



Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet		
North Reference	Grid		
Scale	0.999941		
Convergence at slot	0.65° West		
	Software System	WellArchitect® 6.0	
	User	Manajohj	
	Report Generated	4/25/2022 at 6:09:42 PM	
	Database	WA_MPL_EASTERNUS_Defn	

	Local coordinates			Grid coordinates			Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude		
Slot Location	58.85	-8.81	1713389.73	390481.01	39°34'3.5243"N	80°31'0.0655"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
Horizontal Reference Pt	Slot
Vertical Reference Pt	Patterson 294 (RKB)
MD Reference Pt	Patterson 294 (RKB)
Field Vertical Reference	Mean Sea Level
	Patterson 294 (RKB) to Facility Vertical Datum
	1274.00ft
	Patterson 294 (RKB) to Mean Sea Level
	1274.00ft
	Patterson 294 (RKB) to Ground Level at Slot (Slot #03)
	28.00ft
	Section Origin
	N 0.00, E 0.00 ft
	Section Azimuth
	320.63°

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Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 stations) † = interpolated, ‡ = extrapolated station

MID [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	78.570	0.00	0.00	0.00	0.00	1713389.73	390481.01	39°34'3.5243"N	80°31'0.0655"W	0.00	0.00	0.00	0.00	0.00
28.00	0.00	78.570	28.00	0.00	0.00	0.00	1713389.73	390481.01	39°34'3.5243"N	80°31'0.0655"W	0.00	0.00	0.00	0.00	0.00
115.00	0.370	78.570	115.00	-0.13	0.06	0.28	1713390.01	390481.07	39°34'3.5249"N	80°31'0.0620"W	0.28	78.570	0.43	0.43	0.00
215.00	0.370	85.870	215.00	-0.47	0.14	0.91	1713390.64	390481.15	39°34'3.5258"N	80°31'0.0538"W	0.92	81.112	0.05	0.00	7.30
315.00	0.970	41.570	314.99	-0.52	0.80	1.80	1713391.53	390481.81	39°34'3.5324"N	80°31'0.0427"W	1.97	66.024	0.75	0.60	-44.30
415.00	1.260	36.770	414.97	-0.13	2.31	3.02	1713392.75	390483.32	39°34'3.5475"N	80°31'0.0273"W	3.80	52.522	0.30	0.29	-4.80
515.00	1.470	32.550	514.94	0.54	4.28	4.37	1713394.10	390485.29	39°34'3.5671"N	80°31'0.0104"W	6.11	45.599	0.23	0.21	-4.22
615.00	1.480	32.260	614.91	1.34	6.45	5.75	1713395.47	390487.46	39°34'3.5887"N	80°30'59.9931"W	8.64	41.698	0.01	0.01	-0.29
715.00	1.290	41.710	714.88	1.92	8.38	7.18	1713396.91	390489.39	39°34'3.6080"N	80°30'59.9750"W	11.04	40.600	0.30	-0.19	9.45
815.00	2.790	92.250	814.82	0.48	9.13	10.36	1713400.09	390490.14	39°34'3.6157"N	80°30'59.9345"W	13.81	48.637	2.21	1.50	50.54
915.00	3.200	92.970	914.68	-3.02	8.89	15.58	1713405.31	390489.90	39°34'3.6139"N	80°30'59.8678"W	17.94	60.309	1.01	0.41	0.72
1015.00	2.210	98.410	1014.57	-6.32	8.46	20.28	1713410.01	390489.47	39°34'3.6102"N	80°30'59.8078"W	21.97	67.357	1.02	-0.99	5.44
1115.00	1.640	102.570	1114.52	-8.88	7.87	23.58	1713413.31	390488.88	39°34'3.6047"N	80°30'59.7655"W	24.86	71.555	0.59	-0.57	4.16
1215.00	1.350	105.180	1214.48	-10.96	7.25	26.12	1713415.84	390488.26	39°34'3.5989"N	80°30'59.7331"W	27.10	74.494	0.30	-0.29	2.61
1315.00	1.190	107.790	1314.46	-12.80	6.62	28.24	1713417.97	390487.63	39°34'3.5929"N	80°30'59.7058"W	29.01	76.808	0.17	-0.16	2.61
1415.00	1.080	106.990	1414.44	-14.45	6.03	30.13	1713419.86	390487.04	39°34'3.5873"N	80°30'59.6816"W	30.73	78.688	0.11	-0.11	-0.80
1515.00	0.870	105.920	1514.42	-15.86	5.54	31.76	1713421.49	390486.55	39°34'3.5827"N	80°30'59.6607"W	32.24	80.100	0.21	-0.21	-1.07
1615.00	0.610	106.750	1614.41	-16.93	5.18	33.00	1713422.73	390486.19	39°34'3.5792"N	80°30'59.6448"W	33.41	81.076	0.26	-0.26	0.83
1715.00	0.460	102.930	1714.41	-17.69	4.94	33.90	1713423.63	390485.95	39°34'3.5769"N	80°30'59.6333"W	34.26	81.712	0.15	-0.15	-3.82
1815.00	0.470	105.340	1814.41	-18.34	4.74	34.69	1713424.42	390485.75	39°34'3.5751"N	80°30'59.6232"W	35.01	82.219	0.02	0.01	2.41
1915.00	0.430	105.090	1914.40	-18.98	4.53	35.45	1713425.18	390485.54	39°34'3.5731"N	80°30'59.6135"W	35.74	82.711	0.04	-0.04	-0.25
2015.00	0.370	104.070	2014.40	-19.55	4.36	36.12	1713425.85	390485.37	39°34'3.5714"N	80°30'59.6049"W	36.39	83.121	0.06	-0.06	-1.02
2115.00	0.210	77.890	2114.40	-19.89	4.32	36.62	1713426.34	390485.33	39°34'3.5711"N	80°30'59.5986"W	36.87	83.274	0.20	-0.16	-26.18
2215.00	0.230	87.370	2214.40	-20.09	4.37	37.00	1713426.72	390485.38	39°34'3.5716"N	80°30'59.5937"W	37.25	83.270	0.04	0.02	9.48
2315.00	0.320	116.210	2314.40	-20.47	4.25	37.45	1713427.18	390485.26	39°34'3.5705"N	80°30'59.5880"W	37.69	83.523	0.16	0.09	28.84
2415.00	0.210	145.980	2414.40	-20.90	3.98	37.80	1713427.53	390484.99	39°34'3.5679"N	80°30'59.5834"W	38.01	83.995	0.17	-0.11	29.77
2475.00	0.160	93.060	2474.40	-21.07	3.88	37.95	1713427.67	390484.89	39°34'3.5669"N	80°30'59.5815"W	38.14	84.160	0.28	-0.08	-88.20
2503.00	0.350	178.260	2507.40	-21.18	3.78	37.99	1713427.72	390484.79	39°34'3.5659"N	80°30'59.5809"W	38.18	84.322	1.13	0.58	258.18
2551.00	0.080	257.430	2550.40	-21.27	3.64	37.97	1713427.70	390484.65	39°34'3.5645"N	80°30'59.5812"W	38.14	84.524	0.80	-0.63	184.12
2594.00	1.120	261.330	2593.39	-21.04	3.57	37.52	1713427.25	390484.58	39°34'3.5638"N	80°30'59.5869"W	37.69	84.566	2.42	2.42	9.07

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Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 stations)

Stn 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]
2637.00	2.560	273.810	2636.37	-20.17	3.57	36.15	1713425.88	390484.58	39°34'3.5637"N	80°30'59.6044"W	36.33	84.360	3.46	3.35	29.02
2680.00	4.310	276.680	2679.29	-18.35	3.82	33.59	1713423.32	390484.83	39°34'3.5659"N	80°30'59.6372"W	33.80	83.508	4.09	4.07	6.67
2723.00	5.200	278.960	2722.14	-15.73	4.31	30.06	1713419.79	390485.32	39°34'3.5703"N	80°30'59.6823"W	30.37	81.833	2.12	2.07	5.30
2767.00	5.080	278.440	2765.97	-12.80	4.91	26.16	1713415.89	390485.92	39°34'3.5758"N	80°30'59.7322"W	26.62	79.370	0.29	-0.27	-1.18
2810.00	5.070	280.590	2808.80	-9.93	5.54	22.41	1713412.14	390486.55	39°34'3.5816"N	80°30'59.7801"W	23.08	76.118	0.44	-0.02	5.00
2853.00	5.550	286.180	2851.61	-6.76	6.47	18.55	1713408.27	390487.48	39°34'3.5903"N	80°30'59.8296"W	19.64	70.775	1.64	1.12	13.00
2896.00	7.010	287.520	2894.35	-2.85	7.84	14.05	1713403.78	390488.85	39°34'3.6033"N	80°30'59.8873"W	16.08	60.842	3.41	3.40	3.12
2939.00	8.030	292.270	2936.98	1.99	9.76	8.76	1713398.49	390490.77	39°34'3.6218"N	80°30'59.9550"W	13.12	41.911	2.78	2.37	11.05
2982.00	9.320	294.180	2979.49	7.75	12.33	2.81	1713392.54	390493.34	39°34'3.6465"N	80°31'0.0314"W	12.65	12.834	3.07	3.00	4.44
3026.00	10.500	289.990	3022.83	14.39	15.16	-4.21	1713385.52	390496.17	39°34'3.6737"N	80°31'0.1214"W	15.73	344.481	3.14	2.68	-9.52
3069.00	11.480	284.890	3065.05	21.23	17.60	-12.03	1713377.70	390498.61	39°34'3.6969"N	80°31'0.2216"W	21.32	325.650	3.21	2.28	-11.86
3112.00	12.630	278.740	3107.10	28.21	19.41	-20.81	1713368.92	390500.42	39°34'3.7138"N	80°31'0.3340"W	28.46	313.011	4.01	2.67	-14.30
3155.00	13.460	270.450	3148.99	34.91	20.17	-30.46	1713359.27	390501.18	39°34'3.7202"N	80°31'0.4573"W	36.53	303.505	4.76	1.93	-19.28
3198.00	13.850	263.540	3190.78	40.91	19.63	-40.58	1713349.15	390500.64	39°34'3.7138"N	80°31'0.5865"W	45.08	295.810	3.90	0.91	-16.07
3241.00	13.850	259.910	3232.53	46.23	18.15	-60.79	1713338.97	390499.15	39°34'3.6980"N	80°31'0.7163"W	53.91	289.670	2.02	0.00	-8.44
3284.00	13.630	258.470	3274.30	51.11	16.23	-70.49	1713328.94	390497.24	39°34'3.6779"N	80°31'0.8441"W	62.92	284.949	0.95	-0.51	-3.35
3327.00	12.850	261.930	3316.16	55.96	14.55	-80.30	1713319.24	390495.56	39°34'3.6602"N	80°31'0.9928"W	71.98	281.660	2.59	-1.81	8.05
3371.00	13.040	268.500	3359.04	61.55	13.73	-80.30	1713309.44	390494.74	39°34'3.6510"N	80°31'1.0928"W	81.46	279.703	3.37	0.43	14.93
3414.00	13.630	273.310	3400.88	67.96	13.90	-90.21	1713299.53	390494.91	39°34'3.6516"N	80°31'1.2193"W	91.27	278.757	2.92	1.37	11.19
3457.00	15.060	274.930	3442.54	75.30	14.67	-100.83	1713288.90	390495.68	39°34'3.6580"N	80°31'1.3551"W	101.89	278.277	3.45	3.33	3.77
3500.00	16.710	277.080	3483.90	83.68	15.91	-112.53	1713277.20	390496.92	39°34'3.6690"N	80°31'1.5046"W	113.65	278.048	4.07	3.84	5.00
3543.00	18.810	275.780	3524.85	93.08	17.37	-125.57	1713264.17	390498.38	39°34'3.6820"N	80°31'1.6713"W	126.76	277.876	4.97	4.88	-3.02
3586.00	20.070	274.530	3565.39	103.11	18.65	-139.82	1713249.92	390499.66	39°34'3.6930"N	80°31'1.8534"W	141.06	277.598	3.09	2.93	-2.91
3629.00	21.620	272.700	3605.58	113.53	19.61	-155.09	1713234.65	390500.62	39°34'3.7008"N	80°31'2.0485"W	156.32	277.206	3.91	3.60	-4.26
3673.00	22.750	271.650	3646.32	124.55	20.23	-171.69	1713218.05	390501.24	39°34'3.7051"N	80°31'2.2606"W	172.88	276.722	2.72	2.57	-2.39
3716.00	24.110	268.760	3685.78	135.43	20.28	-188.78	1713200.96	390501.29	39°34'3.7037"N	80°31'2.4788"W	189.87	276.133	4.14	3.16	-6.72
3759.00	25.530	268.090	3724.80	146.49	19.79	-206.82	1713182.92	390500.79	39°34'3.6967"N	80°31'2.7091"W	207.77	275.464	3.37	3.30	-1.56
3802.00	27.270	264.920	3763.32	157.68	18.60	-225.90	1713163.84	390499.61	39°34'3.6829"N	80°31'2.9525"W	226.66	274.708	5.21	4.05	-7.37
3845.00	28.770	262.940	3801.28	168.76	16.46	-245.98	1713143.76	390497.47	39°34'3.6595"N	80°31'3.2087"W	246.53	273.828	4.10	3.49	-4.60
3888.00	29.290	259.380	3838.90	179.33	13.25	-266.56	1713123.18	390494.26	39°34'3.6255"N	80°31'3.4710"W	266.89	272.847	4.13	1.00	-8.28

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Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
3931.00	29.590	256.810	3876.36	189.06	8.90	-287.21	1713102.54	390489.91	39°34'3.5801"N	80°31'3.7340"W	287.35	271.775	3.07	0.91	-5.98
3974.00	29.740	254.620	3913.73	198.08	3.65	-307.83	1713081.92	390484.66	39°34'3.5259"N	80°31'3.9965"W	307.85	270.679	2.54	0.35	-5.09
4018.00	28.930	250.410	3952.09	206.12	-2.82	-328.38	1713061.37	390478.19	39°34'3.4598"N	80°31'4.2580"W	328.39	269.509	5.03	-1.84	-9.57
4061.00	27.470	248.760	3989.98	212.73	-9.90	-347.43	1713042.33	390471.11	39°34'3.3876"N	80°31'4.5001"W	347.57	268.368	3.85	-3.40	-3.84
4104.00	26.280	246.080	4028.34	218.35	-17.35	-365.37	1713024.38	390463.66	39°34'3.3120"N	80°31'4.7282"W	365.78	267.281	3.95	-2.77	-6.23
4147.00	25.860	245.440	4066.97	223.29	-25.11	-382.60	1713007.15	390455.90	39°34'3.2334"N	80°31'4.9471"W	383.43	266.246	1.18	-0.98	-1.49
4196.00	25.310	244.770	4111.16	228.58	-34.01	-401.80	1712987.96	390447.00	39°34'3.1432"N	80°31'5.1909"W	403.24	265.161	1.27	-1.12	-1.37
4233.00	26.260	243.580	4144.48	232.34	-41.03	-416.28	1712973.47	390439.99	39°34'3.0723"N	80°31'5.3748"W	418.30	264.371	2.92	2.57	-3.22
4276.00	27.740	245.330	4182.79	237.01	-49.44	-433.90	1712955.86	390431.58	39°34'2.9872"N	80°31'5.5985"W	436.71	263.500	3.91	3.44	4.07
4319.00	28.340	245.630	4220.74	242.20	-57.83	-452.29	1712937.47	390423.19	39°34'2.9022"N	80°31'5.8321"W	455.97	262.714	1.43	1.40	0.70
4362.00	29.380	247.230	4258.40	247.85	-66.12	-471.31	1712918.45	390414.89	39°34'2.8181"N	80°31'6.0738"W	475.93	262.014	3.01	2.42	3.72
4405.00	30.210	247.470	4295.72	254.00	-74.35	-491.03	1712898.73	390406.67	39°34'2.7346"N	80°31'6.3244"W	496.63	261.390	1.95	1.93	0.56
4448.00	30.370	246.220	4332.85	260.05	-82.88	-510.97	1712878.79	390398.14	39°34'2.6481"N	80°31'6.5777"W	517.65	260.787	1.51	0.37	-2.91
4491.00	30.190	244.920	4369.98	265.64	-91.84	-530.71	1712859.05	390389.17	39°34'2.5573"N	80°31'6.8285"W	538.60	260.182	1.58	-0.40	-3.02
4534.00	30.020	243.120	4407.18	270.64	-101.29	-550.10	1712839.67	390379.73	39°34'2.4618"N	80°31'7.0746"W	559.35	259.567	2.14	-0.40	-4.19
4621.00	29.740	247.400	4482.63	281.57	-119.42	-589.44	1712800.33	390361.59	39°34'2.2781"N	80°31'7.5743"W	601.41	258.547	2.47	-0.32	4.92
4707.00	29.860	248.620	4557.25	294.34	-135.42	-629.06	1712760.70	390345.59	39°34'2.1155"N	80°31'8.0780"W	643.48	257.851	0.72	0.14	1.42
4793.00	30.400	249.110	4631.63	307.85	-150.99	-669.33	1712720.44	390330.03	39°34'1.9572"N	80°31'8.5898"W	686.15	257.288	0.69	0.63	0.57
4879.00	31.590	249.250	4705.35	321.94	-166.73	-710.72	1712679.05	390314.29	39°34'1.7970"N	80°31'9.1161"W	730.02	256.798	1.39	1.38	0.16
4966.00	32.510	247.630	4779.09	336.05	-183.70	-753.65	1712636.12	390297.32	39°34'1.6245"N	80°31'9.6618"W	775.72	256.302	1.45	1.06	-1.86
5043.00	32.790	246.990	4843.93	347.97	-199.73	-791.98	1712597.80	390281.30	39°34'1.4618"N	80°31'10.1488"W	816.78	255.846	0.58	0.36	-0.83
5129.00	34.200	245.540	4915.64	360.75	-218.84	-835.42	1712554.36	390262.19	39°34'1.2681"N	80°31'10.7007"W	863.60	255.321	1.89	1.64	-1.69
5216.00	33.510	245.370	4987.89	373.15	-238.97	-879.51	1712510.28	390242.05	39°34'1.0642"N	80°31'11.2607"W	911.39	254.799	0.80	-0.79	-0.20
5302.00	32.400	242.060	5060.06	383.76	-259.66	-921.44	1712468.34	390221.36	39°34'0.8560"N	80°31'11.7931"W	957.33	254.262	2.46	-1.29	-3.85
5388.00	30.990	241.220	5133.23	392.40	-281.12	-961.21	1712428.58	390199.91	39°34'0.6385"N	80°31'12.2977"W	1001.47	253.698	1.72	-1.64	-0.98
5474.00	31.200	241.950	5206.88	400.84	-302.25	-1000.27	1712389.52	390178.78	39°34'0.4252"N	80°31'12.7934"W	1044.94	253.187	0.50	0.24	0.85
5560.00	31.060	240.710	5280.49	409.09	-323.58	-1039.28	1712350.51	390157.45	39°34'0.2101"N	80°31'13.2884"W	1088.49	252.706	0.76	-0.16	-1.44
5647.00	31.020	243.040	5355.04	417.84	-344.72	-1078.84	1712310.96	390136.31	39°33'59.9967"N	80°31'13.7904"W	1132.57	252.280	1.38	-0.05	2.68
5733.00	31.680	242.990	5428.48	427.44	-365.03	-1118.71	1712271.09	390116.01	39°33'59.7916"N	80°31'14.2965"W	1176.75	251.929	0.77	0.77	-0.06
5819.00	33.500	243.090	5500.94	437.39	-386.03	-1159.99	1712229.81	390095.01	39°33'59.5794"N	80°31'14.8206"W	1222.54	251.593	2.12	2.12	0.12



Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 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]
5905.00	33.790	245.210	5572.53	448.53	-406.79	-1202.87	1712186.93	390074.24	39°33'59.3693"N	80°31'15.3651"W	1269.79	251.315	1.41	0.34	2.47
5992.00	34.810	245.020	5644.40	460.79	-427.43	-1247.34	1712142.46	390053.61	39°33'59.1604"N	80°31'15.9299"W	1318.54	251.085	1.18	1.17	-0.22
6078.00	34.340	243.160	5715.22	472.16	-448.74	-1291.24	1712098.57	390032.29	39°33'58.9448"N	80°31'16.4873"W	1366.99	250.836	1.34	-0.55	-2.16
6164.00	35.320	243.020	5785.81	482.75	-470.98	-1335.04	1712054.77	390010.06	39°33'58.7202"N	80°31'17.0433"W	1415.68	250.568	1.14	1.14	-0.16
6250.00	34.500	244.430	5856.33	493.90	-492.77	-1379.16	1712010.65	389988.27	39°33'58.4999"N	80°31'17.6035"W	1464.55	250.338	1.34	-0.95	1.64
6337.00	33.360	249.100	5928.53	507.36	-511.94	-1423.74	1711966.07	389969.10	39°33'58.3054"N	80°31'18.1700"W	1512.99	250.223	3.27	-1.31	5.37
6423.00	32.710	248.200	6000.63	521.86	-529.00	-1467.41	1711922.41	389952.04	39°33'58.1319"N	80°31'18.7250"W	1559.85	250.176	0.95	-0.76	-1.05
6509.00	30.980	245.250	6073.68	534.46	-546.90	-1509.09	1711880.73	389934.14	39°33'57.9503"N	80°31'19.2700"W	1605.13	250.079	2.71	-2.01	-3.43
6595.00	31.210	243.970	6148.18	545.32	-566.17	-1549.68	1711840.14	389914.88	39°33'57.7553"N	80°31'19.7700"W	1649.87	249.930	0.80	0.26	-1.47
6682.00	30.890	244.310	6221.86	555.68	-585.52	-1589.60	1711800.23	389895.53	39°33'57.5596"N	80°31'20.2769"W	1694.00	249.779	0.42	-0.37	0.40
6768.00	30.890	245.100	6295.66	566.42	-604.38	-1629.51	1711760.32	389876.67	39°33'57.3687"N	80°31'20.7838"W	1737.98	249.650	0.47	0.00	0.92
6845.00	31.940	247.310	6362.23	577.34	-620.77	-1666.71	1711723.12	389860.28	39°33'57.2025"N	80°31'21.2564"W	1778.56	249.572	2.00	1.35	2.83
6932.00	30.720	245.060	6435.69	589.35	-638.81	-1707.62	1711682.21	389842.24	39°33'56.8335"N	80°31'22.2745"W	1823.20	249.490	1.97	-1.42	-2.62
7018.00	30.910	245.200	6509.97	600.02	-657.20	-1746.87	1711642.97	389823.85	39°33'56.6451"N	80°31'22.7805"W	1866.40	249.383	1.08	-1.06	-0.40
7105.00	30.660	244.230	6585.04	610.91	-675.81	-1786.71	1711603.13	389805.24	39°33'56.4549"N	80°31'23.2859"W	1910.25	249.281	1.29	1.26	0.55
7191.00	30.670	244.230	6658.92	621.62	-694.61	-1826.51	1711563.33	389786.44	39°33'56.2557"N	80°31'23.7926"W	1954.13	249.179	0.65	-0.29	-1.13
7277.00	31.670	243.250	6732.51	631.71	-714.30	-1866.42	1711523.43	389766.75	39°33'56.1541"N	80°31'24.0491"W	1998.43	249.057	1.31	1.17	-1.14
7320.00	31.660	243.830	6769.11	636.76	-724.36	-1886.62	1711503.22	389756.69	39°33'55.9384"N	80°31'24.5879"W	2020.90	248.996	0.71	-0.02	1.35
7409.00	32.860	242.790	6844.37	647.18	-745.70	-1929.06	1711460.79	389735.35	39°33'55.6754"N	80°31'25.4113"W	2068.18	248.865	4.57	1.35	-1.17
7538.00	32.880	253.670	6952.81	668.27	-771.57	-1993.85	1711396.01	389709.48	39°33'55.5642"N	80°31'26.0710"W	2137.93	248.845	4.57	0.02	8.43
7633.00	34.970	262.820	7031.69	692.88	-782.24	-2045.64	1711344.21	389698.82	39°33'55.5639"N	80°31'26.7850"W	2190.10	249.074	5.80	2.20	9.63
7728.00	37.710	277.940	7108.36	728.82	-781.62	-2101.55	1711288.30	389699.43	39°33'55.7413"N	80°31'27.5260"W	2242.20	249.598	9.84	2.88	15.92
7823.00	42.760	296.740	7181.13	779.89	-763.02	-2159.38	1711230.48	389718.04	39°33'55.1081"N	80°31'28.2590"W	2290.22	250.539	13.79	5.32	19.79
7918.00	49.830	309.580	7246.87	845.22	-725.25	-2216.35	1711173.51	389755.80	39°33'56.1081"N	80°31'29.0395"W	2332.00	251.880	12.26	7.44	13.52
8013.00	56.410	304.650	7303.88	919.00	-679.56	-2276.97	1711129.90	389801.49	39°33'56.5528"N	80°31'29.9050"W	2376.21	253.382	8.07	6.93	-5.19
8108.00	63.170	305.250	7351.65	998.00	-632.55	-2344.21	1711045.66	389848.50	39°33'57.0099"N	80°31'30.7910"W	2428.05	254.899	7.14	7.12	0.63
8203.00	71.620	311.060	7388.16	1083.53	-578.34	-2412.99	1710976.89	389902.71	39°33'57.5379"N	80°31'30.7910"W	2481.33	256.522	10.53	8.89	6.12
8299.00	77.400	314.840	7413.80	1175.16	-515.31	-2480.63	1710909.25	389965.73	39°33'58.1531"N	80°31'31.6639"W	2533.59	258.265	7.12	6.02	3.94
8394.00	82.190	320.090	7430.63	1268.46	-446.44	-2543.78	1710846.11	390034.60	39°33'58.8266"N	80°31'32.4801"W	2582.65	260.046	7.42	5.04	5.53
8489.00	87.910	328.700	7438.84	1362.77	-369.57	-2598.78	1710791.11	390111.46	39°33'59.5800"N	80°31'33.1936"W	2624.93	261.906	10.85	6.02	9.06

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Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 stations)

Stn 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]
8504.00	89.540	328.260	7440.96	1456.85	-288.61	-2648.43	1710741.46	390192.41	39°34'0.3745"N	80°31'33.8393"W	2664.11	263.781	1.78	1.72	-0.46
8679.00	89.350	329.510	7441.88	1550.86	-207.29	-2697.52	1710692.38	390273.74	39°34'1.1727"N	80°31'34.4780"W	2705.47	265.606	1.33	-0.20	1.32
8774.00	89.140	329.940	7443.13	1644.66	-125.25	-2745.41	1710644.49	390355.77	39°34'1.9780"N	80°31'35.1014"W	2748.26	267.388	0.50	-0.22	0.45
8869.00	88.770	329.010	7444.86	1738.51	-43.43	-2793.65	1710596.25	390437.58	39°34'2.7811"N	80°31'35.7293"W	2793.99	269.109	1.05	-0.39	-0.98
8964.00	90.220	332.170	7445.70	1832.06	39.31	-2840.29	1710549.61	390520.32	39°34'3.5936"N	80°31'36.3369"W	2840.56	270.793	3.66	1.53	3.33
9059.00	90.220	327.010	7445.33	1925.87	121.21	-2888.36	1710501.54	390602.21	39°34'4.3975"N	80°31'36.9627"W	2890.91	272.403	5.43	0.00	-5.43
9154.00	87.750	329.520	7447.02	2020.00	201.98	-2938.32	1710451.59	390682.98	39°34'5.1901"N	80°31'37.6123"W	2945.25	273.932	3.71	-2.60	2.64
9249.00	88.860	334.380	7449.83	2113.08	285.76	-2982.96	1710406.95	390766.75	39°34'6.0130"N	80°31'38.1945"W	2996.61	275.472	5.25	1.17	5.12
9344.00	92.280	332.850	7448.88	2205.63	370.85	-3025.16	1710364.75	390851.83	39°34'6.8491"N	80°31'38.7458"W	3047.81	276.989	3.94	3.60	-1.61
9439.00	92.160	326.030	7445.20	2299.38	452.54	-3073.40	1710316.52	390933.52	39°34'7.6510"N	80°31'39.3737"W	3106.54	278.376	7.17	-0.13	-7.18
9534.00	87.780	324.850	7445.25	2394.02	530.76	-3127.28	1710262.64	391011.73	39°34'8.4179"N	80°31'40.0730"W	3172.00	279.632	4.77	-4.61	-1.24
9629.00	87.480	330.380	7449.18	2488.20	610.88	-3178.10	1710211.83	391091.85	39°34'9.2040"N	80°31'40.7336"W	3236.28	280.880	5.82	-0.32	5.82
9724.00	90.370	332.170	7450.96	2581.53	694.16	-3223.74	1710166.19	391175.13	39°34'10.0219"N	80°31'41.3286"W	3297.63	282.152	3.58	3.04	1.88
9819.00	88.610	327.790	7451.81	2675.24	776.39	-3271.25	1710118.68	391257.35	39°34'10.8291"N	80°31'41.9473"W	3362.12	283.351	4.97	-1.85	-4.61
9914.00	89.720	331.080	7453.19	2769.10	858.17	-3319.55	1710070.38	391339.13	39°34'11.6319"N	80°31'42.5759"W	3428.68	284.495	3.65	1.17	3.46
10009.00	88.680	329.330	7454.52	2862.76	940.60	-3366.75	1710023.19	391421.55	39°34'12.4411"N	80°31'43.1906"W	3495.67	285.609	2.14	-1.09	-1.84
10104.00	90.890	329.760	7454.88	2956.61	1022.49	-3414.90	1709975.04	391503.43	39°34'13.2449"N	80°31'43.8174"W	3564.69	286.669	2.37	2.33	0.45
10198.00	88.490	324.630	7455.38	3049.95	1101.46	-3465.80	1709924.14	391582.41	39°34'14.0197"N	80°31'44.4790"W	3636.62	287.631	6.02	-2.55	-5.46
10293.00	86.800	330.100	7459.29	3144.18	1181.36	-3516.97	1709872.97	391662.30	39°34'14.8035"N	80°31'45.1440"W	3710.08	288.567	6.02	-1.78	5.76
10389.00	90.950	333.410	7461.18	3238.32	1265.89	-3562.38	1709827.57	391746.82	39°34'15.6336"N	80°31'45.7362"W	3780.61	289.563	5.53	4.32	3.45
10484.00	92.030	329.630	7458.70	3331.56	1349.34	-3607.65	1709782.30	391830.27	39°34'16.4533"N	80°31'46.3265"W	3851.74	290.507	4.14	1.14	-3.98
10579.00	89.420	327.180	7457.91	3425.66	1430.24	-3657.41	1709732.54	391911.17	39°34'17.2472"N	80°31'46.9737"W	3927.12	291.358	3.77	-2.75	-2.58
10674.00	90.090	331.750	7457.91	3519.51	1512.05	-3705.66	1709684.29	391992.96	39°34'18.0501"N	80°31'47.6018"W	4002.28	292.197	4.86	0.71	4.81
10769.00	91.260	328.140	7456.79	3613.23	1594.25	-3753.23	1709636.73	392075.17	39°34'18.8571"N	80°31'48.2213"W	4077.79	293.014	3.99	1.23	-3.80
10864.00	88.550	327.250	7456.96	3707.50	1674.54	-3804.00	1709585.97	392155.45	39°34'19.6448"N	80°31'48.8812"W	4156.26	293.759	3.00	-2.85	-0.94
10959.00	90.550	333.170	7457.69	3801.13	1756.94	-3851.17	1709538.80	392237.85	39°34'20.4538"N	80°31'49.4957"W	4233.01	294.523	6.58	2.11	6.23
11054.00	90.950	328.030	7456.45	3894.65	1839.67	-3897.78	1709492.18	392320.57	39°34'21.2661"N	80°31'50.1030"W	4310.12	295.266	5.43	0.42	-5.41
11149.00	88.430	327.910	7456.96	3988.87	1920.20	-3948.16	1709441.81	392401.10	39°34'22.0563"N	80°31'50.7581"W	4390.35	295.936	2.66	-2.65	-0.13
11244.00	88.740	328.010	7459.31	4083.06	2000.71	-3998.55	1709391.43	392481.60	39°34'22.8462"N	80°31'51.4133"W	4471.15	296.581	0.34	0.33	0.11
11339.00	87.720	328.300	7462.24	4177.20	2081.37	-4048.65	1709341.33	392562.25	39°34'23.6376"N	80°31'52.0648"W	4552.32	297.207	1.12	-1.07	0.31



Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 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]
11434.00	89.450	327.440	7464.59	4271.41	2161.79	-4099.15	1709290.82	392642.67	39°34'24.4267"N	80°31'52.7216"W	4634.26	297.806	2.03	1.82	-0.91
11529.00	89.110	328.330	7465.78	4365.64	2242.25	-4149.65	1709240.33	392723.12	39°34'25.2160"N	80°31'53.3782"W	4716.70	298.384	1.00	-0.36	0.94
11624.00	88.860	328.180	7467.47	4459.78	2323.02	-4199.63	1709190.36	392803.89	39°34'26.0086"N	80°31'54.0282"W	4799.30	298.949	0.31	-0.26	-0.16
11719.00	88.620	327.450	7469.55	4554.01	2403.40	-4250.22	1709139.77	392884.27	39°34'26.7973"N	80°31'54.6860"W	4882.69	299.487	0.81	-0.25	-0.77
11813.00	91.170	327.380	7469.73	4647.35	2482.60	-4300.84	1709089.15	392963.46	39°34'27.5742"N	80°31'55.3440"W	4965.93	299.995	2.71	2.71	-0.07
11908.00	87.940	328.650	7470.46	4741.54	2563.16	-4351.15	1709038.84	393044.02	39°34'28.3647"N	80°31'55.9983"W	5049.98	300.501	3.65	-3.40	1.34
12003.00	91.350	326.480	7471.05	4835.82	2643.32	-4402.09	1708987.91	393124.17	39°34'29.1511"N	80°31'56.6606"W	5134.74	300.984	4.25	3.59	-2.28
12098.00	87.820	327.900	7471.74	4930.18	2723.15	-4453.56	1708936.44	393204.00	39°34'29.9341"N	80°31'57.3295"W	5220.13	301.444	4.01	-3.72	1.49
12193.00	91.200	327.810	7472.55	5024.41	2803.57	-4504.09	1708885.91	393284.41	39°34'30.7232"N	80°31'57.9866"W	5305.36	301.900	3.56	3.56	-0.09
12287.00	90.220	328.050	7471.39	5117.64	2883.22	-4554.00	1708836.06	393364.06	39°34'31.5046"N	80°31'58.6356"W	5389.98	302.339	1.07	-1.04	0.26
12382.00	90.060	328.110	7471.16	5211.84	2963.86	-4604.23	1708785.78	393444.69	39°34'32.2958"N	80°31'59.2888"W	5475.71	302.770	0.18	-0.17	0.06
12477.00	89.660	328.710	7471.39	5305.96	3044.78	-4653.99	1708736.02	393525.60	39°34'33.0899"N	80°31'59.9362"W	5561.50	303.194	0.76	-0.42	0.63
12572.00	90.620	328.070	7471.16	5400.09	3125.68	-4703.78	1708686.23	393606.50	39°34'33.8837"N	80°32'0.5839"W	5647.61	303.604	1.21	1.31	-0.67
12667.00	89.260	328.300	7471.26	5494.26	3206.41	-4753.87	1708636.15	393687.22	39°34'34.6758"N	80°32'1.2353"W	5734.13	303.999	1.45	-1.43	0.24
12762.00	91.320	333.120	7470.78	5587.76	3289.23	-4800.33	1708589.70	393770.04	39°34'35.4891"N	80°32'1.8408"W	5819.12	304.419	5.52	2.17	5.07
12858.00	90.550	328.840	7469.21	5682.17	3373.15	-4846.88	1708543.14	393853.95	39°34'36.3131"N	80°32'2.4476"W	5905.11	304.836	4.53	-0.80	-4.46
12953.00	89.050	330.350	7469.54	5776.00	3455.08	-4894.96	1708495.07	393935.88	39°34'37.1173"N	80°32'3.0736"W	5991.51	305.216	2.24	-1.58	1.59
13048.00	88.430	328.980	7471.63	5869.80	3537.05	-4942.92	1708447.11	394017.84	39°34'37.9219"N	80°32'3.6982"W	6078.09	305.587	1.58	-0.65	-1.44
13143.00	90.180	330.660	7472.78	5963.56	3619.16	-4990.68	1708399.36	394099.95	39°34'38.7279"N	80°32'4.3200"W	6164.83	305.949	2.55	1.84	1.77
13238.00	89.940	332.360	7472.68	6056.85	3702.65	-5035.99	1708354.05	394183.44	39°34'39.5479"N	80°32'4.9110"W	6250.67	306.325	1.81	-0.25	1.79
13333.00	89.450	329.160	7473.19	6150.36	3785.53	-5082.39	1708307.65	394266.31	39°34'40.3617"N	80°32'5.5157"W	6337.27	306.680	3.41	-0.52	-3.37
13428.00	89.660	331.420	7473.93	6244.00	3868.04	-5129.47	1708260.58	394348.81	39°34'41.1717"N	80°32'6.1290"W	6424.42	307.019	2.39	0.22	2.38
13523.00	90.680	328.520	7473.64	6337.73	3950.28	-5177.00	1708213.04	394431.05	39°34'41.9790"N	80°32'6.7482"W	6511.99	307.345	3.24	1.07	-3.05
13618.00	89.110	326.000	7473.82	6432.08	4030.17	-5228.37	1708161.67	394510.94	39°34'42.7627"N	80°32'7.4160"W	6601.38	307.626	3.13	-1.65	-2.65
13713.00	88.830	331.360	7475.53	6526.10	4111.29	-5277.73	1708112.32	394592.05	39°34'43.5587"N	80°32'8.0582"W	6690.08	307.918	5.65	-0.29	5.64
13808.00	90.060	327.830	7476.45	6619.92	4193.20	-5325.80	1708064.25	394673.96	39°34'44.3628"N	80°32'8.6841"W	6778.43	308.215	3.93	1.29	-3.72
13903.00	87.720	328.720	7478.29	6714.05	4273.99	-5375.74	1708014.31	394754.74	39°34'45.1555"N	80°32'9.3338"W	6867.72	308.486	2.64	-2.46	0.94
13998.00	90.580	330.200	7479.70	6807.90	4355.79	-5424.00	1707966.05	394836.53	39°34'45.9584"N	80°32'9.9622"W	6956.49	308.766	3.39	3.01	1.56
14093.00	89.290	331.830	7479.80	6901.34	4438.89	-5470.04	1707920.02	394919.63	39°34'46.7743"N	80°32'10.5623"W	7044.50	309.059	2.19	-1.36	1.72
14188.00	92.190	331.070	7478.58	6994.63	4522.32	-5515.43	1707874.63	395003.05	39°34'47.5937"N	80°32'11.1543"W	7132.41	309.350	3.16	3.05	-0.80

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REFERENCE WELLPATH IDENTIFICATION

Operator	ECT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot#03		

WELLBORE DATA (280 stations)

Station	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]
14283.00	0.800	327.480	7476.10	7088.50	4603.94	-5563.94	1707826.12	395084.67	39°34'48.3948"N	80°32'11.7858"W	7221.75	309.606	4.05	-1.46	-3.78
14377.00	0.770	327.810	7476.45	7181.79	4683.34	-5614.25	1707775.83	395164.07	39°34'49.1737"N	80°32'12.4399"W	7311.19	309.834	2.19	-2.16	0.35
14473.00	0.090	328.260	7477.41	7276.98	4764.78	-5665.06	1707725.01	395245.50	39°34'49.9727"N	80°32'13.1009"W	7402.44	310.067	1.45	1.38	0.47
14568.00	0.580	328.180	7476.52	7371.15	4845.53	-5715.09	1707674.98	395326.25	39°34'50.7651"N	80°32'13.7517"W	7492.76	310.293	0.94	0.94	-0.06
14663.00	0.310	328.470	7475.45	7465.28	4926.37	-5764.98	1707625.10	395407.08	39°34'51.5583"N	80°32'14.4007"W	7583.15	310.515	0.77	-0.71	0.31
14758.00	0.910	327.980	7475.27	7559.45	5007.13	-5815.00	1707575.08	395487.84	39°34'52.3507"N	80°32'15.0514"W	7673.70	310.731	0.67	-0.42	-0.52
14853.00	0.720	326.900	7475.57	7653.78	5087.20	-5866.13	1707523.96	395567.90	39°34'53.1362"N	80°32'15.7162"W	7764.73	310.932	1.15	-0.20	-1.14
14948.00	0.600	327.330	7475.14	7748.17	5166.98	-5917.71	1707472.38	395647.67	39°34'53.9187"N	80°32'16.3867"W	7856.01	311.125	1.22	1.14	0.45
15043.00	0.970	329.280	7474.50	7842.31	5247.80	-5967.62	1707422.48	395728.49	39°34'54.7117"N	80°32'17.0360"W	7946.81	311.328	2.23	-0.87	2.05
15138.00	0.690	328.430	7474.79	7936.33	5329.11	-6016.75	1707373.35	395809.79	39°34'55.5096"N	80°32'17.6754"W	8037.45	311.532	0.94	-0.29	-0.89
15233.00	0.900	330.010	7474.23	8030.26	5410.72	-6065.36	1707324.74	395891.40	39°34'56.3106"N	80°32'18.3083"W	8128.01	311.735	2.15	1.36	1.60
15328.00	0.510	327.070	7473.82	8124.34	5491.74	-6114.93	1707275.17	395972.42	39°34'57.1057"N	80°32'18.9534"W	8218.98	311.927	3.46	-1.55	-3.09
15423.00	0.690	332.150	7474.49	8218.14	5573.66	-6162.98	1707227.13	396054.33	39°34'57.9097"N	80°32'19.5790"W	8309.51	312.126	5.35	0.19	5.35
15518.00	0.190	331.770	7473.14	8311.28	5657.50	-6207.63	1707182.48	396138.16	39°34'58.7331"N	80°32'20.1616"W	8398.92	312.345	2.40	2.37	-0.40
15613.00	0.350	329.050	7472.07	8404.87	5740.09	-6254.53	1707135.58	396220.75	39°34'59.5440"N	80°32'20.7728"W	8489.27	312.544	3.95	-2.73	-2.86
15708.00	0.120	332.720	7472.51	8498.34	5823.07	-6300.74	1707089.37	396303.72	39°35'0.3587"N	80°32'21.3753"W	8579.48	312.744	3.95	0.81	3.86
15801.00	0.320	331.860	7472.98	8592.35	5908.05	-6345.38	1707044.74	396388.71	39°35'1.1935"N	80°32'21.9579"W	8670.00	312.956	1.22	-0.83	-0.90
15898.00	0.1420	334.240	7472.37	8684.14	5991.83	-6387.98	1707002.14	396472.48	39°35'2.0166"N	80°32'22.5143"W	8758.33	313.167	3.38	2.23	2.53
15993.00	0.800	330.640	7470.53	8777.10	6076.02	-6431.91	1706958.21	396556.66	39°35'2.8436"N	80°32'23.0879"W	8848.03	313.370	3.84	-0.65	-3.79
16088.00	0.8920	332.880	7470.76	8870.30	6159.71	-6476.86	1706913.26	396640.34	39°35'3.6655"N	80°32'23.6743"W	8938.22	313.562	3.08	-1.98	2.36
16183.00	0.1200	331.010	7470.66	8963.44	6243.54	-6521.54	1706868.59	396724.17	39°35'4.4888"N	80°32'24.2572"W	9028.41	313.752	3.10	2.40	-1.97
16278.00	0.830	327.500	7468.98	9057.34	6325.16	-6570.09	1706820.04	396805.78	39°35'5.2899"N	80°32'24.8894"W	9119.96	313.912	3.71	-0.39	-3.69
16373.00	0.550	324.510	7467.83	9151.90	6403.91	-6623.19	1706766.94	396884.53	39°35'6.0620"N	80°32'25.5793"W	9212.85	314.036	3.16	-0.29	-3.15
16467.00	0.400	325.170	7467.05	9245.65	6480.75	-6677.32	1706712.81	396961.37	39°35'6.8153"N	80°32'26.2819"W	9305.20	314.144	0.72	-0.16	0.70
16562.00	0.650	325.600	7466.18	9340.31	6558.93	-6731.28	1706658.85	397039.54	39°35'7.5817"N	80°32'26.9827"W	9398.39	314.257	0.52	0.26	0.45
16657.00	0.1510	325.750	7464.39	9434.93	6637.37	-6784.84	1706605.30	397117.98	39°35'8.3508"N	80°32'27.6783"W	9491.51	314.371	0.92	0.91	0.16
16752.00	0.9750	324.820	7463.35	9529.60	6715.45	-6838.94	1706551.21	397196.06	39°35'9.1162"N	80°32'28.3808"W	9584.80	314.478	2.10	-1.85	-0.98
16847.00	0.9780	324.740	7463.74	9624.35	6793.06	-6893.73	1706496.42	397273.66	39°35'9.8769"N	80°32'29.0920"W	9678.28	314.579	0.09	0.03	-0.06
16942.00	0.1080	329.880	7463.02	9718.67	6872.98	-6945.02	1706445.13	397353.58	39°35'10.6609"N	80°32'29.7589"W	9770.94	314.701	5.58	1.37	5.41
17037.00	0.1350	327.250	7461.01	9812.73	6954.02	-6994.55	1706395.61	397434.60	39°35'11.4560"N	80°32'30.4035"W	9863.17	314.834	2.78	0.28	-2.77



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELL PATH DATA (280 stations)

Mid (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)
17131.00	90.090	327.660	7459.83	9906.06	7033.25	-7045.11	1706345.05	397513.83	39°35'12.2332"N	80°32'31.0610"W	9954.91	314.952	1.41	-1.34	0.44
17226.00	90.550	328.360	7459.30	10000.27	7113.82	-7095.44	1706294.72	397594.40	39°35'13.0237"N	80°32'31.7157"W	10047.47	315.074	0.88	0.48	0.74
17321.00	90.250	328.540	7458.63	10094.38	7194.77	-7145.14	1706245.02	397675.35	39°35'13.8180"N	80°32'32.3626"W	10139.91	315.198	0.37	-0.32	0.19
17416.00	90.220	328.080	7458.25	10188.53	7275.61	-7195.05	1706195.12	397756.18	39°35'14.6112"N	80°32'33.0119"W	10232.46	315.319	0.49	-0.03	-0.48
17512.00	90.220	328.220	7457.88	10283.70	7357.15	-7245.71	1706144.46	397837.72	39°35'15.4112"N	80°32'33.6710"W	10326.08	315.437	0.15	0.00	0.15
17607.00	90.030	328.120	7457.67	10377.88	7437.87	-7295.81	1706094.36	397918.43	39°35'16.2031"N	80°32'34.3229"W	10418.77	315.552	0.23	-0.20	-0.11
17701.00	90.430	328.660	7457.29	10471.02	7517.92	-7345.08	1706045.10	397998.47	39°35'16.9886"N	80°32'34.9640"W	10510.44	315.666	0.71	0.43	0.57
17796.00	89.480	330.420	7457.37	10564.87	7599.80	-7393.24	1705996.94	398080.35	39°35'17.7923"N	80°32'35.5912"W	10602.69	315.789	2.11	-1.00	1.85
17891.00	91.690	327.490	7456.40	10658.85	7681.18	-7442.22	1705947.97	398161.72	39°35'18.5909"N	80°32'36.2289"W	10695.19	315.905	3.86	2.33	-3.08
17985.00	87.940	327.420	7456.70	10752.16	7760.40	-7492.78	1705897.41	398240.94	39°35'19.3680"N	80°32'36.8864"W	10787.29	316.005	3.99	-3.99	-0.07
18080.00	89.080	330.100	7459.17	10846.17	7841.59	-7542.02	1705848.17	398322.13	39°35'20.1647"N	80°32'37.5274"W	10879.92	316.116	3.06	1.20	2.82
18175.00	90.860	331.170	7459.22	10939.72	7924.38	-7588.61	1705801.59	398404.91	39°35'20.9775"N	80°32'38.1347"W	10971.91	316.240	2.19	1.87	1.13
18270.00	90.150	328.000	7458.38	11033.54	8006.29	-7636.69	1705753.50	398486.82	39°35'21.7815"N	80°32'38.7610"W	11064.35	316.353	3.42	-0.75	-3.34
18365.00	90.550	329.220	7457.80	11127.62	8087.39	-7686.17	1705704.03	398567.91	39°35'22.5772"N	80°32'39.4050"W	11157.20	316.457	1.35	0.42	1.28
18460.00	90.090	328.050	7457.27	11221.69	8168.50	-7735.62	1705654.58	398649.02	39°35'23.3732"N	80°32'40.0486"W	11250.07	316.559	1.32	-0.48	-1.23
18555.00	90.740	328.970	7456.58	11315.79	8249.51	-7785.24	1705604.97	398730.02	39°35'24.1680"N	80°32'40.6944"W	11343.03	316.658	1.19	0.68	0.97
18650.00	90.800	329.320	7455.31	11409.73	8331.05	-7833.96	1705556.25	398811.56	39°35'24.9683"N	80°32'41.3287"W	11435.79	316.761	0.37	0.06	0.37
18745.00	90.710	328.800	7454.06	11503.70	8412.53	-7882.79	1705507.41	398893.03	39°35'25.7679"N	80°32'41.9646"W	11528.62	316.862	0.56	-0.09	-0.55
18839.00	91.170	329.560	7452.51	11596.64	8493.24	-7930.95	1705459.26	398973.74	39°35'26.5600"N	80°32'42.5917"W	11620.46	316.961	0.94	0.49	0.81
18934.00	90.920	329.250	7450.78	11690.51	8575.00	-7979.29	1705410.92	399055.49	39°35'27.3624"N	80°32'43.2213"W	11713.23	317.061	0.42	-0.26	-0.33
19029.00	90.370	328.590	7449.71	11784.51	8656.36	-8028.33	1705361.89	399136.84	39°35'28.1608"N	80°32'43.8597"W	11806.21	317.156	0.90	-0.58	-0.69
19124.00	90.340	329.340	7449.12	11878.51	8737.76	-8077.31	1705312.91	399218.24	39°35'28.9596"N	80°32'44.4974"W	11899.21	317.249	0.79	-0.03	0.79
19219.00	90.710	329.150	7448.25	11972.43	8819.39	-8125.88	1705264.34	399299.87	39°35'29.7608"N	80°32'45.1300"W	11992.15	317.344	0.44	0.39	-0.20
19314.00	90.710	328.830	7447.07	12066.41	8900.81	-8174.82	1705215.40	399381.28	39°35'30.5597"N	80°32'45.7672"W	12085.20	317.435	0.34	0.00	-0.34
19409.00	90.620	328.720	7445.97	12160.45	8982.04	-8224.69	1705166.16	399462.51	39°35'31.3568"N	80°32'46.4083"W	12178.36	317.522	0.15	-0.09	-0.12
19504.00	90.950	329.700	7444.67	12254.38	9063.64	-8272.69	1705117.54	399544.10	39°35'32.1577"N	80°32'47.0415"W	12271.39	317.612	1.09	0.35	1.03
19694.00	90.520	328.820	7442.23	12442.21	9226.93	-8369.80	1705070.44	399707.38	39°35'33.7602"N	80°32'48.3061"W	12457.52	317.789	0.52	-0.23	-0.46
19789.00	90.520	329.750	7441.37	12536.12	9308.60	-8418.32	1704971.92	399789.05	39°35'34.5617"N	80°32'48.9380"W	12550.63	317.875	0.98	0.00	0.98
19884.00	90.180	329.410	7440.79	12629.96	9390.52	-8466.42	1704923.82	399870.96	39°35'35.3657"N	80°32'49.5646"W	12643.66	317.962	0.51	-0.36	-0.36
19979.00	90.580	330.050	7440.16	12723.76	9472.57	-8514.31	1704875.94	399953.00	39°35'36.1710"N	80°32'50.1885"W	12736.68	318.050	0.79	0.42	0.67

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 stations)

Stn 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]
20074.00	90.710	328.940	7439.09	12817.62	9554.41	-8562.53	1704827.72	400034.84	39°35'36.9743"N	80°32'50.8166"W	12829.80	318.134	1.18	0.14	-1.17
20169.00	90.060	329.620	7438.45	12911.54	9636.08	-8611.06	1704779.20	400116.50	39°35'37.7758"N	80°32'51.4486"W	12923.01	318.215	0.99	-0.68	0.72
20264.00	89.880	328.470	7438.50	13005.51	9717.55	-8659.92	1704730.34	400197.97	39°35'38.5753"N	80°32'52.0849"W	13016.33	318.294	1.23	-0.19	-1.21
20359.00	90.310	329.220	7438.35	13099.54	9798.84	-8709.07	1704681.19	400279.26	39°35'39.3730"N	80°32'52.7247"W	13109.74	318.370	0.91	0.45	0.79
20454.00	90.520	328.690	7437.66	13193.53	9880.23	-8758.06	1704632.20	400360.64	39°35'40.1717"N	80°32'53.3626"W	13203.13	318.446	0.60	0.22	-0.56
20549.00	90.620	329.350	7436.71	13287.51	9961.68	-8806.96	1704583.31	400442.08	39°35'40.9709"N	80°32'53.9994"W	13296.52	318.521	0.70	0.11	0.69
20644.00	90.680	329.640	7435.63	13381.37	10043.52	-8855.18	1704535.09	400523.92	39°35'41.7742"N	80°32'54.6275"W	13389.79	318.598	0.31	0.06	0.31
20740.00	89.780	327.430	7435.25	13476.45	10125.40	-8905.28	1704484.99	400605.79	39°35'43.3687"N	80°32'55.9331"W	13484.35	318.668	2.49	-0.94	-2.30
20835.00	91.110	328.750	7434.51	13570.64	10206.04	-8955.49	1704434.78	400686.43	39°35'44.1664"N	80°32'56.5729"W	13578.07	318.734	1.97	1.40	1.39
20930.00	90.250	328.950	7433.38	13664.66	10287.33	-9004.63	1704385.64	400767.72	39°35'44.9730"N	80°32'57.2186"W	13671.60	318.804	0.93	-0.91	0.21
21026.00	90.550	328.840	7432.71	13759.66	10369.53	-9054.23	1704336.05	400849.91	39°35'45.7709"N	80°32'57.8583"W	13766.12	318.874	0.33	0.31	-0.11
21121.00	90.030	328.880	7432.23	13853.68	10450.84	-9103.35	1704286.93	400931.21	39°35'46.5647"N	80°32'58.5063"W	13859.69	318.942	0.55	-0.55	0.04
21216.00	89.880	327.910	7432.31	13947.80	10531.75	-9153.14	1704237.15	401012.12	39°35'47.3588"N	80°32'59.1536"W	14047.13	319.070	1.46	0.97	1.09
21311.00	90.800	328.950	7431.74	14041.92	10612.68	-9202.87	1704187.42	401093.05	39°35'48.1540"N	80°32'59.7988"W	14140.83	319.133	0.92	-0.39	-0.83
21406.00	90.430	328.160	7430.72	14136.01	10693.73	-9252.43	1704137.86	401174.09	39°35'48.9505"N	80°33'0.4411"W	14234.51	319.197	1.40	0.81	1.15
21501.00	91.200	329.250	7429.37	14230.05	10774.89	-9301.77	1704088.53	401255.25	39°35'49.7510"N	80°33'1.0751"W	14328.07	319.262	0.98	-0.97	-0.16
21596.00	90.280	329.100	7428.15	14323.99	10856.47	-9350.44	1704039.85	401336.82	39°35'49.7510"N	80°33'1.7167"W	14421.78	319.325	1.55	-1.37	-0.74
21691.00	88.980	328.400	7428.76	14418.03	10937.68	-9399.72	1703990.58	401418.02	39°35'50.5479"N	80°33'2.3562"W	14515.46	319.387	1.64	1.31	0.99
21786.00	90.220	329.340	7429.42	14512.05	11018.99	-9448.84	1703941.47	401499.33	39°35'51.3458"N	80°33'2.9922"W	14609.12	319.449	0.66	-0.33	-0.58
21881.00	89.910	328.790	7429.31	14606.02	11100.48	-9497.67	1703892.64	401580.82	39°35'52.1454"N	80°33'3.6305"W	14702.83	319.510	0.74	0.67	0.31
21976.00	90.550	329.080	7428.93	14700.02	11181.85	-9546.69	1703843.62	401662.18	39°35'52.9440"N	80°33'4.2580"W	14795.50	319.571	0.46	-0.43	0.18
22070.00	89.150	329.250	7428.36	14792.98	11262.57	-9594.87	1703795.44	401742.89	39°35'53.7360"N	80°33'4.8977"W	14890.15	319.633	0.67	-0.67	-0.04
22166.00	89.520	329.210	7428.64	14887.90	11345.05	-9643.98	1703746.33	401825.37	39°35'54.5455"N	80°33'5.5319"W	14982.96	319.691	0.92	0.22	-0.89
22260.00	89.700	328.370	7429.28	14980.98	11425.44	-9692.69	1703697.63	401905.76	39°35'55.3344"N	80°33'6.1731"W	15076.77	319.748	1.08	0.65	0.86
22355.00	90.340	329.190	7429.23	15074.94	11506.68	-9741.93	1703648.39	401987.00	39°35'56.1315"N	80°33'6.8078"W	15170.51	319.806	0.17	-0.13	-0.12
22450.00	90.220	329.080	7428.76	15168.94	11588.23	-9790.67	1703599.66	402068.54	39°35'56.9318"N	80°33'7.4473"W	15264.33	319.862	0.74	-0.59	-0.44
22545.00	89.660	328.660	7428.86	15262.96	11669.55	-9839.78	1703550.55	402149.85	39°35'57.7297"N	80°33'8.0898"W	15358.20	319.917	0.82	0.81	0.11
22640.00	90.430	328.760	7428.79	15357.01	11750.73	-9889.12	1703501.21	402231.03	39°35'58.5263"N	80°33'8.7247"W	15451.98	319.973	0.89	-0.45	0.77
22735.00	90.000	329.490	7428.43	15450.97	11832.27	-9937.87	1703452.46	402312.56	39°35'59.3264"N	80°33'9.3599"W	15545.78	320.029	0.84	-0.26	-0.80
22830.00	89.750	328.730	7428.64	15544.93	11913.79	-9986.64	1703403.69	402394.08	39°36'0.1264"N						



Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

WELLPATH DATA (280 stations) † = interpolated, ‡ = extrapolated station

ID [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]
22924.00	89.320	328.350	7429.40	15638.03	11993.97	-10035.70	1703354.64	402474.25	39°36'0.9131"N	80°33'9.9986"W	15638.75	320.080	0.61	-0.46	-0.40
23019.00	89.850	329.830	7430.09	15731.99	12075.47	-10084.50	1703305.85	402555.75	39°36'1.7129"N	80°33'10.6342"W	15732.58	320.134	1.65	0.58	1.56
23114.00	89.940	329.290	7430.26	15825.84	12157.38	-10132.63	1703257.72	402637.65	39°36'2.5168"N	80°33'11.2612"W	15826.31	320.190	0.58	0.09	-0.57
23210.00	90.340	329.640	7430.03	15920.70	12240.06	-10181.40	1703208.95	402720.33	39°36'3.3283"N	80°33'11.8967"W	15921.06	320.246	0.55	0.42	0.36
23305.00	90.060	329.860	7429.70	16014.50	12322.13	-10229.26	1703161.09	402802.39	39°36'4.1337"N	80°33'12.5203"W	16014.76	320.302	0.37	-0.29	0.23
23400.00	90.000	329.770	7429.65	16108.28	12404.25	-10277.02	1703113.33	402884.50	39°36'4.9397"N	80°33'13.1428"W	16108.46	320.358	0.11	-0.06	-0.09
23495.00	90.220	329.690	7429.46	16202.08	12486.29	-10324.91	1703065.45	402966.55	39°36'5.7450"N	80°33'13.7668"W	16202.20	320.413	0.25	0.23	-0.08
23590.00	89.880	329.650	7429.38	16295.90	12568.29	-10372.88	1703017.48	403048.54	39°36'6.5498"N	80°33'14.3920"W	16295.97	320.466	0.36	-0.36	-0.04
23683.00	90.220	329.940	7429.30	16387.72	12648.66	-10419.67	1702970.69	403128.91	39°36'7.3386"N	80°33'15.0017"W	16387.75	320.519	0.48	0.37	0.31
23708.00†	90.220	329.940	7429.20	16412.39	12670.30	-10432.19	1702958.17	403150.54	39°36'7.5510"N	80°33'15.1649"W	16412.41	320.533	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: BIG 464 3H AWB Ref Wellpath: BIG 464 3H AWP Proj: 23708'

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	0.01	0.06
17.5in Open Hole	68.00	1084.00	1016.00	68.00	1083.53	0.01	0.06	8.06	22.67
13.375in Casing Surface	28.00	1054.00	1026.00	28.00	1053.55	0.00	0.00	8.23	21.69
12.25in Open Hole	1084.00	2509.00	1425.00	1083.53	2508.40	8.06	22.67	3.77	37.99
9.625in Casing Intermediate	28.00	2479.00	2451.00	28.00	2478.40	0.00	0.00	3.88	37.96
8.75in Open Hole	2509.00	7485.00	4976.00	2508.40	6908.26	3.77	37.99	-762.44	-1966.63
8.5in Open Hole	7485.00	23708.00	16223.00	6908.26	7429.20	-762.44	-1966.63	12670.30	-10432.19
5.5in Casing Production	28.00	23678.00	23650.00	28.00	7429.32	0.00	0.00	12644.34	-10417.17

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Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BIG 464 3H BHL Rev-2	7437.00	12674.66	-10428.74	1702961.62	403154.90	39°36'7.5945"N	80°33'15.1215"W	point
BIG 464 3H LP Rev-2	7437.00	-387.49	-2579.81	1710810.08	390093.54	39°33'59.4050"N	80°31'32.9487"W	point
BIG 464 HARDLINE 1	8000.00	14191.11	-11509.92	1701880.50	404671.25	39°36'22.4552"N	80°33'29.1613"W	polygon
	2D Polygon: dimensions not calculated							
BIG 464 L&A 1	8000.00	6147.93	-6817.25	1706572.89	396628.56	39°35'3.5101"N	80°32'28.0198"W	polygon
	2D Polygon: dimensions not calculated							
BIG 464 L&A 2	8000.00	11493.94	-10256.12	1703134.23	401974.25	39°35'55.9460"N	80°33'12.7394"W	polygon
	2D Polygon: dimensions not calculated							
BIG 464 TEMP 1	8000.00	8910.91	-7139.49	1706250.67	399391.38	39°35'30.7785"N	80°32'32.5447"W	polygon
	2D Polygon: dimensions not calculated							

WELLPATH COMPOSITION - Ref Wellbore: BIG 464 3H AWB Ref Wellpath: BIG 464 3H AWP Proj: 23708'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	2475.00	Gyrodata 2015 - CT+WIR+ALC	01 Gyro [Gyro Data-CT+WIR+ALC] (115'-2475')	BIG 464 3H AWB	3/22/2022
2475.00	7409.00	OWSG MWD rev2 - Standard	02 SDI MWD [OWSG-Standard] (2475')(2508'-7409')	BIG 464 3H AWB	3/22/2022
7409.00	23708.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03 BH AT Curve+H&P IFR1+MSA <8-1/2"> (7409')(7538'-23683')	BIG 464 3H AWB	4/6/2022

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Actual Wellpath Report

BIG 464 3H AWP Proj: 23708'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 3H (L-004013)
Field	Wetzel	API	47-103-03432
Facility	Big 464 Pad	Wellbore	BIG 464 3H AWB
Slot	Slot #03		

COMMENTS

Wellpath general comments

API: 47103034320000
 BH Job #: 111294582
 Rig: Patterson 294
 Duration: 04/09/2022 - 04/10/2022

01_Gyro [Gyro Data-CT+WIR+ALC] (115'-2475')
 02_SDI MWD [OWSG-Standard] (2475')(2508'-7409')
 03_BH AT Curve+H&P IFR1+MSA <8-1/2"> (7409')(7538'-23683')

KOP = 2551' MD / 2550.4' TVD
 Tie on to SDI MWD = 7409' MD / 6844.37' TVD
 Marcellus
 Landing Point = 8584' MD / 7440.96' TVD
 Deepest Point of Well = 14093' MD / 7479.80' TVD
 Final Survey = 23683' MD / 7429.30' TVD
 Projection to TD = 23708' MD / 7429.20' TVD

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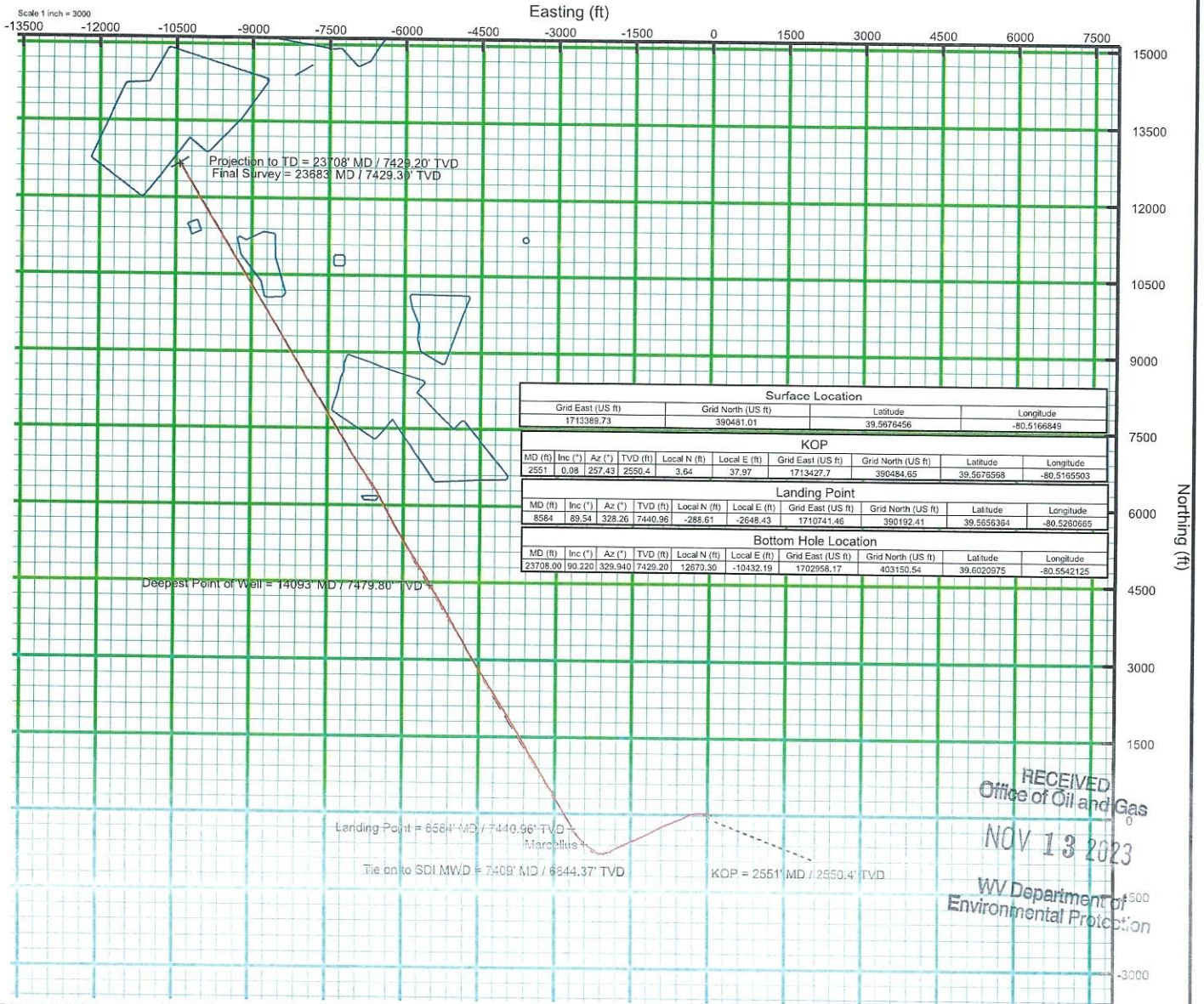
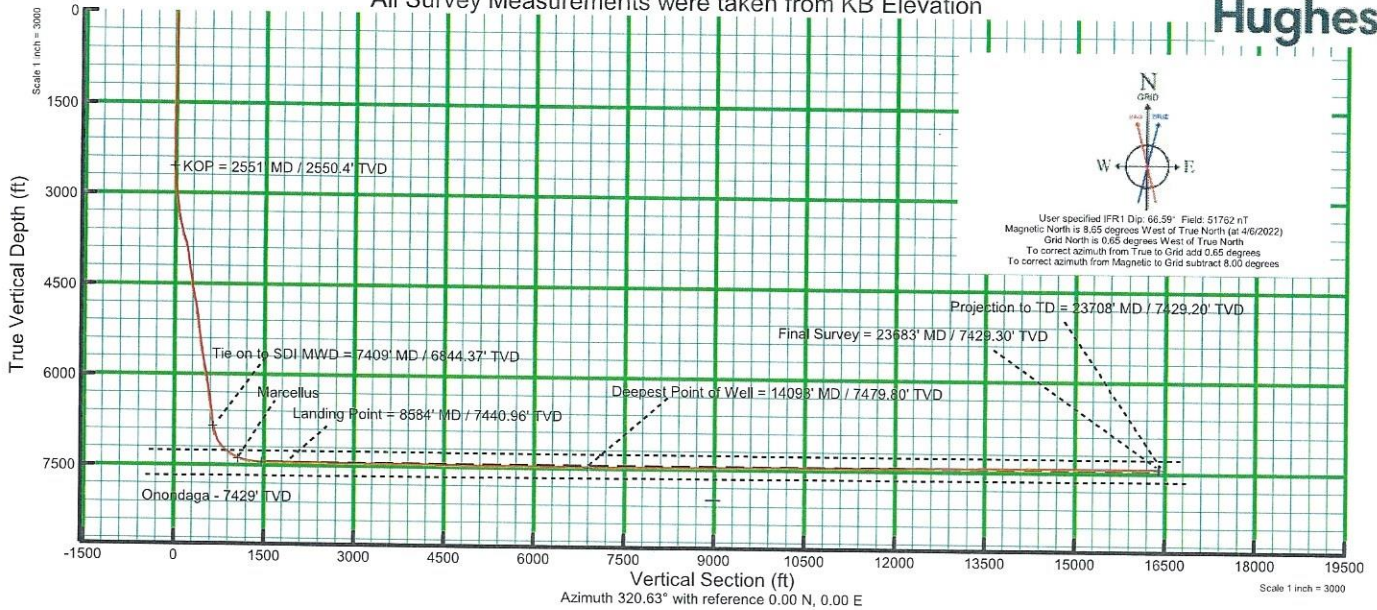
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KB Elevation=1274 FT
Ground Elevation=1246 FT

All Survey Measurements were taken from KB Elevation



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