

Actual Wellpath Report

BIG 464 9H AWP Proj: 23895'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

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	5/12/2022 at 3:51:16 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	21.27	15.94	1713414.48	390443.43	39°34'3.1557"N	80°30'59.7440"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 #09)	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	331.03°

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03/01/2024





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Slot	Slot #09		

WELLPATH DATA (266 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
0.00†	0.000	324.760	0.00	0.00	0.00	0.00	1713414.48	390443.43	39°34'3.1557"N	80°30'59.7440"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	324.760	28.00	0.00	0.00	0.00	1713414.48	390443.43	39°34'3.1557"N	80°30'59.7440"W	0.00	0.000	0.00	0.00	0.00
115.00	0.210	324.760	115.00	0.16	0.13	-0.09	1713414.39	390443.56	39°34'3.1570"N	80°30'59.7452"W	0.16	324.760	0.24	0.24	0.00
215.00	0.280	332.350	215.00	0.58	0.50	-0.31	1713414.17	390443.93	39°34'3.1606"N	80°30'59.7481"W	0.59	327.918	0.08	0.07	7.59
315.00	0.210	334.880	315.00	1.01	0.88	-0.50	1713413.98	390444.31	39°34'3.1643"N	80°30'59.7506"W	1.01	330.242	0.07	-0.07	2.51
415.00	0.250	328.050	415.00	1.41	1.23	-0.70	1713413.78	390444.66	39°34'3.1678"N	80°30'59.7531"W	1.41	330.502	0.05	0.04	-6.81
515.00	0.230	359.930	515.00	1.81	1.62	-0.81	1713413.67	390445.05	39°34'3.1716"N	80°30'59.7546"W	1.81	333.332	0.13	-0.02	31.88
615.00	0.070	28.770	615.00	2.01	1.87	-0.78	1713413.70	390445.30	39°34'3.1741"N	80°30'59.7543"W	2.03	337.298	0.17	-0.16	28.84
715.00	0.190	350.470	715.00	2.20	2.09	-0.78	1713413.70	390445.30	39°34'3.1762"N	80°30'59.7543"W	2.23	339.499	0.14	0.12	-38.30
815.00	0.130	339.920	815.00	2.47	2.36	-0.85	1713413.63	390445.79	39°34'3.1789"N	80°30'59.7552"W	2.50	340.240	0.07	-0.06	-10.55
915.00	0.210	354.170	914.99	2.75	2.65	-0.90	1713413.58	390446.08	39°34'3.1817"N	80°30'59.7560"W	2.80	341.131	0.09	0.08	14.25
1015.00	0.310	339.200	1014.99	3.19	3.08	-1.02	1713413.46	390446.51	39°34'3.1860"N	80°30'59.7575"W	3.25	341.700	0.12	0.10	-14.97
1085.00	0.410	14.310	1084.99	3.56	3.50	-1.02	1713413.46	390446.93	39°34'3.1902"N	80°30'59.7576"W	3.65	343.691	0.34	0.14	50.16
1128.00	0.440	8.260	1127.99	3.80	3.81	-0.96	1713413.52	390447.24	39°34'3.1933"N	80°30'59.7569"W	3.93	345.833	0.13	0.07	-14.07
1171.00	0.630	56.020	1170.99	3.95	4.11	-0.74	1713413.74	390447.54	39°34'3.1962"N	80°30'59.7541"W	4.18	349.753	1.09	0.44	111.07
1214.00	1.370	71.200	1213.98	3.88	4.41	-0.06	1713414.42	390447.84	39°34'3.1992"N	80°30'59.7454"W	4.41	359.219	1.81	1.72	35.30
1257.00	1.760	77.470	1256.97	3.61	4.72	1.07	1713415.55	390448.15	39°34'3.2024"N	80°30'59.7310"W	4.84	12.798	0.99	0.91	14.58
1300.00	2.550	82.770	1299.94	3.07	4.98	2.66	1713417.14	390448.41	39°34'3.2052"N	80°30'59.7107"W	5.65	28.155	1.89	1.84	12.33
1343.00	3.260	87.400	1342.88	2.17	5.15	4.84	1713419.31	390448.58	39°34'3.2072"N	80°30'59.6830"W	7.07	43.166	1.74	1.65	10.77
1429.00	4.570	81.810	1428.68	-0.13	5.75	10.67	1713425.15	390449.18	39°34'3.2137"N	80°30'59.6086"W	12.12	61.662	1.58	1.52	-6.50
1515.00	4.610	91.230	1514.40	-3.09	6.17	17.52	1713431.99	390449.60	39°34'3.2186"N	80°30'59.5213"W	18.57	70.601	0.88	0.05	10.95
1601.00	4.130	107.580	1600.16	-7.07	5.16	23.92	1713438.40	390448.59	39°34'3.2093"N	80°30'59.4393"W	24.47	77.833	1.55	-0.56	19.01
1688.00	3.870	108.230	1686.94	-11.50	3.29	29.70	1713444.18	390446.72	39°34'3.1916"N	80°30'59.3653"W	29.88	83.672	0.30	-0.30	0.75
1774.00	3.250	89.230	1772.78	-14.78	2.42	34.89	1713449.37	390445.85	39°34'3.1835"N	80°30'59.2988"W	34.98	86.035	1.54	-0.72	-22.09
1860.00	3.810	71.310	1858.62	-16.45	3.37	40.04	1713454.51	390446.80	39°34'3.1934"N	80°30'59.2333"W	40.18	85.193	1.43	0.65	-20.84
1946.00	4.350	76.470	1944.40	-17.82	5.05	45.91	1713460.39	390448.48	39°34'3.2107"N	80°30'59.1585"W	46.19	83.729	0.76	0.63	6.00
2032.00	4.150	82.350	2030.17	-19.82	6.22	52.17	1713466.65	390449.65	39°34'3.2230"N	80°30'59.0788"W	52.94	83.198	0.56	-0.23	6.84
2119.00	3.940	400.790	2117.00	-22.44	6.21	57.56	1713472.03	390449.64	39°34'3.2235"N	80°30'59.0100"W	57.89	83.839	1.82	-1.28	21.09
2205.00	4.780	134.790	2202.93	-24.96	5.01	60.59	1713475.06	390448.44	39°34'3.2120"N	80°30'58.9712"W	60.79	85.275	2.32	-1.81	39.62
2291.00	4.970	148.960	2288.91	-26.62	3.72	61.68	1713476.15	390447.15	39°34'3.1994"N	80°30'58.9570"W	61.79	86.545	0.87	-0.81	16.50
2378.00	4.116	67.280	2375.90	-27.30	3.54	62.76	1713477.24	390446.97	39°34'3.1977"N	80°30'58.9432"W	62.86	86.770	1.45	0.38	-93.89
2428.00	2.080	48.870	2425.89	-27.16	4.33	63.89	1713478.37	390447.76	39°34'3.2056"N	80°30'58.9289"W	64.04	86.126	2.17	1.94	-36.82
2506.00	2.970	47.600	2503.81	-26.40	6.59	66.42	1713480.89	390450.02	39°34'3.2283"N	80°30'58.8969"W	66.74	84.332	1.07	1.06	-1.63
2549.00	2.970	50.150	2546.75	-25.94	8.04	68.08	1713482.56	390451.47	39°34'3.2428"N	80°30'58.8759"W	68.55	83.263	0.33	0.14	5.93
2593.00	3.400	55.860	2590.69	-25.61	9.50	70.03	1713484.51	390452.93	39°34'3.2575"N	80°30'58.8512"W	70.68	82.271	1.21	0.98	12.98

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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]
2636.00	4.210	70.390	2633.59	-25.75	10.75	72.58	1713487.05	390454.18	39°34'3.2700"N	80°30'58.8189"W	73.37	81.575	2.91	1.88	33.79
2679.00	5.180	78.460	2676.45	-26.59	11.67	75.97	1713490.44	390455.10	39°34'3.2795"N	80°30'58.7758"W	76.86	81.268	2.72	2.26	18.77
2765.00	7.180	81.050	2761.94	-29.59	13.28	85.08	1713499.55	390456.71	39°34'3.2965"N	80°30'58.6596"W	86.11	81.128	2.35	2.33	3.01
2851.00	8.230	77.600	2847.17	-33.18	15.44	96.40	1713510.87	390458.87	39°34'3.3190"N	80°30'58.5154"W	97.63	80.901	1.33	1.22	-4.01
2938.00	8.030	74.740	2933.29	-36.40	18.38	108.34	1713522.82	390461.80	39°34'3.3494"N	80°30'58.3633"W	109.89	80.374	0.52	-0.23	-3.29
3024.00	7.910	73.150	3018.46	-39.07	21.67	119.80	1713534.28	390465.10	39°34'3.3833"N	80°30'58.2175"W	121.75	79.746	0.29	-0.14	-1.85
3110.00	7.550	73.800	3103.68	-41.56	24.96	130.89	1713545.36	390468.39	39°34'3.4170"N	80°30'58.0764"W	133.25	79.202	0.43	-0.42	0.76
3197.00	6.930	71.270	3189.99	-43.75	28.24	141.35	1713555.82	390471.67	39°34'3.4506"N	80°30'57.9433"W	144.15	78.701	0.80	-0.71	-2.91
3283.00	6.270	69.790	3275.42	-45.39	31.53	150.67	1713565.14	390474.96	39°34'3.4841"N	80°30'57.8248"W	153.94	78.180	0.79	-0.77	-1.72
3369.00	5.710	66.410	3360.95	-46.51	34.87	159.00	1713573.47	390478.29	39°34'3.5180"N	80°30'57.7189"W	162.78	77.632	0.77	-0.65	-3.93

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Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

WELLPATH DATA (266 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]
3455.00	6.130	72.510	3446.49	-47.82	37.96	167.30	1713581.77	390481.39	39°34'3.5495"N	80°30'57.6134"W	171.55	77.217	0.88	0.49	7.09
3541.00	6.540	71.800	3531.96	-49.65	40.87	176.33	1713590.80	390484.30	39°34'3.5793"N	80°30'57.4985"W	181.01	76.951	0.49	0.48	-0.83
3628.00	6.030	69.900	3618.44	-51.28	43.99	185.33	1713599.80	390487.41	39°34'3.6111"N	80°30'57.3840"W	190.48	76.649	0.63	-0.59	-2.18
3714.00	6.740	74.460	3703.91	-53.15	46.89	194.43	1713608.90	390490.32	39°34'3.6408"N	80°30'57.2682"W	200.01	76.441	1.01	0.83	5.30
3801.00	7.510	76.230	3790.23	-55.83	49.61	204.88	1713619.34	390493.04	39°34'3.6689"N	80°30'57.1353"W	210.80	76.388	0.92	0.89	2.03
3887.00	6.840	71.430	3875.56	-58.23	52.58	215.19	1713629.66	390496.01	39°34'3.6994"N	80°30'57.0040"W	221.52	76.269	1.04	-0.78	-5.58
3973.00	7.630	77.660	3960.90	-60.73	55.39	225.44	1713639.91	390498.82	39°34'3.7283"N	80°30'56.8735"W	232.14	76.196	1.09	0.63	7.24
4059.00	7.630	81.630	4046.16	-64.32	57.40	236.48	1713650.95	390500.83	39°34'3.7494"N	80°30'56.7328"W	243.35	76.356	0.67	0.29	4.62
4145.00	7.100	78.730	4131.45	-67.95	59.27	247.34	1713661.81	390502.70	39°34'3.7691"N	80°30'56.5944"W	254.35	76.524	0.75	-0.62	-3.37
4231.00	6.170	76.240	4216.88	-70.77	61.41	257.05	1713671.51	390504.84	39°34'3.7913"N	80°30'56.4708"W	264.28	76.563	1.13	-1.08	-2.90
4318.00	6.880	78.460	4303.31	-73.56	63.57	266.69	1713681.16	390506.99	39°34'3.8137"N	80°30'56.3480"W	274.16	76.594	0.87	0.82	2.55
4405.00	7.000	80.900	4389.68	-76.92	65.45	277.03	1713691.50	390508.87	39°34'3.8334"N	80°30'56.2162"W	284.66	76.708	0.37	0.14	2.80
4491.00	6.370	77.060	4475.09	-80.02	67.34	286.86	1713701.32	390510.77	39°34'3.8533"N	80°30'56.0911"W	294.66	76.788	0.90	-0.73	-4.47
4577.00	6.060	71.200	4560.59	-82.14	69.87	295.80	1713710.27	390513.30	39°34'3.8793"N	80°30'55.9772"W	303.95	76.709	0.82	-0.36	-6.81
4663.00	6.710	73.550	4646.05	-84.03	72.76	304.92	1713719.38	390516.19	39°34'3.9088"N	80°30'55.8612"W	313.48	76.579	0.81	0.76	2.73
4750.00	7.510	73.880	4732.38	-86.40	75.78	315.26	1713729.72	390519.20	39°34'3.9398"N	80°30'55.7297"W	324.24	76.484	0.92	0.92	0.38
4836.00	7.340	68.020	4817.66	-88.32	79.40	325.75	1713740.21	390522.82	39°34'3.9767"N	80°30'55.5962"W	335.29	76.302	0.90	-0.20	-6.81
4922.00	8.220	69.860	4902.87	-89.93	83.57	336.62	1713751.08	390526.99	39°34'4.0192"N	80°30'55.4581"W	346.84	76.058	1.06	1.02	2.14
5009.00	9.150	70.180	4988.87	-91.98	88.06	348.96	1713763.42	390531.48	39°34'4.0649"N	80°30'55.3011"W	359.90	75.838	1.07	1.07	0.37
5086.00	8.880	61.640	5064.93	-93.02	92.95	359.95	1713774.41	390536.38	39°34'4.1145"N	80°30'55.1614"W	371.76	75.520	1.77	-0.35	-11.09
5172.00	7.350	65.670	5150.06	-93.54	98.37	370.81	1713785.27	390541.80	39°34'4.1693"N	80°30'55.0236"W	383.64	75.142	1.90	-1.78	4.69
5259.00	6.690	74.520	5236.41	-95.17	102.02	380.76	1713795.22	390545.44	39°34'4.2065"N	80°30'54.8970"W	394.19	75.001	1.45	-0.76	10.17
5345.00	6.170	76.260	5321.87	-97.55	104.45	390.08	1713804.54	390549.88	39°34'4.2316"N	80°30'54.7784"W	403.82	75.009	0.65	-0.60	2.02
5432.00	6.540	79.190	5408.34	-100.32	106.49	399.49	1713813.94	390554.92	39°34'4.2528"N	80°30'54.6586"W	413.44	75.073	0.57	0.43	3.37
5518.00	6.640	81.030	5493.77	-103.56	108.19	409.21	1713823.67	390551.61	39°34'4.2706"N	80°30'54.5347"W	423.27	75.191	0.27	0.12	2.14
5604.00	6.280	72.790	5579.22	-106.21	110.35	418.62	1713833.07	390553.78	39°34'4.2931"N	80°30'54.4149"W	432.92	75.232	1.16	-0.42	-9.58
5690.00	6.340	75.940	5664.70	-108.39	112.90	427.71	1713842.17	390556.32	39°34'4.3192"N	80°30'54.2991"W	442.36	75.213	0.41	0.07	3.66
5776.00	6.440	77.990	5750.17	-110.78	115.30	436.98	1713851.43	390558.73	39°34'4.3440"N	80°30'54.1812"W	451.93	75.219	0.17	0.12	-1.10
5863.00	6.950	72.410	5836.66	-112.84	117.93	445.99	1713860.44	390561.35	39°34'4.3710"N	80°30'54.0665"W	461.32	75.189	0.65	-0.56	-2.97
5949.00	6.570	65.880	5922.22	-114.08	121.01	454.12	1713868.57	390564.43	39°34'4.4023"N	80°30'53.9632"W	469.96	75.079	0.83	-0.33	-7.59
6035.00	6.450	70.920	6007.74	-115.27	124.33	462.56	1713877.75	390567.75	39°34'4.4361"N	80°30'53.8559"W	478.98	74.956	1.10	0.91	5.86
6121.00	8.020	82.610	6093.06	-118.31	126.68	473.08	1713887.53	390570.10	39°34'4.4605"N	80°30'53.7219"W	489.74	75.009	2.49	1.83	13.59
6208.00	8.890	86.550	6179.11	-123.44	127.86	485.80	1713900.25	390571.29	39°34'4.4736"N	80°30'53.5596"W	502.35	75.254	1.20	1.00	4.53
6294.00	9.920	83.550	6263.95	-129.14	129.10	499.80	1713914.25	390572.52	39°34'4.4873"N	80°30'53.3811"W	516.20	75.517	1.33	1.20	-3.49
6380.00	10.270	79.820	6348.62	-134.44	131.28	514.71	1713929.15	390574.70	39°34'4.5106"N	80°30'53.1910"W	531.18	75.691	0.86	0.41	-4.34

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WELLPATH DATA (266 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]
6466.00	10.650	73.690	6433.20	-138.65	134.87	529.88	1713944.33	390578.29	39°34'4.5478"N	80°30'52.9978"W	546.77	75.720	1.37	0.44	-7.13
6520.00	10.980	72.160	6486.24	-140.74	137.85	539.56	1713954.01	390581.27	39°34'4.5783"N	80°30'52.8746"W	556.89	75.669	0.81	0.61	-2.83
6591.00	11.070	67.970	6555.93	-142.87	142.47	552.32	1713966.76	390585.90	39°34'4.6254"N	80°30'52.7124"W	570.40	75.535	1.14	0.13	-5.90
6686.00	12.220	14.490	6649.23	-136.66	155.67	563.32	1713977.76	390599.09	39°34'4.7570"N	80°30'52.5738"W	584.43	74.552	11.02	1.21	-56.29
6781.00	12.290	341.480	6742.18	-119.39	175.01	562.62	1713977.07	390618.43	39°34'4.9481"N	80°30'52.5855"W	589.21	72.721	7.28	0.07	-34.75
6876.00	12.480	332.800	6834.97	-99.19	193.73	554.72	1713969.16	390637.15	39°34'5.1322"N	80°30'52.6892"W	587.57	70.749	1.97	0.20	-9.14
6971.00	13.790	333.000	6927.49	-77.61	212.95	544.89	1713959.33	390656.37	39°34'5.3211"N	80°30'52.8175"W	585.02	68.654	1.38	1.38	0.21
7066.00	21.640	327.990	7017.92	-48.76	237.93	530.44	1713944.88	390681.35	39°34'5.5663"N	80°30'53.0056"W	581.36	65.841	8.41	8.26	-5.27
7161.00	30.740	333.990	7103.09	-6.92	274.69	510.46	1713924.91	390718.10	39°34'5.9274"N	80°30'53.2659"W	579.67	61.714	9.97	9.58	6.32
7256.00	39.840	329.830	7180.56	47.87	322.93	484.46	1713898.91	390766.34	39°34'6.4012"N	80°30'53.6049"W	582.22	56.314	9.90	9.58	-4.38

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Actual Wellpath Report

BIG 464 9H AWP Proj: 23895'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

WELLPATH DATA (266 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]
7351.00	48.340	330.060	7248.73	113.90	380.09	451.39	1713865.85	390823.50	39°34'6.9624"N	80°30'54.0353"W	590.11	49.901	8.95	8.95	0.24
7446.00	60.020	330.660	7304.23	190.79	446.94	413.39	1713827.85	390890.34	39°34'7.6188"N	80°30'54.5302"W	608.81	42.767	12.31	12.29	0.63
7541.00	64.910	330.560	7348.14	275.00	520.32	372.06	1713786.52	390963.71	39°34'8.3393"N	80°30'55.0685"W	639.65	35.567	5.15	5.15	-0.11
7636.00	71.650	330.640	7383.27	363.20	597.16	328.76	1713743.22	391040.55	39°34'9.0939"N	80°30'55.6325"W	681.68	28.835	7.10	7.09	0.08
7731.00	80.720	330.800	7405.94	455.36	677.54	283.69	1713698.16	391120.93	39°34'9.8833"N	80°30'56.2195"W	734.54	22.719	9.55	9.55	0.17
7826.00	89.010	331.140	7414.43	549.89	760.20	237.82	1713652.29	391203.59	39°34'10.6951"N	80°30'56.8172"W	796.53	17.372	8.73	8.73	0.36
7921.00	88.920	329.800	7416.15	644.87	842.85	191.00	1713605.47	391286.23	39°34'11.5066"N	80°30'57.4269"W	864.22	12.769	1.41	-0.09	-1.41
8016.00	89.510	329.560	7417.45	739.84	924.85	143.05	1713557.52	391368.22	39°34'12.3116"N	80°30'58.0511"W	935.84	8.793	0.67	0.62	-0.25
8111.00	90.580	329.890	7417.37	834.81	1006.89	95.16	1713509.63	391450.26	39°34'13.1170"N	80°30'58.6745"W	1011.37	5.399	1.18	1.13	0.35
8206.00	90.770	330.550	7416.25	929.79	1089.34	47.98	1713462.45	391532.70	39°34'13.9265"N	80°30'59.2888"W	1090.39	2.522	0.72	0.20	0.69
8301.00	89.690	329.340	7415.87	1024.77	1171.56	0.40	1713414.88	391614.92	39°34'14.7338"N	80°30'59.9082"W	1171.56	0.020	1.71	-1.14	-1.27
8396.00	91.110	328.550	7415.21	1119.70	1252.94	-48.60	1713365.88	391696.29	39°34'15.5325"N	80°31'0.5457"W	1253.88	357.779	1.71	1.49	-0.83
8491.00	90.520	328.500	7413.86	1214.60	1333.95	-98.20	1713316.29	391777.30	39°34'16.3276"N	80°31'1.1907"W	1337.56	355.790	0.62	-0.62	-0.05
8586.00	90.490	328.370	7413.02	1309.50	1414.89	-147.93	1713266.56	391858.24	39°34'17.1220"N	80°31'1.8374"W	1422.61	354.031	0.14	-0.03	-0.14
8681.00	88.770	327.940	7413.63	1404.38	1495.59	-198.05	1713216.44	391938.93	39°34'17.9138"N	80°31'2.4890"W	1508.64	352.457	1.87	-1.81	-0.45
8776.00	88.860	327.010	7415.60	1499.17	1575.67	-249.12	1713165.38	392019.00	39°34'18.6995"N	80°31'3.1527"W	1595.24	351.016	0.98	0.09	-0.98
8871.00	89.690	328.320	7416.80	1594.00	1655.93	-299.92	1713114.58	392099.26	39°34'19.4870"N	80°31'3.8131"W	1682.87	349.734	1.63	0.87	1.38
8965.00	89.940	327.960	7417.11	1687.88	1735.77	-349.54	1713064.96	392179.09	39°34'20.2705"N	80°31'4.4582"W	1770.61	348.614	0.47	0.27	-0.38
9060.00	89.910	327.970	7417.23	1782.74	1816.30	-399.93	1713014.57	392259.62	39°34'21.0607"N	80°31'5.1133"W	1859.81	347.582	0.03	-0.03	0.01
9155.00	90.000	327.750	7417.30	1877.60	1896.74	-450.47	1712964.04	392340.06	39°34'21.8500"N	80°31'5.7703"W	1949.50	346.640	0.25	0.09	-0.23
9250.00	90.280	328.330	7417.07	1972.47	1977.34	-500.76	1712913.75	392420.65	39°34'22.6409"N	80°31'6.4241"W	2039.76	345.789	0.68	0.29	0.61
9344.00	89.880	329.040	7416.94	2066.39	2057.65	-549.61	1712864.90	392500.95	39°34'23.4291"N	80°31'7.0595"W	2129.79	345.045	0.87	-0.43	0.76
9439.00	90.120	330.270	7416.94	2161.36	2139.63	-597.60	1712816.91	392582.93	39°34'24.2339"N	80°31'7.6842"W	2221.52	344.395	1.32	0.25	1.29
9534.00	90.000	328.970	7416.84	2256.33	2221.58	-645.65	1712768.87	392664.88	39°34'25.0384"N	80°31'8.3096"W	2313.50	343.795	1.37	-0.13	-1.37
9629.00	90.000	329.150	7416.84	2351.27	2303.07	-694.49	1712720.03	392746.36	39°34'25.8382"N	80°31'8.9451"W	2405.50	343.219	0.19	0.00	0.19
9724.00	89.750	328.830	7417.05	2446.21	2384.49	-743.43	1712671.09	392827.77	39°34'26.6374"N	80°31'9.5819"W	2497.70	342.684	0.43	-0.26	-0.34
9820.00	90.030	329.500	7417.23	2542.16	2466.92	-792.64	1712621.89	392910.20	39°34'27.4465"N	80°31'10.2222"W	2591.13	342.187	0.76	0.29	0.70
9915.00	89.350	330.460	7417.75	2637.14	2549.17	-840.17	1712574.36	392992.45	39°34'28.2540"N	80°31'10.8410"W	2684.06	341.759	1.24	-0.72	1.01
10010.00	88.920	331.020	7419.18	2732.13	2632.04	-886.60	1712527.94	393075.31	39°34'29.0678"N	80°31'11.4459"W	2777.35	341.384	0.74	-0.45	0.59
10105.00	87.550	329.740	7419.62	2827.11	2714.62	-933.55	1712480.99	393157.89	39°34'29.8786"N	80°31'12.0574"W	2870.66	341.022	2.18	1.72	-1.35
10200.00	90.970	328.920	7420.85	2922.06	2796.32	-982.00	1712432.54	393239.58	39°34'30.6806"N	80°31'12.6879"W	2963.73	340.650	2.85	-2.72	-0.86
10295.00	89.690	329.250	7422.79	3016.98	2877.80	-1030.79	1712383.75	393321.06	39°34'31.4804"N	80°31'13.3228"W	3056.84	340.293	1.84	1.81	0.35
10390.00	88.830	329.630	7424.01	3111.93	2959.60	-1079.09	1712335.46	393402.85	39°34'32.2833"N	80°31'13.9514"W	3150.18	339.968	0.99	-0.91	0.40
10485.00	89.050	330.900	7425.77	3206.90	3042.07	-1126.20	1712288.35	393485.32	39°34'33.0931"N	80°31'14.5650"W	3243.84	339.685	1.36	0.23	1.34
10580.00	90.340	328.730	7426.28	3301.87	3124.18	-1173.96	1712240.59	393567.42	39°34'33.8992"N	80°31'15.1868"W	3337.47	339.406	2.66	1.36	-2.28

WELLPATH DATA (266 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]
10675.00	88.520	329.770	7427.22	3396.82	3205.82	-1222.53	1712192.03	393649.05	39°34'34.7005"N	80°31'15.8189"W	3431.01	339.126	2.21	-1.92	1.09
10770.00	89.140	327.280	7429.16	3491.70	3286.82	-1272.12	1712142.44	393730.05	39°34'35.4954"N	80°31'16.4638"W	3524.41	338.842	2.70	0.65	-2.62
10865.00	90.060	330.440	7429.83	3586.62	3368.12	-1321.23	1712093.33	393811.34	39°34'36.2933"N	80°31'17.1029"W	3617.99	338.581	3.46	0.97	3.33
10960.00	87.690	329.450	7431.69	3681.57	3450.32	-1368.80	1712045.76	393893.54	39°34'37.1004"N	80°31'17.7223"W	3711.92	338.361	2.70	-2.49	-1.04
11055.00	89.630	329.570	7433.91	3776.51	3532.16	-1416.99	1711997.58	393975.37	39°34'37.9037"N	80°31'18.3495"W	3805.78	338.141	2.05	2.04	0.13
11150.00	88.060	330.050	7435.83	3871.47	3614.25	-1464.75	1711949.82	394057.46	39°34'38.7096"N	80°31'18.9713"W	3899.78	337.939	1.73	-1.65	0.51
11245.00	87.690	329.120	7439.35	3966.37	3696.12	-1512.81	1711901.76	394139.33	39°34'39.5133"N	80°31'19.5970"W	3993.73	337.741	1.05	-0.39	-0.98
11340.00	89.910	329.810	7441.34	4061.31	3777.92	-1561.06	1711853.51	394221.12	39°34'40.3163"N	80°31'20.2250"W	4087.74	337.549	2.45	2.34	0.73
11435.00	89.010	329.410	7442.23	4156.27	3859.86	-1609.12	1711805.46	394303.06	39°34'41.1207"N	80°31'20.8506"W	4181.84	337.370	1.04	-0.95	-0.42
11530.00	89.480	329.620	7443.49	4251.23	3941.72	-1657.31	1711757.27	394384.91	39°34'41.9243"N	80°31'21.4779"W	4275.96	337.196	0.54	0.49	0.22

Actual Wellpath Report

BIG 464 9H AWP Proj: 23895'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

WELLPATH DATA (266 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]
11625.00	88.370	329.540	7445.27	4346.18	4023.63	-1705.40	1711709.18	394466.82	39°34'42.7283"N	80°31'22.1040"W	4370.12	337.031	1.17	-1.17	-0.08
11720.00	88.520	328.430	7447.85	4441.08	4105.02	-1754.33	1711660.26	394548.20	39°34'43.5271"N	80°31'22.7407"W	4464.17	336.860	1.18	0.16	-1.17
11815.00	89.850	327.250	7449.20	4535.92	4185.43	-1804.89	1711609.70	394628.61	39°34'44.3161"N	80°31'23.3981"W	4558.01	336.673	1.87	1.40	-1.24
11910.00	89.260	328.030	7449.94	4630.75	4265.67	-1855.74	1711558.86	394708.84	39°34'45.1034"N	80°31'24.0590"W	4651.85	336.489	1.03	-0.62	0.82
12005.00	89.660	328.440	7450.83	4725.64	4346.44	-1905.75	1711508.85	394789.61	39°34'45.8959"N	80°31'24.7094"W	4745.88	336.324	0.60	0.42	0.43
12100.00	88.890	328.370	7452.03	4820.53	4427.35	-1955.51	1711459.09	394870.51	39°34'46.6900"N	80°31'25.3568"W	4839.99	336.169	0.81	-0.81	-0.07
12195.00	89.170	328.180	7453.64	4915.40	4508.14	-2005.46	1711409.14	394951.30	39°34'47.4828"N	80°31'26.0084"W	4934.09	336.018	0.36	0.29	-0.20
12290.00	88.770	327.700	7455.35	5010.25	4588.64	-2055.88	1711358.73	395031.79	39°34'48.2726"N	80°31'26.6620"W	5028.15	335.866	0.66	-0.42	-0.51
12385.00	89.050	328.270	7457.16	5105.10	4669.18	-2106.23	1711308.38	395112.33	39°34'49.0629"N	80°31'27.3167"W	5122.25	335.720	0.67	0.29	0.60
12480.00	88.860	327.880	7458.89	5199.96	4749.80	-2156.46	1711258.15	395192.94	39°34'49.8539"N	80°31'27.9699"W	5216.41	335.581	0.46	-0.20	-0.41
12575.00	89.630	328.270	7460.14	5294.82	4830.42	-2206.69	1711207.92	395273.56	39°34'50.6450"N	80°31'28.6232"W	5310.60	335.448	0.91	0.81	0.41
12670.00	89.720	328.750	7460.68	5389.73	4911.43	-2256.32	1711158.30	395354.56	39°34'51.4400"N	80°31'29.2687"W	5404.91	335.326	0.51	0.09	0.51
12766.00	89.690	328.500	7461.17	5485.64	4993.39	-2306.30	1711108.32	395436.51	39°34'52.2443"N	80°31'29.9189"W	5500.27	335.209	0.26	-0.03	-0.26
12860.00	89.200	328.430	7462.08	5579.54	5073.50	-2355.46	1711059.17	395516.62	39°34'53.0305"N	80°31'30.5584"W	5593.62	335.096	0.53	-0.52	-0.07
12955.00	88.650	328.230	7463.87	5674.42	5154.34	-2405.33	1711009.30	395597.46	39°34'53.8238"N	80°31'31.2071"W	5687.95	334.983	0.62	-0.58	-0.21
13050.00	89.260	328.300	7465.80	5769.29	5235.12	-2455.29	1710959.34	395678.24	39°34'54.6165"N	80°31'31.8569"W	5782.30	334.873	0.65	0.64	0.07
13145.00	89.480	328.140	7466.64	5864.17	5315.88	-2505.32	1710909.32	395758.98	39°34'55.4089"N	80°31'32.5076"W	5876.66	334.766	0.29	0.23	-0.17
13240.00	89.140	328.400	7467.79	5959.05	5396.67	-2555.27	1710859.36	395839.77	39°34'56.2017"N	80°31'33.1574"W	5971.05	334.663	0.45	-0.36	0.27
13335.00	88.980	328.320	7469.35	6053.94	5477.54	-2605.10	1710809.54	395920.64	39°34'56.9953"N	80°31'33.8055"W	6065.48	334.564	0.19	-0.17	-0.08
13430.00	89.320	328.150	7470.76	6148.82	5558.30	-2655.11	1710759.53	396001.39	39°34'57.7878"N	80°31'34.4559"W	6159.89	334.467	0.40	0.36	-0.18
13524.00	89.350	328.220	7471.85	6242.69	5638.17	-2704.66	1710709.98	396081.26	39°34'58.5715"N	80°31'35.1004"W	6253.33	334.373	0.08	0.03	0.07
13619.00	89.540	327.850	7472.77	6337.56	5718.76	-2754.95	1710659.70	396161.85	39°34'59.3623"N	80°31'35.7545"W	6347.76	334.278	0.44	0.20	-0.39
13714.00	89.380	328.540	7473.66	6432.44	5799.49	-2805.02	1710609.63	396242.57	39°34'59.1545"N	80°31'36.4056"W	6442.22	334.189	0.75	-0.17	0.73
13809.00	89.260	328.570	7474.79	6527.34	5880.54	-2854.57	1710560.08	396323.61	39°35'00.9498"N	80°31'37.0504"W	6536.77	334.107	0.13	-0.13	0.03
13904.00	89.450	328.320	7475.86	6622.24	5961.49	-2904.28	1710510.37	396404.55	39°35'01.7441"N	80°31'37.6971"W	6631.30	334.026	0.33	0.20	-0.26
13999.00	89.570	328.370	7476.67	6717.13	6042.35	-2954.14	1710460.52	396485.41	39°35'02.5376"N	80°31'38.3456"W	6725.84	333.946	0.14	0.13	0.05
14094.00	89.050	328.460	7477.82	6812.03	6123.27	-3003.89	1710410.77	396566.33	39°35'03.3317"N	80°31'38.9928"W	6820.40	333.869	0.56	-0.55	0.09
14189.00	89.780	328.770	7478.79	6906.94	6204.36	-3053.36	1710361.30	396647.42	39°35'04.1276"N	80°31'39.6365"W	6915.00	333.797	0.83	0.77	0.33
14283.00	89.570	328.490	7479.32	7000.85	6284.62	-3102.30	1710312.37	396727.67	39°35'04.9152"N	80°31'40.2731"W	7008.62	333.728	0.37	-0.22	-0.30
14378.00	89.200	327.990	7480.34	7095.73	6365.39	-3152.30	1710262.37	396808.44	39°35'05.7077"N	80°31'40.9235"W	7103.18	333.654	0.65	-0.39	-0.53
14473.00	89.720	328.190	7481.23	7190.60	6446.03	-3202.51	1710212.16	396889.07	39°35'06.4990"N	80°31'41.5766"W	7197.74	333.581	0.59	0.55	0.21
14569.00	89.480	329.200	7481.65	7286.52	6528.05	-3252.39	1710162.29	396971.09	39°35'07.3039"N	80°31'42.2256"W	7293.39	333.517	1.05	0.06	1.05
14663.00	89.720	328.140	7482.31	7380.44	6608.34	-3301.27	1710113.42	397051.37	39°35'08.0919"N	80°31'42.8616"W	7387.05	333.455	1.19	-0.38	-1.13
14758.00	89.630	328.320	7483.10	7475.32	6689.11	-3351.28	1710063.40	397132.13	39°35'08.8844"N	80°31'43.5122"W	7481.66	333.389	0.29	0.22	0.19
14853.00	89.570	327.770	7483.76	7570.19	6769.71	-3401.56	1710013.13	397212.73	39°35'09.6752"N	80°31'44.1661"W	7576.25	333.322	0.58	-0.06	-0.58

WELLPATH DATA (266 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]
14948.00	89.820	328.580	7484.27	7665.07	6850.43	-3451.65	1709963.04	397293.44	39°35'10.4672"N	80°31'44.8177"W	7670.87	333.258	0.89	0.26	0.85
15042.00	89.720	328.370	7484.31	7758.98	6930.55	-3500.80	1709913.89	397373.56	39°35'11.2535"N	80°31'45.4572"W	7764.55	333.200	0.39	0.32	-0.22
15137.00	89.720	328.750	7484.45	7853.89	7011.60	-3550.36	1709864.34	397454.61	39°35'12.0489"N	80°31'46.1019"W	7859.24	333.144	0.58	-0.42	0.40
15232.00	90.030	329.320	7484.65	7948.83	7093.06	-3599.23	1709815.46	397536.06	39°35'12.8484"N	80°31'46.7381"W	7954.00	333.095	0.68	0.33	0.60
15327.00	89.720	329.330	7484.86	8043.79	7174.77	-3647.70	1709767.00	397617.77	39°35'13.6504"N	80°31'47.3691"W	8048.79	333.051	0.33	-0.33	0.01
15422.00	89.690	329.240	7485.35	8138.74	7256.44	-3696.22	1709718.48	397699.43	39°35'14.4520"N	80°31'48.0007"W	8143.59	333.007	0.10	-0.03	-0.09
15517.00	89.380	329.060	7486.12	8233.69	7338.00	-3744.94	1709669.77	397780.98	39°35'15.2525"N	80°31'48.6349"W	8238.37	332.963	0.38	-0.33	-0.19
15612.00	90.030	329.480	7486.61	8328.64	7419.66	-3793.48	1709621.23	397862.64	39°35'16.0540"N	80°31'49.2668"W	8333.18	332.921	0.81	0.68	0.44
15707.00	90.060	329.880	7486.54	8423.61	7501.66	-3841.44	1709573.27	397944.64	39°35'16.8590"N	80°31'49.8913"W	8428.03	332.884	0.42	0.03	0.42
15801.00	90.090	329.510	7486.41	8517.59	7582.82	-3888.87	1709525.85	398025.79	39°35'17.6556"N	80°31'50.5091"W	8521.88	332.849	0.39	0.03	-0.39

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

WELLPATH DATA (266 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]
15896.00	90.030	328.990	7486.31	8612.54	7664.46	-3937.44	1709477.28	398107.43	39°35'18.4570"N	80°31'51.1414"W	8616.70	332.809	0.55	-0.06	-0.55
15991.00	89.970	328.330	7486.31	8707.46	7745.60	-3986.85	1709427.87	398188.56	39°35'19.2532"N	80°31'51.7844"W	8711.45	332.764	0.70	-0.06	-0.69
16086.00	90.050	329.710	7486.29	8802.40	7827.05	-4035.75	1709378.97	398270.00	39°35'20.0526"N	80°31'52.4209"W	8806.25	332.724	1.46	0.09	1.45
16181.00	89.720	329.130	7486.47	8897.36	7908.83	-4084.08	1709330.64	398351.78	39°35'20.8553"N	80°31'53.0501"W	8901.09	332.688	0.71	-0.36	-0.61
16276.00	89.320	329.010	7487.27	8992.30	7990.32	-4132.91	1709281.82	398433.27	39°35'21.6551"N	80°31'53.6857"W	8995.90	332.650	0.44	-0.42	-0.13
16371.00	89.540	329.400	7488.21	9087.25	8071.92	-4181.54	1709233.19	398514.86	39°35'22.4560"N	80°31'54.3189"W	9090.72	332.614	0.47	0.23	0.41
16466.00	90.250	329.710	7488.36	9182.22	8153.82	-4229.68	1709185.05	398596.76	39°35'23.2599"N	80°31'54.9457"W	9185.59	332.583	0.84	0.78	0.33
16561.00	89.420	330.180	7488.61	9277.20	8236.05	-4277.26	1709137.48	398678.98	39°35'24.0671"N	80°31'55.5654"W	9280.49	332.556	1.03	-0.91	0.49
16656.00	90.310	329.700	7488.83	9372.18	8318.27	-4324.85	1709089.90	398761.19	39°35'24.8743"N	80°31'56.1853"W	9375.39	332.529	1.06	0.94	-0.51
16751.00	90.180	329.830	7488.43	9467.15	8400.35	-4372.68	1709042.06	398843.27	39°35'25.6800"N	80°31'56.8083"W	9470.28	332.501	0.19	-0.14	0.14
16846.00	90.520	329.280	7487.85	9562.12	8482.24	-4420.82	1708993.93	398925.16	39°35'26.4839"N	80°31'57.4352"W	9565.15	332.472	0.68	0.36	-0.58
16941.00	90.400	329.380	7487.09	9657.08	8563.95	-4469.28	1708945.48	399006.86	39°35'27.2859"N	80°31'58.0661"W	9660.01	332.441	0.16	-0.13	0.11
17036.00	90.550	329.210	7486.30	9752.03	8645.63	-4517.78	1708896.97	399088.54	39°35'28.0875"N	80°31'58.6976"W	9754.86	332.411	0.24	0.16	-0.18
17131.00	90.220	329.050	7485.66	9846.97	8727.17	-4566.53	1708848.23	399170.07	39°35'28.8878"N	80°31'59.3222"W	9849.70	332.379	0.39	-0.35	-0.17
17226.00	90.460	329.620	7485.10	9941.93	8808.89	-4614.98	1708799.78	399251.78	39°35'29.6899"N	80°31'59.9630"W	9944.57	332.350	0.65	0.25	0.60
17321.00	90.310	329.450	7484.46	10036.90	8890.77	-4663.14	1708751.62	399333.66	39°35'30.4936"N	80°32'0.5903"W	10039.45	332.323	0.24	-0.16	-0.18
17416.00	90.250	328.720	7483.99	10131.84	8972.27	-4711.95	1708702.82	399415.15	39°35'31.2935"N	80°32'1.2256"W	10134.30	332.293	0.77	-0.06	-0.77
17511.00	90.580	329.520	7483.30	10226.78	9053.80	-4760.70	1708654.07	399496.68	39°35'32.0937"N	80°32'1.8604"W	10229.15	332.264	0.91	0.35	0.84
17606.00	90.310	328.790	7482.57	10321.73	9135.36	-4809.41	1708605.36	399578.23	39°35'32.8941"N	80°32'2.4945"W	10324.01	332.235	0.82	-0.28	-0.77
17702.00	90.550	329.330	7481.85	10417.67	9217.70	-4858.77	1708556.01	399660.57	39°35'33.7022"N	80°32'3.1370"W	10419.86	332.206	0.62	0.25	0.56
17797.00	90.120	329.220	7481.29	10512.62	9299.36	-4907.30	1708507.48	399742.23	39°35'34.5037"N	80°32'3.7690"W	10514.74	332.179	0.47	-0.45	-0.12
17892.00	90.220	330.140	7481.01	10607.60	9381.36	-4955.26	1708459.52	399824.22	39°35'35.3087"N	80°32'4.3936"W	10609.65	332.157	0.97	0.11	0.97
17987.00	90.250	329.270	7480.62	10702.57	9463.39	-5003.18	1708411.60	399906.25	39°35'36.1139"N	80°32'5.0178"W	10704.56	332.135	0.92	0.03	-0.92
18083.00	91.050	330.260	7479.53	10798.54	9546.32	-5051.52	1708363.27	399989.17	39°35'36.9280"N	80°32'5.6474"W	10800.47	332.114	1.33	0.83	1.03
18178.00	90.550	330.090	7478.20	10893.52	9628.73	-5098.76	1708316.03	400071.58	39°35'37.7370"N	80°32'6.2630"W	10895.41	332.097	0.56	-0.53	-0.18
18273.00	90.490	329.520	7477.34	10988.49	9710.84	-5146.54	1708268.25	400153.68	39°35'38.5430"N	80°32'6.8853"W	10990.33	332.077	0.60	-0.06	-0.60
18368.00	90.520	329.060	7476.50	11083.44	9792.51	-5195.05	1708219.74	400235.35	39°35'39.3446"N	80°32'7.5170"W	11085.21	332.053	0.49	0.03	-0.48
18463.00	90.520	329.120	7475.64	11178.38	9874.02	-5243.85	1708170.95	400316.85	39°35'40.1445"N	80°32'8.1523"W	11180.08	332.028	0.06	0.00	0.06
18558.00	92.400	329.660	7473.22	11273.31	9955.75	-5292.21	1708122.59	400398.57	39°35'40.9467"N	80°32'8.7820"W	11274.95	332.006	2.06	1.98	0.57
18653.00	90.220	329.780	7471.05	11368.25	10037.76	-5340.09	1708074.71	400480.58	39°35'41.7518"N	80°32'9.4058"W	11369.84	331.987	2.30	-2.29	0.13
18748.00	89.320	328.740	7471.43	11463.21	10119.41	-5388.65	1708026.16	400562.23	39°35'42.5531"N	80°32'10.0380"W	11464.73	331.964	1.45	-0.95	-1.09
18843.00	89.480	329.000	7472.43	11558.13	10200.73	-5437.76	1707977.05	400643.54	39°35'43.3511"N	80°32'10.6773"W	11559.59	331.939	0.32	0.17	0.27
18938.00	92.500	330.060	7470.79	11653.07	10282.58	-5485.92	1707928.89	400725.39	39°35'44.1546"N	80°32'11.3045"W	11654.48	331.919	3.37	3.18	1.12
19033.00	89.380	329.180	7469.23	11748.02	10364.52	-5533.95	1707880.86	400807.32	39°35'44.9588"N	80°32'11.9301"W	11749.38	331.901	3.41	-3.28	-0.93
19128.00	89.750	330.180	7469.95	11842.99	10446.52	-5581.91	1707832.91	400889.31	39°35'45.7637"N	80°32'12.5548"W	11844.30	331.883	1.12	0.39	1.05

WELLPATH DATA (266 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
19223.00	89.570	329.160	7470.51	11937.96	10528.51	-5629.88	1707784.94	400971.30	39°35'46.5686"N	80°32'13.1797"W	11939.23	331.865	1.09	-0.19	-1.07
19317.00	89.260	329.720	7471.47	12031.92	10609.45	-5677.67	1707737.15	401052.24	39°35'47.3630"N	80°32'13.8021"W	12033.14	331.846	0.68	-0.33	0.60
19412.00	89.230	329.940	7472.72	12126.89	10691.58	-5725.41	1707689.42	401134.36	39°35'48.1692"N	80°32'14.4240"W	12128.07	331.831	0.23	-0.03	0.23
19507.00	89.750	328.870	7473.57	12221.85	10773.35	-5773.76	1707641.07	401216.12	39°35'48.9717"N	80°32'15.0536"W	12222.98	331.812	1.25	0.55	-1.13
19602.00	90.550	330.870	7473.32	12316.82	10855.51	-5821.45	1707593.39	401298.28	39°35'49.7782"N	80°32'15.6748"W	12317.92	331.797	2.27	0.84	2.11
19697.00	90.620	330.640	7472.35	12411.81	10938.39	-5867.85	1707546.98	401381.16	39°35'50.5921"N	80°32'16.2799"W	12412.90	331.789	0.25	0.07	-0.24
19792.00	89.140	330.420	7472.55	12506.81	11021.10	-5914.59	1707500.25	401463.86	39°35'51.4041"N	80°32'16.8891"W	12507.88	331.779	1.58	-1.56	-0.23
19886.00	88.770	329.390	7474.26	12600.77	11102.41	-5961.72	1707453.13	401545.17	39°35'52.2023"N	80°32'17.5031"W	12601.81	331.765	1.16	-0.39	-1.10
19981.00	90.890	329.010	7474.55	12695.72	11184.01	-6010.36	1707404.49	401626.76	39°35'53.0031"N	80°32'18.1365"W	12696.71	331.746	2.27	2.23	-0.40
20076.00	90.430	327.790	7473.45	12790.61	11264.91	-6060.13	1707354.72	401707.66	39°35'53.7970"N	80°32'18.7842"W	12791.54	331.721	1.37	-0.48	-1.28

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Actual Wellpath Report

BIG 464 9H AWP Proj: 23895'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzell	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

WELLPATH DATA (266 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
20172.00	90.520	327.610	7472.66	12886.44	11346.06	-6111.43	1707303.42	401788.80	39°35'54.5930"N	80°32'19.4515"W	12887.30	331.691	0.21	0.09	-0.19
20267.00	90.400	327.330	7471.89	12981.26	11426.15	-6162.51	1707252.34	401868.89	39°35'55.3787"N	80°32'20.1158"W	12982.04	331.661	0.32	-0.13	-0.29
20362.00	90.310	327.130	7471.30	13076.05	11506.03	-6213.93	1707200.93	401948.76	39°35'56.1622"N	80°32'20.7845"W	13076.76	331.628	0.23	-0.09	-0.21
20457.00	90.340	327.580	7470.76	13170.85	11586.02	-6265.18	1707149.68	402028.75	39°35'56.9469"N	80°32'21.4509"W	13171.50	331.598	0.47	0.03	0.47
20552.00	90.460	328.000	7470.10	13265.69	11666.40	-6315.81	1707099.05	402109.12	39°35'57.7354"N	80°32'22.1096"W	13266.28	331.570	0.46	0.13	0.44
20647.00	90.030	327.180	7469.70	13360.52	11746.60	-6366.73	1707048.14	402189.31	39°35'58.5222"N	80°32'22.7719"W	13361.06	331.542	0.97	-0.45	-0.86
20742.00	90.370	327.040	7469.36	13455.30	11826.37	-6418.32	1706996.55	402269.08	39°35'59.3046"N	80°32'23.4426"W	13455.77	331.511	0.39	0.36	-0.15
20836.00	90.370	327.410	7468.76	13549.09	11905.40	-6469.20	1706945.67	402348.11	39°36'00.0799"N	80°32'24.1043"W	13549.51	331.481	0.39	0.00	0.39
20931.00	90.340	327.350	7468.17	13643.90	11985.42	-6520.41	1706894.47	402428.12	39°36'00.8647"N	80°32'24.7704"W	13644.27	331.453	0.07	-0.03	-0.06
21025.00	90.550	327.690	7467.44	13737.72	12064.71	-6570.89	1706843.99	402507.41	39°36'1.6426"N	80°32'25.4269"W	13738.04	331.426	0.43	0.22	0.36
21120.00	90.280	328.060	7466.75	13832.57	12145.16	-6621.40	1706793.48	402587.86	39°36'2.4319"N	80°32'26.0841"W	13832.86	331.401	0.48	-0.28	0.39
21216.00	90.550	327.630	7466.05	13928.42	12226.44	-6672.50	1706742.39	402669.12	39°36'3.2292"N	80°32'26.7488"W	13928.67	331.377	0.53	0.28	-0.45
21310.00	90.370	327.280	7465.30	14022.23	12305.67	-6723.06	1706691.83	402748.36	39°36'4.0065"N	80°32'27.4065"W	14022.45	331.351	0.42	-0.19	-0.37
21405.00	90.370	327.480	7464.69	14117.04	12385.69	-6774.27	1706640.62	402828.36	39°36'4.7913"N	80°32'28.0725"W	14117.22	331.324	0.21	0.00	0.21
21500.00	90.460	327.380	7464.00	14211.85	12465.74	-6825.41	1706589.48	402908.42	39°36'5.5767"N	80°32'28.7376"W	14212.00	331.298	0.14	0.09	-0.11
21595.00	90.310	327.180	7463.36	14306.64	12545.67	-6876.76	1706538.14	402988.34	39°36'6.3606"N	80°32'29.4054"W	14306.77	331.271	0.26	-0.16	-0.21
21690.00	90.400	329.430	7462.77	14401.53	12626.49	-6926.67	1706488.23	403069.16	39°36'7.1537"N	80°32'30.0550"W	14401.63	331.252	2.37	0.09	2.37
21784.00	90.580	329.090	7461.97	14495.48	12707.28	-6974.72	1706440.19	403149.94	39°36'7.9466"N	80°32'30.6807"W	14495.57	331.239	0.41	0.19	-0.36
21879.00	90.430	329.470	7461.13	14590.43	12788.95	-7023.24	1706391.66	403231.60	39°36'8.7481"N	80°32'31.3127"W	14590.51	331.226	0.43	-0.16	0.40
21975.00	90.000	329.440	7460.77	14686.39	12871.62	-7072.03	1706342.88	403314.27	39°36'9.5595"N	80°32'31.9482"W	14686.47	331.214	0.45	-0.45	-0.03
22069.00	90.280	329.920	7460.54	14780.37	12952.77	-7119.49	1706295.43	403395.41	39°36'10.3560"N	80°32'32.5665"W	14780.43	331.205	0.59	0.30	0.51
22164.00	90.150	329.890	7460.18	14875.35	13034.96	-7167.12	1706247.79	403477.60	39°36'11.1628"N	80°32'33.1872"W	14875.41	331.196	0.14	-0.14	-0.03
22259.00	90.090	329.190	7459.98	14970.31	13116.85	-7215.28	1706199.64	403559.48	39°36'11.9665"N	80°32'33.8146"W	14970.37	331.186	0.74	-0.06	-0.74
22354.00	90.250	329.550	7459.70	15065.27	13198.59	-7263.68	1706151.24	403641.22	39°36'12.7688"N	80°32'34.4450"W	15065.32	331.174	0.41	0.17	0.38
22449.00	90.060	329.670	7459.45	15160.24	13280.54	-7311.74	1706103.18	403723.16	39°36'13.5731"N	80°32'35.0711"W	15160.29	331.165	0.24	-0.20	0.13
22544.00	90.120	329.600	7459.30	15255.22	13362.51	-7359.76	1706055.16	403805.13	39°36'14.3777"N	80°32'35.6967"W	15255.25	331.155	0.10	0.06	-0.07
22639.00	90.370	329.610	7458.89	15350.18	13444.45	-7407.83	1706007.10	403887.06	39°36'15.1819"N	80°32'36.3229"W	15350.22	331.145	0.26	0.26	0.01
22733.00	90.340	329.500	7458.31	15444.15	13525.49	-7455.46	1705959.47	403968.09	39°36'15.9773"N	80°32'36.9434"W	15444.18	331.136	0.12	-0.03	-0.12
22828.00	90.280	328.960	7457.79	15539.10	13607.11	-7504.06	1705910.88	404049.71	39°36'16.7784"N	80°32'37.5764"W	15539.12	331.124	0.57	-0.06	-0.57
22923.00	90.490	329.340	7457.16	15634.05	13688.67	-7552.77	1705862.17	404131.27	39°36'17.5788"N	80°32'38.2109"W	15634.07	331.112	0.46	0.22	0.40
23018.00	90.490	329.920	7456.34	15729.92	13770.63	-7600.80	1705814.14	404213.22	39°36'18.3833"N	80°32'38.8366"W	15729.03	331.103	0.61	0.00	0.61
23113.00	90.000	329.180	7455.94	15823.98	13852.52	-7648.95	1705766.00	404295.11	39°36'19.1871"N	80°32'39.4638"W	15823.99	331.094	0.93	-0.52	-0.78
23208.00	90.250	329.640	7455.73	15918.95	13934.30	-7697.29	1705717.66	404376.89	39°36'19.9897"N	80°32'40.0936"W	15918.95	331.084	0.55	0.26	0.48
23304.00	89.820	328.820	7455.67	16014.90	14016.79	-7746.40	1705668.55	404459.37	39°36'20.7992"N	80°32'40.7332"W	16014.90	331.073	0.96	-0.45	-0.85
23399.00	90.120	329.880	7455.72	16109.85	14098.51	-7794.83	1705620.12	404541.09	39°36'21.6013"N	80°32'41.3641"W	16109.86	331.063	1.16	0.32	1.12

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WELLPATH DATA (266 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
23494.00	89.970	330.000	7455.65	16204.84	14180.74	-7842.42	1705572.54	404623.31	39°36'22.4084"N	80°32'41.9842"W	16204.84	331.056	0.20	-0.16	0.13
23589.00	89.970	329.420	7455.70	16299.81	14262.77	-7890.33	1705524.63	404705.33	39°36'23.2136"N	80°32'42.6086"W	16299.81	331.048	0.61	0.00	-0.61
23684.00	89.910	329.380	7455.80	16394.77	14344.54	-7938.69	1705476.27	404787.10	39°36'24.0161"N	80°32'43.2385"W	16394.77	331.039	0.08	-0.06	-0.04
23779.00	90.180	329.410	7455.72	16489.73	14426.30	-7987.06	1705427.91	404868.86	39°36'24.8186"N	80°32'43.8686"W	16489.73	331.029	0.29	0.28	0.03
23870.00	89.910	329.150	7455.65	16580.69	14504.53	-8033.54	1705381.42	404947.08	39°36'25.5864"N	80°32'44.4741"W	16580.69	331.019	0.41	-0.30	-0.29
23895.00‡	89.910	329.150	7455.69	16605.68	14526.00	-8046.36	1705368.60	404968.54	39°36'25.7970"N	80°32'44.6411"W	16605.68	331.017	0.00	0.00	0.00

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Actual Wellpath Report

BIG 464 9H AWP Proj: 23895'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

HOLE & CASING SECTIONS - Ref Wellbore: BIG 464 9H AWB Ref Wellpath: BIG 464 9H AWP Proj: 23895'

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	0.03	-0.02
17.5in Open Hole	68.00	1065.00	997.00	68.00	1064.99	0.03	-0.02	3.37	-1.05
13.375in Casing Surface	28.00	1035.00	1007.00	28.00	1034.99	0.00	0.00	3.19	-1.05
12.25in Open Hole	1065.00	2507.00	1442.00	1064.99	2504.81	3.37	-1.05	6.63	66.46
9.625in Casing Intermediate	28.00	2477.00	2449.00	28.00	2474.84	0.00	0.00	5.66	65.39
8.75in Open Hole	2507.00	6596.00	4089.00	2504.81	6560.84	6.63	66.46	142.85	553.19
8.5in Open Hole	6596.00	23895.00	17299.00	6560.84	7455.69	142.85	553.19	14526.00	-8046.36
5.5in Casing Production	28.00	23865.00	23837.00	28.00	7455.64	0.00	0.00	14500.24	-8030.98

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BIG 464 9H LP Rev-2	7413.00	739.17	240.99	1713655.46	391182.56	39°34'10.4876"N	80°30'56.7736"W	point
BIG 464 9H BHL Rev-2	7637.60	14528.05	-8044.54	1705370.43	404970.60	39°36'25.8175"N	80°32'44.6180"W	point
BIG 464 HL 1 Rev-2	7750.00	14228.69	-11534.68	1701880.50	404671.25	39°36'22.4552"N	80°33'29.1613"W	polygon
BIG 464 L&A 3 Rev-2	7750.00	10925.01	-7403.46	1706011.47	401367.78	39°35'50.2841"N	80°32'35.8934"W	polygon
BIG 464 HARDLINE 3	8000.00	14425.15	-8216.04	1705198.94	404867.71	39°36'24.7809"N	80°32'46.7937"W	rectangle
BIG 464 HARDLINE 4	8000.00	16410.23	-7247.91	1706167.01	406852.66	39°36'44.5097"N	80°32'34.7199"W	polygon
BIG 464 L&A 1	8000.00	6185.51	-6842.00	1706572.89	396628.56	39°35'3.5101"N	80°32'28.0198"W	polygon
BIG 464 TEMP 2	8000.00	10847.76	-9794.85	1703620.23	401290.53	39°35'49.2451"N	80°33'6.4287"W	polygon

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BIG 464 9H AWP Proj: 23895'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

WELLPATH COMPOSITION - Ref Wellbore: BIG 464 9H AWB Ref Wellpath: BIG 464 9H AWP Proj: 23895'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1015.00	Gyrodata 2015 - CT+WIR+ALC	01_Gyro [Gyro Data-CT+WIR+ALC] <17 1/2"> (115'-1015')	BIG 464 9H AWB	3/23/2022
1015.00	2428.00	OWSG MWD rev2 - Standard	02_SDI MWD [OWSG-Standard] <12-1/4"> (1015')(1085'-2428')	BIG 464 9H AWB	3/23/2022
2428.00	6520.00	OWSG MWD rev2 - Standard	03_SDI MWD [OWSG-Standard] <8 3/4"> (2428')(2506'-6520')	BIG 464 9H AWB	3/23/2022
6520.00	23895.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	04_BH AT Curve+H&P IFR1+MSA <8-1/2"> (6520')(6591'- 23870')	BIG 464 9H AWB	4/26/2022

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BIG 464 9H AWP Proj: 23895'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	BIG 464 9H (L-003506)
Field	Wetzel	API	47-103-03435
Facility	Big 464 Pad	Wellbore	BIG 464 9H AWB
Slot	Slot #09		

COMMENTS

Wellpath general comments

API: 471030343500000

BH Job #: 111294594

Rig: Patterson 294

Duration: 05/01/2022 - 05/01/2022

- 01_Gyro [Gyro Data-CT+WIR+ALC] <17 1/2"> (115'-1015')
- 02_SDI MWD [OWSG-Standard] <12-1/4"> (1015')(1085'-2428')
- 03_SDI MWD [OWSG-Standard] <8 3/4"> (2428')(2506'-6520')
- 04_BH AT Curve+H&P IFR1+MSA <8-1/2"> (6520')(6591'- 23870')

KOP = 1128' MD / 1127.99' TVD

Tie on to SDI MWD = 6520'MD / 6486.24'TVD

Marcellus

Landing Point = 7826' MD / 7414.43' TVD

Deepest Point of Well = 16656' MD / 7488.83' TVD

Final Survey = 23870' MD / 7455.65' TVD

Projection to TD = 23895' MD / 7455.69' TVD

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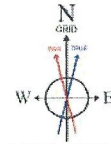
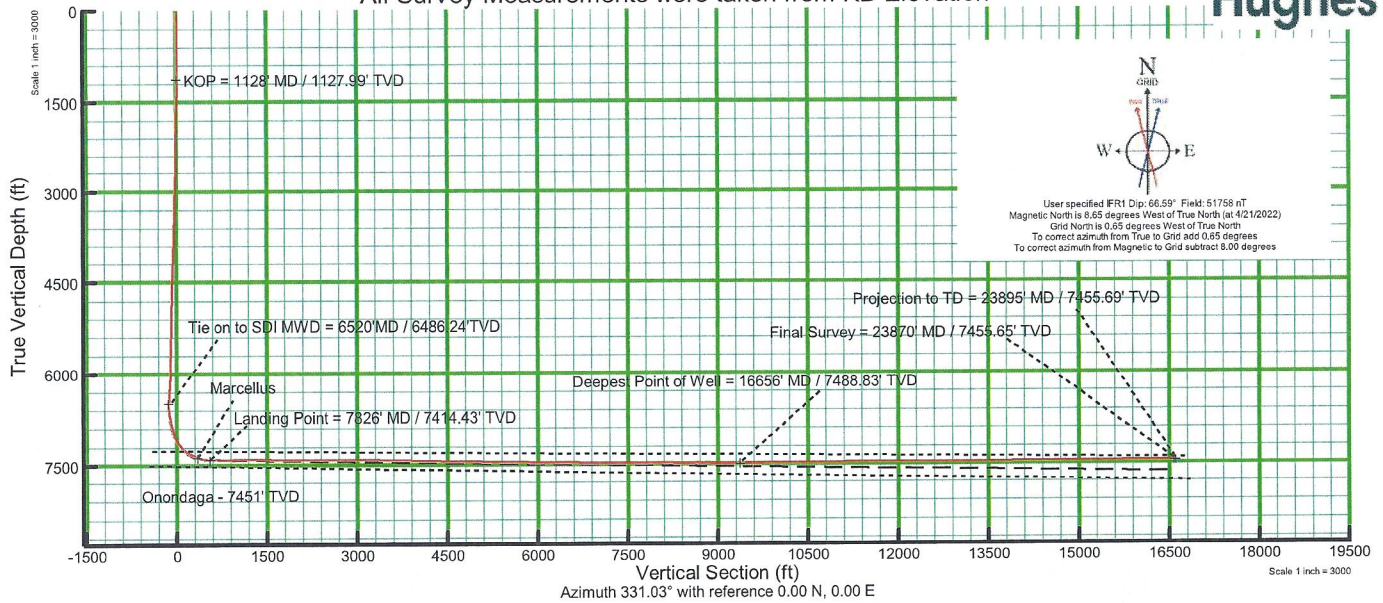
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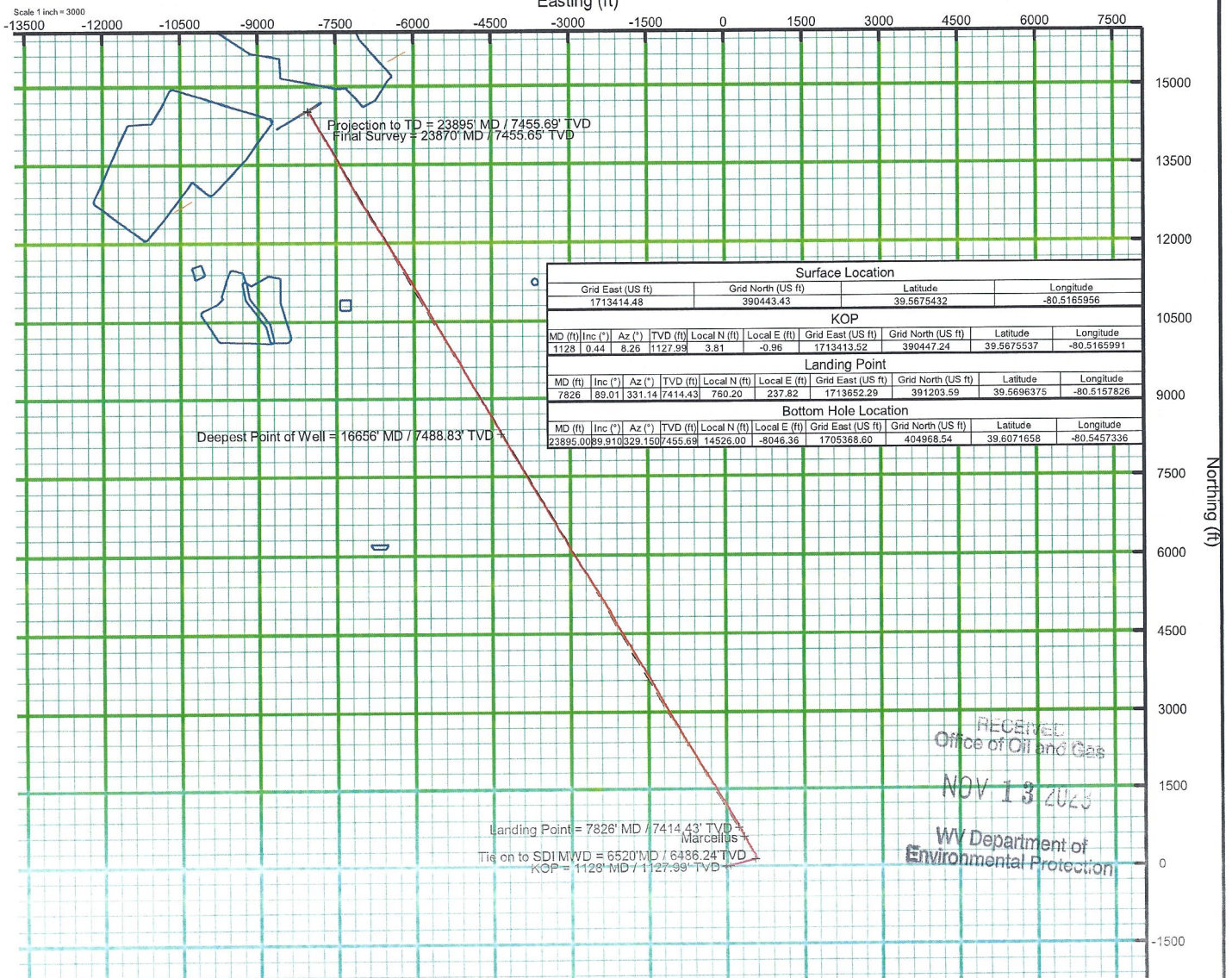
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KB Elevation=1274 FT
 Ground Elevation=1246 FT
 All Survey Measurements were taken from KB Elevation



User specified IFR1 Dip: 66.59° Field: 51758 nT
 Magnetic North is 8.65 degrees West of True North (at 4/21/2022)
 Grid North is 0.85 degrees West of True North
 To correct azimuth from True to Grid add 0.85 degrees
 To correct azimuth from Magnetic to Grid subtract 8.00 degrees



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