651.37	1693820.84	424155.41	39°39'34.0664"N	80°35'15.1457"W	11626.54	318.845	0.42	-0.07	0.41
19609.00	89.610	330.240	7508.00	11711.22	8836.36	-7698.76	1693773.45	424237.73	39°39'34.8743"N	80°35'15.7644"W	11719.74	318.936	0.46	0.29	0.36
19704.00	89.460	329.900	7508.77	11805.06	8918.69	-7746.16	1693726.05	424320.05	39°39'35.6822"N	80°35'16.3832"W	11812.96	319.025	0.39	-0.16	-0.36
19798.00	89.420	329.950	7509.69	11897.95	9000.03	-7793.27	1693678.95	424401.39	39°39'36.4804"N	80°35'16.9980"W	11905.27	319.110	0.07	-0.04	0.05
19893.00	89.700	330.340	7510.42	11991.77	9082.42	-7840.56	1693631.66	424483.77	39°39'37.2890"N	80°35'17.6154"W	11998.53	319.197	0.51	0.29	0.41
19989.00	89.920	329.530	7510.74	12086.63	9165.50	-7888.65	1693583.57	424566.85	39°39'38.1043"N	80°35'18.2431"W	12092.86	319.282	0.87	0.23	-0.84
20083.00	90.260	330.890	7510.59	12179.45	9247.08	-7935.35	1693536.88	424648.42	39°39'38.9048"N	80°35'18.8528"W	12185.16	319.366	1.49	0.36	1.45
20179.00	90.190	330.650	7510.21	12274.09	9330.85	-7982.23	1693490.00	424732.19	39°39'39.7271"N	80°35'19.4652"W	12279.28	319.454	0.26	-0.07	-0.25
20274.00	90.160	330.590	7509.92	12367.79	9413.63	-8028.84	1693443.40	424814.97	39°39'40.5396"N	80°35'20.0739"W	12372.50	319.539	0.07	-0.03	-0.06
20369.00	90.070	329.910	7509.73	12461.58	9496.11	-8075.98	1693396.26	424897.44	39°39'41.3490"N	80°35'20.6894"W	12465.85	319.620	0.72	-0.09	-0.72
20463.00	89.730	330.140	7509.90	12554.45	9577.54	-8122.94	1693349.30	424978.86	39°39'42.1481"N	80°35'21.3024"W	12558.32	319.698	0.44	-0.36	0.24
20559.00	89.090	328.800	7510.88	12649.42	9660.22	-8171.70	1693300.54	425061.54	39°39'42.9594"N	80°35'21.9387"W	12652.93	319.772	1.55	-0.67	-1.40
20654.00	89.270	329.210	7512.24	12743.52	9741.65	-8220.62	1693251.62	425142.96	39°39'43.7582"N	80°35'22.5768"W	12746.70	319.840	0.47	0.19	0.43
20749.00	89.830	329.690	7512.99	12837.51	9823.46	-8268.90	1693203.34	425224.77	39°39'44.5609"N	80°35'23.2068"W	12840.37	319.911	0.78	0.59	0.51
20845.00	89.490	329.220	7513.56	12932.49	9906.13	-8317.69	1693154.56	425307.44	39°39'45.3721"N	80°35'23.8434"W	12935.05	319.981	0.60	-0.35	-0.49
20940.00	89.210	327.870	7514.64	13026.69	9987.17	-8367.26	1693104.99	425388.46	39°39'46.1669"N	80°35'24.4898"W	13028.99	320.044	1.45	-0.29	-1.42
21034.00	89.240	330.050	7515.91	13119.80	10067.69	-8415.72	1693056.53	425468.99	39°39'46.9569"N	80°35'25.1219"W	13121.85	320.107	2.32	0.03	2.32
21130.00	89.550	330.650	7516.92	13214.55	10151.12	-8463.21	1693009.05	425552.41	39°39'47.7756"N	80°35'25.7420"W	13216.32	320.181	0.70	0.32	0.63
21225.00	89.730	330.110	7517.52	13308.31	10233.70	-8510.16	1692962.10	425634.99	39°39'48.5861"N	80°35'26.3552"W	13309.83	320.254	0.60	0.19	-0.57
21320.00	89.830	331.090	7517.88	13402.01	10316.47	-8556.80	1692915.46	425717.74	39°39'49.3984"N	80°35'26.9643"W	13403.29	320.327	1.04	0.11	1.03
21414.00	89.790	331.520	7518.20	13494.53	10398.92	-8601.93	1692870.33	425800.19	39°39'50.2079"N	80°35'27.5541"W	13495.58	320.403	0.46	-0.04	0.46
21509.00	89.790	330.780	7518.54	13588.07	10482.13	-8647.77	1692824.50	425883.40	39°39'51.0247"N	80°35'28.1532"W	13588.93	320.477	0.78	0.00	-0.78
21604.00	89.730	331.190	7518.94	13681.67	10565.20	-8693.85	1692778.42	425966.47	39°39'51.8401"N	80°35'28.7552"W	13682.35	320.550	0.44	-0.06	0.43

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Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH DATA (250 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]
21699.00	89.860	331.420	7519.28	13775.17	10648.54	-8739.46	1692732.81	426049.79	39°39'52.6582"N	80°35'29.3514"W	13775.69	320.624	0.28	0.14	0.24
21794.00	89.860	331.580	7519.51	13868.62	10732.02	-8784.79	1692687.48	426133.28	39°39'53.4778"N	80°35'29.9439"W	13868.99	320.698	0.17	0.00	0.17
21889.00	89.860	331.220	7519.75	13962.09	10815.43	-8830.27	1692642.01	426216.68	39°39'54.2966"N	80°35'30.5383"W	13962.35	320.770	0.38	0.00	-0.38
21984.00	89.790	330.710	7520.04	14055.69	10898.49	-8876.38	1692595.91	426299.73	39°39'55.1119"N	80°35'31.1408"W	14055.86	320.839	0.54	-0.07	-0.54
22079.00	89.920	330.100	7520.28	14149.44	10981.10	-8923.29	1692548.99	426382.34	39°39'55.9226"N	80°35'31.7535"W	14149.55	320.903	0.66	0.14	-0.64
22174.00	89.830	329.940	7520.48	14243.30	11063.39	-8970.76	1692501.53	426464.62	39°39'56.7301"N	80°35'32.3733"W	14243.35	320.963	0.19	-0.09	-0.17
22269.00	90.010	330.430	7520.62	14337.11	11145.81	-9018.00	1692454.29	426547.04	39°39'57.5389"N	80°35'32.9900"W	14337.13	321.024	0.55	0.19	0.52
22364.00	90.100	329.140	7520.53	14431.03	11227.90	-9065.81	1692406.49	426629.13	39°39'58.3444"N	80°35'33.6141"W	14431.03	321.081	1.36	0.09	-1.36
22459.00	90.010	328.330	7520.44	14525.19	11309.11	-9115.11	1692357.19	426710.32	39°39'59.1410"N	80°35'34.2571"W	14525.19	321.131	0.86	-0.09	-0.85
22495.00‡	90.010	328.330	7520.43	14560.90	11339.75	-9134.01	1692338.29	426740.96	39°39'59.4415"N	80°35'34.5036"W	14560.91	321.149	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Denver 3H AWB Ref Wellpath: Denver 3H AWP Proj: 22495'

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	1208.00	1180.00	28.00	1208.00	0.00	0.00	-0.68	0.77
13.375in Casing Surface	28.00	1208.00	1180.00	28.00	1208.00	0.00	0.00	-0.68	0.77
12.25in Open Hole	1208.00	2638.00	1430.00	1208.00	2637.98	-0.68	0.77	-2.70	6.03
9.625in Casing Intermediate	28.00	2638.00	2610.00	28.00	2637.98	0.00	0.00	-2.70	6.03
8.75in Open Hole	2638.00	7321.00	4683.00	2637.98	6851.08	-2.70	6.03	-1233.37	-1457.92
8.5in Open Hole	7321.00	22495.00	15174.00	6851.08	7520.43	-1233.37	-1457.92	11339.75	-9134.01
6in Casing Production	28.00	22495.00	22467.00	28.00	7520.43	0.00	0.00	11339.75	-9134.01

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Actual Wellpath Report

Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Denver 3H BHL Rev-1	7467.00	11337.29	-9140.37	1692331.93	426738.50	39°39'59.4164"N	80°35'34.5845"W	point
Denver 3H LP Rev-1	7467.00	-858.05	-2057.47	1699414.39	414543.91	39°37'59.7390"N	80°34'2.1671"W	point
Denver Hardline 1 (7.31.23)	8000.00	10734.66	-10178.09	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	11236.88	-9313.34	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	15538.49	-10655.23	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	13220.39	-8152.46	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	10925.79	-5663.35	1695808.73	426327.03	39°39'55.7656"N	80°34'50.0628"W	polygon
2D Polygon: dimensions not calculated								
Denver L&A 1 (7.31.23)	8000.00	3514.48	-726.39	1700745.39	418916.17	39°38'43.1062"N	80°33'45.8166"W	polygon
2D Polygon: dimensions not calculated								



Actual Wellpath Report

Denver 3H AWP Proj: 22495'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

WELLPATH COMPOSITION - Ref Wellbore: Denver 3H AWB Ref Wellpath: Denver 3H AWP Proj: 22495'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2589.00	Gyrodatta 2015 - CT+WIR+DPIPE	01 Gyrodatta Cont Gyro <12-1/4">(115'-2589')	Denver 3H AWB	7/27/2023
2589.00	7246.00	OWSG MWD rev2 + HRGM	02 SDI MWD <8-3/4">(2589')(2686'-7246')	Denver 3H AWB	7/27/2023
7246.00	22495.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 BH Lucida+SQC IFR1+SAG+FDIR <8-1/2">(7246')(7349'-22459')	Denver 3H AWB	8/7/2023

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Actual Wellpath Report

Denver 3H AWP Proj: 22495'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Denver 3H
Field	Wetzel	API	47-103-03514-0000
Facility	Denver Pad	Wellbore	Denver 3H AWB
Slot	Slot 03		

COMMENTS

Wellpath general comments

API: 47-103-03514-0000

BH Job #: 111914483

Rig: Patterson 292

Duration: 8/10/2023-8/12/2023

01_Gyrodatta Cont Gyro <12-1/4">(115'-2589')

02_SD1 MWD <8-3/4">(2589')(2686'-7246')

03_BH Lucida+SQC IFR1+SAG+FDIR <8-1/2">(7246')(7349'-22459')

Landing Pt. @ 8393' MD

Final Survey @ 22459' MD

Projected MD at TD: 22495'

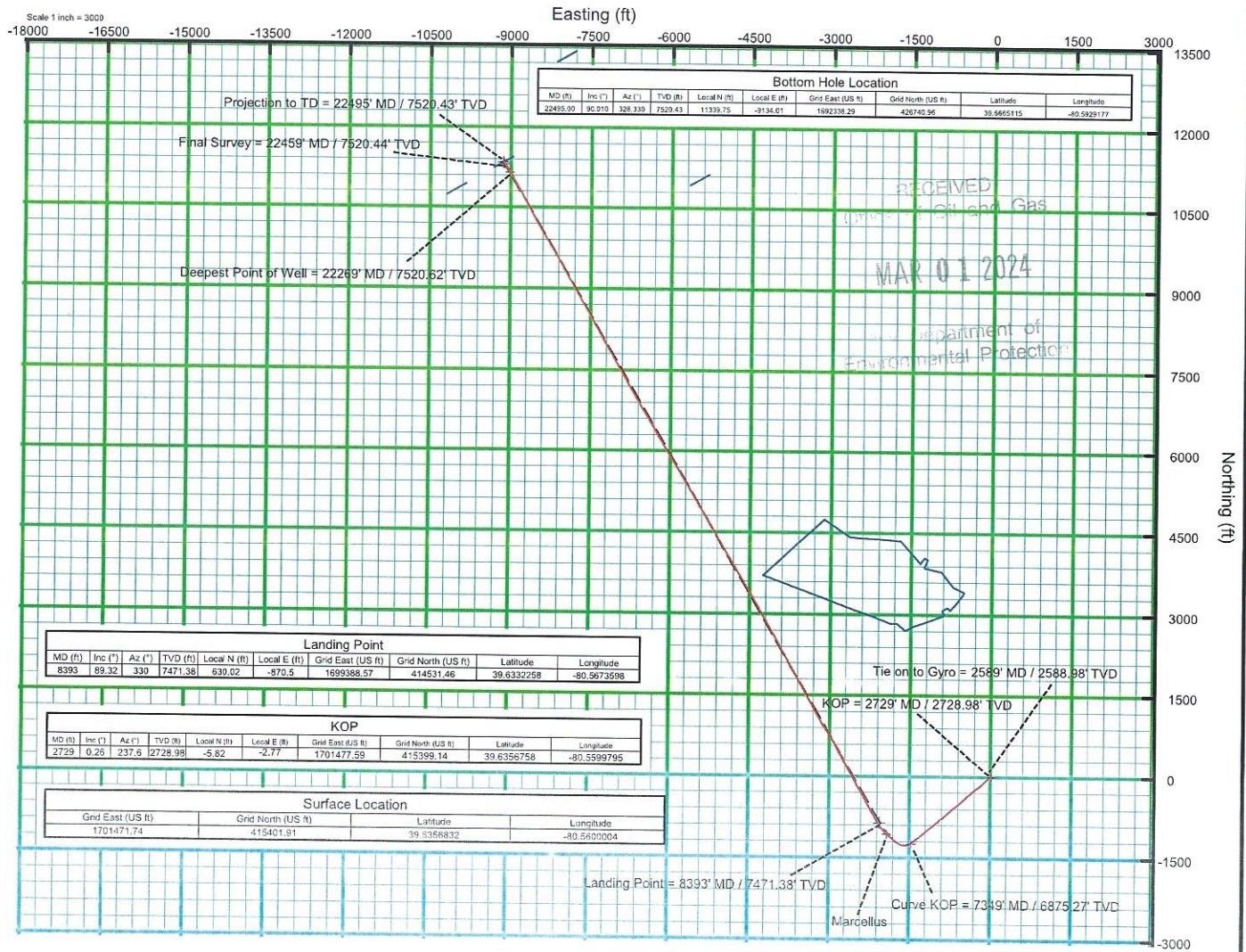
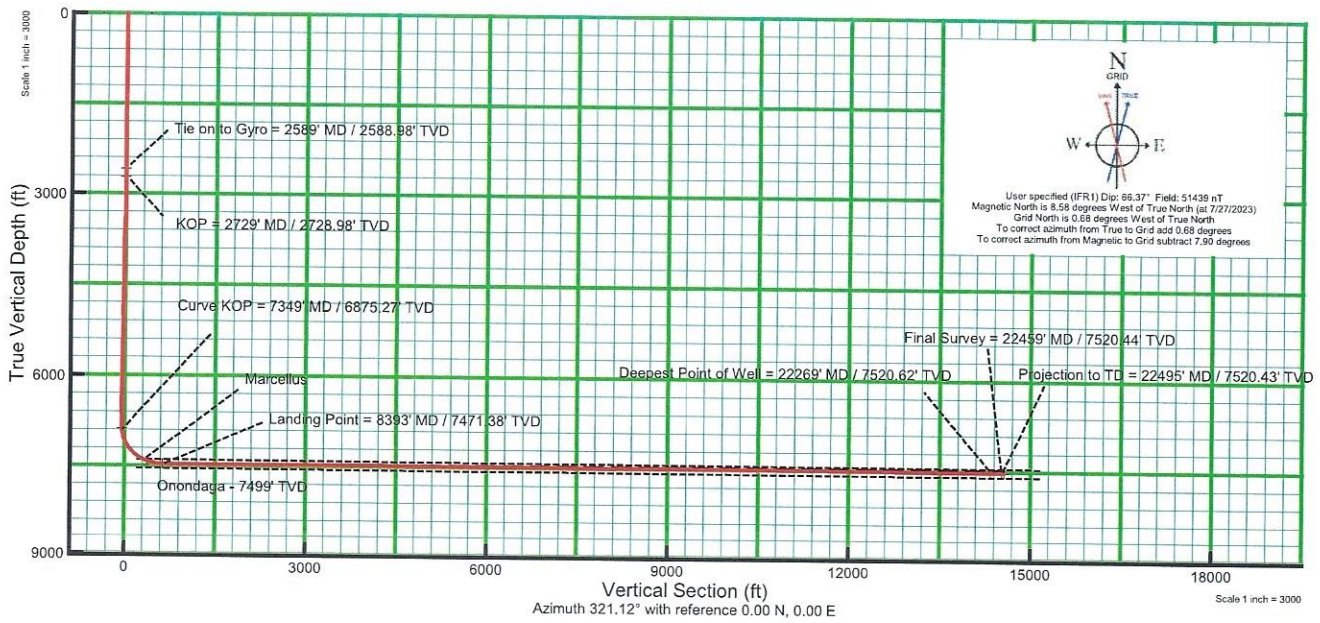
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KB Elevation=1379 FT
 Ground Elevation=1351 FT
 All Survey Measurements were taken from KB Elevation



06/21/2024