

# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 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	Manajohj
Scale	0.999941	Report Generated	5/4/2022 at 10:00:23 PM
Convergence at slot	0.65° 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	33.79	7.68	1713406.22	390455.95	39°34'3.2785"N	80°30'59.8513"W
Facility Reference Pt			1713398.54	390422.16	39°34'2.9437"N	80°30'59.9445"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 294 (RKB) to Facility Vertical Datum	1274.00ft
Horizontal Reference Pt	Slot	Patterson 294 (RKB) to Mean Sea Level	1274.00ft
Vertical Reference Pt	Patterson 294 (RKB)	Patterson 294 (RKB) to Ground Level at Slot (Slot #07)	28.00ft
IMD Reference Pt	Patterson 294 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	327.57°

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Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 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	0.00	97.400	0.00	0.00	0.00	0.00	1713406.22	390455.95	39°34'3.2785"N	80°30'59.8513"W	0.00	0.000	0.00	0.00	0.00
28.00	0.00	97.400	28.00	0.00	0.00	0.00	1713406.22	390455.95	39°34'3.2785"N	80°30'59.8513"W	0.00	0.000	0.00	0.00	0.00
115.00	0.140	97.400	115.00	-0.07	-0.01	0.11	1713406.33	390455.94	39°34'3.2784"N	80°30'59.8500"W	0.11	97.400	0.16	0.16	0.00
215.00	0.210	263.710	215.00	-0.07	-0.05	0.04	1713406.26	390455.90	39°34'3.2780"N	80°30'59.8507"W	0.07	138.108	0.35	0.07	166.31
315.00	0.180	357.210	315.00	0.15	0.09	-0.15	1713406.07	390456.04	39°34'3.2793"N	80°30'59.8532"W	0.17	300.985	0.28	-0.03	93.50
415.00	0.190	44.550	415.00	0.32	0.36	-0.04	1713406.18	390456.31	39°34'3.2820"N	80°30'59.8519"W	0.36	353.140	0.14	0.00	47.34
515.00	0.240	103.160	515.00	0.21	0.42	0.27	1713406.49	390456.37	39°34'3.2827"N	80°30'59.8479"W	0.50	32.834	0.21	0.06	58.61
615.00	0.250	77.430	615.00	-0.01	0.42	0.69	1713406.91	390456.34	39°34'3.2827"N	80°30'59.8426"W	0.81	58.591	0.11	0.01	-25.73
715.00	0.110	142.100	715.00	-0.18	0.39	0.96	1713407.18	390456.34	39°34'3.2825"N	80°30'59.8391"W	1.04	67.793	0.23	-0.14	64.67
815.00	0.080	138.370	815.00	-0.35	0.26	1.07	1713407.29	390456.21	39°34'3.2812"N	80°30'59.8377"W	1.10	76.083	0.03	-0.03	-3.73
915.00	0.130	94.240	915.00	-0.49	0.20	1.22	1713407.44	390456.15	39°34'3.2806"N	80°30'59.8357"W	1.24	80.570	0.09	0.05	-44.13
1015.00	0.140	132.410	1015.00	-0.67	0.11	1.43	1713407.65	390456.06	39°34'3.2798"N	80°30'59.8331"W	1.43	85.490	0.09	0.01	38.17
1115.00	0.170	126.080	1115.00	-0.93	-0.06	1.64	1713407.86	390455.89	39°34'3.2781"N	80°30'59.8304"W	1.64	91.997	0.03	0.03	-6.33
1215.00	0.270	114.440	1215.00	-1.26	-0.24	1.97	1713408.19	390455.71	39°34'3.2763"N	80°30'59.8261"W	1.99	96.993	0.11	0.10	-11.64
1315.00	0.350	117.590	1314.99	-1.72	-0.48	2.46	1713408.68	390455.47	39°34'3.2740"N	80°30'59.8199"W	2.50	101.070	0.08	0.08	3.15
1415.00	0.330	115.250	1414.99	-2.23	-0.75	2.99	1713409.21	390455.20	39°34'3.2715"N	80°30'59.8130"W	3.08	103.999	0.02	-0.02	-2.34
1515.00	0.200	99.070	1514.99	-2.59	-0.90	3.42	1713409.64	390455.05	39°34'3.2700"N	80°30'59.8075"W	3.54	104.666	0.15	-0.13	-16.18
1615.00	0.110	103.310	1614.99	-2.78	-0.95	3.69	1713409.91	390455.00	39°34'3.2696"N	80°30'59.8041"W	3.81	104.376	0.09	-0.09	4.24
1715.00	0.290	116.350	1714.99	-3.06	-1.08	4.01	1713410.23	390454.87	39°34'3.2683"N	80°30'59.8000"W	4.15	105.076	0.18	0.18	13.04
1815.00	0.290	127.590	1814.99	-3.51	-1.35	4.44	1713410.65	390454.60	39°34'3.2657"N	80°30'59.7945"W	4.64	106.886	0.06	0.00	11.24
1915.00	0.310	160.020	1914.99	-4.02	-1.75	4.73	1713410.95	390454.20	39°34'3.2579"N	80°30'59.7907"W	5.04	110.363	0.17	0.02	32.43
2015.00	0.330	117.890	2014.99	-4.53	-2.14	5.08	1713411.29	390453.81	39°34'3.2579"N	80°30'59.7862"W	5.51	112.900	0.23	0.02	-42.13
2115.00	0.190	88.750	2114.99	-4.87	-2.27	5.50	1713411.72	390453.67	39°34'3.2566"N	80°30'59.7808"W	5.95	112.488	0.19	-0.14	-29.14
2215.00	0.270	116.790	2214.98	-5.16	-2.38	5.87	1713412.09	390453.58	39°34'3.2557"N	80°30'59.7760"W	6.33	112.044	0.14	0.08	28.04
2315.00	0.290	120.300	2314.98	-5.58	-2.61	6.30	1713412.52	390453.34	39°34'3.2534"N	80°30'59.7705"W	6.82	112.513	0.03	0.02	3.51
2415.00	0.260	142.030	2414.98	-6.03	-2.92	6.66	1713412.88	390453.03	39°34'3.2504"N	80°30'59.7659"W	7.27	113.665	0.11	-0.03	21.73
2423.00	0.250	148.670	2422.98	-6.07	-2.95	6.68	1713412.90	390453.00	39°34'3.2501"N	80°30'59.7656"W	7.30	113.811	0.39	-0.13	83.00
2538.00	0.610	114.210	2537.98	-6.86	-3.43	7.40	1713413.62	390452.52	39°34'3.2454"N	80°30'59.7563"W	8.16	114.850	0.41	0.35	-29.97
2581.00	0.520	111.130	2580.98	-7.23	-3.60	7.81	1713414.03	390452.35	39°34'3.2438"N	80°30'59.7511"W	8.60	114.747	0.31	-0.30	-7.16
2625.00	0.380	833.610	2624.98	-7.24	-3.54	7.93	1713414.15	390452.41	39°34'3.2444"N	80°30'59.7495"W	8.68	114.060	1.91	-0.32	-312.55

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Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 stations)

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]
2668.00	2.160	304.190	2667.96	-6.36	-2.96	7.20	1713413.42	390452.99	39°34'3.2501"N	80°30'59.7590"W	7.78	112.342	4.28	4.14	-68.42
2711.00	4.140	291.570	2710.90	-4.36	-1.93	5.08	1713411.30	390454.02	39°34'3.2600"N	80°30'59.7861"W	5.44	110.808	4.85	4.60	-29.35
2754.00	5.640	278.570	2753.74	-1.71	-1.05	1.55	1713407.77	390454.90	39°34'3.2683"N	80°30'59.8314"W	1.87	124.024	4.32	3.49	-30.23
2797.00	6.640	266.330	2796.49	0.87	-0.89	-3.02	1713403.20	390455.06	39°34'3.2694"N	80°30'59.8898"W	3.15	253.587	3.82	2.33	-28.47
2840.00	6.850	252.450	2839.20	2.72	-1.82	-7.95	1713398.27	390454.13	39°34'3.2596"N	80°30'59.9525"W	8.15	257.085	3.81	2.49	-32.28
2883.00	6.070	236.390	2881.93	3.34	-3.85	-12.29	1713393.93	390452.10	39°34'3.2390"N	80°31'0.0076"W	12.88	252.583	4.56	-1.81	-37.35
2970.00	5.010	220.490	2968.53	2.13	-9.29	-18.58	1713387.64	390446.66	39°34'3.1846"N	80°31'0.0873"W	20.78	243.440	2.13	-1.22	-18.28
3056.00	4.570	215.530	3054.23	-0.26	-14.93	-23.01	1713383.21	390441.02	39°34'3.1283"N	80°31'0.1430"W	27.43	237.020	0.70	-0.51	-5.77
3142.00	4.530	225.900	3139.96	-2.24	-20.09	-27.44	1713378.78	390435.87	39°34'3.0769"N	80°31'0.1988"W	34.01	233.800	0.96	-0.05	12.06
3229.00	4.370	229.650	3226.70	-3.39	-24.62	-32.44	1713373.78	390431.33	39°34'3.0315"N	80°31'0.2619"W	40.72	232.798	0.38	-0.18	4.31
3315.00	4.520	230.220	3312.44	-4.27	-28.91	-37.54	1713368.68	390427.04	39°34'2.9886"N	80°31'0.3264"W	47.38	232.396	0.18	0.17	0.66
3401.00	4.320	225.970	3398.18	-5.36	-33.33	-42.47	1713363.75	390422.62	39°34'2.9443"N	80°31'0.3888"W	53.99	231.875	0.45	-0.23	-4.94
3437.00	4.720	230.650	3483.91	-6.44	-37.83	-47.54	1713358.69	390418.13	39°34'2.8994"N	80°31'0.4528"W	60.75	231.489	0.63	0.27	5.44
3573.00	4.950	232.580	3569.61	-7.18	-42.32	-53.22	1713353.00	390413.63	39°34'2.8543"N	80°31'0.5247"W	68.00	231.505	0.33	0.47	2.24
3659.00	4.710	225.350	3655.30	-8.25	-47.06	-58.68	1713347.55	390408.89	39°34'2.8069"N	80°31'0.5937"W	75.22	231.270	0.76	-0.28	-8.41
3746.00	4.600	220.610	3742.02	-10.03	-52.22	-63.49	1713342.73	390403.73	39°34'2.7553"N	80°31'0.6544"W	82.21	230.563	0.46	-0.13	-5.45
3832.00	5.530	229.340	3827.68	-11.63	-57.54	-68.88	1713337.35	390398.42	39°34'2.6473"N	80°31'0.8020"W	89.75	230.126	1.40	1.08	10.15
3918.00	5.610	228.510	3913.28	-12.88	-63.02	-75.17	1713331.05	390392.93	39°34'2.5908"N	80°31'0.8794"W	98.09	230.024	0.13	0.09	-0.97
4005.00	5.380	226.090	3999.88	-14.36	-68.67	-81.29	1713324.93	390387.29	39°34'2.5387"N	80°31'0.9550"W	106.41	229.813	0.38	-0.26	-2.78
4091.00	5.210	231.970	4085.51	-15.55	-73.87	-87.27	1713318.95	390382.08	39°34'2.4932"N	80°31'0.10320"W	114.34	229.755	0.66	-0.20	6.84
4177.00	4.920	234.700	4171.17	-16.11	-78.41	-93.36	1713312.87	390377.55	39°34'2.4499"N	80°31'1.1018"W	121.92	229.975	0.44	-0.34	3.17
4263.00	4.430	228.900	4256.89	-16.80	-82.72	-98.87	1713307.35	390373.23	39°34'2.4097"N	80°31'1.1706"W	128.91	230.083	0.79	-0.57	-6.74
4349.00	4.610	238.150	4342.62	-17.26	-86.73	-104.31	1713301.91	390369.23	39°34'2.3764"N	80°31'1.2476"W	135.66	230.259	0.87	0.21	10.76
4435.00	4.620	244.720	4428.34	-16.80	-90.03	-110.38	1713295.85	390365.92	39°34'2.3474"N	80°31'1.2615"W	142.44	230.797	0.61	0.01	7.64
4521.00	4.030	242.620	4514.10	-16.10	-92.90	-116.19	1713290.03	390363.06	39°34'2.3184"N	80°31'1.3215"W	148.77	231.357	0.71	-0.69	-2.44
4608.00	4.870	246.740	4600.83	-15.24	-95.76	-122.30	1713283.93	390360.19	39°34'2.2870"N	80°31'1.3990"W	155.33	231.938	1.03	0.97	4.74
4694.00	5.030	243.860	4686.51	-14.25	-98.87	-129.04	1713277.19	390357.09	39°34'2.2505"N	80°31'1.4846"W	162.56	232.542	0.34	0.19	-3.35
4780.00	5.990	244.320	4772.12	-13.31	-102.47	-136.47	1713269.76	390353.48	39°34'2.2118"N	80°31'1.5790"W	170.66	233.098	1.12	1.12	0.53
4866.00	6.490	247.260	4857.61	-11.96	-106.30	-145.00	1713261.23	390349.66	39°34'2.1739"N	80°31'1.6873"W	179.78	233.755	0.69	0.58	3.42
4953.00	6.130	246.750	4944.08	-10.39	-110.03	-153.80	1713252.43	390345.93	39°34'2.1399"N	80°31'1.7991"W	189.10	234.419	0.42	-0.41	-0.59



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5029.00	5.930	248.720	5019.66	-8.99	-113.06	-161.18	1713245.05	390342.90	39°34'2.1432"N	80°31'1.8930"W	196.88	234.954	0.38	-0.26	2.59
5116.00	6.250	242.110	5106.17	-7.74	-116.90	-169.56	1713236.67	390339.05	39°34'2.1042"N	80°31'1.9994"W	205.95	235.415	0.89	0.37	-7.60
5202.00	6.120	236.630	5191.67	-7.45	-121.61	-177.52	1713228.71	390334.34	39°34'2.0568"N	80°31'2.1004"W	215.19	235.587	0.70	-0.15	-6.37
5288.00	6.010	234.400	5277.19	-7.77	-126.76	-185.01	1713221.22	390329.20	39°34'2.0051"N	80°31'2.1953"W	224.27	235.584	0.30	-0.13	-2.59
5375.00	5.900	234.720	5363.72	-8.25	-131.99	-192.37	1713213.86	390323.97	39°34'1.9526"N	80°31'2.2884"W	233.30	235.544	0.13	-0.13	0.37
5461.00	5.900	235.510	5449.26	-8.63	-137.05	-199.62	1713206.61	390318.91	39°34'1.9018"N	80°31'2.3803"W	242.13	235.529	0.09	0.00	0.92
5547.00	5.560	225.910	5534.83	-9.63	-142.45	-206.25	1713199.98	390313.51	39°34'1.8477"N	80°31'2.4642"W	250.66	235.369	1.18	-0.40	-11.16
5633.00	5.510	222.390	5620.43	-11.55	-148.40	-212.03	1713194.20	390307.56	39°34'1.7882"N	80°31'2.5371"W	258.80	235.012	0.40	-0.06	-4.09
5720.00	5.470	221.740	5707.03	-13.77	-154.58	-217.61	1713188.63	390301.38	39°34'1.7265"N	80°31'2.6074"W	266.92	234.612	0.08	-0.05	-0.75
5806.00	5.220	218.060	5792.66	-16.20	-160.71	-222.75	1713183.49	390295.25	39°34'1.6653"N	80°31'2.6722"W	274.67	234.189	0.49	-0.29	-4.28
5892.00	5.420	226.080	5878.29	-18.32	-166.61	-228.08	1713178.15	390289.35	39°34'1.6064"N	80°31'2.7395"W	282.46	233.852	0.89	0.23	9.33
5979.00	6.040	226.630	5964.86	-20.00	-172.61	-234.37	1713171.86	390283.35	39°34'1.5465"N	80°31'2.8189"W	291.07	233.630	0.72	0.71	0.63
6055.00	5.670	224.860	6050.41	-21.80	-178.72	-240.66	1713165.58	390277.24	39°34'1.4853"N	80°31'2.8982"W	299.76	233.401	0.48	-0.43	-2.06
6151.00	5.360	234.460	6136.01	-22.95	-184.07	-246.92	1713159.31	390271.89	39°34'1.4318"N	80°31'2.9775"W	307.98	233.297	1.13	-0.36	11.16
6237.00	4.780	241.460	6221.68	-22.92	-188.12	-253.34	1713152.90	390267.84	39°34'1.3911"N	80°31'3.0588"W	315.55	233.404	0.98	-0.67	8.14
6324.00	5.080	236.450	6308.35	-22.75	-191.98	-259.73	1713146.50	390263.98	39°34'1.3522"N	80°31'3.1399"W	322.98	233.531	0.60	0.34	-5.76
6410.00	4.680	228.710	6394.04	-23.37	-196.40	-265.54	1713140.69	390259.56	39°34'1.3079"N	80°31'3.2134"W	330.28	233.513	0.89	-0.47	-9.00
6496.00	4.610	217.040	6479.76	-25.12	-201.47	-270.26	1713135.98	390254.49	39°34'1.2572"N	80°31'3.2729"W	337.09	233.297	1.10	-0.08	-13.57
6582.00	4.150	219.880	6565.51	-27.28	-206.62	-274.34	1713131.90	390249.34	39°34'1.2059"N	80°31'3.3243"W	343.44	233.015	0.59	-0.53	3.30
6668.00	4.220	220.010	6651.28	-29.18	-211.43	-278.37	1713127.87	390244.53	39°34'1.1579"N	80°31'3.3750"W	349.56	232.782	0.08	0.08	0.00
6703.00	4.540	219.880	6691.17	-30.10	-213.77	-280.33	1713125.91	390242.19	39°34'1.1345"N	80°31'3.3997"W	352.54	232.672	0.80	0.80	-0.32
6780.00	4.900	216.730	6762.92	-32.06	-218.42	-284.00	1713122.24	390237.54	39°34'1.0881"N	80°31'3.4458"W	358.28	232.436	0.62	0.50	-4.38
6875.00	6.990	316.670	6857.60	-27.82	-217.47	-290.40	1713115.84	390238.50	39°34'1.0969"N	80°31'3.5278"W	362.80	233.172	9.68	2.20	105.20
6970.00	16.620	317.470	6950.48	-8.72	-203.22	-303.58	1713102.65	390252.74	39°34'1.2362"N	80°31'3.6982"W	365.32	236.202	10.14	10.14	0.84
7065.00	22.220	313.220	7040.04	22.08	-180.89	-325.88	1713080.66	390275.08	39°34'1.4544"N	80°31'3.9860"W	372.71	240.966	6.08	5.89	-4.47
7160.00	32.520	316.570	7124.30	64.67	-149.96	-356.61	1713049.64	390306.00	39°34'1.7566"N	80°31'4.3829"W	386.85	247.193	10.96	10.84	3.53
7254.00	41.530	318.320	7199.27	120.34	-108.25	-394.78	1713011.47	390347.71	39°34'2.1646"N	80°31'4.8763"W	409.35	254.667	9.65	9.59	1.86
7349.00	50.480	320.460	7265.19	187.93	-56.36	-439.14	1712967.11	390399.60	39°34'2.6724"N	80°31'5.4502"W	442.74	262.687	9.56	9.42	2.25
7445.00	57.660	319.520	7321.49	264.93	3.12	-489.10	1712917.15	390459.07	39°34'3.2546"N	80°31'6.0968"W	489.11	270.366	7.52	7.48	-0.98
7540.00	64.890	324.990	7367.45	347.79	69.00	-539.93	1712866.32	390524.95	39°34'3.9000"N	80°31'6.7553"W	544.32	277.283	9.13	7.61	5.76

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# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 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]
7034.00	74.520	330.200	7399.73	435.81	143.39	-587.00	1712819.26	390599.33	39°34'4.6298"N	80°31'7.3670"W	604.26	283.727	11.48	10.24	5.54
7730.00	85.560	332.920	7416.31	529.98	226.41	-631.92	1712774.34	390682.35	39°34'5.4453"N	80°31'7.9526"W	671.26	289.712	11.83	11.50	2.83
7825.00	89.140	331.050	7420.70	624.57	310.17	-676.49	1712729.77	390766.10	39°34'6.2680"N	80°31'8.5338"W	744.20	294.631	4.25	3.77	-1.97
7919.00	89.080	330.540	7422.16	718.41	392.21	-722.35	1712683.92	390848.14	39°34'7.0737"N	80°31'9.1313"W	821.96	298.500	4.55	-0.06	-0.54
8014.00	89.780	329.670	7423.11	813.31	474.56	-769.69	1712636.57	390930.48	39°34'7.8822"N	80°31'9.7477"W	904.23	301.656	1.18	0.74	-0.92
8109.00	88.580	329.790	7424.47	908.24	556.60	-817.57	1712588.70	391012.52	39°34'8.6876"N	80°31'10.3710"W	989.06	304.247	1.27	-1.26	0.13
8204.00	90.710	330.800	7425.06	1003.12	639.11	-864.65	1712541.63	391095.02	39°34'9.4977"N	80°31'10.9840"W	1075.21	306.470	2.48	2.24	1.06
8299.00	89.630	328.230	7424.78	1098.06	720.97	-912.84	1712493.44	391176.88	39°34'10.3013"N	80°31'11.6112"W	1163.21	308.302	2.93	-1.14	-2.71
8394.00	90.060	334.100	7425.03	1192.83	804.15	-958.63	1712447.65	391260.05	39°34'11.1182"N	80°31'12.2080"W	1251.25	309.992	6.20	0.45	6.18
8489.00	89.970	330.810	7425.01	1287.47	888.37	-1002.56	1712403.72	391344.27	39°34'11.9456"N	80°31'12.7811"W	1339.53	311.544	3.46	-0.09	-3.46
8584.00	90.710	329.920	7424.44	1382.35	970.94	-1049.53	1712356.75	391426.83	39°34'12.7564"N	80°31'13.3929"W	1429.77	312.773	1.22	0.78	-0.94
8679.00	88.830	329.500	7424.83	1477.28	1052.97	-1097.45	1712308.84	391508.86	39°34'13.5616"N	80°31'14.0166"W	1520.90	313.815	2.03	-1.98	-0.44
8775.00	89.540	330.960	7426.19	1573.16	1136.29	-1145.10	1712261.19	391592.17	39°34'14.3797"N	80°31'14.6372"W	1613.20	314.779	1.69	0.74	1.52
8870.00	88.890	325.510	7427.49	1668.11	1217.02	-1195.09	1712211.20	391672.90	39°34'15.1719"N	80°31'15.2872"W	1705.69	315.521	5.78	-0.68	-5.74
8965.00	89.380	330.130	7428.93	1763.08	1297.40	-1245.67	1712160.63	391753.27	39°34'16.7656"N	80°31'16.5688"W	1798.59	316.165	4.89	0.52	4.86
9060.00	89.820	329.240	7429.59	1858.01	1379.40	-1293.62	1712112.68	391835.27	39°34'17.5664"N	80°31'17.2021"W	1891.08	316.838	1.05	0.46	-0.94
9155.00	89.660	329.130	7430.02	1952.97	1460.99	-1342.28	1712064.02	391916.85	39°34'18.3647"N	80°31'17.8406"W	1983.99	317.425	0.20	-0.17	-0.12
9250.00	89.940	328.650	7430.35	2047.94	1542.33	-1391.37	1712014.94	391998.18	39°34'19.1633"N	80°31'18.4786"W	2077.18	317.946	0.58	0.29	-0.51
9345.00	90.150	329.200	7430.28	2142.91	1623.69	-1440.40	1711965.91	392079.54	39°34'20.7546"N	80°31'19.1050"W	2170.52	318.423	0.62	0.22	0.58
9439.00	89.720	329.190	7430.39	2236.88	1704.43	-1488.54	1711917.77	392160.28	39°34'21.5544"N	80°31'19.7425"W	2262.93	318.868	0.46	-0.46	-0.01
9534.00	89.600	328.710	7430.95	2331.85	1785.82	-1537.54	1711868.77	392241.66	39°34'22.3598"N	80°31'20.3778"W	2356.52	319.272	0.52	-0.13	-0.51
9629.00	89.050	329.430	7432.07	2426.81	1867.30	-1586.36	1711819.95	392323.14	39°34'23.1619"N	80°31'21.0011"W	2450.18	319.650	0.95	-0.58	0.76
9724.00	89.420	330.030	7433.34	2521.73	1949.34	-1634.25	1711772.07	392405.17	39°34'23.9423"N	80°31'21.6316"W	2543.76	320.025	0.74	0.39	0.63
9819.00	89.750	328.660	7434.03	2616.68	2031.06	-1682.69	1711723.63	392486.88	39°34'24.7215"N	80°31'22.2827"W	2637.54	320.359	1.49	0.35	-1.45
9913.00	88.740	326.960	7434.41	2710.68	2110.60	-1732.77	1711673.56	392566.42	39°34'25.5007"N	80°31'22.9595"W	2730.77	320.615	1.80	0.03	-1.80
10008.00	88.770	326.520	7435.64	2805.66	2190.03	-1784.87	1711621.46	392645.85	39°34'26.2894"N	80°31'23.6356"W	2825.24	320.820	1.19	-1.09	-0.46
10103.00	88.770	327.020	7437.70	2900.62	2269.48	-1836.91	1711569.42	392725.29	39°34'27.0851"N	80°31'24.2938"W	2919.72	321.013	0.53	0.03	0.53
10198.00	90.030	328.570	7438.70	2995.61	2349.85	-1887.54	1711518.80	392805.66	39°34'27.8932"N	80°31'24.9374"W	3014.07	321.227	2.10	1.33	1.63
10293.00	88.280	328.640	7440.10	3090.58	2430.93	-1937.02	1711469.32	392886.73	39°34'28.5286"W	80°31'25.5286"W	3108.29	321.451	1.84	-1.84	0.07
10387.00	91.020	333.630	7440.67	3184.36	2513.22	-1982.38	1711423.96	392969.02	39°34'29.2827"W	80°31'26.2827"W	3200.95	321.734	6.06	2.91	5.31





# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot#07		

## WELLPATH DATA (261 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]
10482.00	89.020	327.740	7440.64	3279.17	2596.01	-2028.87	1711377.47	393051.80	39°34'28.7061"N	80°31'26.1343"W	3294.78	321.991	6.55	-2.11	-6.20
10578.00	90.090	331.450	7441.39	3375.09	2678.79	-2077.44	1711328.90	393134.58	39°34'29.5187"N	80°31'26.7666"W	3389.94	322.206	4.02	1.11	3.86
10673.00	92.710	329.690	7439.06	3469.92	2761.50	-2124.10	1711282.25	393217.28	39°34'30.3308"N	80°31'27.3745"W	3483.92	322.433	3.32	2.76	-1.85
10763.00	87.850	326.200	7438.60	3564.88	2841.98	-2174.50	1711231.85	393297.75	39°34'31.1205"N	80°31'28.0298"W	3578.45	322.579	6.30	-5.12	-3.67
10863.00	89.480	334.290	7440.82	3659.67	2924.36	-2221.59	1711184.76	393380.13	39°34'31.9293"N	80°31'28.6431"W	3672.51	322.777	8.68	1.72	8.52
10959.00	89.260	329.800	7441.87	3755.34	3009.13	-2266.58	1711139.78	393464.90	39°34'32.7620"N	80°31'29.2300"W	3767.26	323.012	4.68	-0.23	-4.68
11053.00	86.640	327.930	7445.24	3849.25	3089.53	-2315.15	1711091.22	393545.29	39°34'33.5511"N	80°31'29.8618"W	3860.71	323.154	3.42	-2.79	-1.99
11149.00	86.860	327.420	7450.68	3945.09	3170.52	-2366.40	1711039.97	393626.28	39°34'34.3457"N	80°31'30.5281"W	3956.26	323.263	0.58	0.23	-0.53
11244.00	89.020	329.280	7454.09	4040.01	3251.33	-2416.21	1710990.16	393707.08	39°34'35.1387"N	80°31'31.1760"W	4050.83	323.382	3.00	2.27	1.96
11339.00	88.250	328.790	7456.36	4134.95	3332.77	-2465.07	1710941.30	393788.51	39°34'35.9380"N	80°31'31.8118"W	4145.35	323.512	0.96	-0.81	-0.52
11434.00	88.310	327.500	7459.21	4229.90	3413.42	-2515.19	1710891.19	393869.16	39°34'36.7294"N	80°31'32.4635"W	4240.00	323.615	1.36	0.06	-1.36
11529.00	89.690	327.970	7460.87	4324.88	3493.74	-2565.89	1710840.48	393949.47	39°34'37.5174"N	80°31'33.1228"W	4334.74	323.705	1.53	1.45	0.49
11624.00	89.380	329.400	7461.64	4419.86	3574.89	-2615.26	1710791.12	394030.63	39°34'38.3139"N	80°31'33.7651"W	4429.39	323.812	1.54	-0.33	1.51
11719.00	88.920	328.520	7463.05	4514.82	3656.28	-2664.24	1710742.14	394112.01	39°34'39.1127"N	80°31'34.4024"W	4524.00	323.920	1.05	-0.48	-0.93
11814.00	89.540	329.030	7464.32	4609.79	3737.51	-2713.49	1710692.90	394193.23	39°34'39.9099"N	80°31'35.0431"W	4618.66	324.020	0.85	0.65	0.54
11909.00	89.750	328.900	7464.91	4704.76	3818.91	-2762.46	1710643.92	394274.63	39°34'40.7088"N	80°31'35.6805"W	4713.31	324.119	0.26	0.22	-0.14
12003.00	88.800	327.090	7466.10	4798.75	3898.61	-2812.28	1710594.11	394354.32	39°34'41.4908"N	80°31'36.3282"W	4807.08	324.195	2.17	-1.01	-1.93
12098.00	90.310	328.050	7466.84	4893.74	3978.79	-2863.22	1710543.18	394434.50	39°34'42.2774"N	80°31'36.9904"W	4901.92	324.260	1.88	1.59	1.01
12193.00	89.690	328.780	7466.84	4988.73	4059.72	-2912.97	1710493.42	394515.42	39°34'43.0716"N	80°31'37.6377"W	4996.67	324.339	1.01	-0.65	0.77
12288.00	90.150	326.520	7466.97	5083.72	4139.97	-2963.80	1710442.60	394595.66	39°34'43.8589"N	80°31'38.2985"W	5091.51	324.401	2.43	0.48	-2.38
12383.00	89.420	328.360	7467.33	5178.72	4220.03	-3014.93	1710391.47	394675.72	39°34'44.6444"N	80°31'38.9631"W	5186.37	324.457	2.08	-0.77	1.94
12478.00	89.290	327.450	7468.40	5273.71	4300.50	-3065.40	1710341.00	394756.19	39°34'45.4340"N	80°31'39.6194"W	5281.20	324.519	0.97	-0.14	-0.96
12573.00	89.290	329.050	7469.58	5368.69	4381.28	-3115.39	1710291.02	394836.96	39°34'46.2266"N	80°31'40.2695"W	5375.99	324.585	1.68	0.00	1.68
12668.00	90.250	330.050	7469.96	5463.63	4463.17	-3163.53	1710242.88	394918.85	39°34'47.0304"N	80°31'40.8963"W	5470.63	324.671	1.46	1.01	1.05
12763.00	89.820	332.280	7469.90	5558.40	4546.39	-3209.34	1710192.07	395002.06	39°34'47.8476"N	80°31'41.4935"W	5565.03	324.781	2.39	-0.45	2.35
12858.00	89.780	330.960	7470.23	5653.20	4629.97	-3254.50	1710151.92	395085.64	39°34'48.6685"N	80°31'42.0824"W	5659.36	324.896	1.39	-0.04	-1.39
12954.00	89.170	328.780	7471.11	5749.11	4712.99	-3302.68	1710103.74	395168.65	39°34'49.4835"N	80°31'42.7099"W	5755.00	324.979	2.36	-0.64	-2.27
13048.00	89.940	331.240	7471.84	5843.01	4794.39	-3349.66	1710056.76	395250.05	39°34'50.2827"N	80°31'43.3217"W	5848.63	325.059	2.74	0.82	2.62
13143.00	88.740	330.360	7472.93	5937.85	4877.31	-3396.00	1710010.42	395332.97	39°34'51.0969"N	80°31'43.9257"W	5943.15	325.151	1.57	-1.26	-0.93
13238.00	90.770	329.330	7473.34	6032.77	4959.45	-3443.72	1709962.71	395415.10	39°34'51.9033"N	80°31'44.5471"W	6037.83	325.225	2.40	2.14	-1.08

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# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 stations)

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]
13334.00	88.250	329.960	7474.16	6128.70	5042.28	-3492.23	1709914.20	395497.93	39°34'52.7163"N	80°31'45.1787"W	6133.54	325.294	2.71	-2.63	0.66
13428.00	91.630	330.320	7474.26	6222.59	5123.79	-3539.02	1709867.41	395579.43	39°34'53.5165"N	80°31'45.7882"W	6227.19	325.367	3.62	3.60	0.38
13524.00	88.920	327.870	7473.80	6318.54	5206.15	-3588.32	1709818.11	395661.78	39°34'54.3248"N	80°31'46.4299"W	6322.97	325.424	3.81	-2.82	-2.55
13619.00	90.220	327.330	7474.51	6413.53	5286.35	-3639.22	1709767.22	395741.98	39°34'55.1177"N	80°31'47.0917"W	6417.90	325.456	1.48	1.37	-0.57
13714.00	89.940	330.250	7474.38	6508.50	5367.59	-3688.45	1709718.00	395823.22	39°34'55.9090"N	80°31'47.7322"W	6512.73	325.504	3.09	-0.29	3.07
13809.00	89.230	329.650	7475.07	6603.41	5449.82	-3736.02	1709670.43	395905.44	39°34'56.7163"N	80°31'48.3517"W	6607.45	325.568	0.98	-0.75	-0.63
13904.00	88.740	326.420	7476.75	6698.38	5530.39	-3786.29	1709620.16	395986.01	39°34'57.5068"N	80°31'49.0056"W	6702.33	325.603	3.44	-0.52	-3.40
13999.00	89.050	327.750	7476.44	6888.36	5691.36	-3887.20	1709569.24	396066.19	39°34'58.2935"N	80°31'49.6676"W	6797.26	325.631	3.64	2.68	2.45
14094.00	89.480	328.020	7477.85	7077.35	5851.22	-3988.00	1709469.04	396226.41	39°34'59.0861"N	80°31'50.3178"W	6892.16	325.667	2.58	-2.36	-1.05
14188.00	88.770	325.030	7478.64	7267.27	6012.98	-4036.73	1709369.74	396388.35	39°35'0.6546"N	80°31'50.9709"W	6986.09	325.694	0.89	0.88	-0.11
14283.00	90.280	327.740	7479.43	7362.23	6092.08	-4140.14	1709266.33	396547.66	39°35'1.4549"N	80°31'51.6286"W	7081.03	325.723	0.57	-0.42	0.39
14378.00	90.120	329.970	7479.10	7456.20	6172.53	-4188.75	1709217.72	396628.10	39°35'2.2418"N	80°31'52.2629"W	7175.85	325.768	2.54	0.97	2.35
14473.00	90.680	326.960	7478.43	7552.18	6254.34	-4238.96	1709167.52	396709.91	39°35'3.0176"N	80°31'53.6070"W	7270.77	325.793	5.76	-1.72	-5.49
14568.00	89.320	329.760	7478.43	7647.15	6335.21	-4288.79	1709117.69	396790.77	39°35'4.6099"N	80°31'54.2397"W	7365.75	325.800	3.27	1.59	2.85
14662.00	92.460	328.890	7476.97	7741.09	6416.03	-4336.73	1709069.75	396871.59	39°35'5.4034"N	80°31'54.8928"W	7459.61	325.839	2.38	-0.17	2.37
15042.00	89.630	327.120	7475.24	7836.05	6496.58	-4387.05	1709019.44	396952.13	39°35'6.1968"N	80°31'55.5411"W	7555.49	325.872	3.19	0.58	-3.14
15137.00	90.920	327.550	7474.78	7931.05	6576.55	-4438.32	1708968.17	397032.10	39°35'6.9870"N	80°31'56.1652"W	7650.39	325.903	3.28	-1.43	2.95
15232.00	90.280	329.780	7473.79	8026.02	6657.68	-4487.72	1708918.77	397113.23	39°35'7.7715"N	80°31'56.8197"W	7744.20	325.944	3.47	3.34	-0.93
15327.00	88.980	327.940	7474.40	8120.99	6738.99	-4536.84	1708869.65	397194.53	39°35'8.5677"N	80°31'57.4863"W	7839.11	325.969	3.51	-2.98	-1.86
15422.00	90.890	330.020	7474.51	8215.95	6820.39	-4585.79	1708820.70	397275.93	39°35'9.3656"N	80°31'58.1291"W	7934.08	325.986	1.43	1.36	0.45
15517.00	88.980	326.920	7474.62	8310.92	6901.35	-4635.47	1708771.04	397356.88	39°35'10.1646"N	80°31'59.4056"W	8028.97	326.017	2.44	-0.67	2.35
15612.00	89.750	329.080	7475.67	8405.91	6981.91	-4685.80	1708720.70	397437.43	39°35'11.7494"N	80°32'0.0518"W	8123.85	326.051	2.37	-1.37	-1.94
15707.00	90.000	328.080	7475.88	8500.89	7062.98	-4735.33	1708671.18	397518.50	39°35'12.5449"N	80°32'0.7066"W	8218.71	326.112	3.83	-2.01	-3.26
15801.00	89.420	328.020	7476.35	8594.89	7142.73	-4785.07	1708621.44	397598.25	39°35'13.3275"N	80°32'0.7066"W	8313.62	326.133	2.41	0.81	2.27
15896.00	89.600	328.060	7477.16	8689.88	7223.33	-4835.35	1708571.16	397678.84	39°35'14.1183"N	80°32'1.9980"W	8408.55	326.160	1.09	0.26	-1.05
15991.00	90.120	327.720	7477.40	8784.88	7303.80	-4885.85	1708520.67	397759.30	39°35'14.9077"N	80°32'2.6521"W	8503.47	326.181	0.62	-0.62	-0.06
16086.00	90.520	329.030	7476.87	8879.86	7384.69	-4935.66	1708470.86	397840.19	39°35'15.7015"N	80°32'3.3088"W	8692.36	326.200	0.19	0.19	0.04
											8787.32	326.220	0.65	0.55	-0.36
											8882.25	326.243	1.44	0.42	1.38





# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 stations)

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]
16180.00	89.780	329.470	7476.62	8973.82	7465.47	-4983.72	1708422.80	397920.97	39°35'16.4943"N	80°32'4.5826"W	8976.12	326.274	0.92	-0.79	0.47
16275.00	89.600	328.830	7477.13	9068.79	7547.03	-5032.44	1708374.09	398002.52	39°35'17.2948"N	80°32'5.2168"W	9071.00	326.304	0.70	-0.19	-0.67
16370.00	89.630	328.240	7477.77	9163.77	7628.06	-5082.02	1708324.51	398083.54	39°35'18.0899"N	80°32'5.8621"W	9165.93	326.327	0.62	0.03	-0.62
16560.00	91.080	328.120	7476.59	9353.75	7789.49	-5182.19	1708224.34	398244.97	39°35'19.6739"N	80°32'7.1652"W	9355.82	326.365	0.77	0.76	-0.06
16655.00	89.140	327.170	7476.41	9448.74	7869.74	-5233.03	1708173.51	398325.21	39°35'20.4612"N	80°32'7.8264"W	9450.79	326.378	2.27	-2.04	-1.00
16750.00	89.630	328.600	7477.43	9543.73	7950.20	-5283.53	1708123.01	398405.66	39°35'21.2505"N	80°32'8.4832"W	9545.75	326.393	1.59	0.52	1.51
16845.00	90.350	330.300	7477.28	9638.68	8032.01	-5331.82	1708074.73	398487.47	39°35'22.0535"N	80°32'9.1120"W	9640.61	326.423	2.03	0.97	1.79
16940.00	89.820	330.330	7477.18	9733.57	8114.54	-5378.86	1708027.68	398569.99	39°35'22.8638"N	80°32'9.7250"W	9735.39	326.461	1.03	-1.03	0.03
17035.00	89.820	328.810	7477.69	9828.51	8196.45	-5426.98	1707979.57	398651.90	39°35'23.6678"N	80°32'10.3516"W	9830.25	326.491	1.62	0.26	-1.60
17130.00	91.690	333.130	7476.44	9923.30	8279.48	-5473.06	1707933.49	398734.93	39°35'24.4831"N	80°32'10.9524"W	9924.93	326.534	4.95	1.97	4.55
17225.00	90.370	326.740	7474.73	10018.16	8361.64	-5520.62	1707885.93	398817.08	39°35'25.2896"N	80°32'11.5720"W	10019.70	326.566	6.87	-1.39	-6.73
17320.00	89.850	329.030	7474.54	10113.15	8442.10	-5571.12	1707835.44	398897.54	39°35'26.8730"N	80°32'12.2289"W	10114.66	326.578	2.47	-0.55	2.41
17414.00	91.480	329.750	7473.45	10207.09	8522.99	-5618.98	1707787.58	398978.42	39°35'27.6905"N	80°32'13.4741"W	10208.54	326.604	1.90	1.73	0.77
17510.00	89.880	330.600	7472.31	10302.98	8606.27	-5666.72	1707739.84	399061.69	39°35'28.4953"N	80°32'14.0989"W	10304.35	326.637	1.89	-1.67	0.89
17605.00	90.430	328.740	7472.06	10397.91	8688.26	-5714.69	1707691.87	399143.68	39°35'29.3023"N	80°32'14.7188"W	10399.21	326.665	2.04	0.58	-1.96
17700.00	91.230	331.130	7470.68	10492.81	8770.46	-5762.28	1707644.29	399225.88	39°35'30.1166"N	80°32'15.3224"W	10494.04	326.695	2.65	0.84	2.52
17795.00	91.020	330.530	7468.82	10587.64	8853.40	-5808.57	1707598.00	399308.81	39°35'30.9218"N	80°32'15.9461"W	10588.78	326.732	0.67	-0.22	-0.63
17890.00	90.490	328.920	7467.56	10682.56	8935.43	-5856.46	1707550.12	399390.84	39°35'31.7147"N	80°32'16.5717"W	10683.63	326.758	1.78	-0.56	-1.69
17984.00	88.800	329.600	7468.15	10776.52	9016.22	-5904.50	1707502.07	399471.62	39°35'32.5295"N	80°32'17.1997"W	10777.54	326.780	1.94	-1.80	0.72
18080.00	91.720	330.110	7467.71	10872.43	9099.23	-5952.71	1707453.87	399554.62	39°35'33.3405"N	80°32'17.8109"W	10873.39	326.807	3.09	3.04	0.53
18175.00	89.720	330.720	7466.52	10967.30	9181.83	-5999.61	1707406.98	399637.22	39°35'34.1565"N	80°32'18.4109"W	10968.19	326.839	2.20	-2.11	0.64
18270.00	90.860	331.330	7466.04	11062.12	9264.93	-6045.62	1707360.96	399720.32	39°35'34.9710"N	80°32'19.0145"W	11062.94	326.874	1.36	1.20	0.64
18365.00	89.540	330.340	7465.70	11156.96	9347.89	-6091.92	1707314.67	399803.27	39°35'35.7783"N	80°32'19.6341"W	11157.71	326.908	1.74	-1.39	-1.04
18460.00	91.110	329.580	7465.17	11251.88	9430.12	-6139.47	1707267.12	399885.50	39°35'36.5893"N	80°32'20.2453"W	11252.57	326.934	1.84	1.65	-0.80
18555.00	90.150	331.250	7464.82	11346.75	9512.73	-6186.37	1707220.22	399968.10	39°35'37.4044"N	80°32'20.8476"W	11347.39	326.963	2.03	-1.01	1.76
18650.00	90.150	330.560	7463.17	11441.59	9595.74	-6232.57	1707174.03	400051.11	39°35'38.2142"N	80°32'21.4615"W	11442.16	326.996	0.73	0.00	-0.73
18745.00	90.090	329.980	7463.67	11536.48	9678.23	-6279.68	1707126.92	400133.60	39°35'39.0294"N	80°32'22.0890"W	11537.01	327.023	0.61	-0.06	-0.61
18841.00	90.090	329.800	7463.52	11632.40	9761.28	-6327.84	1707078.77	400216.64	39°35'39.8290"N	80°32'22.7251"W	11632.89	327.046	0.19	0.00	-0.19
18936.00	90.060	328.290	7463.40	11727.37	9842.75	-6376.70	1707029.91	400298.10	39°35'40.6260"N	80°32'23.3665"W	11727.83	327.063	1.59	-0.03	-1.59
19031.00	90.710	329.230	7462.76	11822.34	9923.97	-6425.97	1706980.64	400379.32			11822.78	327.076	1.20	0.68	0.99

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# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 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]
19126.00	90.680	330.080	7461.61	11917.27	10005.95	-6473.96	1706932.66	400461.29	39°35'41.4307"N	80°32'23.9916"W	11917.68	327.097	0.90	-0.03	0.89
19222.00	89.690	329.110	7461.30	12013.21	10088.74	-6522.54	1706884.07	400544.08	39°35'42.2433"N	80°32'24.6244"W	12013.59	327.117	1.44	-1.03	-1.01
19317.00	90.120	328.950	7461.45	12108.18	10170.20	-6571.43	1706835.19	400625.53	39°35'43.0427"N	80°32'25.2609"W	12108.53	327.132	0.48	0.45	-0.17
19412.00	90.220	329.250	7461.17	12203.14	10251.71	-6620.21	1706786.41	400707.04	39°35'43.8427"N	80°32'25.8961"W	12203.48	327.147	0.33	0.11	0.32
19507.00	90.340	329.780	7460.71	12298.09	10333.58	-6668.41	1706738.22	400788.90	39°35'44.4622"N	80°32'26.5238"W	12298.40	327.165	0.57	0.13	0.56
19602.00	90.860	330.360	7459.71	12392.99	10415.90	-6715.80	1706690.82	400871.22	39°35'45.4544"N	80°32'27.1414"W	12393.27	327.188	0.82	0.55	0.61
19697.00	89.970	327.880	7459.03	12487.95	10497.43	-6764.56	1706642.07	400952.74	39°35'46.2545"N	80°32'27.7762"W	12488.20	327.202	2.77	-0.94	-2.61
19792.00	90.740	328.630	7458.44	12582.94	10578.21	-6814.54	1706592.10	401033.52	39°35'47.0471"N	80°32'28.4266"W	12583.18	327.210	1.13	0.81	0.79
19886.00	90.800	329.910	7457.17	12676.88	10659.01	-6862.57	1706544.07	401114.31	39°35'47.8400"N	80°32'29.0521"W	12677.11	327.225	1.36	0.06	1.36
19981.00	90.890	329.640	7455.77	12771.80	10741.08	-6910.38	1706496.26	401196.38	39°35'48.6457"N	80°32'29.6750"W	12772.01	327.244	0.30	0.09	-0.28
20076.00	91.080	328.800	7454.14	12866.75	10822.69	-6958.99	1706447.65	401277.98	39°35'49.4466"N	80°32'30.3080"W	12866.94	327.259	0.91	0.20	-0.88
20171.00	91.020	329.230	7452.40	12961.70	10904.12	-7007.89	1706398.75	401359.40	39°35'50.2457"N	80°32'30.9447"W	12961.88	327.272	0.46	-0.06	0.45
20266.00	90.400	329.940	7451.22	13056.64	10986.04	-7055.98	1706350.67	401441.32	39°35'51.0498"N	80°32'31.5712"W	13056.79	327.289	0.99	-0.65	0.75
20361.00	90.950	327.520	7450.10	13151.60	11067.22	-7105.29	1706301.37	401522.50	39°35'51.8465"N	80°32'32.1300"W	13151.75	327.299	2.61	0.58	-2.55
20455.00	91.020	329.610	7448.49	13245.57	11147.41	-7154.30	1706252.35	401602.68	39°35'52.6333"N	80°32'32.8510"W	13245.71	327.308	2.22	0.07	2.22
20550.00	89.850	329.000	7447.76	13340.52	11229.10	-7202.79	1706203.87	401684.37	39°35'53.4350"N	80°32'33.4825"W	13340.65	327.322	1.39	-1.23	-0.64
20645.00	90.370	327.460	7447.58	13435.51	11309.86	-7252.81	1706153.85	401765.12	39°35'54.2274"N	80°32'34.1334"W	13435.63	327.329	1.71	0.55	-1.62
20740.00	90.680	328.580	7446.71	13530.50	11390.44	-7303.12	1706103.54	401845.70	39°35'55.0179"N	80°32'34.7880"W	13530.62	327.334	1.22	0.33	1.18
20835.00	90.310	328.480	7445.89	13625.49	11471.46	-7352.71	1706053.95	401926.71	39°35'55.8130"N	80°32'35.4335"W	13625.59	327.342	0.40	-0.39	-0.11
20930.00	90.620	327.960	7445.12	13720.48	11552.22	-7402.74	1706003.93	402007.46	39°35'56.6053"N	80°32'36.0846"W	13720.58	327.348	0.64	0.33	-0.55
21025.00	91.420	329.060	7443.43	13815.45	11633.21	-7452.36	1705954.31	402088.45	39°35'57.4000"N	80°32'36.7304"W	13815.54	327.356	1.43	0.84	1.16
21120.00	90.680	328.710	7441.69	13910.40	11714.53	-7501.44	1705905.23	402169.77	39°35'58.1980"N	80°32'37.3695"W	13910.49	327.366	0.86	-0.78	-0.37
21215.00	90.030	329.170	7441.10	14005.37	11795.91	-7550.45	1705856.22	402251.14	39°35'58.9966"N	80°32'38.0076"W	14005.45	327.377	0.84	-0.68	0.48
21310.00	90.370	326.490	7440.77	14100.36	11876.31	-7601.03	1705805.65	402331.54	39°35'59.7854"N	80°32'38.6556"W	14100.44	327.380	2.84	0.36	-2.82
21405.00	90.980	329.320	7439.65	14195.35	11956.78	-7651.50	1705755.19	402412.00	39°36'0.5748"N	80°32'39.3223"W	14195.42	327.384	3.05	0.64	2.98
21500.00	90.250	329.390	7438.63	14290.29	12038.51	-7699.92	1705706.77	402493.73	39°36'1.3769"N	80°32'39.9529"W	14290.36	327.397	0.77	-0.77	0.07
21595.00	90.180	329.050	7438.27	14385.25	12120.12	-7748.53	1705658.16	402575.34	39°36'2.1779"N	80°32'40.5861"W	14385.31	327.409	0.37	-0.07	-0.36
21690.00	89.750	327.590	7438.33	14480.24	12200.97	-7798.42	1705608.27	402656.18	39°36'2.9711"N	80°32'41.2354"W	14480.30	327.415	1.60	-0.45	-1.54
221785.00	90.060	327.650	7438.49	14575.24	12281.19	-7849.30	1705557.40	402736.40	39°36'3.7581"N	80°32'41.8972"W	14575.29	327.416	0.33	0.33	0.06
221879.00	90.340	328.510	7438.16	14669.24	12360.98	-7899.00	1705507.70	402816.18	39°36'4.5409"N	80°32'42.5440"W	14669.29	327.420	0.96	0.30	0.91



# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## WELLPATH DATA (261 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]
21974.00	90.680	329.440	7437.31	14764.20	12442.38	-7947.96	1705458.74	402897.58	39°36'5.3398"N	80°32'43.1815"W	14764.25	327.430	1.04	0.36	0.98
22069.00	91.050	330.020	7435.88	14859.12	12524.42	-7995.84	1705410.86	402979.61	39°36'6.1450"N	80°32'43.8054"W	14859.16	327.445	0.72	0.39	0.61
22164.00	90.680	330.040	7434.45	14954.03	12606.71	-8043.29	1705363.42	403061.89	39°36'6.9527"N	80°32'44.4238"W	14954.05	327.461	0.39	-0.39	0.02
22259.00	89.630	329.850	7434.19	15048.94	12688.94	-8090.87	1705315.84	403144.12	39°36'7.7599"N	80°32'45.0438"W	15048.96	327.477	1.12	-1.11	-0.20
22354.00	89.690	329.100	7434.75	15143.89	12770.77	-8139.12	1705267.59	403225.94	39°36'8.5630"N	80°32'45.6724"W	15143.90	327.490	0.79	0.06	-0.79
22449.00	89.910	329.310	7435.08	15238.85	12852.37	-8187.76	1705218.96	403307.54	39°36'9.3639"N	80°32'46.3058"W	15238.86	327.500	0.32	0.23	0.22
22543.00	90.460	328.770	7434.78	15332.82	12932.98	-8236.11	1705170.61	403388.14	39°36'10.1549"N	80°32'46.9356"W	15332.82	327.510	0.82	0.59	-0.57
22638.00	90.310	328.410	7434.14	15427.80	13014.06	-8285.62	1705121.10	403469.22	39°36'11.7436"N	80°32'47.5801"W	15427.81	327.516	0.41	-0.16	-0.38
22733.00	90.090	328.230	7433.81	15522.79	13094.90	-8335.51	1705071.21	403550.05	39°36'12.5364"N	80°32'48.2295"W	15522.80	327.521	0.30	-0.23	-0.19
22828.00	90.490	328.320	7433.33	15617.78	13175.70	-8385.47	1705021.26	403630.85	39°36'13.3330"N	80°32'48.8797"W	15617.79	327.526	0.43	0.42	0.09
22923.00	89.780	329.090	7433.11	15712.76	13256.88	-8434.82	1704971.92	403712.02	39°36'14.1283"N	80°32'49.5221"W	15712.76	327.533	1.10	-0.75	0.81
23018.00	89.380	328.030	7433.80	15807.74	13337.93	-8484.37	1704922.37	403793.07	39°36'14.9084"N	80°32'50.8192"W	15807.75	327.539	1.19	-0.42	-1.12
23112.00	89.880	327.540	7434.41	15901.74	13417.46	-8534.48	1704872.26	403872.59	39°36'15.6993"N	80°32'51.4732"W	15901.74	327.541	0.74	0.53	-0.52
23207.00	90.520	328.590	7434.08	15996.73	13498.08	-8584.73	1704822.02	403953.21	39°36'16.4972"N	80°32'52.1128"W	15996.74	327.544	1.29	0.67	1.11
23302.00	90.860	329.130	7432.93	16091.70	13579.38	-8633.85	1704772.90	404034.51	39°36'17.3010"N	80°32'52.7400"W	16091.70	327.552	0.67	0.36	0.57
23397.00	90.220	329.980	7432.04	16186.64	13661.28	-8681.98	1704724.76	404116.40	39°36'18.0907"N	80°32'53.3959"W	16186.64	327.563	1.12	-0.67	0.89
23492.00	89.570	325.910	7432.21	16281.62	13741.78	-8732.39	1704674.36	404196.89	39°36'18.8726"N	80°32'53.9676"W	16281.62	327.566	4.34	-0.68	-4.28
23587.00	90.740	328.220	7431.96	16376.61	13821.50	-8784.04	1704622.72	404276.61	39°36'19.6635"N	80°32'54.6976"W	16376.61	327.563	2.73	1.23	2.43
23681.00	89.750	329.830	7431.55	16470.57	13902.09	-8832.41	1704574.34	404357.20	39°36'20.4716"N	80°32'55.3154"W	16470.57	327.571	2.01	-1.05	1.71
23776.00	89.450	330.310	7432.22	16565.48	13984.42	-8879.81	1704526.95	404439.52	39°36'20.8980"N	80°32'55.6383"W	16565.48	327.585	0.60	-0.32	0.51
23826.00†	89.450	330.310	7432.70	16615.42	14027.85	-8904.58	1704502.18	404482.95	39°36'20.8980"N	80°32'55.6383"W	16615.42	327.594	0.00	0.00	0.00

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# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## HOLE & CASING SECTIONS - Ref Wellbore: BIG 464 7H AWB Ref Wellpath: BIG 464 7H AWP Proj: 23826'

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]
26in Conductor	28.00	68.00	40.00	28.00	68.00	0.00	0.00	0.00	0.02
17.5in Open Hole	68.00	1073.00	1005.00	68.00	1073.00	0.00	0.02	0.02	1.54
13.375in Casing Surface	28.00	1053.00	1025.00	28.00	1053.00	0.00	0.00	0.05	1.50
12.25in Open Hole	1073.00	2498.00	1425.00	1073.00	2497.98	0.02	1.54	-3.25	7.05
9.625in Casing Intermediate	28.00	2478.00	2450.00	28.00	2477.98	0.00	0.00	-3.16	6.91
8.75in Open Hole	2498.00	6784.00	4286.00	2497.98	6766.91	-3.25	7.05	-218.68	-284.20
8.5in Open Hole	6784.00	23826.00	17042.00	6766.91	7432.70	-218.68	-284.20	14027.85	-8904.58
5.5in Casing Production	28.00	23796.00	23768.00	28.00	7432.41	0.00	0.00	14001.79	-8889.72

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BIG 464 7H LP Rev-2	7422.00	296.48	-658.91	1712747.35	390752.41	39°34'6.1347"N	80°31'8.3075"W	point
BIG 464 7H BHL Rev-2	7631.70	14024.98	-8910.75	1704496.01	404480.08	39°36'20.8689"N	80°32'55.7167"W	point

## WELLPATH COMPOSITION - Ref Wellbore: BIG 464 7H AWB Ref Wellpath: BIG 464 7H AWP Proj: 23826'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2423.00	Gyrodata 2015 - CT+WIR+ALC	01 Gyrodata Cont. Gyro <12-1/4"> (115'-2423')	BIG 464 7H AWB	3/22/2022
2423.00	6708.00	OWSG MWD rev2 - Standard	02 SDI MWD <8-3/4"> (2423')(2538'-6708')	BIG 464 7H AWB	3/22/2022
6708.00	23826.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03 BH AT Curve+H&P IFR1+MSA <8-1/2"> (6708')(6780'-23776')	BIG 464 7H AWB	4/20/2022

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# Actual Wellpath Report

BIG 464 7H AWP Proj: 23826'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 7H (L-002953)
Field	Wetzel	API	47-103-03434-0000
Facility	Big 464 Pad	Wellbore	BIG 464 7H AWB
Slot	Slot #07		

## COMMENTS

### Wellpath general comments

API: 47103034340000  
 BH Job #: 111294588  
 Rig: Patterson 294  
 Duration: 04/24/2022 - 04/27/2022

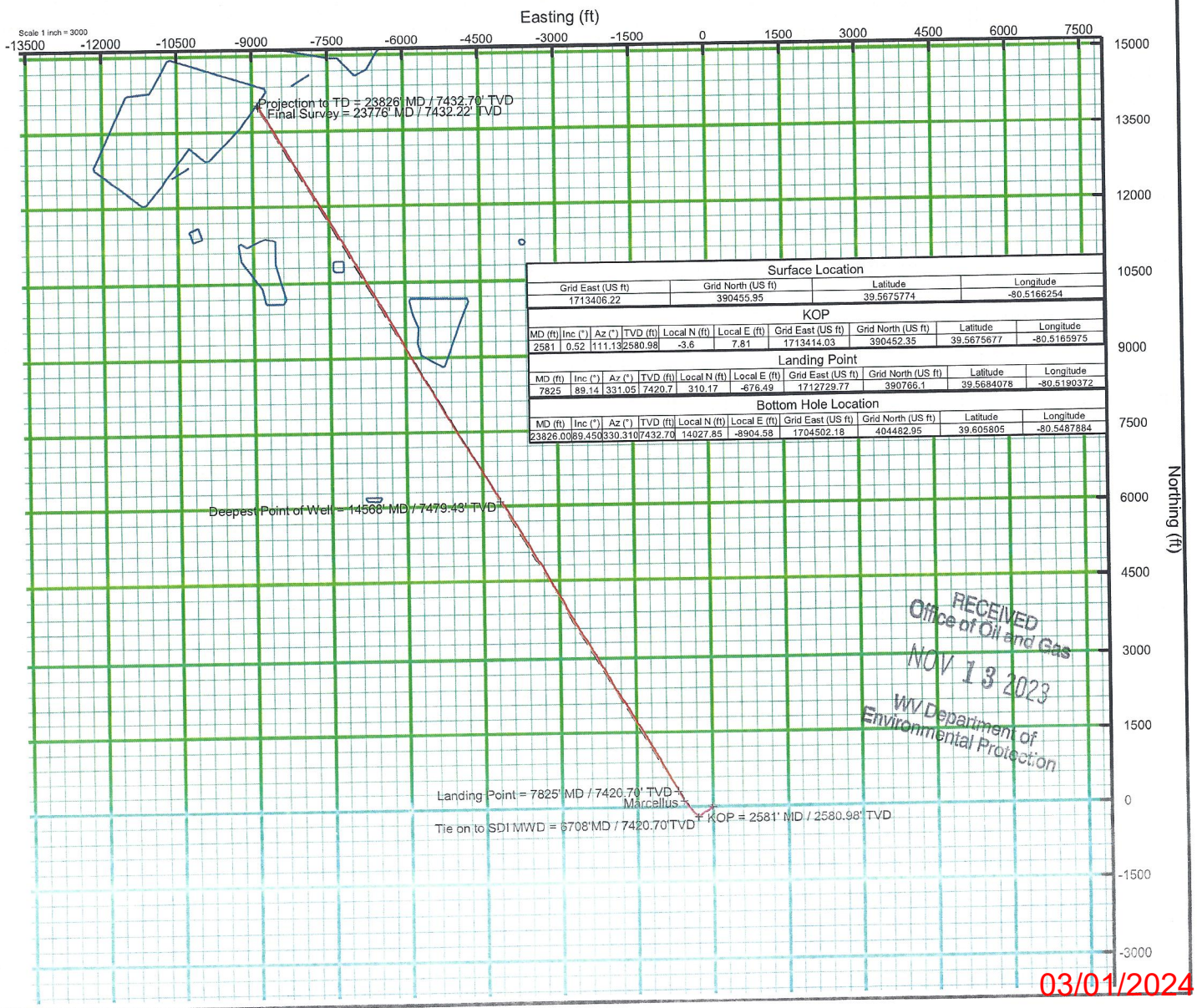
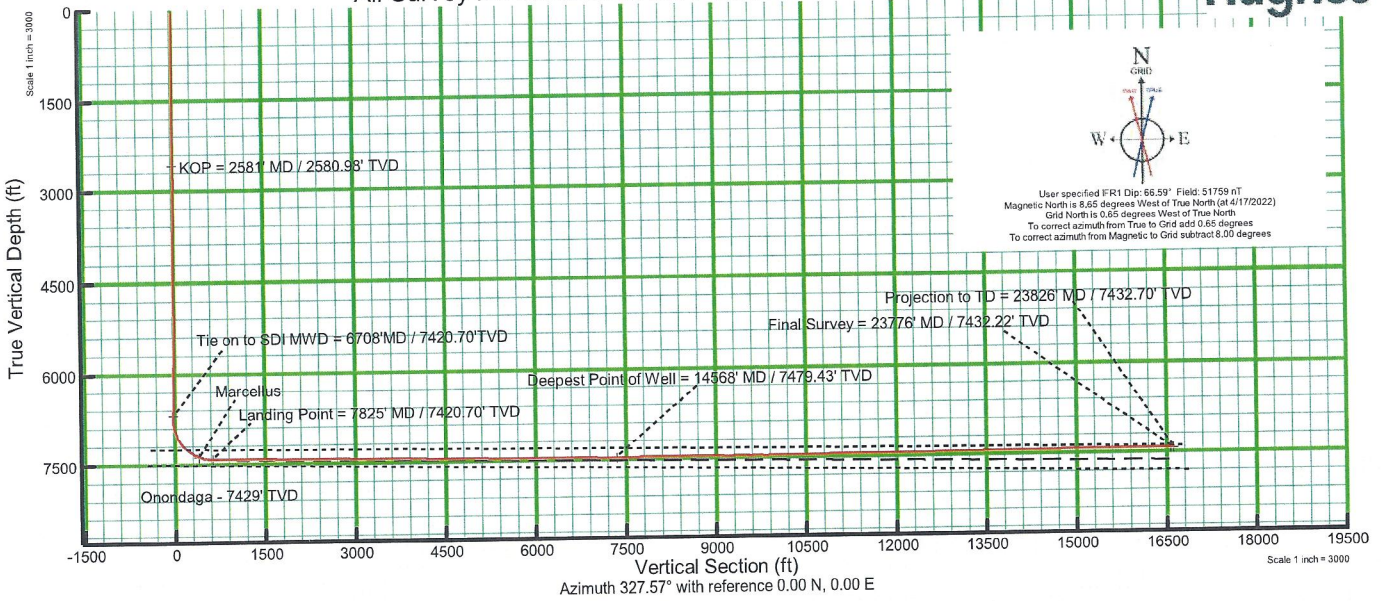
01\_Gyrodata Cont. Gyro <12-1/4"> (115'-2423')  
 02\_SDI MWD <8-3/4"> (2423')(2538'-6708')  
 03\_BH AT Curve+H&P IFR1+MSA <8-1/2"> (6708')(6780'-23776')

KOP = 2581' MD / 2580.98' TVD  
 Tie on to SDI MWD = 6708' MD / 7420.70' TVD  
 Marcellus  
 Landing Point = 7325' MD / 7420.70' TVD  
 Deepest Point of Well = 14568' MD / 7479.43' TVD  
 Final Survey = 23776' MD / 7432.22' TVD  
 Projection to TD = 23826' MD / 7432.70' TVD





KB Elevation=1274 FT  
 Ground Elevation=1246 FT  
 All Survey Measurements were taken from KB Elevation



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