



Actual Wellpath Report

BIG 464 5H AWP Proj: 23467

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Manajohj
Scale	0.999941	Report Generated	4/26/2022 at 2:37:01 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	46.32	-0.56	1713397.98	390468.48	39°34'3.4014"N	80°30'59.9583"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 #05)	28.00ft
MD Reference Pt	Patterson 294 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	324.03°

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Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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	359.380	0.00	0.00	0.00	0.00	1713397.98	390468.48	39°34'3.4014"N	80°30'59.9583"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	359.380	28.00	0.00	0.00	0.00	1713397.98	390468.48	39°34'3.4014"N	80°30'59.9583"W	0.00	0.000	0.00	0.00	0.00
115.00	0.110	359.380	115.00	0.07	0.08	0.00	1713397.98	390468.56	39°34'3.4022"N	80°30'59.9584"W	0.08	359.380	0.13	0.13	0.00
165.00	0.150	348.160	165.00	0.17	0.20	-0.01	1713397.97	390468.68	39°34'3.4033"N	80°30'59.9586"W	0.20	355.657	0.09	0.08	-22.44
215.00	0.160	335.970	215.00	0.30	0.32	-0.06	1713397.92	390468.80	39°34'3.4046"N	80°30'59.9591"W	0.33	350.053	0.07	0.02	-24.38
265.00	0.160	351.740	265.00	0.43	0.46	-0.10	1713397.88	390468.94	39°34'3.4059"N	80°30'59.9596"W	0.47	348.217	0.09	0.00	31.54
315.00	0.140	350.560	315.00	0.54	0.59	-0.12	1713397.86	390469.07	39°34'3.4072"N	80°30'59.9599"W	0.60	348.869	0.04	-0.04	-2.36
365.00	0.190	12.460	365.00	0.65	0.73	-0.11	1713397.87	390469.21	39°34'3.4086"N	80°30'59.9598"W	0.73	351.598	0.16	0.10	43.80
415.00	0.190	30.420	415.00	0.74	0.88	-0.05	1713397.93	390469.36	39°34'3.4101"N	80°30'59.9591"W	0.88	356.909	0.12	0.00	35.92
465.00	0.230	60.200	465.00	0.76	1.00	0.08	1713398.06	390469.48	39°34'3.4113"N	80°30'59.9574"W	1.00	4.661	0.23	0.08	59.56
515.00	0.350	17.520	515.00	0.61	0.98	0.30	1713398.28	390469.46	39°34'3.4111"N	80°30'59.9546"W	1.03	17.241	0.59	0.24	114.64
565.00	0.430	123.290	565.00	0.30	0.81	0.60	1713398.58	390469.29	39°34'3.4095"N	80°30'59.9508"W	1.00	36.486	0.18	0.16	11.54
615.00	0.270	137.890	615.00	0.01	0.62	0.83	1713398.81	390469.10	39°34'3.4076"N	80°30'59.9478"W	1.04	53.492	0.36	-0.32	29.20
665.00	0.250	170.430	665.00	-0.21	0.42	0.93	1713398.91	390468.90	39°34'3.4057"N	80°30'59.9465"W	1.02	65.628	0.29	-0.04	65.08
715.00	0.240	206.770	714.99	-0.35	0.22	0.90	1713398.88	390468.70	39°34'3.4037"N	80°30'59.9469"W	0.93	76.271	0.31	-0.02	72.68
765.00	0.020	117.350	764.99	-0.41	0.12	0.86	1713398.84	390468.60	39°34'3.4027"N	80°30'59.9474"W	0.87	81.904	0.48	-0.44	-178.84
815.00	0.090	47.970	814.99	-0.41	0.14	0.90	1713398.88	390468.62	39°34'3.4029"N	80°30'59.9469"W	0.91	80.842	0.17	0.14	-138.75
865.00	0.070	55.600	864.99	-0.41	0.19	0.95	1713398.93	390468.67	39°34'3.4034"N	80°30'59.9462"W	0.97	78.815	0.05	-0.04	15.26
915.00	0.160	124.850	914.99	-0.47	0.17	1.03	1713399.01	390468.65	39°34'3.4032"N	80°30'59.9451"W	1.05	80.904	0.30	0.18	138.50
965.00	0.180	138.670	964.99	-0.62	0.07	1.14	1713399.12	390468.55	39°34'3.4022"N	80°30'59.9437"W	1.15	86.659	0.09	0.04	27.64
1015.00	0.190	116.540	1014.99	-0.77	-0.03	1.27	1713399.25	390468.45	39°34'3.4013"N	80°30'59.9421"W	1.27	91.319	0.14	0.02	-44.26
1065.00	0.220	74.210	1064.99	-0.88	-0.04	1.44	1713399.42	390468.44	39°34'3.4012"N	80°30'59.9400"W	1.44	91.602	0.30	0.06	-84.66
1115.00	0.220	83.050	1114.99	-0.96	0.00	1.62	1713399.60	390468.48	39°34'3.4016"N	80°30'59.9376"W	1.62	90.086	0.07	0.00	17.68
1165.00	0.220	92.510	1164.99	-1.06	0.00	1.82	1713399.80	390468.48	39°34'3.4017"N	80°30'59.9352"W	1.82	89.843	0.07	0.00	18.92
1215.00	0.320	119.400	1214.99	-1.25	-0.07	2.03	1713400.01	390468.41	39°34'3.4010"N	80°30'59.9324"W	2.03	91.909	0.32	0.20	53.78
1265.00	0.340	122.740	1264.99	-1.51	-0.22	2.28	1713400.26	390468.26	39°34'3.3995"N	80°30'59.9292"W	2.29	95.427	0.06	0.04	6.68
1315.00	0.320	113.260	1314.99	-1.77	-0.35	2.53	1713400.51	390468.13	39°34'3.3982"N	80°30'59.9259"W	2.56	97.912	0.12	-0.04	-18.96
1365.00	0.380	120.900	1364.99	-2.04	-0.49	2.80	1713400.78	390467.99	39°34'3.3969"N	80°30'59.9225"W	2.85	99.960	0.15	0.12	15.28
1415.00	0.420	107.590	1414.99	-2.34	-0.63	3.12	1713401.10	390467.85	39°34'3.3955"N	80°30'59.9184"W	3.18	101.465	0.20	0.08	-26.62
1465.00	0.450	102.910	1464.99	-2.64	-0.73	3.49	1713401.47	390467.75	39°34'3.3946"N	80°30'59.9137"W	3.56	101.859	0.09	0.06	-9.36

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Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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]
1515.00	0.540	123.540	1514.99	-3.01	-0.91	3.87	1713401.85	390467.57	39°34'3.3929"N	80°30'59.9087"W	3.98	103.165	0.40	0.18	41.26
1565.00	0.380	123.370	1564.98	-3.38	-1.13	4.21	1713402.19	390467.35	39°34'3.3907"N	80°30'59.9044"W	4.36	104.997	0.32	-0.32	-0.34
1615.00	0.440	127.260	1614.98	-3.72	-1.33	4.50	1713402.48	390467.15	39°34'3.3887"N	80°30'59.9007"W	4.69	106.523	0.13	0.12	7.78
1665.00	0.530	135.710	1664.98	-4.14	-1.62	4.81	1713402.79	390466.86	39°34'3.3860"N	80°30'59.8966"W	5.08	108.563	0.23	0.18	16.90
1715.00	0.450	127.470	1714.98	-4.55	-1.90	5.13	1713403.11	390466.58	39°34'3.3832"N	80°30'59.8925"W	5.47	110.334	0.21	-0.16	-16.48
1765.00	0.470	127.280	1764.98	-4.94	-2.15	5.45	1713403.43	390466.33	39°34'3.3808"N	80°30'59.8884"W	5.86	111.485	0.04	0.04	-0.38
1815.00	0.460	125.570	1814.98	-5.32	-2.39	5.78	1713403.76	390466.02	39°34'3.3785"N	80°30'59.8842"W	6.25	112.444	0.03	-0.02	-3.42
1865.00	0.490	136.750	1864.97	-5.73	-2.66	6.09	1713404.07	390465.82	39°34'3.3758"N	80°30'59.8802"W	6.64	113.596	0.19	0.06	22.36
1915.00	0.360	148.160	1914.97	-6.10	-2.95	6.32	1713404.30	390465.53	39°34'3.3730"N	80°30'59.8773"W	6.97	115.020	0.31	-0.26	22.82
1965.00	0.400	120.760	1964.97	-6.41	-3.17	6.55	1713404.53	390465.31	39°34'3.3708"N	80°30'59.8743"W	7.28	115.834	0.37	0.08	-54.80
2015.00	0.340	111.790	2014.97	-6.70	-3.31	6.84	1713404.82	390465.17	39°34'3.3694"N	80°30'59.8706"W	7.60	115.868	0.17	-0.12	-17.94
2065.00	0.220	106.780	2064.97	-6.90	-3.40	7.07	1713405.05	390465.08	39°34'3.3686"N	80°30'59.8676"W	7.84	115.680	0.24	-0.24	-10.02
2115.00	0.290	110.660	2114.97	-7.08	-3.47	7.28	1713405.26	390465.01	39°34'3.3679"N	80°30'59.8649"W	8.06	115.496	0.14	0.14	7.76
2165.00	0.130	118.750	2164.97	-7.24	-3.54	7.44	1713405.42	390464.94	39°34'3.3672"N	80°30'59.8628"W	8.24	115.444	0.32	-0.32	16.18
2215.00	0.260	154.620	2214.97	-7.40	-3.67	7.54	1713405.52	390464.81	39°34'3.3660"N	80°30'59.8615"W	8.39	115.956	0.34	0.26	71.74
2265.00	0.170	119.550	2264.97	-7.58	-3.81	7.66	1713405.64	390464.67	39°34'3.3646"N	80°30'59.8600"W	8.55	116.462	0.31	-0.18	-70.14
2315.00	0.140	139.980	2314.97	-7.71	-3.89	7.76	1713405.74	390464.59	39°34'3.3638"N	80°30'59.8587"W	8.68	116.649	0.12	-0.06	40.86
2365.00	0.100	110.940	2364.97	-7.81	-3.96	7.84	1713405.82	390464.52	39°34'3.3632"N	80°30'59.8577"W	8.78	116.779	0.14	-0.08	-58.08
2389.00	0.130	147.670	2388.97	-7.85	-3.99	7.87	1713405.85	390464.49	39°34'3.3629"N	80°30'59.8572"W	8.83	116.856	0.32	0.12	153.04
2507.00	0.180	182.300	2506.97	-8.13	-4.29	7.94	1713405.92	390464.19	39°34'3.3600"N	80°30'59.8564"W	9.02	118.362	0.09	0.04	29.35
2550.00	0.230	198.160	2549.97	-8.23	-4.43	7.91	1713405.89	390464.05	39°34'3.3585"N	80°30'59.8567"W	9.07	119.282	0.17	0.12	36.88
2593.00	0.490	252.850	2592.97	-8.23	-4.57	7.71	1713405.69	390463.91	39°34'3.3571"N	80°30'59.85593"W	8.96	120.676	0.94	0.60	127.19
2637.00	1.340	273.750	2636.96	-7.84	-4.59	7.01	1713404.99	390463.89	39°34'3.3568"N	80°30'59.8681"W	8.38	123.222	2.04	1.93	47.50
2680.00	2.300	274.900	2679.94	-6.93	-4.48	5.62	1713403.00	390464.00	39°34'3.3577"N	80°30'59.8859"W	7.19	128.576	2.42	2.42	2.67
2723.00	3.440	276.470	2722.88	-5.48	-4.26	3.45	1713401.43	390464.22	39°34'3.3597"N	80°30'59.9137"W	5.48	141.011	2.47	2.47	3.65
2766.00	4.460	280.540	2765.78	-3.39	-3.81	0.52	1713398.50	390464.67	39°34'3.3638"N	80°30'59.9511"W	3.85	172.165	2.46	2.37	9.47
2809.00	5.310	283.870	2808.62	-0.66	-3.03	-3.05	1713394.93	390465.45	39°34'3.3711"N	80°30'59.9969"W	4.30	225.216	2.08	1.98	7.74
2852.00	6.250	284.620	2851.40	2.67	-1.96	-7.25	1713390.73	390466.52	39°34'3.3812"N	80°31'0.0506"W	7.51	254.865	2.19	2.19	1.74
2896.00	7.130	281.430	2895.10	6.53	-0.81	-12.24	1713385.74	390467.67	39°34'3.3920"N	80°31'0.1145"W	12.27	266.193	2.17	2.00	-7.25
2939.00	8.080	279.870	2937.72	10.66	0.23	-17.83	1713380.15	390468.71	39°34'3.4017"N	80°31'0.1861"W	17.84	270.746	2.26	2.21	-3.63



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2982.00	8.830	274.560	2980.26	14.98	1.01	-24.10	1713373.88	390469.49	39°34'3.4087"N	80°31'0.2662"W	24.12	272.406	2.52	1.74	-12.35
3025.00	9.670	271.150	3022.70	19.30	1.35	-31.00	1713366.98	390469.83	39°34'3.4113"N	80°31'0.3544"W	31.03	272.489	2.33	1.95	-7.93
3068.00	10.460	265.530	3065.04	23.52	1.12	-38.51	1713359.48	390469.60	39°34'3.4081"N	80°31'0.4501"W	38.52	271.660	2.93	1.84	-13.07
3111.00	11.280	262.690	3107.27	27.58	0.28	-46.57	1713351.41	390468.76	39°34'3.3989"N	80°31'0.5530"W	46.57	270.340	2.28	1.91	-6.00
3154.00	11.920	257.720	3149.39	31.38	-1.20	-55.08	1713342.90	390467.28	39°34'3.3834"N	80°31'0.6614"W	55.09	268.749	2.76	1.49	-11.56
3197.00	12.230	253.610	3191.44	34.69	-3.43	-63.79	1713334.20	390465.05	39°34'3.3604"N	80°31'0.7723"W	63.88	266.919	2.12	0.72	-9.56
3241.00	12.300	248.520	3234.43	37.42	-6.46	-72.62	1713325.36	390462.02	39°34'3.3294"N	80°31'0.8846"W	72.91	264.913	2.46	0.16	-11.57
3284.00	13.010	244.260	3276.39	39.43	-10.24	-81.24	1713316.74	390458.24	39°34'3.2911"N	80°31'0.9942"W	81.89	262.814	2.73	1.65	-9.91
3370.00	13.800	244.100	3360.05	42.94	-18.93	-99.19	1713298.80	390449.55	39°34'3.2033"N	80°31'1.2221"W	100.98	259.196	0.92	0.92	-0.19
3456.00	14.890	243.500	3443.36	46.55	-28.34	-118.30	1713279.68	390440.14	39°34'3.1081"N	80°31'1.4648"W	121.65	256.529	1.28	1.27	-0.70
3542.00	16.470	245.160	3526.16	50.72	-38.39	-139.26	1713258.73	390430.09	39°34'3.0064"N	80°31'1.7309"W	144.45	254.587	1.91	1.84	1.93
3628.00	17.370	245.740	3608.44	55.68	-48.79	-162.03	1713235.96	390419.70	39°34'2.9011"N	80°31'2.0201"W	169.21	253.243	1.06	1.05	0.67
3715.00	18.700	245.530	3691.16	61.10	-59.90	-186.56	1713211.43	390408.58	39°34'2.7886"N	80°31'2.3317"W	195.94	252.199	1.53	1.53	-0.24
3801.00	19.350	244.890	3772.46	66.53	-71.66	-212.01	1713185.98	390396.83	39°34'2.6695"N	80°31'2.6550"W	223.79	251.325	0.79	0.76	-0.74
3887.00	19.530	243.910	3853.56	71.68	-84.02	-237.82	1713160.17	390384.46	39°34'2.5444"N	80°31'2.9828"W	252.23	250.541	0.43	0.21	-1.14
3973.00	19.510	244.600	3934.62	76.78	-96.51	-263.70	1713134.29	390371.98	39°34'2.4182"N	80°31'3.3114"W	280.81	249.899	0.27	-0.02	0.30
4060.00	19.440	246.330	4016.64	82.53	-108.55	-290.09	1713107.91	390359.94	39°34'2.2962"N	80°31'3.6466"W	309.73	249.484	0.67	-0.08	1.99
4146.00	19.240	246.130	4097.79	88.55	-120.03	-316.15	1713081.85	390348.46	39°34'2.1798"N	80°31'3.9777"W	338.17	249.210	0.24	-0.23	-0.23
4232.00	19.020	245.200	4179.04	94.24	-131.64	-341.83	1713056.17	390336.85	39°34'2.0622"N	80°31'4.3039"W	366.30	248.938	0.44	-0.26	-1.08
4318.00	18.290	243.090	4260.52	99.08	-143.63	-366.59	1713031.42	390324.86	39°34'1.9410"N	80°31'4.6182"W	393.72	248.605	1.16	-0.85	-2.45
4404.00	17.660	244.200	4342.32	103.51	-155.41	-390.36	1713007.64	390313.08	39°34'1.8218"N	80°31'4.9201"W	420.16	248.291	0.83	-0.73	1.29
4490.00	17.360	245.540	4424.34	108.37	-166.40	-413.79	1712984.22	390302.09	39°34'1.7106"N	80°31'5.2176"W	445.99	248.093	0.58	-0.35	1.56
4577.00	17.420	245.840	4507.36	113.62	-177.11	-437.48	1712960.52	390291.38	39°34'1.6022"N	80°31'5.5186"W	471.97	247.960	0.12	0.07	0.34
4663.00	16.950	245.320	4589.52	118.71	-187.61	-460.62	1712937.39	390280.88	39°34'1.4958"N	80°31'5.8125"W	497.36	247.839	0.57	-0.55	-0.60
4749.00	16.870	244.560	4671.81	123.45	-198.21	-483.28	1712914.73	390270.29	39°34'1.3885"N	80°31'6.1003"W	522.35	247.700	0.27	-0.09	-0.88
4835.00	17.590	244.410	4753.95	128.07	-209.18	-506.27	1712891.74	390259.31	39°34'1.2775"N	80°31'6.3923"W	547.78	247.551	0.84	0.84	-0.17
4921.00	18.410	244.450	4835.74	132.87	-220.65	-530.24	1712867.77	390247.84	39°34'1.1615"N	80°31'6.6967"W	574.32	247.406	0.95	0.95	0.05
4998.00	17.880	243.480	4908.91	137.00	-231.18	-551.78	1712846.23	390237.31	39°34'1.0550"N	80°31'6.9702"W	598.26	247.268	0.80	-0.69	-1.32
5085.00	17.810	242.420	4991.72	141.12	-243.31	-575.52	1712822.49	390225.18	39°34'0.9324"N	80°31'7.2715"W	624.84	247.083	0.36	-0.08	-1.16
5171.00	18.540	245.660	5073.43	145.65	-255.17	-599.58	1712798.44	390213.33	39°34'0.8126"N	80°31'7.5770"W	651.62	246.946	1.28	0.85	3.07

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Actual Wellpath Report

BIG 464 5H AWP Proj: 23467

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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]	Buidl Rate ["/100ft]	Turn Rate ["/100ft]
5257.00	18.760	245.630	5154.92	151.05	-266.64	-624.57	1712773.45	390201.86	39°34'0.6964"N	80°31'17.8945"W	679.11	246.882	0.33	0.26	0.00
5344.00	18.730	244.160	5237.30	156.32	-278.50	-649.89	1712748.13	390190.00	39°34'0.5763"N	80°31'18.2160"W	707.05	246.803	0.54	-0.03	-1.00
5430.00	19.210	243.810	5318.63	161.15	-290.76	-675.01	1712723.01	390177.73	39°34'0.4523"N	80°31'18.5350"W	734.97	246.696	0.57	0.56	-0.41
5516.00	19.350	244.810	5399.81	166.22	-303.07	-700.60	1712697.42	390165.43	39°34'0.3278"N	80°31'18.8599"W	763.34	246.607	0.42	0.16	1.16
5602.00	19.310	243.190	5480.96	171.15	-315.55	-726.18	1712671.84	390152.95	39°34'0.2016"N	80°31'19.1847"W	791.78	246.513	0.63	-0.05	-1.88
5689.00	19.150	241.510	5563.11	175.30	-328.84	-751.56	1712646.46	390139.66	39°34'0.0674"N	80°31'19.5069"W	820.36	246.368	0.66	-0.18	-1.93
5775.00	18.650	241.380	5644.47	178.89	-342.16	-776.03	1712622.00	390126.34	39°33'59.9331"N	80°31'19.8174"W	848.11	246.207	0.58	-0.58	-0.15
5861.00	18.420	244.850	5726.01	183.20	-354.52	-800.40	1712597.63	390113.98	39°33'59.8082"N	80°31'10.1267"W	875.40	246.110	1.31	-0.27	4.03
5947.00	18.350	246.340	5807.62	188.64	-365.73	-825.10	1712572.93	390102.77	39°33'59.6947"N	80°31'10.4405"W	902.52	246.095	0.55	-0.08	1.73
6034.00	17.790	244.370	5890.33	193.94	-376.97	-849.63	1712548.40	390091.53	39°33'59.5808"N	80°31'10.7520"W	929.50	246.073	0.95	-0.64	-2.26
6120.00	17.530	241.760	5972.28	198.04	-388.78	-872.88	1712525.15	390079.72	39°33'59.4614"N	80°31'11.0472"W	955.55	245.992	0.97	-0.30	-3.03
6206.00	17.820	243.270	6054.22	201.90	-400.83	-896.05	1712501.99	390067.67	39°33'59.3398"N	80°31'11.3412"W	981.61	245.899	0.63	0.34	1.76
6292.00	18.010	246.790	6136.05	206.95	-411.99	-920.02	1712478.02	390056.51	39°33'59.2268"N	80°31'11.6457"W	1008.05	245.877	1.28	0.22	4.09
6379.00	17.730	247.180	6218.86	212.93	-422.43	-944.59	1712453.45	390046.08	39°33'59.1209"N	80°31'11.9579"W	1034.74	245.905	0.35	-0.32	0.45
6465.00	18.170	244.840	6300.67	218.43	-433.21	-968.80	1712429.24	390035.30	39°33'59.0117"N	80°31'12.2654"W	1061.24	245.908	0.98	0.51	-2.72
6551.00	18.800	244.300	6382.23	223.41	-444.92	-993.42	1712404.62	390023.59	39°33'58.8932"N	80°31'12.5781"W	1088.50	245.874	0.76	0.73	-0.03
6637.00	18.940	246.810	6463.61	228.97	-456.42	-1018.74	1712379.30	390012.08	39°33'58.7766"N	80°31'12.8997"W	1116.31	245.866	0.96	0.16	2.92
6723.00	18.110	245.480	6545.16	234.71	-467.47	-1043.73	1712354.32	390001.04	39°33'58.6647"N	80°31'13.2172"W	1143.63	245.873	1.08	-0.97	-1.55
6810.00	17.820	242.650	6627.92	239.39	-479.20	-1067.85	1712330.19	389989.31	39°33'58.5461"N	80°31'13.5235"W	1170.45	245.832	1.06	-0.33	-3.25
6896.00	18.770	243.230	6709.57	243.58	-491.47	-1091.90	1712306.15	389977.04	39°33'58.4220"N	80°31'13.8287"W	1197.41	245.767	1.12	1.10	0.67
6937.00	19.180	244.240	6748.34	245.82	-497.37	-1103.85	1712294.20	389971.14	39°33'58.3624"N	80°31'13.9805"W	1210.73	245.745	1.28	1.00	2.43
6972.00	19.810	242.650	6781.33	247.73	-502.60	-1114.30	1712283.75	389965.92	39°33'58.3096"N	80°31'14.1131"W	1222.40	245.723	2.35	1.80	-4.54
7067.00	20.480	257.260	6870.58	256.71	-513.66	-1144.83	1712253.22	389954.85	39°33'58.1968"N	80°31'14.5013"W	1254.78	245.835	5.33	0.71	15.38
7163.00	22.270	282.410	6960.16	276.97	-513.46	-1179.05	1712219.00	389955.05	39°33'58.1950"N	80°31'14.9383"W	1286.00	246.468	9.66	1.86	26.20
7258.00	27.310	302.380	7046.53	310.77	-497.88	-1215.12	1712182.94	389970.63	39°33'58.3449"N	80°31'15.4011"W	1313.16	247.719	10.22	5.31	21.02
7353.00	34.530	312.850	7128.03	357.53	-467.84	-1253.34	1712144.71	390000.67	39°33'58.6375"N	80°31'15.8935"W	1337.81	249.531	9.45	7.60	11.02
7447.00	42.850	315.650	7201.34	415.40	-426.79	-1295.29	1712102.76	390041.72	39°33'59.0385"N	80°31'16.4351"W	1363.79	251.763	9.04	8.85	2.98
7542.00	51.370	315.450	7265.94	484.17	-377.15	-1344.00	1712054.06	390091.35	39°33'59.5235"N	80°31'17.0641"W	1395.91	254.325	8.97	8.97	-0.21
7638.00	61.820	314.660	7318.72	563.22	-320.53	-1400.56	1711997.51	390147.97	39°34'0.0767"N	80°31'17.7945"W	1436.77	257.109	10.91	10.89	-0.92
7733.00	66.470	315.490	7360.14	647.64	-260.01	-1460.90	1711937.17	390208.49	39°34'0.6680"N	80°31'18.5738"W	1483.86	259.908	4.96	4.89	0.87

Actual Wellpath Report

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Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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]
7828.00	74.000	322.960	7392.28	736.60	-192.32	-1519.09	1711878.98	390276.17	39°34'11.3304"N	80°31'19.3266"W	1531.22	262.784	10.84	7.93	7.86
7923.00	81.160	328.550	7412.72	829.24	-115.68	-1571.19	1711826.88	390352.81	39°34'2.0820"N	80°31'20.0030"W	1575.45	265.789	9.48	7.54	5.88
8018.00	86.550	328.860	7422.88	923.34	-35.00	-1620.24	1711777.84	390433.48	39°34'2.8738"N	80°31'20.6409"W	1620.62	268.763	5.68	5.67	0.33
8113.00	87.170	328.660	7428.09	1017.87	46.11	-1669.43	1711728.65	390514.58	39°34'3.6698"N	80°31'21.2808"W	1670.07	271.582	0.69	0.65	-0.21
8208.00	88.400	328.700	7431.76	1112.49	127.20	-1718.78	1711679.31	390595.67	39°34'4.4657"N	80°31'21.9227"W	1723.48	274.233	1.30	1.29	0.04
8302.00	89.080	327.440	7433.83	1206.23	206.96	-1768.48	1711629.61	390675.42	39°34'5.2483"N	80°31'22.5689"W	1780.55	276.675	1.52	0.72	-1.34
8398.00	88.890	328.260	7435.53	1302.00	288.22	-1819.56	1711578.54	390756.68	39°34'6.0456"N	80°31'23.2329"W	1842.24	279.001	0.88	-0.20	0.85
8493.00	89.450	327.950	7436.90	1396.75	368.87	-1869.74	1711528.35	390837.33	39°34'6.8370"N	80°31'23.8854"W	1905.78	281.160	0.67	0.59	-0.33
8588.00	89.230	328.790	7438.00	1491.47	449.75	-1919.56	1711478.53	390918.20	39°34'7.6307"N	80°31'24.5333"W	1971.55	283.186	0.91	-0.23	0.88
8683.00	88.370	327.830	7439.99	1586.18	530.57	-1969.46	1711428.64	390999.02	39°34'8.4238"N	80°31'25.1821"W	2039.67	285.077	1.36	-0.91	-1.01
8778.00	88.060	326.690	7442.95	1680.99	610.43	-2020.81	1711377.29	391078.88	39°34'9.2073"N	80°31'25.8494"W	2110.99	286.808	1.24	-0.33	-1.20
8873.00	91.600	327.060	7443.23	1775.85	689.98	-2072.71	1711325.39	391158.42	39°34'9.9876"N	80°31'26.5238"W	2184.54	288.412	3.75	3.73	0.39
8967.00	88.340	325.700	7443.28	1869.76	768.25	-2124.75	1711273.36	391236.68	39°34'10.7552"N	80°31'27.1996"W	2259.37	289.878	3.76	-3.47	-1.45
9062.00	90.310	329.600	7444.40	1964.54	848.48	-2175.57	1711222.54	391316.91	39°34'11.5423"N	80°31'27.8602"W	2335.17	291.306	4.60	2.07	4.11
9157.00	88.370	330.050	7445.49	2059.04	930.59	-2223.31	1711174.80	391399.02	39°34'12.3485"N	80°31'28.4818"W	2410.21	292.712	2.10	-2.04	0.47
9252.00	89.350	327.310	7447.38	2153.70	1011.73	-2272.68	1711125.44	391480.14	39°34'13.1447"N	80°31'29.1240"W	2487.70	293.997	3.06	1.03	-2.88
9347.00	88.310	329.640	7449.32	2248.39	1092.68	-2322.34	1711075.78	391561.09	39°34'13.9392"N	80°31'29.7699"W	2566.56	295.197	2.69	-1.09	2.45
9442.00	91.200	330.550	7449.73	2342.84	1175.02	-2369.70	1711028.43	391643.43	39°34'14.7476"N	80°31'30.3865"W	2645.02	296.375	3.19	3.04	0.96
9538.00	90.150	330.050	7448.60	2438.26	1258.40	-2417.26	1710980.87	391726.81	39°34'15.5662"N	80°31'31.0060"W	2725.20	297.501	1.21	-1.09	-0.52
9633.00	88.650	328.440	7449.59	2532.86	1340.03	-2465.83	1710932.30	391808.43	39°34'16.3675"N	80°31'31.6381"W	2806.42	298.521	2.32	-1.58	-1.69
9728.00	91.480	329.350	7449.48	2627.50	1421.37	-2514.90	1710883.23	391889.76	39°34'17.1657"N	80°31'32.2766"W	2888.78	299.474	3.13	2.98	0.96
9823.00	89.110	329.580	7448.99	2722.07	1503.18	-2563.17	1710834.97	391971.57	39°34'17.9688"N	80°31'32.9048"W	2971.43	300.390	2.51	-2.49	0.24
9918.00	88.860	328.660	7450.68	2816.68	1584.70	-2611.92	1710786.22	392053.09	39°34'18.7689"N	80°31'33.5391"W	3055.06	301.246	1.00	-0.26	-0.97
10013.00	90.580	329.220	7451.14	2911.33	1666.08	-2660.93	1710737.21	392134.46	39°34'19.5676"N	80°31'34.1768"W	3139.48	302.052	1.90	1.81	0.59
10108.00	88.030	326.210	7452.29	3006.10	1746.37	-2711.66	1710686.49	392214.74	39°34'20.3554"N	80°31'34.8363"W	3225.35	302.782	4.15	-2.68	-3.17
10203.00	90.220	332.560	7453.75	3100.62	1828.07	-2760.00	1710638.15	392296.44	39°34'21.1573"N	80°31'35.4656"W	3310.51	303.518	7.07	2.31	6.68
10298.00	93.700	329.750	7450.94	3194.83	1911.23	-2805.80	1710592.35	392379.60	39°34'21.9740"N	80°31'36.0625"W	3394.90	304.262	4.29	3.11	-2.96
10392.00	88.890	329.760	7449.25	3288.32	1992.41	-2853.13	1710545.02	392460.76	39°34'22.7709"N	80°31'36.6787"W	3479.95	304.927	4.55	-4.55	0.01
10487.00	88.350	329.610	7451.06	3382.84	2074.40	-2901.07	1710497.08	392542.75	39°34'23.5758"N	80°31'37.3029"W	3566.42	305.566	0.16	0.03	-0.16
10582.00	88.610	329.780	7452.69	3477.36	2156.41	-2949.00	1710449.15	392624.76	39°34'24.3808"N	80°31'37.9269"W	3653.32	306.175	0.27	0.20	0.18

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10677.00	88.340	329.160	7454.81	3571.91	2238.21	-2997.25	1710400.91	392706.56	39°34'25.1838"N	80°31'38.5549"W	3740.74	306.751	1.04	-0.81	-0.65
10772.00	89.880	329.380	7456.28	3666.50	2319.86	-3045.79	1710352.38	392788.20	39°34'25.9852"N	80°31'39.1867"W	3828.65	307.295	1.64	1.62	0.23
10867.00	89.690	329.230	7456.64	3761.10	2401.55	-3094.28	1710303.89	392869.89	39°34'26.7870"N	80°31'39.8178"W	3916.89	307.816	0.25	-0.20	-0.16
10961.00	89.380	329.280	7457.40	3854.70	2482.34	-3142.33	1710255.84	392950.67	39°34'27.5800"N	80°31'40.4432"W	4004.53	308.308	0.33	-0.33	0.05
11057.00	89.850	331.530	7458.05	3950.10	2565.81	-3189.74	1710208.43	393034.13	39°34'28.3995"N	80°31'41.0608"W	4093.63	308.813	2.39	0.49	2.34
11151.00	89.720	328.580	7458.40	4043.57	2647.25	-3236.66	1710161.52	393115.57	39°34'29.1990"N	80°31'41.6718"W	4181.37	309.280	3.14	-0.14	-3.14
11246.00	90.460	332.270	7458.25	4137.96	2729.86	-3283.54	1710114.64	393198.17	39°34'30.0101"N	80°31'42.2825"W	4270.10	309.739	3.96	0.78	3.88
11340.00	89.570	328.610	7458.23	4231.36	2811.61	-3329.90	1710068.28	393279.92	39°34'30.8128"N	80°31'42.8865"W	4358.14	310.176	4.01	-0.95	-3.99
11436.00	90.000	330.130	7458.59	4326.94	2894.21	-3378.81	1710019.37	393362.51	39°34'31.6236"N	80°31'43.5232"W	4448.91	310.583	1.65	0.45	1.58
11531.00	89.570	329.990	7458.94	4421.41	2976.53	-3426.23	1709971.96	393444.83	39°34'32.4318"N	80°31'44.1407"W	4538.58	310.982	0.48	-0.45	-0.15
11626.00	89.750	330.320	7459.51	4515.87	3058.93	-3473.50	1709924.69	393527.22	39°34'33.2407"N	80°31'44.7564"W	4628.42	311.369	0.40	0.19	0.35
11721.00	88.000	328.380	7461.37	4610.43	3140.63	-3521.92	1709876.28	393608.92	39°34'34.0427"N	80°31'45.3867"W	4718.84	311.725	2.75	-1.84	-2.04
11816.00	90.650	328.940	7462.49	4705.11	3221.76	-3571.32	1709826.88	393690.04	39°34'34.8388"N	80°31'46.0294"W	4809.79	312.054	2.85	2.79	0.59
11912.00	88.890	330.640	7462.88	4800.61	3304.72	-3619.62	1709778.58	393772.99	39°34'35.6532"N	80°31'46.6583"W	4901.31	312.396	2.55	-1.83	1.77
12007.00	88.210	326.940	7465.28	4895.24	3385.93	-3668.82	1709729.38	393854.20	39°34'36.4502"N	80°31'47.2985"W	4992.47	312.704	3.96	-0.72	-3.89
12102.00	91.230	330.780	7465.75	4989.87	3467.21	-3717.93	1709680.27	393935.48	39°34'37.2479"N	80°31'47.9376"W	5083.76	313.001	5.14	3.18	4.04
12197.00	89.540	328.610	7465.11	5084.40	3549.22	-3765.87	1709632.34	394017.48	39°34'38.0529"N	80°31'48.5617"W	5174.82	313.304	2.90	-1.78	-2.28
12292.00	89.720	329.500	7465.72	5179.03	3630.70	-3814.72	1709583.50	394098.95	39°34'38.8526"N	80°31'49.1974"W	5266.31	313.584	0.96	0.19	0.94
12387.00	89.820	329.640	7466.10	5273.58	3712.61	-3862.83	1709535.38	394180.86	39°34'39.6566"N	80°31'49.8239"W	5357.70	313.864	0.18	0.11	0.15
12482.00	90.280	330.410	7466.02	5368.06	3794.90	-3910.29	1709487.92	394263.15	39°34'40.4645"N	80°31'50.4420"W	5449.01	314.142	0.94	0.48	0.81
12577.00	90.030	329.550	7465.76	5462.55	3877.16	-3957.82	1709440.40	394345.40	39°34'41.2720"N	80°31'51.0610"W	5540.46	314.410	0.94	-0.26	-0.91
12672.00	89.600	330.150	7466.07	5557.06	3959.30	-4005.54	1709392.69	394427.54	39°34'42.0784"N	80°31'51.6824"W	5632.09	314.667	0.78	-0.45	0.63
12767.00	89.320	329.610	7466.97	5651.56	4041.47	-4053.21	1709345.02	394509.71	39°34'42.8851"N	80°31'52.3032"W	5723.81	314.917	0.64	-0.29	-0.57
12862.00	89.570	327.760	7467.89	5746.24	4122.62	-4102.58	1709295.65	394590.85	39°34'43.6815"N	80°31'52.9458"W	5816.11	315.140	1.96	0.26	-1.95
12956.00	90.310	328.880	7467.98	5839.97	4202.62	-4151.94	1709246.29	394670.84	39°34'44.4664"N	80°31'53.5877"W	5907.67	315.348	1.43	0.79	1.19
13051.00	89.570	329.090	7468.08	5934.62	4284.03	-4200.89	1709197.34	394752.25	39°34'45.2655"N	80°31'54.2248"W	6000.04	315.561	0.81	-0.78	0.22
13146.00	89.880	330.360	7468.54	6029.14	4366.07	-4248.79	1709149.45	394834.29	39°34'46.0708"N	80°31'54.8484"W	6092.19	315.780	1.38	0.33	1.34
13241.00	88.830	329.200	7469.61	6123.66	4448.16	-4296.60	1709101.64	394916.37	39°34'46.8765"N	80°31'55.4710"W	6184.40	315.993	1.65	-1.11	-1.22
13336.00	88.770	325.600	7471.60	6218.46	4528.16	-4347.76	1709050.48	394996.36	39°34'47.6614"N	80°31'56.1361"W	6277.52	316.164	3.79	-0.06	-3.79
13432.00	89.850	328.480	7472.76	6314.31	4608.69	-4399.98	1708998.27	395076.89	39°34'48.4513"N	80°31'56.8148"W	6371.80	316.327	3.20	1.12	3.00

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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]
13527.00	90.060	329.520	7472.83	6408.95	4690.12	-4448.91	1708949.34	395158.32	39°34'49.2505"N	80°31'57.4516"W	6464.52	316.512	1.12	0.22	1.09
13621.00	88.160	330.730	7474.27	6502.40	4771.61	-4495.72	1708902.53	395239.81	39°34'50.0505"N	80°31'58.0614"W	6555.90	316.705	2.38	-2.00	1.29
13716.00	91.260	328.450	7474.74	6596.93	4853.53	-4543.80	1708854.46	395321.71	39°34'50.8546"N	80°31'58.6874"W	6648.52	316.888	4.03	3.24	-2.40
13812.00	90.370	329.100	7473.37	6692.59	4935.61	-4593.56	1708804.70	395403.79	39°34'51.6601"N	80°31'59.3350"W	6742.48	317.056	1.15	-0.93	0.68
13907.00	89.780	328.270	7473.25	6787.28	5016.77	-4642.93	1708755.33	395484.95	39°34'52.4566"N	80°31'59.9775"W	6835.56	317.216	1.07	-0.62	-0.87
14002.00	89.350	328.510	7473.97	6882.00	5097.67	-4692.73	1708705.54	395565.85	39°34'53.2505"N	80°32'0.6252"W	6928.78	317.369	0.52	-0.45	0.25
14097.00	91.420	328.900	7473.33	6976.68	5178.85	-4742.07	1708656.20	395647.01	39°34'54.0470"N	80°32'1.2673"W	7021.94	317.521	2.22	2.18	0.41
14192.00	90.180	328.930	7472.00	7071.32	5260.20	-4791.11	1708607.16	395728.36	39°34'54.8454"N	80°32'1.9056"W	7115.08	317.672	1.31	-1.31	0.03
14287.00	90.490	328.390	7471.45	7166.01	5341.33	-4840.52	1708557.75	395809.49	39°34'55.6416"N	80°32'2.5485"W	7208.36	317.816	0.66	0.33	-0.57
14382.00	89.940	330.020	7471.09	7260.62	5422.93	-4889.16	1708509.12	395891.08	39°34'56.4425"N	80°32'3.1816"W	7301.51	317.963	1.81	-0.58	1.72
14477.00	88.660	325.320	7472.09	7355.39	5503.18	-4939.94	1708458.34	395971.33	39°34'57.2298"N	80°32'3.8420"W	7395.14	318.087	5.08	-1.14	-4.95
14572.00	90.310	329.060	7472.78	7450.23	5583.01	-4991.41	1708406.87	396051.15	39°34'58.0128"N	80°32'4.5110"W	7488.93	318.202	4.22	1.53	3.94
14667.00	89.320	329.400	7473.08	7544.83	5664.63	-5040.01	1708358.28	396132.77	39°34'58.8139"N	80°32'5.1437"W	7582.20	318.339	1.10	-1.04	0.36
14762.00	89.540	328.680	7474.03	7639.47	5746.09	-5088.88	1708309.41	396214.22	39°34'59.6134"N	80°32'5.7798"W	7675.56	318.471	0.79	0.23	-0.76
14857.00	90.800	328.470	7473.75	7734.16	5827.16	-5138.41	1708259.88	396295.28	39°35'0.4089"N	80°32'6.4243"W	7769.10	318.594	1.34	1.33	-0.22
14952.00	89.850	329.350	7473.21	7828.82	5908.51	-5187.46	1708210.83	396376.63	39°35'1.2072"N	80°32'7.0628"W	7862.58	318.718	1.36	-1.00	0.93
15047.00	89.230	328.090	7473.97	7923.49	5989.69	-5236.79	1708161.51	396457.81	39°35'2.0040"N	80°32'7.7046"W	7956.15	318.837	1.48	-0.65	-1.33
15142.00	90.250	327.840	7474.40	8018.27	6070.22	-5287.18	1708111.12	396538.34	39°35'2.7941"N	80°32'8.3600"W	8049.96	318.944	1.11	1.07	-0.26
15236.00	92.280	328.360	7472.33	8112.00	6150.00	-5336.84	1708061.47	396618.11	39°35'3.5768"N	80°32'9.0060"W	8142.75	319.049	2.23	2.16	0.55
15331.00	89.850	328.760	7470.56	8206.68	6231.04	-5386.38	1708011.93	396699.14	39°35'4.3720"N	80°32'9.6506"W	8236.43	319.158	2.69	-2.56	0.42
15426.00	91.020	329.170	7469.84	8301.32	6312.43	-5435.35	1707962.96	396780.53	39°35'5.1708"N	80°32'10.2881"W	8330.06	319.270	1.31	1.23	0.43
15521.00	90.060	328.210	7468.94	8396.00	6393.59	-5484.72	1707913.60	396861.68	39°35'5.9673"N	80°32'10.9305"W	8423.78	319.375	1.43	-1.01	-1.01
15616.00	89.820	327.940	7469.04	8490.77	6474.22	-5534.95	1707863.36	396942.31	39°35'6.7584"N	80°32'11.5840"W	8517.70	319.472	0.38	-0.25	-0.28
15711.00	91.230	331.790	7468.17	8585.25	6556.36	-5582.63	1707815.68	397024.44	39°35'7.5647"N	80°32'12.2051"W	8611.14	319.586	4.32	1.48	4.05
15806.00	90.920	327.370	7466.39	8679.77	6638.25	-5630.72	1707767.61	397106.33	39°35'8.3685"N	80°32'13.4712"W	8704.67	319.695	4.66	-0.33	-4.65
15900.00	91.480	329.510	7464.42	8773.46	6718.32	-5679.90	1707718.42	397186.40	39°35'9.1542"N	80°32'14.0892"W	8797.56	319.788	2.35	0.60	2.28
15995.00	89.140	330.570	7463.91	8867.93	6800.62	-5727.34	1707670.99	397268.69	39°35'9.9621"N	80°32'14.7122"W	8891.05	319.897	2.70	-2.46	1.12
16090.00	90.220	328.950	7462.75	8962.43	6882.67	-5775.17	1707623.16	397350.74	39°35'10.7675"N	80°32'15.3433"W	8984.64	320.000	3.69	3.27	-1.71
16185.00	90.750	328.670	7460.28	9056.99	6964.34	-5823.64	1707574.69	397432.40	39°35'11.5690"N	80°32'15.9766"W	9078.37	320.097	1.76	-1.59	0.76
16280.00	90.090	328.840	7459.59	9151.60	7045.98	-5872.20	1707526.13	397514.04	39°35'12.3703"N	80°32'15.9766"W	9172.17	320.192	1.11	-0.68	-0.87

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Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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]
16375.00	89.780	329.080	7459.70	9246.24	7127.38	-5921.19	1707477.15	397595.43	39°35'13.1692"N	80°32'16.6132"W	9266.07	320.281	0.41	-0.33	0.25
16470.00	89.480	328.350	7460.31	9340.92	7208.56	-5970.52	1707427.82	397676.61	39°35'13.9658"N	80°32'17.2552"W	9360.05	320.367	0.83	-0.32	-0.77
16565.00	90.740	327.790	7460.13	9435.68	7289.19	-6020.76	1707377.58	397757.23	39°35'14.7569"N	80°32'17.9088"W	9454.20	320.444	1.45	1.33	-0.59
16660.00	90.550	330.180	7459.06	9530.32	7370.59	-6069.71	1707328.64	397838.63	39°35'15.5558"N	80°32'18.5460"W	9548.14	320.528	2.52	-0.20	2.52
16754.00	90.220	326.910	7458.43	9624.01	7450.77	-6118.75	1707279.60	397918.80	39°35'16.3425"N	80°32'19.1842"W	9641.22	320.606	3.50	-0.35	-3.48
16849.00	90.550	328.730	7457.79	9718.80	7531.17	-6169.34	1707229.01	397999.19	39°35'17.1313"N	80°32'19.8422"W	9735.47	320.677	1.95	0.35	1.92
16944.00	92.090	329.700	7455.60	9813.38	7612.76	-6217.95	1707180.41	398080.78	39°35'17.9320"N	80°32'20.4751"W	9829.40	320.759	1.92	1.62	1.02
17039.00	89.630	328.330	7454.17	9908.00	7694.18	-6266.85	1707131.51	398162.20	39°35'18.7311"N	80°32'21.1116"W	9923.40	320.837	2.96	-2.59	-1.44
17133.00	90.430	329.110	7454.12	10001.68	7774.52	-6315.65	1707082.71	398242.53	39°35'19.5195"N	80°32'21.7469"W	10016.52	320.911	1.19	0.85	0.83
17228.00	89.540	327.940	7454.15	10096.39	7855.54	-6365.26	1707033.11	398323.54	39°35'20.3145"N	80°32'22.3923"W	10110.69	320.983	1.55	-0.94	-1.23
17323.00	90.090	328.550	7454.46	10191.13	7936.32	-6415.25	1706983.12	398404.32	39°35'21.1071"N	80°32'23.0429"W	10204.93	321.050	0.86	0.58	0.64
17418.00	90.430	328.840	7454.02	10285.81	8017.49	-6464.61	1706933.76	398485.48	39°35'21.9036"N	80°32'23.6853"W	10299.09	321.120	0.47	0.30	0.31
17513.00	89.800	329.600	7452.39	10380.42	8099.10	-6513.23	1706885.15	398567.09	39°35'22.7045"N	80°32'24.3183"W	10393.15	321.194	0.89	0.39	0.80
17608.00	89.940	328.760	7452.08	10569.71	8261.90	-6561.90	1706836.48	398648.66	39°35'23.5052"N	80°32'24.9520"W	10487.23	321.266	1.27	-0.91	-0.88
17703.00	90.430	328.970	7451.30	10664.37	8343.22	-6660.28	1706787.22	398729.88	39°35'24.3023"N	80°32'25.5933"W	10581.42	321.333	0.52	0.52	0.00
17798.00	89.940	328.280	7450.92	10759.06	8424.32	-6709.74	1706738.10	398811.19	39°35'25.1002"N	80°32'26.2327"W	10675.61	321.400	0.24	0.09	0.22
17893.00	90.950	328.820	7450.18	10853.76	8505.36	-6759.31	1706688.64	398892.29	39°35'25.8961"N	80°32'26.8764"W	10769.86	321.464	0.95	-0.61	-0.73
17988.00	89.230	328.710	7450.03	10948.43	8586.59	-6808.57	1706639.08	398973.33	39°35'26.6913"N	80°32'27.5214"W	10864.14	321.525	1.21	1.06	0.57
18083.00	92.310	328.400	7448.75	11043.11	8667.62	-6858.12	1706589.83	399054.55	39°35'27.4884"N	80°32'28.1626"W	10958.38	321.588	1.81	-1.81	-0.12
18178.00	90.430	329.310	7446.48	11137.75	8748.90	-6907.23	1706540.28	399135.58	39°35'28.2835"N	80°32'28.8075"W	11052.67	321.648	3.26	3.24	-0.33
18273.00	90.740	328.340	7445.51	11232.41	8830.18	-6956.41	1706491.17	399216.85	39°35'29.0811"N	80°32'29.4469"W	11146.89	321.709	2.20	-1.98	0.96
18368.00	89.630	327.660	7445.20	11327.18	8910.74	-7006.75	1706441.99	399298.12	39°35'29.8787"N	80°32'30.0870"W	11241.16	321.769	1.07	0.33	-1.02
18463.00	90.150	329.360	7445.39	11421.88	8991.75	-7056.37	1706392.04	399379.68	39°35'30.6691"N	80°32'30.7419"W	11335.60	321.821	1.37	-1.17	-0.72
18558.00	90.540	328.010	7443.98	11516.55	9072.89	-7105.74	1706342.04	399459.68	39°35'31.4640"N	80°32'31.3877"W	11429.95	321.877	1.87	0.55	1.79
18653.00	90.370	328.050	7442.40	11611.31	9153.47	-7156.03	1706292.67	399540.82	39°35'32.2603"N	80°32'32.0303"W	11524.27	321.933	2.04	1.46	-1.42
18748.00	90.120	329.570	7442.00	11705.97	9234.74	-7205.23	1706242.38	399621.40	39°35'33.0508"N	80°32'32.6846"W	11618.73	321.982	1.23	-1.23	0.04
18843.00	90.310	329.740	7441.64	11800.51	9316.72	-7253.22	1706193.19	399702.66	39°35'33.8483"N	80°32'33.3251"W	11713.05	322.038	1.62	-0.26	1.60
18938.00	90.490	329.640	7440.98	11895.05	9398.73	-7301.16	1706145.20	399784.64	39°35'34.6530"N	80°32'33.9502"W	11807.22	322.099	0.27	0.20	0.18
19033.00	89.540	330.550	7440.95	11989.52	9481.08	-7348.53	1706097.26	399866.64	39°35'35.4580"N	80°32'34.5748"W	11901.39	322.159	0.22	0.19	-0.11
19128.00			7440.95	11989.52	9481.08	-7348.53	1706049.90	399948.99	39°35'36.2664"N	80°32'35.1920"W	11995.49	322.222	1.38	-1.00	0.96

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WELLPATH DATA (287 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]
19223.00	90.030	329.370	7441.31	12084.00	9563.32	-7396.08	1706002.35	400031.22	39°35'37.0736"N	80°32'35.8116"W	12089.63	322.282	1.34	0.52	-1.24
19318.00	90.280	329.620	7441.05	12178.57	9645.17	-7444.31	1705954.13	400113.06	39°35'37.8770"N	80°32'36.4397"W	12183.88	322.338	0.37	0.26	0.26
19413.00	90.550	328.090	7440.36	12273.23	9726.47	-7493.44	1705905.00	400194.36	39°35'38.6748"N	80°32'37.0793"W	12278.27	322.389	1.64	0.28	-1.61
19508.00	91.170	330.500	7438.94	12367.81	9808.14	-7541.94	1705856.50	400276.02	39°35'39.4763"N	80°32'37.7109"W	12372.57	322.442	2.62	0.65	2.54
19603.00	90.860	329.950	7437.25	12462.24	9890.58	-7589.11	1705809.34	400358.46	39°35'40.2856"N	80°32'38.3257"W	12466.68	322.501	0.66	-0.33	-0.58
19699.00	90.370	330.430	7436.22	12557.68	9973.87	-7636.83	1705761.62	400441.75	39°35'41.1033"N	80°32'38.9476"W	12561.82	322.559	0.71	-0.51	0.50
19794.00	90.310	328.590	7435.66	12652.24	10055.73	-7685.03	1705713.42	400523.60	39°35'41.9067"N	80°32'39.5754"W	12656.12	322.611	1.94	-0.06	-1.94
19889.00	90.990	329.540	7434.58	12746.87	10137.21	-7733.86	1705664.59	400605.08	39°35'42.7063"N	80°32'40.2112"W	12740.51	322.659	1.23	0.72	1.00
19984.00	90.980	329.910	7432.95	12841.38	10219.24	-7781.75	1705616.71	400687.10	39°35'43.5115"N	80°32'40.8351"W	12844.78	322.711	0.39	-0.01	0.39
20080.00	90.430	329.590	7431.77	12936.90	10302.17	-7830.10	1705568.35	400770.02	39°35'44.3254"N	80°32'41.4651"W	12940.06	322.764	0.66	-0.57	-0.33
20175.00	90.370	329.970	7431.10	13031.42	10384.25	-7877.92	1705520.54	400852.10	39°35'45.1312"N	80°32'42.0881"W	13034.35	322.815	0.40	-0.06	0.40
20270.00	90.340	329.620	7430.52	13125.94	10466.35	-7925.71	1705472.75	400934.20	39°35'45.9370"N	80°32'42.7108"W	13128.65	322.865	0.37	-0.03	-0.37
20365.00	90.250	329.340	7430.03	13220.50	10548.19	-7973.95	1705424.51	401016.03	39°35'46.7402"N	80°32'43.3392"W	13223.02	322.912	0.31	-0.09	-0.29
20460.00	90.680	329.580	7429.25	13315.07	10630.01	-8022.23	1705376.24	401097.84	39°35'47.5432"N	80°32'43.9679"W	13317.40	322.959	0.52	0.45	0.25
20555.00	90.000	329.870	7428.69	13409.60	10712.05	-8070.12	1705328.35	401179.88	39°35'48.3485"N	80°32'44.5919"W	13411.74	323.007	0.78	-0.72	0.31
20650.00	89.820	329.460	7428.84	13504.14	10794.04	-8118.10	1705280.37	401261.87	39°35'49.1533"N	80°32'45.2170"W	13506.11	323.054	0.47	-0.19	-0.43
20745.00	90.580	329.310	7428.51	13598.73	10875.80	-8166.48	1705232.00	401343.62	39°35'49.9557"N	80°32'45.8471"W	13600.53	323.098	0.82	-0.43	0.38
20839.00	90.180	329.670	7427.89	13692.30	10956.78	-8214.20	1705184.28	401424.60	39°35'50.7505"N	80°32'46.4687"W	13693.95	323.141	0.57	-0.43	0.38
20934.00	90.150	329.330	7427.61	13786.87	11038.64	-8262.42	1705136.07	401506.45	39°35'51.5539"N	80°32'47.0968"W	13788.36	323.185	0.36	-0.03	-0.36
21029.00	90.580	329.790	7427.01	13881.42	11120.54	-8310.55	1705087.94	401588.34	39°35'52.3578"N	80°32'47.7238"W	13882.78	323.229	0.66	0.45	0.48
21124.00	90.620	329.840	7426.01	13975.93	11202.65	-8358.31	1705040.18	401670.45	39°35'53.1637"N	80°32'48.3461"W	13977.15	323.273	0.07	0.04	0.05
21219.00	91.200	330.020	7424.50	14070.42	11284.86	-8405.90	1704992.59	401752.65	39°35'53.9706"N	80°32'48.9663"W	14071.50	323.318	0.64	0.61	0.19
21314.00	90.520	330.080	7423.08	14164.88	11367.16	-8453.05	1704945.17	401834.95	39°35'54.7786"N	80°32'49.5844"W	14165.84	323.363	0.72	-0.72	0.06
21409.00	89.510	329.600	7423.05	14259.39	11449.30	-8501.33	1704897.44	401917.08	39°35'55.5848"N	80°32'50.2063"W	14260.24	323.406	1.18	-1.06	-0.51
21504.00	90.060	327.650	7423.41	14354.08	11530.40	-8550.51	1704847.99	401998.18	39°35'56.3806"N	80°32'50.8501"W	14354.84	323.441	2.13	0.58	-2.05
21599.00	90.430	330.170	7423.00	14448.73	11611.75	-8599.56	1704798.94	402079.52	39°35'57.1789"N	80°32'51.4888"W	14449.40	323.477	2.68	0.39	2.65
21693.00	89.420	326.620	7423.13	14542.44	11691.79	-8648.82	1704749.69	402159.56	39°35'57.9842"N	80°32'52.1299"W	14543.04	323.508	3.93	-1.07	-3.78
21788.00	90.180	330.530	7423.46	14637.12	11772.84	-8698.34	1704700.17	402240.61	39°35'58.7995"N	80°32'52.7746"W	14637.65	323.541	4.19	0.80	4.12
21883.00	89.780	328.690	7423.49	14731.67	11854.79	-8746.39	1704652.12	402322.55	39°35'59.5637"N	80°32'53.4007"W	14732.12	323.580	1.98	-0.42	-1.94
21978.00	90.400	327.870	7423.34	14826.40	11935.64	-8796.27	1704602.24	402403.39	39°36'00.3570"N	80°32'54.0499"W	14826.79	323.611	1.00	0.65	-0.76

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Actual Wellpath Report

BIG 464 5H AWP Proj: 23467'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

WELLPATH DATA (287 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]
22073.00	90.620	329.740	7422.50	14921.05	12016.94	-8845.40	1704553.12	402484.69	39°36'1.1548"N	80°32'54.6896"W	14921.39	323.644	1.88	0.23	1.86
22169.00	90.060	328.370	7421.93	15016.68	12099.27	-8894.76	1704503.76	402567.02	39°36'1.9628"N	80°32'55.3324"W	15016.96	323.679	1.54	-0.58	-1.43
22263.00	89.780	330.310	7422.06	15110.27	12180.13	-8942.70	1704455.83	402647.87	39°36'2.7563"N	80°32'55.9568"W	15110.50	323.714	2.09	-0.30	2.06
22358.00	90.490	327.260	7421.83	15204.93	12261.36	-8991.92	1704406.60	402729.10	39°36'3.5534"N	80°32'56.5978"W	15205.12	323.745	3.30	0.75	-3.21
22453.00	90.710	329.130	7420.84	15299.67	12342.09	-9041.99	1704356.54	402809.82	39°36'4.3454"N	80°32'57.2493"W	15299.83	323.773	1.98	0.23	1.97
22549.00	90.220	329.200	7420.06	15395.28	12424.52	-9091.19	1704307.34	402892.24	39°36'5.1543"N	80°32'57.8902"W	15395.40	323.807	0.52	-0.51	0.07
22643.00	89.330	328.100	7420.39	15488.98	12504.79	-9140.10	1704258.44	402972.51	39°36'5.9420"N	80°32'58.5269"W	15489.06	323.836	1.47	-0.89	-1.17
22738.00	90.060	328.710	7420.85	15583.70	12585.71	-9189.87	1704208.67	403053.42	39°36'6.7359"N	80°32'59.1748"W	15583.76	323.864	0.96	0.72	0.64
22833.00	90.120	328.330	7420.70	15678.41	12666.73	-9239.47	1704159.07	403134.44	39°36'7.5308"N	80°32'59.8206"W	15678.45	323.892	0.40	0.06	-0.40
22927.00	90.250	328.840	7420.40	15772.11	12746.95	-9288.47	1704110.07	403214.65	39°36'8.3180"N	80°33'0.4585"W	15772.14	323.920	0.56	0.14	0.54
23022.00	90.400	329.010	7419.86	15866.76	12828.31	-9337.50	1704061.04	403296.01	39°36'9.1164"N	80°33'1.0970"W	15866.77	323.950	0.24	0.16	0.18
23117.00	89.050	329.300	7420.32	15961.38	12909.87	-9386.21	1704012.34	403377.57	39°36'9.9168"N	80°33'1.7314"W	15961.38	323.981	1.45	-1.42	0.31
23212.00	90.740	326.760	7420.49	16056.13	12990.45	-9436.51	1703962.05	403458.14	39°36'10.7073"N	80°33'2.3860"W	16056.13	324.005	3.21	1.78	-2.67
23307.00	90.370	327.910	7419.57	16150.97	13070.42	-9487.78	1703910.78	403538.11	39°36'11.4917"N	80°33'3.0529"W	16150.97	324.024	1.27	-0.39	1.21
23402.00	89.970	327.560	7419.29	16245.77	13150.75	-9538.49	1703860.07	403618.43	39°36'12.2797"N	80°33'3.7127"W	16245.77	324.046	0.56	-0.42	-0.37
23442.00	90.520	328.020	7419.12	16285.68	13184.60	-9559.81	1703838.75	403652.27	39°36'12.6117"N	80°33'3.9902"W	16285.68	324.055	1.79	1.37	1.15
23467.00†	90.520	328.020	7418.89	16310.62	13205.80	-9573.05	1703825.51	403673.48	39°36'12.8197"N	80°33'4.1625"W	16310.62	324.061	0.00	0.00	0.00

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

HOLE & CASING SECTIONS - Ref Wellbore: BIG 464 5H AWB Ref Wellpath: BIG 464 5H AWP Proj: 23467

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	0.02	0.00
17.5in Open Hole	68.00	1038.00	970.00	68.00	1037.99	0.02	0.00	-0.05	1.34
13.375in Casing Surface	28.00	1038.00	1010.00	28.00	1037.99	0.00	0.00	-0.05	1.34
12.25in Open Hole	1038.00	2478.00	1440.00	1037.99	2477.97	-0.05	1.34	-4.20	7.94
9.625in Casing Intermediate	28.00	2478.00	2450.00	28.00	2477.97	0.00	0.00	-4.20	7.94
8.75in Open Hole	2478.00	7013.00	4535.00	2477.97	6819.89	-4.20	7.94	-508.29	-1127.00
8.5in Open Hole	7013.00	23467.00	16454.00	6819.89	7418.89	-508.29	-1127.00	13205.80	-9573.05
5.5in Casing Production	28.00	23447.00	23419.00	28.00	7419.07	0.00	0.00	13188.84	-9562.46

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BIG 464 5H AWP Proj: 23467
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BIG 464 5H LP Rev-2	7421.00	-54.94	-1613.70	1711784.38	390413.55	39°34'2.6775"N	80°31'20.5545"W	point
BIG 464 5H BHL Rev-2	7691.00	13202.25	-9579.82	1703818.74	403669.93	39°36'12.7838"N	80°33'4.2484"W	point
BIG 464 HL 1 Rev-2	7750.00	14203.64	-11518.17	1701880.50	404671.25	39°36'22.4552"N	80°33'29.1613"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 HL 2 Rev-2	7750.00	12790.29	-10265.62	1703132.99	403258.00	39°36'8.6333"N	80°33'12.9477"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 L&A 3 Rev-2	7750.00	10899.96	-7386.96	1706011.47	401367.78	39°35'50.2841"N	80°32'35.8934"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 TEMP 2 Rev-2	7750.00	11314.44	-8580.95	1704817.55	401782.24	39°35'54.2429"N	80°32'51.2068"W	polygon
2D Polygon: dimensions not calculated								

WELLPATH COMPOSITION - Ref Wellbore: BIG 464 5H AWB Ref Wellpath: BIG 464 5H AWP Proj: 23467

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2389.00	Gyrodata 2015 - CT+WIR+ALC	01 Gyrodata Cont. Gyro <12-1/4"> (115'-2389')	BIG 464 5H AWB	3/22/2022
2389.00	6937.00	OWSG MWD rev2 + HRGM	02 SDI MWD <8-3/4"> (2389')(2507'-6937')	BIG 464 5H AWB	3/22/2022
6937.00	23467.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03 BH AT Curve+H&P IFR1+MSA <8-1/2"> (6937')(6972'-23442')	BIG 464 5H AWB	4/13/2022

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 5H (L-004022)
Field	Wetzel	API	47-103-03433-0000
Facility	Big 464 Pad	Wellbore	BIG 464 5H AWB
Slot	Slot #05		

COMMENTS

Wellpath general comments

API: 47103034330000

BH Job #: 111294583

Rig: **Patterson 294**

Duration: 04/17/2022 - 04/20/2022

01_Gyrodata Cont. Gyro <12-1/4"> (115'-2389')

02_SDI MWD <8-3/4"> (2389')(2507'-6937')

03_BH AT Curve+H&P IFR1+MSA <8-1/2"> (6937')(6972'-23442')

KOP = 2550' MD / 2549.97' TVD

Tie on to SDI MWD = 6637' MD / 6463.61'TVD

Marcellus

Landing Point = 8208' MD / 7431.76' TVD

Deepest Point of Well = 13716' MD / 7474.74' TVD

Final Survey = 23442' MD / 7419.12' TVD

Projection to TD = 23467' MD / 7418.89' TVD

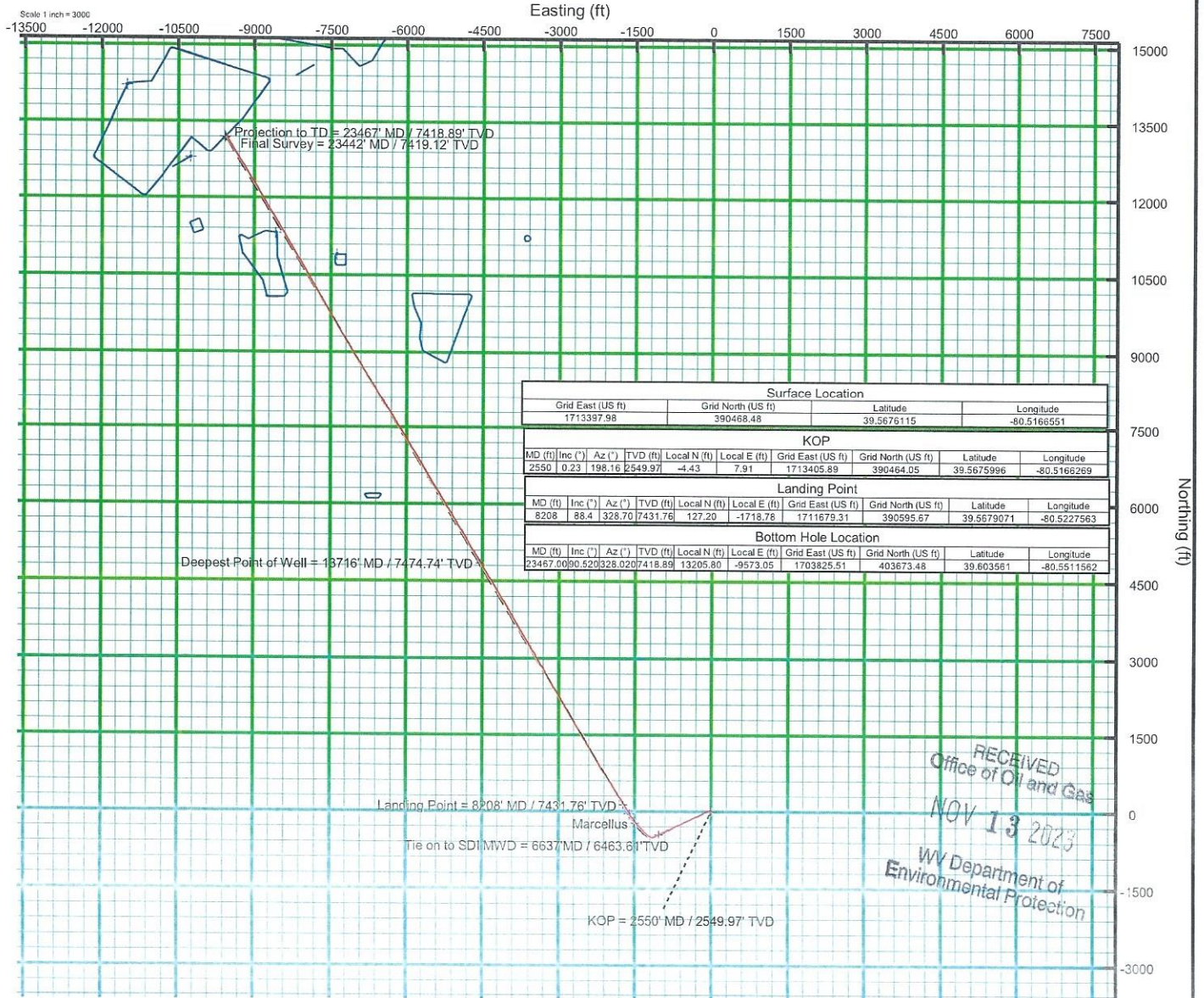
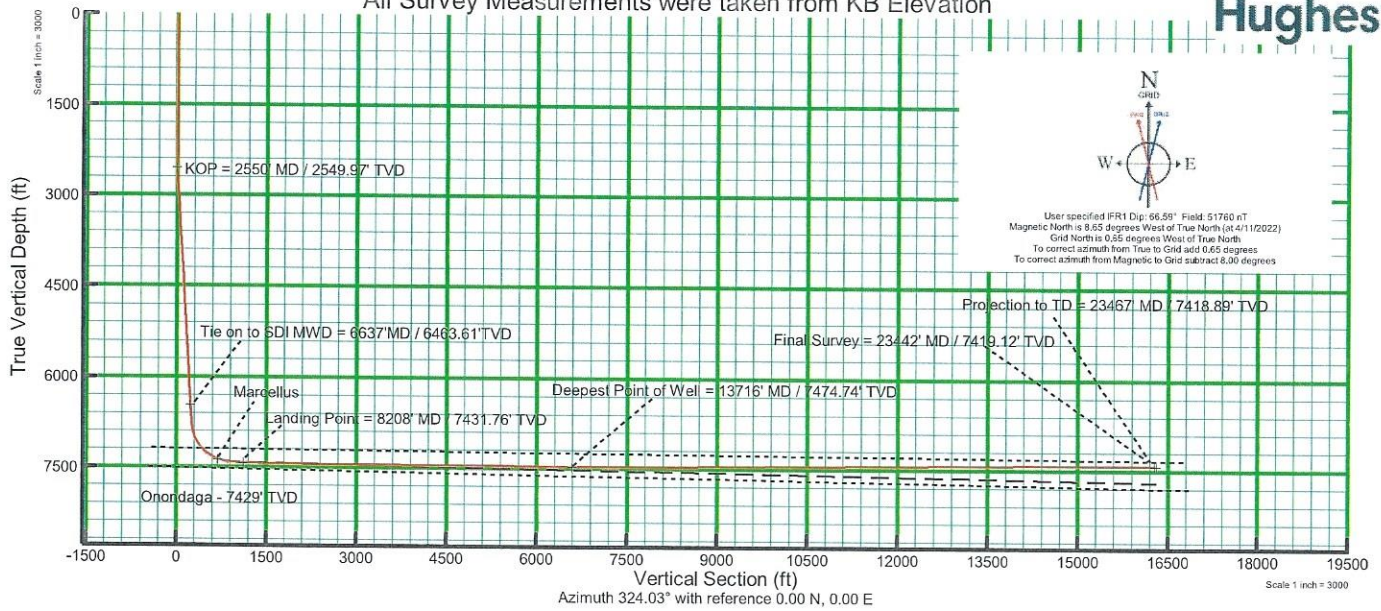
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KB Elevation=1274 FT
Ground Elevation=1246 FT

All Survey Measurements were taken from KB Elevation



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