



# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Manajohj
Scale	0.999941	Report Generated	5/26/2022 at 1:42:24 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	8.74	24.18	1713422.72	390430.90	39°34'3.0328"N	80°30'59.6370"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 #11)	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	334.62°

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## WELLPATH DATA (270 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]
0.00	0.00	249.740	0.00	0.00	0.00	0.00	1713422.72	390430.90	39°34'3.0328"N	80°30'59.6370"W	0.00	0.000	0.00	0.00	0.00
28.00	0.00	249.740	28.00	0.00	0.00	0.00	1713422.72	390430.90	39°34'3.0328"N	80°30'59.6370"W	0.00	0.000	0.00	0.00	0.00
115.00	0.180	249.740	115.00	0.01	-0.05	-0.13	1713422.59	390430.85	39°34'3.0323"N	80°30'59.6386"W	0.14	249.740	0.21	0.21	0.00
215.00	0.180	247.830	215.00	0.04	-0.16	-0.42	1713422.30	390430.74	39°34'3.0311"N	80°30'59.6423"W	0.45	249.075	0.01	0.00	-1.91
315.00	0.180	236.930	315.00	0.02	-0.31	-0.70	1713422.02	390430.59	39°34'3.0297"N	80°30'59.6459"W	0.76	246.333	0.03	0.00	-10.90
415.00	0.160	229.410	415.00	-0.03	-0.48	-0.94	1713421.78	390430.42	39°34'3.0279"N	80°30'59.6489"W	1.05	242.722	0.03	-0.02	-7.52
515.00	0.210	233.380	515.00	-0.11	-0.68	-1.19	1713421.53	390430.22	39°34'3.0259"N	80°30'59.6521"W	1.37	240.135	0.05	0.05	3.97
615.00	0.110	226.460	615.00	-0.17	-0.86	-1.41	1713421.31	390430.04	39°34'3.0241"N	80°30'59.6548"W	1.65	238.595	0.10	-0.10	-6.92
715.00	0.050	302.210	715.00	-0.17	-0.90	-1.51	1713421.21	390430.00	39°34'3.0237"N	80°30'59.6562"W	1.76	239.210	0.11	-0.06	75.75
815.00	0.090	168.040	815.00	-0.21	-0.95	-1.53	1713421.19	390429.95	39°34'3.0232"N	80°30'59.6564"W	1.81	238.085	0.13	0.04	-134.17
915.00	0.070	199.770	915.00	-0.32	-1.09	-1.54	1713421.18	390429.81	39°34'3.0218"N	80°30'59.6565"W	1.88	234.686	0.05	-0.02	31.73
1015.00	0.120	258.990	1015.00	-0.34	-1.17	-1.66	1713421.06	390429.73	39°34'3.0211"N	80°30'59.6580"W	2.03	234.916	0.10	0.05	59.22
1057.00	0.110	278.270	1057.00	-0.31	-1.17	-1.74	1713420.98	390429.73	39°34'3.0210"N	80°30'59.6591"W	2.10	236.161	0.09	-0.02	45.90
1129.00	0.150	124.020	1129.00	-0.35	-1.21	-1.73	1713420.99	390429.69	39°34'3.0206"N	80°30'59.6590"W	2.12	235.051	0.35	0.06	-214.24
1172.00	0.300	92.800	1172.00	-0.45	-1.25	-1.57	1713421.15	390429.65	39°34'3.0203"N	80°30'59.6569"W	2.01	231.587	0.44	0.35	-72.60
1215.00	0.440	93.030	1215.00	-0.58	-1.26	-1.30	1713421.42	390429.64	39°34'3.0201"N	80°30'59.6534"W	1.81	225.772	0.33	0.33	0.53
1258.00	1.000	84.840	1257.99	-0.79	-1.24	-0.76	1713421.96	390429.66	39°34'3.0205"N	80°30'59.6465"W	1.45	211.510	1.32	1.30	-19.05
1301.00	1.640	76.530	1300.98	-1.05	-1.06	0.21	1713422.93	390429.84	39°34'3.0223"N	80°30'59.6341"W	1.08	168.638	1.55	1.49	-19.33
1344.00	2.360	86.730	1343.95	-1.51	-0.87	1.70	1713424.42	390430.03	39°34'3.0244"N	80°30'59.6152"W	1.90	117.085	1.86	1.67	23.72
1387.00	2.670	88.680	1386.91	-2.25	-0.79	3.58	1713426.30	390430.11	39°34'3.0253"N	80°30'59.5912"W	3.67	102.495	0.75	0.72	4.53
1431.00	3.610	89.130	1430.85	-3.24	-0.75	5.99	1713428.71	390430.15	39°34'3.0260"N	80°30'59.5604"W	6.04	97.126	2.14	2.14	1.02
1474.00	4.080	91.280	1473.75	-4.49	-0.76	8.87	1713431.59	390430.14	39°34'3.0262"N	80°30'59.5236"W	8.91	94.913	1.14	1.09	5.02
1517.00	4.700	89.390	1516.62	-5.92	-0.78	12.16	1713434.88	390430.12	39°34'3.0264"N	80°30'59.4816"W	12.19	93.660	1.48	1.44	-4.44
1560.00	5.350	93.890	1559.46	-7.63	-0.90	15.93	1713438.64	390430.01	39°34'3.0257"N	80°30'59.4335"W	15.95	93.217	1.77	1.51	10.49
1603.00	6.030	95.080	1602.25	-9.76	-1.23	20.18	1713442.89	390429.67	39°34'3.0229"N	80°30'59.3792"W	20.21	93.492	1.60	1.58	2.77
1646.00	6.170	97.460	1645.00	-12.16	-1.73	24.72	1713447.44	390429.17	39°34'3.0184"N	80°30'59.3212"W	24.78	94.006	0.67	0.33	5.53
1732.00	6.840	96.680	1730.45	-17.38	-2.93	34.39	1713457.10	390427.97	39°34'3.0077"N	80°30'59.1975"W	34.51	94.865	0.79	0.78	-0.91
1818.00	7.450	95.470	1815.78	-22.96	-4.05	45.02	1713467.74	390426.85	39°34'2.9977"N	80°30'59.0616"W	45.20	95.145	0.73	0.71	-1.41
1904.00	7.200	94.630	1901.08	-28.51	-5.02	55.94	1713478.66	390425.88	39°34'2.9894"N	80°30'58.9220"W	56.17	95.128	0.32	-0.29	-0.98
1991.00	6.300	90.780	1987.47	-33.35	-5.53	66.15	1713488.87	390425.37	39°34'2.9856"N	80°30'58.7916"W	66.38	94.775	1.16	-1.03	-4.43



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Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 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]
2077.00	5.710	86.830	2073.00	-37.04	-5.35	75.14	1713497.86	390425.55	39°34'2.9883"N	80°30'58.6768"W	75.33	94.075	0.84	-0.69	-4.59
2163.00	5.860	78.350	2158.57	-39.70	-4.23	83.71	1713506.43	390426.67	39°34'3.0003"N	80°30'58.5675"W	83.82	92.893	1.01	0.17	-9.86
2249.00	6.280	77.120	2244.08	-41.76	-2.30	92.60	1713515.31	390428.61	39°34'3.0204"N	80°30'58.4543"W	92.63	91.420	0.51	0.49	-1.43
2335.00	6.540	78.960	2329.55	-43.99	-0.31	101.99	1713524.70	390430.59	39°34'3.0411"N	80°30'58.3347"W	101.99	90.173	0.39	0.30	2.14
2422.00	6.750	77.080	2415.96	-46.32	1.78	111.84	1713534.55	390432.68	39°34'3.0629"N	80°30'58.2093"W	111.85	89.087	0.35	0.24	-2.16
2505.00	6.540	73.760	2498.40	-48.13	4.20	121.13	1713543.84	390435.10	39°34'3.0878"N	80°30'58.0910"W	121.20	88.016	0.53	-0.25	-4.00
2549.00	6.560	72.200	2542.12	-48.86	5.66	125.93	1713548.64	390436.56	39°34'3.1028"N	80°30'58.0299"W	126.06	87.424	0.41	0.05	-3.55
2592.00	6.910	76.150	2584.82	-49.70	7.03	130.78	1713553.49	390437.93	39°34'3.1169"N	80°30'57.9682"W	130.97	86.921	1.35	0.81	9.19
2635.00	7.550	81.260	2627.48	-51.02	8.08	136.08	1713558.79	390438.98	39°34'3.1279"N	80°30'57.9006"W	136.32	86.601	2.11	1.49	11.88
2721.00	9.160	90.480	2712.57	-55.63	8.88	148.51	1713571.22	390439.78	39°34'3.1372"N	80°30'57.7420"W	148.78	86.576	2.43	1.87	10.72
2808.00	11.390	91.170	2798.17	-62.49	8.65	164.03	1713586.74	390439.55	39°34'3.1366"N	80°30'57.5439"W	164.26	86.981	2.57	2.56	0.79
2894.39	13.530	92.310	2882.52	-71.00	8.07	182.66	1713605.36	390438.97	39°34'3.1329"N	80°30'57.3060"W	182.83	87.470	2.49	2.48	1.32
2981.00	15.670	89.360	2966.33	-80.60	7.79	204.48	1713627.19	390438.69	39°34'3.1326"N	80°30'57.0273"W	204.63	87.818	2.61	2.47	-3.41
3067.00	16.280	89.110	3049.01	-90.46	8.11	228.14	1713650.85	390439.01	39°34'3.1384"N	80°30'56.7252"W	228.29	87.964	0.71	0.71	-0.29
3153.00	16.820	86.350	3131.44	-100.07	9.09	252.62	1713675.32	390439.99	39°34'3.1508"N	80°30'56.4128"W	252.78	87.940	1.11	0.63	-3.21
3239.00	16.480	83.630	3213.84	-108.65	11.23	277.16	1713699.86	390442.13	39°34'3.1748"N	80°30'56.0998"W	277.38	87.679	0.99	-0.40	-3.16
3326.00	16.410	80.350	3297.28	-116.00	14.66	301.54	1713724.24	390445.56	39°34'3.2114"N	80°30'55.7890"W	301.89	87.216	1.07	-0.08	-3.77
3412.00	18.820	75.160	3379.25	-121.83	20.25	326.93	1713749.63	390451.15	39°34'3.2695"N	80°30'55.4656"W	327.55	86.455	3.34	2.80	-6.03
3498.00	20.080	74.160	3460.34	-126.81	27.84	354.54	1713777.24	390458.73	39°34'3.3475"N	80°30'55.1142"W	355.63	85.511	1.52	1.47	-1.16
3584.00	19.710	72.170	3541.21	-131.17	36.31	382.55	1713805.24	390467.20	39°34'3.4343"N	80°30'54.7578"W	384.27	84.578	0.90	-0.43	-2.31
3670.00	20.670	69.820	3621.92	-134.45	45.98	410.60	1713833.30	390476.88	39°34'3.5331"N	80°30'54.4010"W	413.17	83.610	1.46	1.12	-2.73
3757.00	20.250	70.400	3703.43	-137.36	56.33	439.20	1713861.89	390487.23	39°34'3.6385"N	80°30'54.0373"W	442.79	82.691	0.54	-0.48	0.67
3843.00	20.320	70.590	3784.10	-140.41	66.29	467.30	1713889.99	390497.18	39°34'3.7401"N	80°30'53.6799"W	471.98	81.927	0.11	0.08	0.22
3929.00	19.070	73.210	3865.07	-144.06	75.31	494.84	1713917.53	390506.20	39°34'3.8323"N	80°30'53.3296"W	500.53	81.347	1.78	-1.45	3.05
4016.00	17.660	75.110	3947.64	-148.59	82.80	521.20	1713943.89	390513.70	39°34'3.9093"N	80°30'52.9941"W	527.73	80.973	1.76	-1.62	2.18
4102.00	17.700	76.940	4029.58	-153.75	89.11	546.54	1713969.23	390520.00	39°34'3.9745"N	80°30'52.6715"W	553.76	80.740	0.65	0.05	2.13
4188.00	18.150	78.380	4111.40	-159.73	94.76	572.40	1713995.08	390525.66	39°34'4.0332"N	80°30'52.3421"W	580.19	80.600	0.73	0.52	1.67
4274.00	18.520	81.170	4193.04	-166.80	99.56	599.01	1714021.70	390530.45	39°34'4.0836"N	80°30'52.0030"W	607.23	80.564	1.11	0.43	3.24
4360.00	18.540	80.600	4274.58	-174.46	103.89	626.00	1714048.68	390534.78	39°34'4.1294"N	80°30'51.6590"W	634.56	80.577	0.21	0.02	-0.66
4446.00	18.720	79.320	4356.07	-181.73	108.68	653.05	1714075.73	390539.57	39°34'4.1797"N	80°30'51.3143"W	662.03	80.552	0.52	0.21	-1.49

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4533.00	18.450	78.870	4438.54	-188.66	113.92	680.28	1714102.96	390544.82	39°34'4.2346"N	80°30'50.9674"W	689.75	80.493	0.35	-0.31	-0.52
4619.00	17.830	79.620	4520.26	-195.41	118.92	706.58	1714129.26	390549.81	39°34'4.2870"N	80°30'50.6323"W	716.52	80.446	0.77	-0.72	0.87
4705.00	18.020	82.900	4602.09	-202.99	122.94	732.73	1714155.41	390553.83	39°34'4.3296"N	80°30'50.2990"W	742.97	80.476	1.19	0.22	3.81
4791.00	18.660	81.590	4683.72	-211.18	126.59	759.54	1714182.22	390557.49	39°34'4.3687"N	80°30'49.9572"W	770.02	80.537	0.89	0.74	-1.52
4877.00	18.960	80.010	4765.13	-218.91	131.03	786.91	1714209.58	390561.92	39°34'4.4156"N	80°30'49.6084"W	797.75	80.546	0.69	0.35	-1.84
4964.00	18.450	80.120	4847.53	-226.34	135.84	814.39	1714237.06	390566.74	39°34'4.4662"N	80°30'49.2581"W	825.65	80.530	0.59	-0.59	0.13
5041.00	18.780	79.460	4920.50	-232.77	140.20	838.58	1714261.25	390571.09	39°34'4.5120"N	80°30'48.9499"W	850.22	80.509	0.51	0.43	-0.86
5127.00	19.690	83.260	5001.71	-240.94	144.44	866.58	1714289.25	390575.33	39°34'4.5569"N	80°30'48.5930"W	878.54	80.537	1.80	1.06	4.42
5214.00	20.320	85.390	5083.46	-250.99	147.37	896.20	1714318.86	390578.26	39°34'4.5892"N	80°30'48.2153"W	908.23	80.662	1.11	0.72	2.45
5300.00	19.560	81.160	5164.31	-260.38	150.78	925.31	1714347.97	390581.67	39°34'4.6262"N	80°30'47.8441"W	937.51	80.745	1.90	-0.88	-4.92
5386.00	18.740	77.510	5245.55	-267.56	155.98	953.02	1714375.68	390586.87	39°34'4.6807"N	80°30'47.4910"W	965.70	80.705	1.69	-0.95	-4.24
5473.00	18.380	75.430	5328.02	-273.25	162.46	979.94	1714402.60	390593.35	39°34'4.7477"N	80°30'47.1482"W	993.32	80.587	0.87	-0.41	-2.39
5559.00	19.490	75.510	5409.37	-278.51	169.46	1006.95	1714429.61	390600.35	39°34'4.8199"N	80°30'46.8043"W	1021.11	80.447	1.29	1.29	0.09
5645.00	19.340	75.120	5490.48	-283.81	176.70	1034.61	1714457.27	390607.59	39°34'4.8946"N	80°30'46.4523"W	1049.59	80.308	0.23	-0.17	-0.45
5731.00	18.860	76.060	5571.75	-289.16	183.71	1061.86	1714484.52	390614.60	39°34'4.9668"N	80°30'46.1053"W	1077.64	80.185	0.66	-0.56	1.09
5818.00	18.580	75.880	5654.14	-294.66	190.48	1088.95	1714511.60	390621.37	39°34'5.0367"N	80°30'45.7604"W	1105.48	80.078	0.33	-0.32	-0.21
5904.00	18.540	77.760	5735.67	-300.44	196.72	1115.60	1714538.25	390627.61	39°34'5.1014"N	80°30'45.4210"W	1132.81	80.000	0.70	-0.05	2.19
5990.00	18.520	77.880	5817.21	-306.68	202.48	1142.32	1714564.97	390633.37	39°34'5.1613"N	80°30'45.0807"W	1160.12	79.948	0.05	-0.02	0.14
6076.00	18.230	78.970	5898.83	-313.15	207.93	1168.87	1714591.52	390638.81	39°34'5.2181"N	80°30'44.7424"W	1187.22	79.913	0.52	-0.34	1.27
6163.00	18.310	80.060	5981.44	-320.16	212.89	1195.69	1714618.34	390643.78	39°34'5.2701"N	80°30'44.4007"W	1214.49	79.904	0.40	0.09	1.25
6249.00	18.530	81.470	6063.04	-327.72	217.25	1222.51	1714645.16	390648.13	39°34'5.3162"N	80°30'44.0589"W	1241.66	79.923	0.58	0.26	1.64
6335.00	19.210	82.370	6144.41	-335.99	221.15	1250.05	1714672.69	390652.04	39°34'5.3578"N	80°30'43.7078"W	1269.46	79.967	0.86	0.79	1.05
6421.00	19.520	80.780	6225.55	-344.31	225.33	1278.25	1714700.90	390656.22	39°34'5.4023"N	80°30'43.3483"W	1297.96	80.002	0.71	0.36	-1.85
6508.00	19.760	79.870	6307.49	-352.22	230.25	1307.08	1714729.72	390661.14	39°34'5.4541"N	80°30'42.9809"W	1327.20	80.010	0.45	0.28	-1.05
6593.00	18.860	79.000	6387.71	-359.41	235.40	1334.71	1714757.35	390666.28	39°34'5.5080"N	80°30'42.6289"W	1355.31	79.998	1.11	-1.06	-1.02
6680.00	18.920	78.050	6470.02	-366.18	241.00	1362.31	1714784.95	390671.89	39°34'5.5665"N	80°30'42.2772"W	1383.47	79.968	0.36	0.07	-1.09
6766.00	19.270	78.800	6551.29	-372.90	246.64	1389.87	1714812.51	390677.53	39°34'5.6253"N	80°30'41.9261"W	1411.59	79.937	0.50	0.41	0.87
6853.00	19.000	78.770	6633.48	-379.87	252.19	1417.85	1714840.48	390683.08	39°34'5.6833"N	80°30'41.5698"W	1440.10	79.914	0.31	-0.31	-0.03
6883.00	18.900	78.360	6661.85	-382.22	254.12	1427.40	1714850.03	390685.01	39°34'5.7034"N	80°30'41.4481"W	1449.84	79.905	0.56	-0.33	-1.37
6970.00	19.000	72.850	6744.15	-387.60	261.14	1454.73	1714877.36	390692.03	39°34'5.7758"N	80°30'41.1001"W	1477.98	79.823	2.06	0.11	-6.33



# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzell	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 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]
7065.00	17.390	38.520	6834.65	-383.55	276.86	1478.42	1714901.05	390707.74	39°34'5.9337"N	80°30'40.7999"W	1504.12	79.393	11.25	-1.69	-36.14
7160.00	19.620	24.300	6924.78	-366.98	302.52	1493.83	1714916.46	390733.40	39°34'6.1890"N	80°30'40.6068"W	1524.16	78.552	5.28	2.35	-14.97
7255.00	24.090	3.110	7013.07	-339.56	336.48	1501.46	1714924.09	390767.36	39°34'6.5256"N	80°30'40.5142"W	1538.71	77.369	9.47	4.71	-22.31
7350.00	30.290	353.420	7097.57	-299.78	379.70	1499.77	1714922.40	390810.58	39°34'6.9525"N	80°30'40.5421"W	1547.09	75.793	8.00	6.53	-10.20
7445.00	40.020	353.280	7175.15	-248.04	433.97	1493.43	1714916.06	390864.84	39°34'7.4881"N	80°30'40.6308"W	1555.21	73.797	10.24	10.24	-0.15
7540.00	47.700	347.800	7243.62	-184.77	498.77	1482.41	1714905.04	390929.63	39°34'8.1272"N	80°30'40.7808"W	1564.07	71.404	9.01	8.08	-5.77
7635.00	55.150	343.800	7302.83	-111.97	570.66	1464.08	1714886.72	391001.52	39°34'8.8357"N	80°30'41.0252"W	1571.37	68.706	8.50	7.84	-4.21
7729.00	63.210	338.800	7350.97	-31.88	646.97	1438.10	1714860.73	391077.83	39°34'9.5870"N	80°30'41.3680"W	1576.93	65.778	9.71	8.57	-5.32
7824.00	70.190	334.460	7388.54	55.24	726.96	1403.44	1714826.07	391157.81	39°34'10.3736"N	80°30'41.8220"W	1580.54	62.617	8.46	7.35	-4.57
7919.00	77.300	329.800	7415.13	146.27	807.47	1360.79	1714783.42	391238.32	39°34'11.1645"N	80°30'42.3782"W	1582.32	59.316	8.84	7.48	-4.91
8014.00	83.800	329.070	7430.72	239.55	888.12	1313.15	1714735.79	391318.96	39°34'11.9562"N	80°30'42.9980"W	1585.28	55.929	6.88	6.84	-0.77
8108.00	92.400	330.260	7433.83	333.05	969.13	1265.75	1714688.40	391399.97	39°34'12.7515"N	80°30'43.6149"W	1594.16	52.560	9.24	9.15	1.27
8203.00	91.970	332.360	7430.21	427.82	1052.40	1220.18	1714642.83	391483.23	39°34'13.5694"N	80°30'44.2088"W	1611.33	49.222	2.25	-0.45	2.21
8298.00	91.630	329.290	7427.22	522.56	1135.29	1173.90	1714596.55	391566.13	39°34'14.3835"N	80°30'44.8117"W	1633.07	45.958	3.25	-0.36	-3.23
8393.00	91.630	327.590	7424.52	616.96	1216.21	1124.20	1714546.85	391647.03	39°34'15.1776"N	80°30'45.4579"W	1656.20	42.749	1.79	0.00	-1.79
8487.00	91.260	327.280	7422.15	710.19	1295.40	1073.62	1714496.27	391726.22	39°34'15.9546"N	80°30'46.1152"W	1682.48	39.652	0.51	-0.39	-0.33
8583.00	91.630	327.660	7419.73	805.42	1376.32	1022.01	1714444.67	391807.13	39°34'16.7485"N	80°30'46.7858"W	1714.28	36.597	0.55	0.39	0.40
8678.00	90.580	325.750	7417.90	899.49	1455.70	969.88	1714392.54	391886.51	39°34'17.5272"N	80°30'47.4630"W	1749.21	33.674	2.29	-1.11	-2.01
8773.00	90.030	324.490	7417.39	993.18	1533.63	915.55	1714338.21	391964.44	39°34'18.2913"N	80°30'48.1679"W	1786.13	30.836	1.45	-0.58	-1.33
8868.00	90.150	328.640	7417.24	1087.22	1612.89	863.22	1714285.89	392043.70	39°34'19.0688"N	80°30'48.8475"W	1829.36	28.156	4.37	0.13	4.37
8963.00	90.830	331.930	7416.43	1181.94	1695.39	816.14	1714238.81	392126.18	39°34'19.8788"N	80°30'49.4606"W	1881.60	25.706	3.54	0.72	3.46
9059.00	90.340	330.640	7415.45	1277.77	1779.57	770.02	1714192.69	392210.37	39°34'20.7056"N	80°30'50.0617"W	1939.02	23.398	1.44	-0.51	-1.34
9153.00	90.460	331.200	7414.79	1371.57	1861.72	724.33	1714147.01	392292.51	39°34'21.5123"N	80°30'50.6569"W	1997.66	21.259	0.61	0.13	0.60
9249.00	90.620	331.320	7413.89	1467.40	1945.89	678.17	1714100.85	392376.67	39°34'22.3390"N	80°30'51.2584"W	2060.68	19.214	0.21	0.17	0.12
9344.00	90.280	330.670	7413.14	1562.20	2028.97	632.11	1714054.79	392459.75	39°34'23.1549"N	80°30'51.8586"W	2125.16	17.304	0.77	-0.36	-0.68
9439.00	90.490	331.510	7412.50	1657.02	2112.13	586.19	1714008.87	392542.90	39°34'23.9716"N	80°30'52.4570"W	2191.97	15.511	0.91	0.22	0.88
9534.00	90.370	330.310	7411.79	1751.82	2195.14	540.00	1713962.69	392625.91	39°34'24.7869"N	80°30'53.0587"W	2260.59	13.820	1.27	-0.13	-1.26
9629.00	90.400	331.550	7411.15	1846.62	2278.17	493.84	1713916.53	392708.94	39°34'25.6023"N	80°30'53.6601"W	2331.09	12.231	1.31	0.03	1.31
9724.00	90.650	331.180	7410.28	1941.46	2361.55	448.32	1713871.01	392792.31	39°34'26.4212"N	80°30'54.2534"W	2403.73	10.749	0.47	0.26	-0.39
9819.00	90.430	329.070	7409.39	2036.16	2443.92	401.00	1713823.70	392874.67	39°34'27.2299"N	80°30'54.8695"W	2476.60	9.318	2.23	-0.23	-2.22

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# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 stations)

ID	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
9914.00	90.460	328.970	7408.65	2130.70	2525.36	352.10	1713774.80	392956.11	39°34'28.0293"N	80°30'55.5057"W	2549.79	7.937	0.11	0.03	-0.11
10009.00	90.830	329.810	7407.58	2225.30	2607.12	303.73	1713726.44	393037.86	39°34'28.8319"N	80°30'56.1352"W	2624.75	6.645	0.97	0.39	0.66
10103.00	89.510	327.090	7407.30	2318.74	2687.22	254.56	1713677.26	393117.95	39°34'29.6179"N	80°30'56.7747"W	2699.25	5.411	3.22	-1.40	-2.89
10198.00	89.600	327.010	7408.04	2412.91	2766.93	202.89	1713625.59	393197.66	39°34'30.4000"N	80°30'57.4460"W	2774.36	4.194	0.13	0.09	-0.08
10293.00	89.480	328.260	7408.80	2507.20	2847.17	152.03	1713574.75	393277.90	39°34'31.1872"N	80°30'58.1070"W	2851.23	3.057	1.32	-0.13	1.32
10388.00	88.890	327.070	7410.15	2601.49	2927.43	101.23	1713523.94	393358.15	39°34'31.9747"N	80°30'58.7674"W	2929.18	1.980	1.40	-0.62	-1.25
10483.00	90.490	328.260	7410.67	2695.79	3007.69	50.42	1713473.14	393438.41	39°34'32.7622"N	80°30'59.4278"W	3008.11	0.960	2.10	1.68	1.25
10578.00	88.830	327.480	7411.23	2790.12	3088.14	-0.10	1713422.62	393518.85	39°34'33.5516"N	80°31'0.0846"W	3088.14	359.998	1.93	-1.75	-0.82
10673.00	89.020	326.390	7413.01	2884.25	3167.74	-51.92	1713370.80	393598.45	39°34'34.3325"N	80°31'0.7578"W	3168.16	359.061	1.16	0.20	-1.15
10768.00	89.050	328.420	7414.61	2978.48	3247.76	-103.09	1713319.64	393678.46	39°34'35.1176"N	80°31'1.4228"W	3249.40	358.182	2.14	0.03	2.14
10863.00	89.290	329.810	7415.99	3073.03	3329.28	-151.85	1713270.88	393759.98	39°34'35.9177"N	80°31'2.0572"W	3332.74	357.389	1.48	0.25	1.46
10958.00	90.120	331.310	7416.48	3167.79	3412.01	-198.54	1713224.19	393842.70	39°34'36.7301"N	80°31'2.6654"W	3417.78	356.670	1.80	0.87	1.58
11054.00	88.680	327.630	7417.48	3263.38	3494.68	-247.29	1713175.44	393925.36	39°34'37.5416"N	80°31'3.3000"W	3503.42	355.952	4.12	-1.50	-3.83
11148.00	91.290	331.150	7417.51	3356.96	3575.56	-295.15	1713127.59	394006.24	39°34'38.3356"N	80°31'3.9227"W	3587.72	355.281	4.66	2.78	3.74
11243.00	88.310	329.620	7417.84	3451.69	3658.14	-342.09	1713080.65	394088.81	39°34'39.1464"N	80°31'4.5341"W	3674.10	354.658	3.53	-3.14	-1.61
11339.00	88.310	327.810	7420.67	3547.13	3740.14	-391.91	1713030.83	394170.81	39°34'39.9512"N	80°31'5.1823"W	3760.62	354.018	1.88	0.00	-1.89
11434.00	89.820	331.340	7422.22	3641.73	3822.03	-440.01	1712982.74	394252.70	39°34'40.7551"N	80°31'5.8083"W	3847.27	353.433	4.04	1.59	3.72
11528.00	88.710	327.700	7423.43	3735.34	3903.02	-487.67	1712935.07	394333.68	39°34'41.5502"N	80°31'6.4288"W	3933.37	352.878	4.05	-1.18	-3.87
11624.00	89.290	331.340	7425.10	3830.93	3985.72	-536.35	1712886.40	394416.38	39°34'42.3621"N	80°31'7.0624"W	4021.65	352.336	3.84	0.60	3.79
11719.00	88.920	328.240	7426.59	3925.57	4067.80	-584.14	1712838.61	394498.46	39°34'43.1678"N	80°31'7.6845"W	4109.53	351.828	3.29	-0.39	-3.26
11814.00	88.580	329.590	7428.66	4020.07	4149.14	-633.18	1712789.58	394579.79	39°34'43.9662"N	80°31'8.3225"W	4197.17	351.323	1.47	-0.36	1.42
11909.00	90.340	330.140	7429.56	4114.74	4231.29	-680.87	1712741.89	394661.94	39°34'44.7727"N	80°31'8.9435"W	4285.72	350.859	1.94	1.85	0.58
12004.00	88.150	327.710	7430.81	4209.25	4312.64	-729.89	1712692.87	394743.28	39°34'45.5711"N	80°31'9.5813"W	4373.97	350.394	3.44	-2.31	-2.56
12099.00	88.490	329.260	7433.59	4303.66	4393.59	-779.53	1712643.24	394824.22	39°34'46.3656"N	80°31'10.2269"W	4462.21	349.939	1.67	0.36	1.63
12194.00	89.350	331.640	7435.38	4398.38	4476.21	-826.37	1712596.40	394906.84	39°34'47.1768"N	80°31'10.8370"W	4551.85	349.540	2.66	0.91	2.51
12288.00	88.310	329.920	7437.30	4492.15	4558.23	-872.24	1712550.53	394988.85	39°34'47.9822"N	80°31'11.4348"W	4640.93	349.167	2.14	-1.11	-1.83
12383.00	90.220	329.640	7438.52	4586.80	4640.31	-920.05	1712502.72	395070.93	39°34'48.7880"N	80°31'12.0572"W	4730.64	348.785	2.03	2.01	-0.29
12478.00	87.970	327.920	7440.02	4681.28	4721.53	-969.28	1712453.50	395152.15	39°34'49.5852"N	80°31'12.6977"W	4820.00	348.399	2.98	-2.37	-1.81
12573.00	89.320	331.050	7442.27	4775.86	4803.34	-1017.50	1712405.28	395233.95	39°34'50.3883"N	80°31'13.3253"W	4909.93	348.040	3.59	1.42	3.29
12763.00	89.110	331.790	7444.87	4965.54	4970.17	-1108.38	1712314.40	395400.77	39°34'52.0268"N	80°31'14.5102"W	5092.26	347.428	0.40	-0.11	0.39



# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 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]
12858.00	90.150	327.470	7445.49	5060.16	5052.11	-1156.40	1712266.39	395482.71	39°34'52.8312"N	80°31'15.1353"W	5182.77	347.107	4.68	1.09	-4.55
12953.00	88.920	330.130	7446.26	5154.66	5133.36	-1205.61	1712217.19	395563.95	39°34'53.6286"N	80°31'15.7755"W	5273.03	346.783	3.08	-1.29	2.80
13047.00	88.890	328.870	7448.05	5248.26	5214.34	-1253.30	1712169.49	395644.92	39°34'54.4235"N	80°31'16.3964"W	5362.84	346.485	1.34	-0.03	-1.34
13142.00	89.080	328.670	7449.74	5342.75	5295.56	-1302.55	1712120.25	395726.14	39°34'55.2206"N	80°31'17.0371"W	5453.40	346.181	0.29	0.20	-0.21
13237.00	89.170	326.390	7451.19	5437.01	5375.89	-1353.54	1712069.26	395806.27	39°34'56.0068"N	80°31'17.7000"W	5543.48	345.867	2.40	0.09	-2.40
13332.00	89.260	328.880	7452.49	5531.29	5455.92	-1404.39	1712018.42	395886.49	39°34'56.7940"N	80°31'18.3610"W	5633.77	345.565	2.62	0.09	2.62
13427.00	88.030	324.850	7454.74	5625.37	5535.43	-1456.29	1711966.52	395966.00	39°34'57.5739"N	80°31'19.0354"W	5723.79	345.260	4.43	-1.29	-4.24
13522.00	89.850	328.940	7456.50	5719.47	5614.98	-1508.16	1711914.66	396045.54	39°34'58.3542"N	80°31'19.7093"W	5813.99	344.965	4.71	1.92	4.31
13617.00	88.090	325.200	7458.20	5813.61	5694.89	-1559.78	1711863.04	396125.24	39°34'59.1361"N	80°31'20.3802"W	5904.44	344.682	4.35	-1.85	-3.94
13712.00	89.260	327.920	7460.40	5907.64	5773.93	-1612.11	1711810.71	396204.48	39°34'59.9134"N	80°31'21.0600"W	5994.76	344.400	3.12	1.23	2.86
13807.00	89.570	329.270	7461.37	6002.10	5855.01	-1661.61	1711761.21	396285.55	39°35'0.7091"N	80°31'21.7040"W	6086.22	344.156	1.46	0.33	1.42
13901.00	90.430	326.710	7462.97	6095.47	5934.71	-1711.43	1711711.39	396365.25	39°35'1.4911"N	80°31'22.3518"W	6176.55	343.914	2.87	0.91	-2.72
13996.00	87.690	326.770	7462.93	6189.55	6014.13	-1763.52	1711659.31	396444.66	39°35'2.2701"N	80°31'23.0286"W	6267.36	343.657	2.88	-2.88	0.06
14091.00	89.480	329.890	7465.28	6283.93	6094.94	-1813.37	1711609.46	396525.47	39°35'3.0632"N	80°31'23.6771"W	6358.98	343.431	3.79	1.88	3.28
14186.00	90.220	326.740	7465.52	6378.34	6175.77	-1863.26	1711559.57	396606.30	39°35'3.8564"N	80°31'24.3260"W	6450.73	343.211	3.41	0.78	-3.32
14280.00	88.460	327.810	7466.61	6471.56	6254.84	-1914.08	1711508.76	396685.36	39°35'4.6321"N	80°31'24.9865"W	6541.16	342.985	2.19	-1.87	1.14
14375.00	88.030	326.760	7469.52	6565.74	6334.74	-1965.39	1711457.44	396765.25	39°35'5.4158"N	80°31'25.6535"W	6632.62	342.763	1.19	-0.45	-1.11
14470.00	88.120	328.360	7472.71	6659.96	6414.86	-2016.32	1711406.52	396845.37	39°35'6.2019"N	80°31'26.3156"W	6724.29	342.551	1.69	0.09	1.68
14565.00	88.430	327.480	7475.57	6754.27	6495.32	-2066.76	1711356.09	396925.83	39°35'6.9914"N	80°31'26.9714"W	6816.21	342.349	0.98	0.33	-0.93
14660.00	89.450	330.500	7477.33	6848.78	6576.72	-2115.68	1711307.17	397007.22	39°35'7.7903"N	80°31'27.6081"W	6908.64	342.167	3.35	1.07	3.18
14755.00	89.170	328.580	7478.47	6943.40	6658.60	-2163.84	1711259.02	397089.09	39°35'8.5940"N	80°31'28.2351"W	7001.36	341.997	2.04	-0.29	-2.02
14850.00	89.110	329.100	7479.90	7037.91	6739.88	-2212.99	1711209.87	397170.37	39°35'9.3918"N	80°31'28.8746"W	7093.89	341.823	0.55	-0.06	0.55
14945.00	89.170	328.740	7481.32	7132.42	6821.23	-2262.02	1711160.83	397251.72	39°35'10.1902"N	80°31'29.5128"W	7186.51	341.654	0.38	0.06	-0.38
15040.00	89.780	328.650	7482.19	7226.91	6902.40	-2311.38	1711111.48	397332.88	39°35'10.9868"N	80°31'30.1550"W	7279.12	341.486	0.65	0.64	-0.09
15135.00	90.000	329.890	7482.37	7321.50	6984.06	-2359.93	1711062.94	397414.63	39°35'11.7883"N	80°31'30.7869"W	7372.00	341.330	1.33	0.23	1.31
15230.00	88.370	328.870	7483.73	7416.09	7065.80	-2408.31	1711014.56	397496.27	39°35'12.5907"N	80°31'31.4167"W	7464.95	341.179	2.02	-1.72	-1.07
15325.00	89.720	328.400	7485.31	7510.55	7146.90	-2457.74	1710965.13	397577.37	39°35'13.3866"N	80°31'32.0599"W	7557.69	341.022	1.50	1.42	-0.49
15420.00	89.660	328.740	7485.82	7605.02	7227.96	-2507.28	1710915.59	397658.43	39°35'14.1821"N	80°31'32.7044"W	7650.49	340.869	0.36	-0.06	0.36
15515.00	89.350	329.600	7486.64	7699.59	7309.54	-2555.97	1710866.91	397739.99	39°35'14.9828"N	80°31'33.3381"W	7743.53	340.727	0.96	-0.33	0.91
15610.00	89.140	328.790	7487.90	7794.15	7391.12	-2604.61	1710818.27	397821.68	39°35'15.7836"N	80°31'33.9713"W	7836.63	340.588	0.88	-0.22	-0.85

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# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Weizel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 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]	Buid Rate [°/100ft]	Turn Rate [°/100ft]
15705.00	89.850	328.740	7488.73	7888.65	7472.35	-2653.87	1710769.01	397902.80	39°35'16.5807"N	80°31'34.6123"W	7929.63	340.447	0.75	0.75	-0.05
15800.00	88.830	329.200	7489.83	7983.18	7553.75	-2702.84	1710720.04	397984.19	39°35'17.3796"N	80°31'35.2496"W	8022.75	340.312	1.18	-1.07	0.48
15895.00	89.850	328.020	7490.92	8077.65	7634.84	-2752.32	1710670.57	398065.27	39°35'18.1754"N	80°31'35.8934"W	8115.79	340.176	1.64	1.07	-1.24
15990.00	89.480	329.260	7491.48	8172.13	7715.96	-2801.75	1710621.14	398146.39	39°35'18.9715"N	80°31'36.5367"W	8208.89	340.043	1.36	-0.39	1.31
16085.00	89.140	330.560	7492.62	8266.80	7798.15	-2849.38	1710573.51	398228.57	39°35'19.7784"N	80°31'37.1569"W	8302.41	339.928	1.41	-0.36	1.37
16180.00	90.060	329.540	7493.28	8361.50	7880.46	-2896.80	1710526.09	398310.88	39°35'20.5864"N	80°31'37.7747"W	8396.01	339.817	1.45	0.97	-1.07
16275.00	88.980	329.200	7494.08	8456.09	7962.20	-2945.20	1710477.70	398392.61	39°35'21.3888"N	80°31'38.4048"W	8489.45	339.701	1.19	-1.14	-0.36
16370.00	93.290	329.170	7492.20	8550.63	8043.75	-2993.85	1710429.05	398474.16	39°35'22.1892"N	80°31'39.0380"W	8582.83	339.585	4.54	4.54	-0.03
16465.00	88.980	327.970	7490.32	8645.05	8124.77	-3043.36	1710379.54	398555.18	39°35'22.9844"N	80°31'39.6823"W	8676.06	339.465	4.71	-4.54	-1.26
16560.00	91.510	328.200	7489.91	8739.43	8205.41	-3093.58	1710329.32	398635.81	39°35'23.7755"N	80°31'40.3355"W	8769.20	339.343	2.67	2.66	0.24
16655.00	88.830	327.940	7489.63	8833.80	8286.02	-3143.82	1710279.09	398716.42	39°35'24.5666"N	80°31'40.9889"W	8862.38	339.223	2.83	-2.82	-0.27
16750.00	89.880	328.360	7490.70	8928.19	8366.71	-3193.95	1710228.96	398797.11	39°35'25.3583"N	80°31'41.6410"W	8955.63	339.106	1.19	1.11	0.44
16845.00	90.120	328.580	7490.70	9022.64	8447.69	-3243.63	1710179.29	398878.08	39°35'26.1529"N	80°31'42.2873"W	9049.01	338.995	0.34	0.25	0.23
16941.00	89.570	328.890	7490.96	9118.13	8529.75	-3293.45	1710129.47	398960.13	39°35'26.9582"N	80°31'42.9357"W	9143.49	338.888	0.66	-0.57	0.32
17036.00	89.350	328.540	7491.85	9212.62	8610.93	-3342.78	1710080.14	399041.31	39°35'27.7549"N	80°31'43.5777"W	9237.01	338.784	0.44	-0.23	-0.37
17131.00	89.200	328.230	7493.06	9307.05	8691.82	-3392.58	1710030.35	399122.20	39°35'28.5488"N	80°31'44.2255"W	9330.46	338.678	0.36	-0.16	-0.33
17226.00	89.420	328.540	7494.20	9401.49	8772.72	-3442.37	1709980.55	399203.09	39°35'29.3426"N	80°31'44.8734"W	9423.93	338.575	0.40	0.23	0.33
17322.00	88.950	328.640	7495.57	9496.94	8854.64	-3492.40	1709930.53	399285.00	39°35'30.1465"N	80°31'45.5243"W	9518.49	338.475	0.50	-0.49	0.10
17417.00	89.780	329.050	7496.62	9591.46	8935.93	-3541.55	1709881.39	399366.29	39°35'30.9443"N	80°31'46.1640"W	9612.15	338.380	0.97	0.87	0.43
17512.00	89.910	330.900	7496.88	9686.14	9018.18	-3589.08	1709833.86	399448.53	39°35'31.7518"N	80°31'46.7831"W	9706.14	338.298	1.95	0.14	1.95
17607.00	89.690	329.690	7497.21	9780.87	9100.70	-3636.15	1709786.79	399531.04	39°35'32.5619"N	80°31'47.3965"W	9800.22	338.221	1.29	-0.23	-1.27
17702.00	89.750	329.980	7497.67	9875.53	9182.83	-3683.89	1709739.05	399613.17	39°35'33.3682"N	80°31'48.0182"W	9894.21	338.141	0.31	0.06	0.31
17797.00	90.250	330.190	7497.90	9970.24	9265.17	-3731.27	1709691.68	399695.56	39°35'34.1765"N	80°31'48.6355"W	9988.28	338.064	0.57	0.53	0.22
17892.00	90.060	330.490	7497.41	10064.97	9347.73	-3778.28	1709644.67	399778.06	39°35'34.9870"N	80°31'49.2480"W	10082.43	337.992	0.37	-0.20	0.32
17986.00	89.690	330.090	7497.62	10158.70	9429.37	-3824.87	1709598.09	399859.70	39°35'35.7886"N	80°31'49.8550"W	10175.59	337.921	0.58	-0.39	-0.43
18081.00	90.060	329.320	7497.83	10253.35	9511.39	-3872.79	1709550.17	399941.72	39°35'36.5938"N	80°31'50.4792"W	10269.62	337.845	0.90	0.39	-0.81
18176.00	89.850	329.430	7497.90	10347.95	9593.14	-3921.18	1709501.78	400023.46	39°35'37.3962"N	80°31'51.1093"W	10363.59	337.768	0.25	-0.22	0.12
18271.00	89.750	330.480	7498.23	10442.64	9675.38	-3968.75	1709454.21	400105.69	39°35'38.2035"N	80°31'51.7289"W	10457.72	337.697	1.11	-0.11	1.11
18366.00	89.780	329.310	7498.62	10537.31	9757.56	-4016.40	1709406.57	400187.87	39°35'39.0103"N	80°31'52.3496"W	10551.84	337.627	1.23	0.03	-1.23
18461.00	90.000	329.360	7498.80	10631.91	9839.28	-4064.85	1709358.12	400269.58	39°35'39.8123"N	80°31'52.9804"W	10645.86	337.553	0.24	0.23	0.05



# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 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]
18556.00	90.000	328.740	7498.80	10726.46	9920.75	-4113.70	1709309.26	400351.05	39°35'40.6119"N	80°31'53.6164"W	10739.82	337.478	0.65	0.00	-0.65
18651.00	90.370	329.300	7498.50	10821.00	10002.20	-4162.60	1709260.37	400432.49	39°35'41.4113"N	80°31'54.2530"W	10833.80	337.404	0.71	0.39	0.59
18745.00	90.800	330.450	7497.54	10914.68	10083.49	-4209.78	1709213.20	400513.78	39°35'42.2094"N	80°31'54.8675"W	10926.99	337.340	1.31	0.46	1.22
18840.00	89.720	327.960	7497.11	11009.24	10165.09	-4258.41	1709164.57	400595.37	39°35'43.0102"N	80°31'55.5007"W	11021.03	337.270	2.86	-1.14	-2.62
18935.00	90.250	329.170	7497.13	11103.71	10246.15	-4307.96	1709115.03	400676.42	39°35'43.8056"N	80°31'56.1454"W	11114.94	337.196	1.39	0.56	1.27
19030.00	90.400	329.240	7496.59	11198.28	10327.75	-4356.59	1709066.39	400758.02	39°35'44.6066"N	80°31'56.7786"W	11209.03	337.128	0.17	0.16	0.07
19125.00	90.280	329.360	7496.03	11292.87	10409.43	-4405.09	1709017.90	400839.70	39°35'45.4083"N	80°31'57.4102"W	11303.15	337.063	0.18	-0.13	0.13
19220.00	90.490	329.470	7495.39	11387.48	10491.22	-4453.43	1708969.56	400921.48	39°35'46.2110"N	80°31'58.0396"W	11397.31	336.999	0.25	0.22	0.12
19315.00	90.400	329.420	7494.65	11482.09	10573.02	-4501.72	1708921.27	401003.28	39°35'47.0140"N	80°31'58.6685"W	11491.49	336.937	0.11	-0.09	-0.05
19410.00	90.180	328.740	7494.17	11576.64	10654.52	-4550.54	1708872.46	401084.77	39°35'47.8138"N	80°31'59.3040"W	11585.60	336.873	0.75	-0.23	-0.72
19505.00	90.890	329.240	7493.29	11671.18	10735.94	-4599.48	1708823.52	401166.18	39°35'48.6129"N	80°31'59.9411"W	11679.71	336.809	0.91	0.75	0.53
19600.00	90.860	329.540	7491.83	11765.77	10817.69	-4647.84	1708775.16	401247.93	39°35'49.4153"N	80°32'0.5709"W	11773.91	336.749	0.32	-0.03	0.32
19695.00	90.490	329.830	7490.72	11860.42	10899.69	-4695.79	1708727.21	401329.93	39°35'50.2203"N	80°32'1.1955"W	11868.18	336.693	0.49	-0.39	0.31
19790.00	91.080	330.110	7489.41	11955.09	10981.93	-4743.33	1708679.68	401412.17	39°35'51.0276"N	80°32'1.8148"W	11962.53	336.639	0.69	0.62	0.29
19885.00	91.350	329.100	7487.40	12049.71	11063.86	-4791.38	1708631.63	401494.08	39°35'51.8318"N	80°32'2.4407"W	12056.79	336.584	1.10	0.28	-1.06
19979.00	89.540	327.100	7486.67	12143.09	11143.65	-4841.05	1708581.96	401573.87	39°35'52.6147"N	80°32'3.0868"W	12149.76	336.519	2.87	-1.93	-2.13
20074.00	90.830	328.920	7486.36	12237.45	11224.22	-4891.38	1708531.64	401654.44	39°35'53.4052"N	80°32'3.7415"W	12243.72	336.453	2.35	1.36	1.92
20169.00	90.460	330.050	7485.29	12332.06	11306.05	-4939.61	1708483.41	401736.27	39°35'54.2084"N	80°32'4.3697"W	12338.01	336.400	1.25	-0.39	1.19
20264.00	89.970	329.950	7484.94	12426.75	11388.32	-4987.11	1708435.91	401818.53	39°35'55.0161"N	80°32'4.9886"W	12432.43	336.351	0.53	-0.52	-0.11
20359.00	89.600	329.100	7485.29	12521.37	11470.20	-5035.29	1708387.74	401900.40	39°35'55.8197"N	80°32'5.6161"W	12526.76	336.299	0.98	-0.39	-0.89
20454.00	90.430	329.060	7485.27	12615.93	11551.70	-5084.10	1708338.93	401981.90	39°35'56.6195"N	80°32'6.2516"W	12621.01	336.245	0.87	0.87	-0.04
20549.00	90.280	328.660	7484.68	12710.45	11633.01	-5133.23	1708289.80	402063.20	39°35'57.4175"N	80°32'6.8911"W	12715.22	336.190	0.45	-0.16	-0.42
20644.00	90.710	329.920	7483.86	12805.03	11714.68	-5181.74	1708241.29	402144.87	39°35'58.2191"N	80°32'7.5229"W	12809.53	336.139	1.40	0.45	1.33
20738.00	89.690	327.230	7483.53	12898.50	11794.88	-5230.75	1708192.29	402225.07	39°35'59.0061"N	80°32'8.1607"W	12902.71	336.084	3.06	-1.09	-2.86
20833.00	90.030	330.430	7483.76	12993.00	11876.16	-5279.91	1708143.13	402306.34	39°35'59.8037"N	80°32'8.8007"W	12996.94	336.031	3.39	0.36	3.37
20928.00	89.820	330.430	7483.89	13087.75	11958.78	-5326.79	1708096.25	402388.96	39°36'0.6149"N	80°32'9.4117"W	13091.49	335.990	0.22	-0.22	0.00
21023.00	89.970	329.870	7484.06	13182.46	12041.18	-5374.08	1708048.97	402471.35	39°36'1.4238"N	80°32'10.0279"W	13186.00	335.948	0.61	0.16	-0.59
21118.00	90.250	329.840	7483.88	13277.13	12123.33	-5421.78	1708001.27	402553.50	39°36'2.2303"N	80°32'10.6494"W	13280.47	335.905	0.30	0.29	-0.03
21213.00	89.940	329.720	7483.72	13371.79	12205.42	-5469.60	1707953.45	402635.58	39°36'3.0361"N	80°32'11.2723"W	13374.93	335.861	0.35	-0.33	-0.13
21308.00	90.370	328.690	7483.45	13466.37	12287.02	-5518.24	1707904.82	402717.18	39°36'3.8370"N	80°32'11.9056"W	13469.29	335.815	1.17	0.45	-1.08

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# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH DATA (270 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
21402.00	90.430	329.310	7482.81	13559.91	12367.60	-5566.65	1707856.41	402797.74	39°36'4.6277"N	80°32'12.5360"W	13562.63	335.768	0.66	0.06	0.66
21498.00	90.280	329.620	7482.21	13655.52	12450.28	-5615.42	1707807.64	402880.42	39°36'5.4393"N	80°32'13.1712"W	13658.05	335.723	0.36	-0.16	0.32
21593.00	89.820	329.200	7482.13	13750.13	12532.06	-5663.77	1707759.30	402962.20	39°36'6.2419"N	80°32'13.8008"W	13752.48	335.680	0.66	-0.48	-0.44
21687.00	89.880	327.830	7482.38	13843.59	12612.22	-5712.86	1707710.21	403042.35	39°36'7.0285"N	80°32'14.4398"W	13845.75	335.631	1.46	0.06	-1.46
21781.00	90.520	327.460	7482.05	13936.89	12691.62	-5763.16	1707659.91	403121.75	39°36'7.8075"N	80°32'15.0941"W	13938.84	335.578	0.79	0.68	-0.39
21876.00	90.120	327.610	7481.52	14031.17	12771.78	-5814.16	1707608.92	403201.90	39°36'8.5938"N	80°32'15.7574"W	14032.91	335.523	0.45	-0.42	0.16
21971.00	90.430	326.970	7481.06	14125.39	12851.71	-5865.49	1707557.58	403281.83	39°36'9.3779"N	80°32'16.4250"W	14126.94	335.468	0.75	0.33	-0.67
22066.00	90.340	326.740	7480.42	14219.52	12931.25	-5917.43	1707505.65	403361.36	39°36'10.1580"N	80°32'17.1003"W	14220.87	335.411	1.26	-0.09	-0.24
22162.00	90.400	327.950	7479.80	14314.74	13012.07	-5969.23	1707453.85	403442.18	39°36'10.9508"N	80°32'17.7739"W	14315.93	335.357	1.26	0.06	1.26
22257.00	90.340	327.570	7479.19	14409.06	13092.42	-6019.91	1707403.18	403522.53	39°36'11.7391"N	80°32'18.4332"W	14410.09	335.307	0.40	-0.06	-0.40
22352.00	90.340	327.090	7478.63	14503.29	13172.39	-6071.19	1707351.90	403602.49	39°36'12.5235"N	80°32'19.1001"W	14504.18	335.255	0.51	0.00	-0.51
22447.00	90.580	328.190	7477.86	14597.58	13252.63	-6122.03	1707301.06	403682.73	39°36'13.3107"N	80°32'19.7614"W	14598.34	335.205	1.19	0.25	1.16
22542.00	90.550	328.230	7476.93	14691.98	13333.38	-6172.08	1707251.02	403763.47	39°36'14.1030"N	80°32'20.4127"W	14692.64	335.160	0.05	-0.03	0.04
22638.00	90.620	328.310	7475.95	14787.39	13415.03	-6222.56	1707200.53	403845.11	39°36'14.9041"N	80°32'21.0697"W	14787.94	335.116	0.11	0.07	0.08
22733.00	90.740	328.290	7474.82	14881.80	13495.85	-6272.48	1707150.62	403925.98	39°36'15.6971"N	80°32'21.7193"W	14882.27	335.072	0.13	0.13	-0.02
22827.00	90.620	328.280	7473.70	14975.22	13575.81	-6321.89	1707101.21	404005.93	39°36'16.4816"N	80°32'22.3624"W	14975.61	335.030	0.13	-0.13	-0.01
22922.00	90.150	328.410	7473.07	15069.65	13656.67	-6371.75	1707051.36	404086.74	39°36'17.2750"N	80°32'23.0112"W	15069.96	334.988	0.51	-0.49	0.14
23017.00	89.910	327.410	7473.02	15164.00	13737.15	-6422.21	1707000.90	404167.22	39°36'18.0647"N	80°32'23.6679"W	15164.24	334.944	1.08	-0.25	-1.05
23112.00	90.090	328.550	7473.02	15258.36	13817.70	-6472.58	1706950.53	404247.76	39°36'18.8549"N	80°32'24.3233"W	15258.54	334.900	1.21	0.19	1.20
23207.00	89.850	329.370	7473.07	15352.90	13899.10	-6521.57	1706901.55	404329.15	39°36'19.6537"N	80°32'24.9611"W	15353.04	334.864	0.90	-0.25	0.86
23302.00	90.090	329.680	7473.12	15447.52	13980.97	-6569.75	1706853.37	404411.02	39°36'20.4573"N	80°32'25.5887"W	15447.63	334.831	0.41	0.25	0.33
23397.00	90.060	329.770	7472.99	15542.17	14063.01	-6617.64	1706805.48	404493.06	39°36'21.2626"N	80°32'26.2127"W	15542.25	334.800	0.10	-0.03	0.09
23492.00	90.520	329.050	7472.51	15636.78	14144.79	-6665.99	1706757.14	404574.83	39°36'22.0652"N	80°32'26.8425"W	15636.83	334.767	0.90	0.48	-0.76
23589.00	90.660	329.620	7471.49	15733.36	14228.22	-6715.46	1706707.67	404658.26	39°36'22.8841"N	80°32'27.4868"W	15733.39	334.734	0.61	0.16	0.59
23683.00	90.650	329.160	7470.40	15826.96	14309.12	-6763.32	1706659.81	404739.15	39°36'23.6781"N	80°32'28.1102"W	15826.98	334.702	0.49	-0.03	-0.49
23778.00	90.650	329.690	7469.33	15921.57	14390.90	-6811.64	1706611.50	404820.93	39°36'24.4808"N	80°32'28.7396"W	15921.57	334.670	0.56	0.00	0.56
23873.00	90.690	329.650	7468.05	16016.20	14472.89	-6859.61	1706563.53	404902.92	39°36'25.2856"N	80°32'29.3646"W	16016.21	334.641	0.26	0.25	-0.04
23968.00	90.220	329.310	7467.13	16110.82	14554.73	-6907.85	1706515.29	404984.74	39°36'26.0887"N	80°32'29.9930"W	16110.82	334.610	0.79	-0.71	-0.36
24063.00	90.980	329.480	7466.45	16175.54	14610.67	-6940.94	1706468.20	405040.68	39°36'26.6378"N	80°32'30.4241"W	16175.55	334.589	1.20	1.17	0.26
24058.00†	90.980	329.480	7466.02	16200.44	14632.20	-6953.63	1706469.51	405062.21	39°36'26.8491"N	80°32'30.5894"W	16200.44	334.582	0.00	0.00	0.00

## WELL & CASING SECTIONS - Ref Wellbore: BIG 464 11H AWB Ref Wellpath: BIG 464 11H AWP Proj: 24058'

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]

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**HOLE & CASING SECTIONS - Ref Wellbore: BIG 464 11H AWB Ref Wellpath: BIG 464 11H AWP Proj: 24058'**

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	-0.03
17.5in Open Hole	68.00	1083.00	1015.00	68.00	1083.00	-0.01	-0.03	-1.17	-1.77
13.375in Casing Surface	28.00	1053.00	1025.00	28.00	1053.00	0.00	0.00	-1.17	-1.74
12.25in Open Hole	1083.00	2508.00	1425.00	1083.00	2501.38	-1.17	-1.77	4.29	121.46
9.625in Casing Intermediate	28.00	2478.00	2450.00	28.00	2471.58	0.00	0.00	3.36	118.15
8.75in Open Hole	2508.00	6960.00	4452.00	2501.38	6734.69	4.29	121.46	260.20	1451.62
8.5in Open Hole	6960.00	24058.00	17098.00	6734.69	7466.02	260.20	1451.62	14632.20	-6953.63
5.5in Casing Production	28.00	24028.00	24000.00	28.00	7466.53	0.00	0.00	14606.36	-6938.40

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# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BIG 464 11H BHL Rev-2	7426.00	14636.64	-6943.83	1706479.31	405066.65	39°36'26.8941"N	80°32'30.4649"W	point
BIG 464 11H LP Rev-2	7426.00	919.22	1298.78	1714721.42	391350.06	39°34'12.2619"N	80°30'43.1860"W	point
BIG 464 HL 1 Rev-2	7750.00	14241.22	-11542.92	1701880.50	404671.25	39°36'22.4552"N	80°33'29.1613"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 L&A 3 Rev-2	7750.00	10937.54	-7411.70	1706011.47	401367.78	39°35'50.2841"N	80°32'35.8934"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 HARDLINE 4	8000.00	16422.76	-7256.15	1706167.01	406852.66	39°36'44.5097"N	80°32'34.7199"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 L&A 1	8000.00	6198.04	-6850.24	1706572.89	396628.56	39°35'3.5101"N	80°32'28.0198"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 L&A 4	8000.00	11309.27	-3642.44	1709780.50	401739.49	39°35'54.3875"N	80°31'47.8003"W	polygon
2D Polygon: dimensions not calculated								
BIG 464 TEMP 2	8000.00	10860.29	-9803.09	1703620.23	401290.53	39°35'49.2451"N	80°33'6.4287"W	polygon
2D Polygon: dimensions not calculated								

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# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 11H (L-004018)
Field	Wetzel	API	47-103-03436
Facility	Big 464 Pad	Wellbore	BIG 464 11H AWB
Slot	Slot #11		

## WELLPATH COMPOSITION - Ref Wellbore: BIG 464 11H AWB Ref Wellpath: BIG 464 11H AWP Proj: 24058'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1057.00	Gyrodata 2015 - CT+WIR+ALC	01_Gyro [Gyro Data-CT+WIR+ALC] <17.5"> (115'-1057')	BIG 464 11H AWB	3/23/2022
1057.00	2422.00	OWSG MWD rev2 - Standard	02_SDI MWD [OWSG-Standard] <12.25"> (1057')(1129'-2422')	BIG 464 11H AWB	3/23/2022
2422.00	6883.00	OWSG MWD rev2 - Standard	03_SDI MWD [OWSG-Standard] <8.75"> (2422')(2505'-6883')	BIG 464 11H AWB	3/23/2022
6883.00	24058.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	04_BH AT Curve+H&P IFR1+MSA <8-1/2"> (6883')(6970'-24033')	BIG 464 11H AWB	5/5/2022

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# Actual Wellpath Report

BIG 464 11H AWP Proj: 24058'

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## REFERENCE WELLPATH IDENTIFICATION

EQT PRODUCTION COMPANY	
Operator	BIG 464 11H (L-004018)
Field	47-103-03436
Facility	Wellbore
Slot	BIG 464 11H AWB
	Slot #11

## COMMENTS

### Wellpath general comments

API: 47103034360000

BH Job #: 111294598

Rig: Patterson 294

Duration: 5/8/2022 - 5/12/2022

- 01\_Gyro [Gyro Data-CT+WIR+ALC] <17.5"> (115'-1057')
- 02\_SDI MWD [OWSG-Standard] <12.25"> (1057')(1129'-2422')
- 03\_SDI MWD [OWSG-Standard] <8.75"> (2422')(2505'-6883')
- 04\_BH AT Curve+H&P IFR1+MSA <8-1/2"> (6883')(6970'- 24033')

KOP = 1172' MD / 1172' TVD

Tie on to SDI MWD = 6883' MD / 6661.85' TVD

Marcellus

Landing Point = 8014' MD / 7430.72' TVD

Deepest Point of Well = 18461' MD / 7498.80' TVD

Final Survey = 24033' MD / 7466.45' TVD

Projection to TD = 24058' MD / 7466.02' TVD

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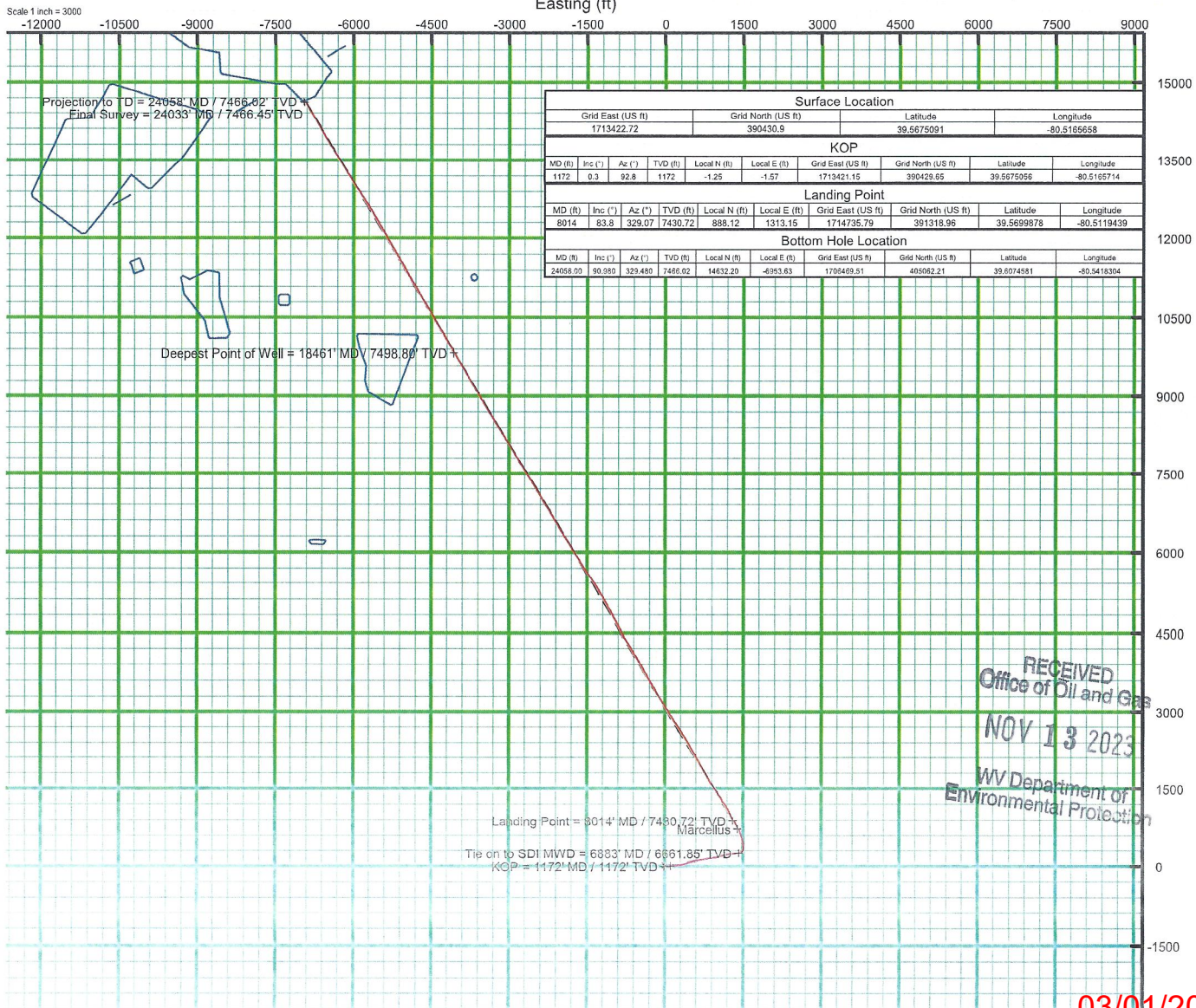
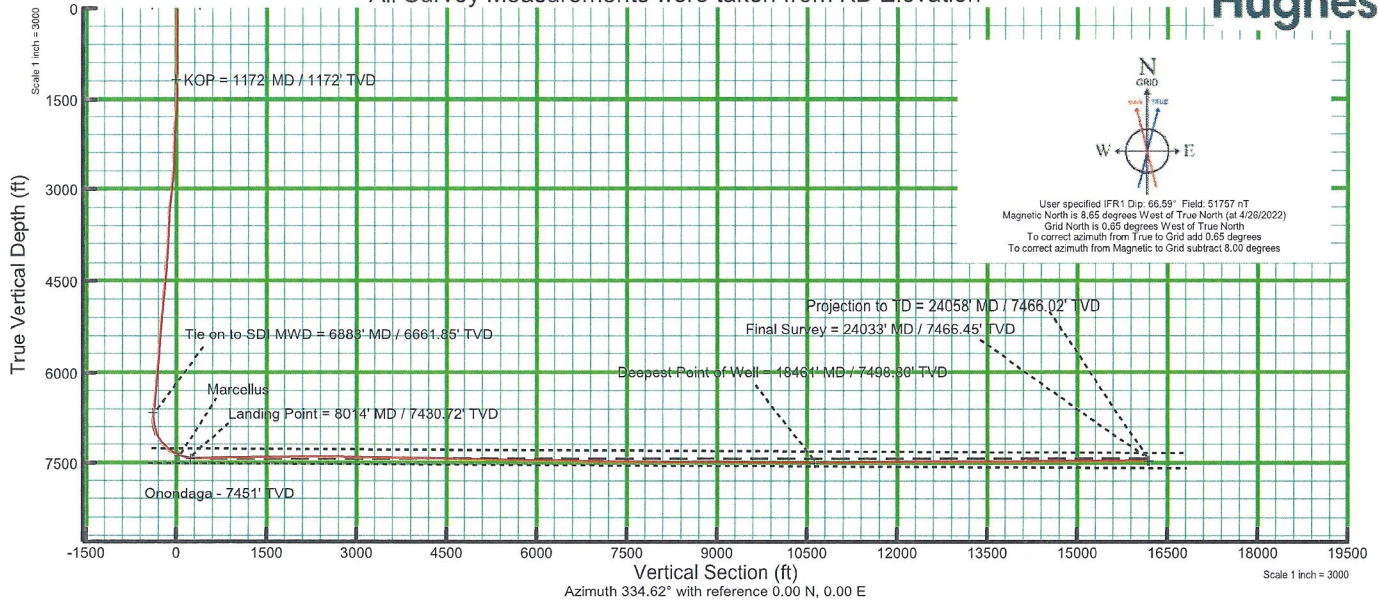
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KB Elevation=1274 FT  
Ground Elevation=1246 FT

All Survey Measurements were taken from KB Elevation



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