



Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

REPORT SETUP INFORMATION

| | | | |
|---------------------|---|------------------|-------------------------|
| Projection System | NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet | | |
| North Reference | Grid | Software System | WellArchitect® 6.0 |
| Scale | 0.999941 | User | Manajohj |
| Convergence at slot | 0.65° West | Report Generated | 4/21/2022 at 6:10:58 PM |
| | | 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 | 71.38 | -17.06 | 1713381.48 | 390493.54 | 39°34'3.6472"N | 80°31'0.1726"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 #01) | 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 | 317.02° |

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| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

WELLPATH DATA (280 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 | 83.450 | 0.00 | 0.00 | 0.00 | 0.00 | 1713381.48 | 390493.54 | 39°34'3.6472"N | 80°31'0.1726"W | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| 28.00 | 0.000 | 83.450 | 28.00 | 0.00 | 0.00 | 0.00 | 1713381.48 | 390493.54 | 39°34'3.6472"N | 80°31'0.1726"W | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| 115.00 | 0.060 | 83.450 | 115.00 | -0.03 | 0.01 | 0.05 | 1713381.53 | 390493.55 | 39°34'3.6473"N | 80°31'0.1721"W | 0.05 | 83.450 | 0.07 | 0.07 | 0.00 |
| 165.00 | 0.040 | 89.130 | 165.00 | -0.05 | 0.01 | 0.09 | 1713381.57 | 390493.55 | 39°34'3.6473"N | 80°31'0.1715"W | 0.09 | 84.561 | 0.04 | -0.04 | 11.36 |
| 215.00 | 0.030 | 74.240 | 215.00 | -0.07 | 0.01 | 0.12 | 1713381.60 | 390493.55 | 39°34'3.6474"N | 80°31'0.1711"W | 0.12 | 84.102 | 0.03 | -0.02 | -29.78 |
| 265.00 | 0.040 | 91.780 | 265.00 | -0.09 | 0.02 | 0.15 | 1713381.63 | 390493.56 | 39°34'3.6474"N | 80°31'0.1707"W | 0.15 | 84.137 | 0.03 | 0.02 | 35.08 |
| 315.00 | 0.030 | 152.570 | 315.00 | -0.12 | 0.00 | 0.17 | 1713381.65 | 390493.54 | 39°34'3.6473"N | 80°31'0.1704"W | 0.17 | 88.962 | 0.07 | -0.02 | 121.58 |
| 365.00 | 0.030 | 45.650 | 365.00 | -0.13 | 0.00 | 0.19 | 1713381.67 | 390493.54 | 39°34'3.6473"N | 80°31'0.1702"W | 0.19 | 89.801 | 0.10 | 0.00 | -213.84 |
| 415.00 | 0.070 | 255.130 | 415.00 | -0.11 | 0.00 | 0.17 | 1713381.65 | 390493.54 | 39°34'3.6473"N | 80°31'0.1705"W | 0.17 | 89.328 | 0.19 | 0.08 | -301.04 |
| 465.00 | 0.060 | 113.590 | 465.00 | -0.12 | -0.02 | 0.16 | 1713381.64 | 390493.52 | 39°34'3.6471"N | 80°31'0.1706"W | 0.16 | 95.764 | 0.25 | -0.02 | -283.08 |
| 515.00 | 0.060 | 67.240 | 515.00 | -0.16 | -0.02 | 0.21 | 1713381.69 | 390493.52 | 39°34'3.6471"N | 80°31'0.1700"W | 0.21 | 94.544 | 0.09 | 0.00 | -92.70 |
| 565.00 | 0.070 | 266.890 | 565.00 | -0.14 | -0.01 | 0.20 | 1713381.68 | 390493.53 | 39°34'3.6472"N | 80°31'0.1700"W | 0.20 | 92.312 | 0.26 | 0.02 | -320.70 |
| 615.00 | 0.100 | 108.640 | 615.00 | -0.16 | -0.02 | 0.21 | 1713381.69 | 390493.52 | 39°34'3.6470"N | 80°31'0.1699"W | 0.22 | 96.336 | 0.33 | 0.06 | -316.50 |
| 665.00 | 0.030 | 72.360 | 665.00 | -0.21 | -0.03 | 0.27 | 1713381.75 | 390493.51 | 39°34'3.6469"N | 80°31'0.1692"W | 0.27 | 97.179 | 0.16 | -0.14 | -72.56 |
| 715.00 | 0.070 | 113.930 | 715.00 | -0.24 | -0.04 | 0.31 | 1713381.79 | 390493.50 | 39°34'3.6469"N | 80°31'0.1687"W | 0.31 | 97.787 | 0.10 | 0.08 | 83.14 |
| 765.00 | 0.120 | 78.270 | 765.00 | -0.30 | -0.04 | 0.39 | 1713381.87 | 390493.50 | 39°34'3.6469"N | 80°31'0.1677"W | 0.39 | 96.466 | 0.15 | 0.10 | -71.32 |
| 815.00 | 0.190 | 83.260 | 815.00 | -0.37 | -0.02 | 0.52 | 1713382.00 | 390493.52 | 39°34'3.6471"N | 80°31'0.1660"W | 0.52 | 92.591 | 0.14 | 0.14 | 9.98 |
| 838.00 | 0.110 | 111.050 | 838.00 | -0.42 | -0.03 | 0.58 | 1713382.06 | 390493.51 | 39°34'3.6470"N | 80°31'0.1652"W | 0.58 | 92.671 | 0.46 | -0.35 | 120.83 |
| 865.00 | 0.100 | 64.480 | 865.00 | -0.45 | -0.03 | 0.63 | 1713382.11 | 390493.51 | 39°34'3.6471"N | 80°31'0.1647"W | 0.63 | 92.400 | 0.31 | -0.04 | -172.48 |
| 915.00 | 0.130 | 92.570 | 915.00 | -0.50 | -0.01 | 0.72 | 1713382.20 | 390493.53 | 39°34'3.6472"N | 80°31'0.1634"W | 0.72 | 90.791 | 0.13 | 0.06 | 56.18 |
| 965.00 | 0.170 | 93.840 | 965.00 | -0.59 | -0.02 | 0.85 | 1713382.33 | 390493.52 | 39°34'3.6472"N | 80°31'0.1618"W | 0.85 | 91.174 | 0.08 | 0.08 | 2.54 |
| 1015.00 | 0.250 | 89.270 | 1015.00 | -0.72 | -0.02 | 1.04 | 1713382.52 | 390493.52 | 39°34'3.6472"N | 80°31'0.1594"W | 1.04 | 91.165 | 0.16 | 0.16 | -9.14 |
| 1043.00 | 0.300 | 111.100 | 1043.00 | -0.83 | -0.05 | 1.16 | 1713382.64 | 390493.49 | 39°34'3.6469"N | 80°31'0.1578"W | 1.17 | 92.294 | 0.41 | 0.18 | 77.96 |
| 1084.00 | 0.400 | 132.400 | 1084.00 | -1.07 | -0.18 | 1.37 | 1713382.85 | 390493.36 | 39°34'3.6456"N | 80°31'0.1551"W | 1.38 | 97.556 | 0.40 | 0.24 | 51.95 |
| 1127.00 | 0.310 | 133.230 | 1127.00 | -1.33 | -0.36 | 1.57 | 1713383.05 | 390493.18 | 39°34'3.6438"N | 80°31'0.1526"W | 1.67 | 103.038 | 0.21 | -0.21 | 1.93 |
| 1170.00 | 0.700 | 186.350 | 1170.00 | -1.62 | -0.70 | 1.62 | 1713383.10 | 390492.84 | 39°34'3.6405"N | 80°31'0.1518"W | 1.77 | 113.446 | 1.33 | 0.91 | 123.53 |
| 1212.00 | 1.450 | 197.080 | 1211.99 | -2.05 | -1.47 | 1.44 | 1713382.92 | 390492.07 | 39°34'3.6329"N | 80°31'0.1541"W | 2.05 | 135.570 | 1.84 | 1.79 | 25.55 |
| 1255.00 | 2.190 | 203.680 | 1254.97 | -2.65 | -2.74 | 0.95 | 1713382.43 | 390490.80 | 39°34'3.6203"N | 80°31'0.1601"W | 2.90 | 160.913 | 1.79 | 1.72 | 15.35 |
| 1298.00 | 2.840 | 208.640 | 1297.92 | -3.31 | -4.43 | 0.11 | 1713381.59 | 390489.11 | 39°34'3.6035"N | 80°31'0.1706"W | 4.43 | 178.613 | 1.59 | 1.51 | 11.53 |
| 1341.00 | 3.790 | 213.810 | 1340.85 | -3.97 | -6.54 | -1.19 | 1713380.29 | 390487.00 | 39°34'3.5825"N | 80°31'0.1869"W | 6.65 | 190.346 | 2.31 | 2.21 | 12.02 |



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| Field | Weizel | API | 47-103-03431 |
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| Slot | Slot #01 | | |

WELLPATH DATA (280 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|----------------|----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 1384.00 | 4.610 | 216.820 | 1383.74 | -4.60 | -9.11 | -3.02 | 1713378.46 | 390484.43 | 39°34'3.5569"N | 80°31'0.2099"W | 9.59 | 198.352 | 1.97 | 1.91 | 7.00 |
| 1427.00 | 5.900 | 221.650 | 1426.55 | -5.12 | -12.14 | -5.53 | 1713375.96 | 390481.40 | 39°34'3.5266"N | 80°31'0.2414"W | 13.34 | 204.469 | 3.17 | 3.00 | 11.23 |
| 1471.00 | 6.890 | 223.430 | 1470.28 | -5.49 | -15.75 | -8.84 | 1713372.64 | 390477.79 | 39°34'3.4906"N | 80°31'0.2833"W | 18.06 | 209.315 | 2.29 | 2.25 | 4.05 |
| 1514.00 | 7.970 | 224.930 | 1512.92 | -5.76 | -19.73 | -12.72 | 1713368.76 | 390473.81 | 39°34'3.4508"N | 80°31'0.3322"W | 23.48 | 212.811 | 2.55 | 2.51 | 3.49 |
| 1557.00 | 8.600 | 228.600 | 1555.47 | -5.78 | -23.97 | -17.24 | 1713364.24 | 390469.57 | 39°34'3.4085"N | 80°31'0.3893"W | 29.52 | 215.724 | 1.91 | 1.47 | 8.53 |
| 1600.00 | 9.420 | 232.670 | 1597.94 | -5.35 | -28.23 | -22.45 | 1713359.03 | 390465.31 | 39°34'3.3658"N | 80°31'0.4552"W | 36.07 | 218.493 | 2.41 | 1.91 | 9.47 |
| 1686.00 | 10.030 | 236.470 | 1682.70 | -3.43 | -36.63 | -34.29 | 1713347.19 | 390456.91 | 39°34'3.2814"N | 80°31'0.6051"W | 50.18 | 223.106 | 1.03 | 0.71 | 4.42 |
| 1772.00 | 10.590 | 232.950 | 1767.32 | -1.38 | -45.53 | -46.84 | 1713334.65 | 390448.01 | 39°34'3.1920"N | 80°31'0.7641"W | 65.32 | 225.810 | 0.98 | 0.65 | -4.09 |
| 1859.00 | 11.110 | 235.180 | 1852.76 | 0.64 | -55.13 | -60.10 | 1713321.38 | 390438.41 | 39°34'3.0957"N | 80°31'0.9320"W | 81.56 | 227.467 | 0.77 | 0.60 | 2.56 |
| 1945.00 | 11.780 | 236.100 | 1937.05 | 3.20 | -64.76 | -74.19 | 1713307.30 | 390428.78 | 39°34'2.9989"N | 80°31'1.1105"W | 98.48 | 228.881 | 0.81 | 0.78 | 1.07 |
| 2031.00 | 12.180 | 235.230 | 2021.18 | 5.88 | -74.83 | -88.93 | 1713292.56 | 390418.71 | 39°34'2.8978"N | 80°31'1.2973"W | 116.22 | 229.920 | 0.51 | 0.47 | -1.01 |
| 2117.00 | 10.870 | 233.000 | 2105.44 | 8.02 | -84.89 | -102.86 | 1713278.63 | 390408.66 | 39°34'2.7968"N | 80°31'1.4737"W | 133.36 | 230.468 | 1.61 | -1.52 | -2.59 |
| 2203.00 | 10.200 | 235.420 | 2189.99 | 9.98 | -94.09 | -115.60 | 1713265.89 | 390399.46 | 39°34'2.7045"N | 80°31'1.6351"W | 149.05 | 230.858 | 0.93 | -0.78 | 2.81 |
| 2290.00 | 10.980 | 234.960 | 2275.51 | 12.25 | -103.22 | -128.73 | 1713252.76 | 390390.33 | 39°34'2.6128"N | 80°31'1.8014"W | 165.00 | 231.277 | 0.90 | 0.90 | -0.53 |
| 2376.00 | 10.870 | 232.480 | 2359.95 | 14.15 | -112.86 | -141.87 | 1713239.62 | 390380.69 | 39°34'2.5160"N | 80°31'1.9677"W | 181.28 | 231.497 | 0.56 | -0.13 | -2.88 |
| 2422.00 | 10.220 | 231.590 | 2405.17 | 14.89 | -118.04 | -148.50 | 1713232.99 | 390375.51 | 39°34'2.4641"N | 80°31'2.0517"W | 189.70 | 231.521 | 1.46 | -1.41 | -1.93 |
| 2506.00 | 8.130 | 231.490 | 2488.10 | 15.94 | -126.36 | -158.99 | 1713222.50 | 390367.18 | 39°34'2.3806"N | 80°31'2.1844"W | 203.09 | 231.523 | 2.49 | -2.49 | -0.12 |
| 2550.00 | 7.660 | 228.310 | 2531.68 | 16.25 | -130.25 | -163.62 | 1713217.87 | 390363.30 | 39°34'2.3417"N | 80°31'2.2429"W | 209.13 | 231.477 | 1.46 | -1.07 | -7.23 |
| 2593.00 | 8.810 | 230.410 | 2574.23 | 16.51 | -134.26 | -168.29 | 1713213.20 | 390359.29 | 39°34'2.3016"N | 80°31'2.3021"W | 215.28 | 231.419 | 2.76 | 2.67 | 4.88 |
| 2636.00 | 11.100 | 235.080 | 2616.58 | 17.29 | -138.73 | -174.23 | 1713207.26 | 390354.82 | 39°34'2.2568"N | 80°31'2.3722"W | 222.71 | 231.472 | 5.64 | 5.33 | 10.86 |
| 2679.00 | 12.800 | 237.220 | 2658.65 | 18.71 | -143.67 | -181.63 | 1713199.87 | 390349.87 | 39°34'2.2070"N | 80°31'2.4709"W | 231.58 | 231.654 | 4.08 | 3.95 | 4.98 |
| 2722.00 | 14.020 | 239.120 | 2700.48 | 20.65 | -148.93 | -199.64 | 1713191.39 | 390344.62 | 39°34'2.1542"N | 80°31'2.5784"W | 241.49 | 231.925 | 3.02 | 2.84 | 4.42 |
| 2766.00 | 14.980 | 240.780 | 2743.08 | 23.12 | -154.44 | -190.10 | 1713181.85 | 390339.11 | 39°34'2.0987"N | 80°31'2.6994"W | 252.40 | 232.275 | 2.38 | 2.18 | 3.77 |
| 2852.00 | 18.160 | 243.960 | 2825.50 | 29.67 | -165.75 | -221.39 | 1713160.11 | 390327.80 | 39°34'1.9844"N | 80°31'2.9754"W | 276.56 | 233.178 | 3.84 | 3.70 | 3.70 |
| 2938.00 | 20.990 | 244.900 | 2906.52 | 38.30 | -178.17 | -247.38 | 1713134.11 | 390315.38 | 39°34'1.8588"N | 80°31'3.3055"W | 304.86 | 234.238 | 3.31 | 3.29 | 1.09 |
| 3025.00 | 22.830 | 246.000 | 2987.23 | 48.58 | -191.65 | -276.91 | 1713104.58 | 390301.91 | 39°34'1.7223"N | 80°31'3.6806"W | 336.76 | 235.314 | 2.17 | 2.11 | 1.26 |
| 3111.00 | 24.030 | 246.680 | 3066.14 | 59.89 | -205.36 | -308.24 | 1713073.26 | 390288.19 | 39°34'1.5832"N | 80°31'4.0786"W | 370.38 | 236.326 | 1.43 | 1.40 | 0.79 |
| 3197.00 | 26.180 | 250.450 | 3144.01 | 73.33 | -218.65 | -342.20 | 1713039.30 | 390274.91 | 39°34'1.4481"N | 80°31'4.5103"W | 406.09 | 237.424 | 3.11 | 2.50 | 4.38 |
| 3283.00 | 28.860 | 251.820 | 3220.28 | 89.58 | -231.47 | -379.80 | 1713001.70 | 390262.08 | 39°34'1.3172"N | 80°31'4.9886"W | 444.78 | 238.640 | 3.20 | 3.12 | 1.59 |
| 3369.00 | 32.100 | 253.200 | 3294.38 | 108.38 | -244.56 | -421.41 | 1712960.10 | 390249.00 | 39°34'1.1832"N | 80°31'5.5179"W | 487.23 | 239.872 | 3.85 | 3.77 | 1.60 |

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|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 3456.00 | 34.790 | 251.550 | 3366.97 | 128.88 | -259.10 | -467.09 | 1712914.42 | 390234.46 | 39°34'1.0344"N | 80°31'16.0991"W | 534.14 | 240.983 | 3.26 | 3.09 | -1.90 |
| 3542.00 | 37.800 | 251.250 | 3436.28 | 149.89 | -275.34 | -515.33 | 1712866.18 | 390218.22 | 39°34'0.8685"N | 80°31'16.7127"W | 584.27 | 241.885 | 3.51 | 3.50 | -0.35 |
| 3628.00 | 37.590 | 250.230 | 3504.33 | 171.04 | -292.68 | -564.97 | 1712816.54 | 390200.88 | 39°34'0.6915"N | 80°31'17.3440"W | 636.28 | 242.614 | 0.77 | -0.24 | -1.19 |
| 3715.00 | 36.180 | 247.630 | 3573.92 | 190.54 | -311.43 | -613.70 | 1712767.82 | 390182.13 | 39°34'0.5008"N | 80°31'17.9634"W | 688.19 | 243.094 | 2.42 | -1.62 | -2.99 |
| 3801.00 | 36.700 | 244.730 | 3643.11 | 207.30 | -332.06 | -660.41 | 1712721.11 | 390161.50 | 39°34'0.2916"N | 80°31'18.5569"W | 739.20 | 243.306 | 2.09 | 0.60 | -3.37 |
| 3887.00 | 37.930 | 247.080 | 3711.51 | 224.18 | -353.33 | -708.00 | 1712673.52 | 390140.23 | 39°34'0.0761"N | 80°31'19.1614"W | 791.27 | 243.478 | 2.19 | 1.43 | 2.73 |
| 3973.00 | 38.690 | 247.100 | 3778.99 | 242.48 | -374.08 | -757.11 | 1712624.42 | 390119.48 | 39°33'59.8655"N | 80°31'19.7854"W | 844.48 | 243.706 | 0.88 | 0.88 | 0.02 |
| 4059.00 | 38.600 | 248.540 | 3846.16 | 261.55 | -394.36 | -806.84 | 1712574.69 | 390099.21 | 39°33'59.6596"N | 80°31'10.4174"W | 898.06 | 243.962 | 1.05 | -0.10 | 1.67 |
| 4146.00 | 35.000 | 255.830 | 3915.84 | 283.54 | -410.41 | -856.33 | 1712525.21 | 390083.16 | 39°33'59.4954"N | 80°31'11.0470"W | 949.59 | 244.393 | 6.50 | -4.14 | 8.38 |
| 4232.00 | 34.420 | 257.750 | 3986.54 | 307.85 | -421.60 | -903.99 | 1712477.54 | 390071.96 | 39°33'59.3794"N | 80°31'11.6540"W | 997.47 | 244.997 | 1.44 | -0.67 | 2.23 |
| 4318.00 | 35.290 | 252.930 | 4057.13 | 331.13 | -434.05 | -951.50 | 1712430.03 | 390059.51 | 39°33'59.2511"N | 80°31'12.2588"W | 1045.83 | 245.479 | 3.36 | 1.01 | -5.60 |
| 4404.00 | 35.140 | 257.320 | 4127.40 | 354.48 | -446.78 | -999.40 | 1712382.14 | 390046.79 | 39°33'59.1199"N | 80°31'12.8686"W | 1094.73 | 245.913 | 2.95 | -0.17 | 5.10 |
| 4490.00 | 34.240 | 258.130 | 4198.11 | 379.46 | -457.19 | -1047.23 | 1712334.31 | 390036.38 | 39°33'58.8992"N | 80°31'13.4777"W | 1142.68 | 246.415 | 1.18 | -1.05 | 0.94 |
| 4576.00 | 34.300 | 255.980 | 4269.19 | 403.70 | -468.04 | -1094.42 | 1712287.13 | 390025.53 | 39°33'58.7706"N | 80°31'14.6908"W | 1190.30 | 246.846 | 1.41 | 0.07 | -2.50 |
| 4663.00 | 35.340 | 254.980 | 4340.61 | 427.37 | -480.50 | -1142.50 | 1712239.04 | 390013.07 | 39°33'58.6314"N | 80°31'15.3061"W | 1239.43 | 247.190 | 1.36 | 1.20 | -1.15 |
| 4749.00 | 36.100 | 253.750 | 4410.43 | 450.42 | -494.03 | -1190.85 | 1712190.70 | 389999.54 | 39°33'58.4776"N | 80°31'15.9184"W | 1289.26 | 247.469 | 1.22 | 0.88 | -1.43 |
| 4835.00 | 35.680 | 251.580 | 4480.10 | 472.25 | -509.05 | -1238.97 | 1712142.58 | 389984.52 | 39°33'58.3155"N | 80°31'16.5181"W | 1339.47 | 247.664 | 1.56 | -0.49 | -2.52 |
| 4921.00 | 35.010 | 251.220 | 4550.25 | 492.78 | -524.92 | -1286.12 | 1712095.43 | 389968.66 | 39°33'58.1741"N | 80°31'17.0484"W | 1389.12 | 247.798 | 0.82 | -0.78 | -0.42 |
| 4998.00 | 34.560 | 252.070 | 4613.49 | 511.08 | -538.75 | -1327.82 | 1712053.74 | 389954.82 | 39°33'58.0201"N | 80°31'17.6486"W | 1432.95 | 247.916 | 0.86 | -0.58 | 1.10 |
| 5084.00 | 35.760 | 252.540 | 4683.80 | 532.24 | -553.80 | -1375.00 | 1712006.57 | 389939.77 | 39°33'57.8506"N | 80°31'18.2718"W | 1482.33 | 248.062 | 1.43 | 1.40 | 0.55 |
| 5171.00 | 37.220 | 250.080 | 4753.75 | 553.50 | -570.39 | -1423.99 | 1711957.58 | 389923.18 | 39°33'57.6721"N | 80°31'18.8930"W | 1533.98 | 248.171 | 2.38 | 1.68 | -2.83 |
| 5257.00 | 37.010 | 250.500 | 4822.33 | 574.00 | -587.90 | -1472.84 | 1711908.73 | 389905.68 | 39°33'57.5085"N | 80°31'19.5167"W | 1585.84 | 248.240 | 0.38 | -0.24 | 0.49 |
| 5343.00 | 36.710 | 253.360 | 4891.14 | 595.72 | -603.90 | -1521.87 | 1711859.70 | 389889.68 | 39°33'57.3567"N | 80°31'20.1364"W | 1637.31 | 248.356 | 2.03 | -2.05 | 3.33 |
| 5430.00 | 34.920 | 252.820 | 4961.69 | 618.10 | -618.70 | -1570.58 | 1711810.99 | 389874.88 | 39°33'57.2004"N | 80°31'20.7232"W | 1688.05 | 248.499 | 2.09 | -0.36 | -0.62 |
| 5516.00 | 33.920 | 250.460 | 5032.63 | 638.36 | -634.00 | -1616.71 | 1711764.86 | 389859.58 | 39°33'57.0268"N | 80°31'21.3012"W | 1736.58 | 248.587 | 1.94 | -1.16 | -2.74 |
| 5602.00 | 34.840 | 248.450 | 5103.61 | 656.88 | -651.05 | -1662.18 | 1711719.40 | 389842.53 | 39°33'57.8336"N | 80°31'21.8826"W | 1785.13 | 248.611 | 1.70 | 1.07 | -2.34 |
| 5688.00 | 35.530 | 246.420 | 5173.90 | 674.15 | -670.07 | -1707.93 | 1711673.65 | 389823.51 | 39°33'56.6237"N | 80°31'22.4732"W | 1834.67 | 248.579 | 1.58 | 0.80 | -2.36 |
| 5775.00 | 36.080 | 245.560 | 5244.46 | 690.70 | -690.78 | -1754.42 | 1711627.16 | 389802.80 | 39°33'56.4127"N | 80°31'23.0647"W | 1885.52 | 248.509 | 0.86 | 0.63 | -0.99 |
| 5861.00 | 36.670 | 246.250 | 5313.70 | 707.21 | -711.60 | -1800.98 | 1711580.61 | 389781.98 | 39°33'56.2117"N | 80°31'23.6477"W | 1936.47 | 248.440 | 0.83 | 0.69 | 0.80 |
| 5947.00 | 34.410 | 247.050 | 5383.68 | 723.99 | -731.42 | -1846.87 | 1711534.72 | 389762.17 | 39°33'56.2117"N | 80°31'23.6477"W | 1986.43 | 248.395 | 2.68 | -2.63 | 0.93 |

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03/01/2024



Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'

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REFERENCE WELLPATH IDENTIFICATION

| | |
|----------|------------------------|
| Operator | EQT PRODUCTION COMPANY |
| Field | Wetzel |
| Facility | Big 464 Pad |
| Slot | Slot #01 |
| Well | BIG 464 1H (L-004034) |
| API | 47-103-03431 |
| Wellbore | BIG 464 1H AWB |

WELLPATH DATA (280 stations)

| 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] |
|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 6033.00 | 34.290 | 249.380 | 5454.68 | 741.53 | -749.43 | -1891.92 | 1711489.67 | 389744.16 | 39°33'56.0286"N | 80°31'24.2203"W | 2034.95 | 248.391 | 1.53 | -0.14 | 2.71 |
| 6120.00 | 36.150 | 248.800 | 5525.75 | 760.38 | -767.34 | -1938.79 | 1711442.81 | 389726.25 | 39°33'55.8464"N | 80°31'24.8161"W | 2085.12 | 248.407 | 2.17 | 2.14 | -0.67 |
| 6206.00 | 36.150 | 249.400 | 5595.20 | 779.45 | -785.44 | -1986.18 | 1711395.42 | 389708.15 | 39°33'55.6622"N | 80°31'25.4185"W | 2135.84 | 248.424 | 0.41 | 0.00 | 0.70 |
| 6292.00 | 36.420 | 251.900 | 5664.52 | 799.85 | -802.29 | -2034.19 | 1711347.41 | 389691.30 | 39°33'55.4902"N | 80°31'26.0291"W | 2186.69 | 248.476 | 1.75 | 0.31 | 2.91 |
| 6378.00 | 37.120 | 253.980 | 5733.41 | 822.35 | -817.39 | -2083.40 | 1711298.20 | 389676.20 | 39°33'55.3355"N | 80°31'26.6552"W | 2238.01 | 248.578 | 1.66 | 0.81 | 2.42 |
| 6465.00 | 37.330 | 254.630 | 5802.69 | 846.48 | -831.62 | -2134.07 | 1711247.54 | 389661.97 | 39°33'55.1891"N | 80°31'27.3001"W | 2290.38 | 248.710 | 0.51 | 0.24 | 0.75 |
| 6551.00 | 37.060 | 256.460 | 5871.20 | 871.30 | -844.60 | -2184.41 | 1711197.20 | 389648.99 | 39°33'55.0551"N | 80°31'27.9409"W | 2342.01 | 248.861 | 1.32 | -0.31 | 2.13 |
| 6629.00 | 37.190 | 257.020 | 5933.39 | 894.64 | -855.40 | -2230.23 | 1711151.38 | 389638.19 | 39°33'54.9432"N | 80°31'28.5244"W | 2388.65 | 249.016 | 0.46 | 0.17 | 0.72 |
| 6715.00 | 37.060 | 255.370 | 6001.96 | 919.94 | -867.78 | -2280.63 | 1711100.98 | 389625.81 | 39°33'54.8152"N | 80°31'29.1661"W | 2440.15 | 249.168 | 1.17 | -0.15 | -1.92 |
| 6800.00 | 35.080 | 254.090 | 6070.66 | 943.22 | -880.95 | -2328.91 | 1711052.71 | 389612.64 | 39°33'54.6796"N | 80°31'29.7806"W | 2489.96 | 249.280 | 2.49 | -2.33 | -1.51 |
| 6887.00 | 33.830 | 251.680 | 6142.40 | 964.71 | -895.42 | -2375.95 | 1711005.68 | 389598.18 | 39°33'54.5314"N | 80°31'30.3790"W | 2539.08 | 249.350 | 2.13 | -1.44 | -2.77 |
| 6973.00 | 34.160 | 248.510 | 6285.68 | 1001.26 | -928.56 | -2465.13 | 1710916.50 | 389565.04 | 39°33'54.0062"N | 80°31'32.0908"W | 2586.54 | 249.370 | 1.80 | -0.74 | -2.97 |
| 7059.00 | 34.520 | 247.300 | 6357.52 | 1018.75 | -947.02 | -2510.60 | 1710871.03 | 389546.58 | 39°33'53.8058"N | 80°31'32.6627"W | 2634.22 | 249.360 | 1.20 | 1.13 | -0.72 |
| 7146.00 | 34.520 | 247.300 | 6357.52 | 1018.75 | -947.02 | -2510.60 | 1710871.03 | 389546.58 | 39°33'53.8058"N | 80°31'32.6627"W | 2683.28 | 249.333 | 0.89 | 0.41 | -1.39 |
| 7232.00 | 35.230 | 245.330 | 6428.07 | 1034.99 | -966.78 | -2555.63 | 1710826.01 | 389526.82 | 39°33'53.5960"N | 80°31'33.2516"W | 2732.38 | 249.279 | 1.55 | 0.83 | -2.29 |
| 7318.00 | 37.150 | 246.510 | 6497.48 | 1051.45 | -987.48 | -2601.99 | 1710779.65 | 389506.12 | 39°33'53.3955"N | 80°31'33.8754"W | 2783.07 | 249.218 | 2.37 | 2.23 | 1.37 |
| 7404.00 | 38.790 | 249.640 | 6565.28 | 1070.48 | -1007.21 | -2651.07 | 1710730.57 | 389486.39 | 39°33'53.2136"N | 80°31'34.5118"W | 2835.95 | 249.197 | 2.94 | 1.91 | 3.64 |
| 7490.00 | 37.530 | 251.150 | 6632.90 | 1091.55 | -1025.05 | -2701.12 | 1710680.53 | 389468.56 | 39°33'53.0371"N | 80°31'35.1409"W | 2889.07 | 249.219 | 1.82 | -1.47 | 1.76 |
| 7576.00 | 37.560 | 250.320 | 6701.09 | 1112.63 | -1042.34 | -2750.59 | 1710631.06 | 389451.27 | 39°33'52.8578"N | 80°31'35.7926"W | 2941.46 | 249.246 | 0.59 | 0.03 | -0.97 |
| 7663.00 | 39.460 | 251.810 | 6769.16 | 1134.71 | -1059.90 | -2801.83 | 1710579.82 | 389433.70 | 39°33'52.6907"N | 80°31'36.4406"W | 2995.60 | 249.279 | 2.43 | 2.18 | 1.71 |
| 7749.00 | 37.470 | 252.680 | 6836.50 | 1157.50 | -1076.22 | -2852.77 | 1710528.89 | 389417.38 | 39°33'52.6108"N | 80°31'36.7471"W | 3049.02 | 249.331 | 2.40 | -2.31 | 1.01 |
| 7791.00 | 36.730 | 251.400 | 6870.00 | 1168.22 | -1084.03 | -2876.87 | 1710504.79 | 389409.58 | 39°33'52.5606"N | 80°31'36.9336"W | 3074.33 | 249.353 | 2.55 | -1.76 | -3.05 |
| 7817.00 | 36.250 | 251.540 | 6890.90 | 1174.62 | -1088.94 | -2891.53 | 1710490.13 | 389404.66 | 39°33'52.3821"N | 80°31'37.6303"W | 3089.78 | 249.364 | 1.87 | -1.85 | 0.54 |
| 7916.00 | 34.740 | 253.170 | 6971.50 | 1199.20 | -1106.38 | -2946.29 | 1710435.36 | 389387.23 | 39°33'52.3065"N | 80°31'38.3300"W | 3147.18 | 249.418 | 1.80 | -1.53 | 1.65 |
| 8011.00 | 37.340 | 271.660 | 7048.54 | 1231.47 | -1113.41 | -3001.17 | 1710380.49 | 389380.20 | 39°33'52.3366"N | 80°31'39.1131"W | 3201.05 | 249.646 | 11.74 | 2.74 | 19.46 |
| 8106.00 | 43.280 | 275.130 | 7120.96 | 1276.00 | -1109.65 | -3062.47 | 1710319.20 | 389383.95 | 39°33'52.4349"N | 80°31'39.9598"W | 3257.31 | 250.083 | 6.68 | 6.25 | 3.65 |
| 8201.00 | 46.700 | 283.000 | 7188.19 | 1328.95 | -1098.96 | -3128.66 | 1710253.01 | 389394.65 | 39°33'52.6499"N | 80°31'40.8367"W | 3316.05 | 250.646 | 6.87 | 3.60 | 8.28 |
| 8296.00 | 52.300 | 293.050 | 7249.96 | 1392.09 | -1076.41 | -3197.08 | 1710184.59 | 389417.19 | 39°33'52.6499"N | 80°31'41.7189"W | 3373.42 | 251.392 | 9.96 | 5.89 | 10.58 |
| 8391.00 | 57.740 | 302.300 | 7304.48 | 1465.45 | -1040.15 | -3265.77 | 1710115.91 | 389453.45 | 39°33'53.0005"N | 80°31'42.5715"W | 3427.41 | 252.333 | 9.81 | 5.73 | 9.74 |
| 8486.00 | 64.180 | 311.390 | 7350.64 | 1547.06 | -990.29 | -3331.97 | 1710049.71 | 389503.31 | 39°33'53.4858"N | 80°31'42.5715"W | 3476.02 | 253.448 | 10.76 | 6.78 | 9.57 |

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Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

WELLPATH DATA (280 stations)

| 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 8581.00 | 70.680 | 318.350 | 7387.12 | 1634.61 | -928.39 | -3393.97 | 1709987.71 | 389565.21 | 39°33'54.0905"N | 80°31'43.3722"W | 3518.66 | 254.701 | 9.62 | 6.84 | 7.33 |
| 8676.00 | 76.710 | 322.520 | 7413.79 | 1725.56 | -858.12 | -3451.97 | 1709929.72 | 389635.47 | 39°33'54.7784"N | 80°31'44.1229"W | 3557.03 | 256.040 | 7.62 | 6.35 | 4.39 |
| 8771.00 | 81.350 | 324.840 | 7431.87 | 1818.16 | -782.99 | -3507.18 | 1709874.52 | 389710.60 | 39°33'55.5146"N | 80°31'44.8388"W | 3593.52 | 257.415 | 5.44 | 4.88 | 2.44 |
| 8866.00 | 88.340 | 328.830 | 7440.40 | 1911.31 | -703.84 | -3558.88 | 1709822.82 | 389789.74 | 39°33'56.2909"N | 80°31'45.5105"W | 3627.81 | 258.813 | 8.46 | 7.36 | 4.20 |
| 8961.00 | 86.890 | 327.940 | 7444.36 | 2004.37 | -623.02 | -3608.63 | 1709773.07 | 389870.56 | 39°33'57.0841"N | 80°31'46.1576"W | 3662.02 | 260.205 | 1.79 | -1.53 | -0.94 |
| 9057.00 | 87.010 | 328.800 | 7449.46 | 2098.36 | -541.39 | -3658.91 | 1709722.80 | 389952.18 | 39°33'57.8850"N | 80°31'46.8114"W | 3698.74 | 261.583 | 0.90 | 0.12 | 0.90 |
| 9152.00 | 90.120 | 330.370 | 7451.84 | 2191.04 | -459.50 | -3706.98 | 1709674.73 | 390034.06 | 39°33'58.6888"N | 80°31'47.4372"W | 3735.35 | 262.934 | 3.67 | 3.27 | 1.65 |
| 9247.00 | 89.510 | 328.210 | 7452.15 | 2283.86 | -377.83 | -3755.49 | 1709626.22 | 390115.73 | 39°33'59.4905"N | 80°31'48.0686"W | 3774.45 | 264.255 | 2.36 | -0.64 | -2.27 |
| 9342.00 | 90.250 | 328.760 | 7452.35 | 2376.96 | -296.85 | -3805.15 | 1709576.56 | 390196.71 | 39°34'0.2852"N | 80°31'48.7145"W | 3816.71 | 265.539 | 0.97 | 0.78 | 0.58 |
| 9437.00 | 91.050 | 329.910 | 7451.27 | 2469.77 | -215.14 | -3853.60 | 1709528.12 | 390278.42 | 39°34'1.0872"N | 80°31'49.3450"W | 3859.60 | 266.805 | 1.47 | 0.84 | 1.21 |
| 9532.00 | 90.180 | 327.360 | 7450.25 | 2562.81 | -134.03 | -3903.03 | 1709478.68 | 390359.52 | 39°34'1.8831"N | 80°31'49.9881"W | 3905.34 | 268.033 | 2.84 | -0.92 | -2.68 |
| 9628.00 | 87.470 | 322.930 | 7452.22 | 2657.79 | -55.30 | -3957.87 | 1709423.85 | 390438.25 | 39°34'2.6550"N | 80°31'50.6998"W | 3958.25 | 269.200 | 5.41 | -2.82 | -4.61 |
| 9723.00 | 86.820 | 329.360 | 7456.96 | 2751.43 | 23.46 | -4010.70 | 1709371.03 | 390516.99 | 39°34'3.4273"N | 80°31'51.3859"W | 4010.77 | 270.335 | 6.79 | -0.68 | 6.77 |
| 9818.00 | 88.610 | 330.850 | 7460.74 | 2843.88 | 105.74 | -4058.01 | 1709323.72 | 390599.28 | 39°34'4.2352"N | 80°31'52.0020"W | 4059.38 | 271.493 | 2.49 | 1.88 | 1.57 |
| 9913.00 | 90.830 | 330.040 | 7461.21 | 2936.27 | 188.38 | -4104.86 | 1709276.87 | 390681.90 | 39°34'5.0465"N | 80°31'52.6124"W | 4109.18 | 272.628 | 2.45 | 2.34 | -0.85 |
| 10008.00 | 89.540 | 327.690 | 7460.90 | 3029.24 | 269.68 | -4153.98 | 1709227.76 | 390763.21 | 39°34'5.8444"N | 80°31'53.2514"W | 4162.72 | 273.715 | 2.82 | -1.36 | -2.47 |
| 10102.00 | 87.810 | 328.280 | 7463.08 | 3121.50 | 349.36 | -4203.80 | 1709177.94 | 390842.88 | 39°34'6.6262"N | 80°31'53.8992"W | 4218.29 | 274.751 | 1.94 | -1.84 | 0.63 |
| 10197.00 | 89.690 | 330.380 | 7465.15 | 3214.28 | 431.05 | -4252.24 | 1709129.50 | 390924.56 | 39°34'7.4280"N | 80°31'54.5297"W | 4274.03 | 275.788 | 2.97 | 1.98 | 2.21 |
| 10293.00 | 90.060 | 332.090 | 7465.36 | 3307.34 | 515.20 | -4298.43 | 1709083.31 | 391008.70 | 39°34'8.2543"N | 80°31'55.1319"W | 4329.20 | 276.835 | 1.82 | 0.39 | 1.78 |
| 10387.00 | 89.380 | 331.150 | 7465.82 | 3398.30 | 597.90 | -4343.11 | 1709038.63 | 391091.40 | 39°34'9.0666"N | 80°31'55.7145"W | 4384.07 | 277.838 | 1.23 | -0.72 | -1.00 |
| 10482.00 | 91.320 | 330.970 | 7465.24 | 3490.46 | 681.03 | -4389.08 | 1708992.67 | 391174.53 | 39°34'9.8829"N | 80°31'56.3136"W | 4441.60 | 278.820 | 2.05 | 2.04 | -0.19 |
| 10578.00 | 90.370 | 328.490 | 7463.82 | 3584.09 | 763.92 | -4437.46 | 1708944.29 | 391257.42 | 39°34'10.6966"N | 80°31'56.9435"W | 4502.73 | 279.768 | 2.77 | -0.99 | -2.58 |
| 10672.00 | 88.740 | 331.090 | 7464.55 | 3675.75 | 845.14 | -4484.75 | 1708897.00 | 391338.63 | 39°34'11.4939"N | 80°31'57.5593"W | 4563.69 | 280.672 | 3.26 | -1.73 | 2.77 |
| 10767.00 | 90.770 | 330.870 | 7464.96 | 3767.94 | 928.21 | -4530.83 | 1708850.92 | 391421.70 | 39°34'12.3096"N | 80°31'58.1599"W | 4624.94 | 281.578 | 2.15 | 2.14 | -0.23 |
| 10862.00 | 89.970 | 329.320 | 7464.34 | 3860.47 | 1010.56 | -4578.19 | 1708803.56 | 391504.04 | 39°34'13.1180"N | 80°31'58.7768"W | 4688.40 | 282.447 | 1.84 | -0.84 | -1.63 |
| 10957.00 | 90.180 | 329.320 | 7464.22 | 3953.29 | 1092.26 | -4626.67 | 1708755.09 | 391585.73 | 39°34'13.9199"N | 80°31'59.4077"W | 4753.85 | 283.283 | 0.22 | 0.22 | 0.00 |
| 11052.00 | 88.340 | 328.890 | 7465.45 | 4046.17 | 1173.77 | -4675.44 | 1708706.32 | 391667.24 | 39°34'14.7199"N | 80°32'0.0424"W | 4820.53 | 284.093 | 1.99 | -1.94 | -0.45 |
| 11147.00 | 90.310 | 330.090 | 7466.57 | 4138.92 | 1255.61 | -4723.66 | 1708658.10 | 391749.07 | 39°34'15.5232"N | 80°32'0.6702"W | 4887.69 | 284.886 | 2.43 | 2.07 | 1.26 |
| 11242.00 | 87.970 | 328.980 | 7467.99 | 4231.64 | 1337.47 | -4771.82 | 1708609.95 | 391830.93 | 39°34'16.3268"N | 80°32'1.2972"W | 4955.71 | 285.657 | 2.73 | -2.46 | -1.17 |
| 11337.00 | 88.950 | 331.690 | 7470.54 | 4324.04 | 1419.98 | -4818.82 | 1708562.96 | 391913.44 | 39°34'17.1369"N | 80°32'1.9094"W | 5023.68 | 286.419 | 3.03 | 1.03 | 2.85 |



Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

WELLPATH DATA (280 stations)

| 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 11432.00 | 91.320 | 329.480 | 7470.32 | 4416.38 | 1502.73 | -4865.47 | 1708516.31 | 391996.17 | 39°34'17.9492"N | 80°32'2.5172"W | 5092.24 | 287.164 | 3.41 | 2.49 | -2.33 |
| 11527.00 | 90.890 | 330.180 | 7468.49 | 4509.00 | 1584.84 | -4913.20 | 1708468.58 | 392078.28 | 39°34'18.7553"N | 80°32'3.1388"W | 5162.49 | 287.878 | 0.86 | -0.45 | 0.74 |
| 11623.00 | 90.690 | 327.700 | 7467.17 | 4602.91 | 1667.06 | -4962.72 | 1708419.06 | 392160.50 | 39°34'19.5623"N | 80°32'3.7832"W | 5235.24 | 288.568 | 2.59 | -0.22 | -2.58 |
| 11718.00 | 88.920 | 328.540 | 7467.51 | 4696.13 | 1747.73 | -5012.89 | 1708368.89 | 392241.16 | 39°34'20.3537"N | 80°32'4.4357"W | 5308.83 | 289.221 | 2.05 | -1.85 | 0.88 |
| 11813.00 | 91.390 | 328.720 | 7467.25 | 4789.18 | 1828.84 | -5062.34 | 1708319.44 | 392322.26 | 39°34'21.1496"N | 80°32'5.0791"W | 5382.56 | 289.863 | 2.61 | 2.60 | 0.19 |
| 11908.00 | 90.550 | 325.570 | 7465.64 | 4882.67 | 1908.62 | -5113.87 | 1708267.92 | 392402.04 | 39°34'21.9322"N | 80°32'5.7488"W | 5458.43 | 290.467 | 3.43 | -0.88 | -3.32 |
| 12003.00 | 88.890 | 327.340 | 7466.13 | 4976.38 | 1987.79 | -5166.36 | 1708215.43 | 392481.21 | 39°34'22.7087"N | 80°32'6.4307"W | 5535.57 | 291.045 | 2.58 | -1.78 | 1.86 |
| 12097.00 | 90.590 | 329.420 | 7466.58 | 5068.53 | 2067.82 | -5215.64 | 1708166.16 | 392561.24 | 39°34'23.4940"N | 80°32'7.0717"W | 5610.59 | 291.627 | 2.88 | 1.84 | 2.21 |
| 12192.00 | 89.450 | 326.180 | 7466.55 | 5161.84 | 2148.20 | -5266.25 | 1708115.55 | 392641.61 | 39°34'24.2826"N | 80°32'7.7299"W | 5687.55 | 292.191 | 3.62 | -1.20 | -3.41 |
| 12287.00 | 88.490 | 329.680 | 7468.25 | 5255.09 | 2228.68 | -5316.68 | 1708065.13 | 392722.08 | 39°34'25.0722"N | 80°32'8.3856"W | 5764.90 | 292.743 | 3.82 | -1.01 | 3.68 |
| 12382.00 | 91.020 | 329.520 | 7468.66 | 5347.80 | 2310.61 | -5364.75 | 1708017.06 | 392804.01 | 39°34'25.8764"N | 80°32'9.0115"W | 5841.18 | 293.302 | 2.67 | 2.66 | -0.17 |
| 12477.00 | 89.750 | 326.100 | 7468.02 | 5441.10 | 2390.99 | -5415.35 | 1707966.46 | 392884.39 | 39°34'26.6650"N | 80°32'9.6694"W | 5919.70 | 293.822 | 3.84 | -1.34 | -3.60 |
| 12572.00 | 89.080 | 328.180 | 7468.99 | 5534.61 | 2470.78 | -5466.89 | 1707914.93 | 392964.17 | 39°34'27.4476"N | 80°32'10.3393"W | 5999.30 | 294.321 | 2.30 | -0.71 | 2.19 |
| 12667.00 | 90.120 | 332.750 | 7469.66 | 5626.98 | 2553.41 | -5513.70 | 1707868.11 | 393046.80 | 39°34'28.2589"N | 80°32'10.9493"W | 6076.25 | 294.849 | 4.93 | 1.09 | 4.81 |
| 12761.00 | 92.740 | 328.910 | 7467.31 | 5718.21 | 2635.44 | -5559.49 | 1707822.33 | 393128.82 | 39°34'29.0644"N | 80°32'11.5461"W | 6152.52 | 295.363 | 4.94 | 2.79 | -4.09 |
| 12856.00 | 89.970 | 325.620 | 7465.06 | 5811.65 | 2715.31 | -5610.84 | 1707770.98 | 393208.69 | 39°34'29.8478"N | 80°32'12.2135"W | 6233.33 | 295.824 | 4.53 | -2.92 | -3.46 |
| 12951.00 | 87.900 | 328.670 | 7466.83 | 5905.14 | 2795.09 | -5662.36 | 1707719.47 | 393288.46 | 39°34'30.6304"N | 80°32'12.8832"W | 6314.65 | 296.272 | 3.88 | -2.18 | 3.21 |
| 13046.00 | 91.080 | 333.060 | 7467.67 | 5997.34 | 2878.04 | -5708.59 | 1707673.24 | 393371.40 | 39°34'31.4448"N | 80°32'13.4858"W | 6393.05 | 296.755 | 5.71 | 3.35 | 4.62 |
| 13141.00 | 90.960 | 327.460 | 7465.98 | 6089.76 | 2960.48 | -5755.69 | 1707626.14 | 393453.84 | 39°34'32.2542"N | 80°32'14.0994"W | 6472.43 | 297.219 | 5.90 | -0.13 | -5.89 |
| 13235.00 | 88.090 | 327.810 | 7466.76 | 6182.14 | 3039.86 | -5806.00 | 1707575.83 | 393533.22 | 39°34'33.0330"N | 80°32'14.7536"W | 6553.66 | 297.635 | 3.08 | -3.05 | 0.37 |
| 13331.00 | 88.030 | 331.380 | 7470.01 | 6275.77 | 3122.60 | -5854.55 | 1707527.28 | 393615.95 | 39°34'33.8451"N | 80°32'15.3858"W | 6635.24 | 298.074 | 3.72 | -0.06 | 3.72 |
| 13425.00 | 90.860 | 329.620 | 7470.92 | 6367.16 | 3204.40 | -5900.83 | 1707481.01 | 393697.12 | 39°34'34.6482"N | 80°32'15.9888"W | 6714.76 | 298.504 | 3.55 | 3.01 | -1.87 |
| 13521.00 | 91.260 | 326.370 | 7469.15 | 6461.38 | 3285.78 | -5951.74 | 1707430.14 | 393779.74 | 39°34'35.4466"N | 80°32'16.6504"W | 6798.46 | 298.902 | 3.41 | 0.42 | -3.39 |
| 13616.00 | 90.430 | 325.770 | 7467.75 | 6555.18 | 3364.59 | -6004.72 | 1707377.13 | 393857.93 | 39°34'36.2195"N | 80°32'17.3391"W | 6883.10 | 299.263 | 1.08 | -0.87 | -0.63 |
| 13711.00 | 89.510 | 323.670 | 7467.80 | 6649.32 | 3442.14 | -6059.58 | 1707322.27 | 393935.47 | 39°34'36.9796"N | 80°32'18.0511"W | 6968.99 | 299.599 | 2.41 | -0.97 | -2.21 |
| 13807.00 | 86.730 | 327.690 | 7470.95 | 6744.15 | 3521.36 | -6113.67 | 1707268.19 | 394014.69 | 39°34'37.7563"N | 80°32'18.7535"W | 7055.27 | 299.941 | 5.09 | -2.90 | 4.19 |
| 13902.00 | 88.980 | 331.670 | 7474.50 | 6836.75 | 3603.29 | -6161.58 | 1707220.28 | 394096.61 | 39°34'38.5604"N | 80°32'19.3774"W | 7137.84 | 300.319 | 4.81 | 2.37 | 4.19 |
| 13997.00 | 90.250 | 329.170 | 7475.14 | 6929.15 | 3685.90 | -6208.47 | 1707173.39 | 394179.21 | 39°34'39.3715"N | 80°32'19.9894"W | 7220.17 | 300.697 | 2.95 | 1.34 | -2.63 |
| 14092.00 | 89.570 | 330.440 | 7475.29 | 7021.85 | 3767.88 | -6256.46 | 1707125.40 | 394261.19 | 39°34'40.1762"N | 80°32'20.6134"W | 7303.44 | 301.058 | 1.25 | -0.72 | 1.02 |
| 14187.00 | 90.000 | 328.860 | 7475.65 | 7114.60 | 3849.73 | -6304.67 | 1707077.19 | 394343.04 | 39°34'40.9796"N | 80°32'21.2412"W | 7387.11 | 301.409 | 1.42 | 0.45 | -1.35 |

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Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

WELLPATH DATA (280 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 14282.00 | 91.200 | 330.580 | 7474.65 | 7207.27 | 3931.76 | -6352.57 | 1707029.29 | 394425.06 | 39°34'41.7848"N | 80°32'21.8649"W | 7470.87 | 301.754 | 2.21 | 1.26 | 1.81 |
| 14377.00 | 91.420 | 326.870 | 7472.48 | 7300.25 | 4012.92 | -6401.87 | 1706980.00 | 394506.22 | 39°34'42.5812"N | 80°32'22.5065"W | 7555.62 | 302.081 | 3.91 | 0.23 | -3.91 |
| 14472.00 | 89.480 | 328.010 | 7471.73 | 7393.67 | 4092.98 | -6452.99 | 1706928.88 | 394586.27 | 39°34'43.3666"N | 80°32'23.1712"W | 7641.57 | 302.386 | 2.37 | -2.04 | 1.20 |
| 14567.00 | 92.370 | 333.190 | 7470.20 | 7485.96 | 4175.70 | -6499.60 | 1706882.27 | 394668.99 | 39°34'44.1787"N | 80°32'23.7786"W | 7725.37 | 302.719 | 6.24 | 3.04 | 5.45 |
| 14662.00 | 93.510 | 329.720 | 7465.32 | 7577.83 | 4259.03 | -6544.93 | 1706836.95 | 394752.31 | 39°34'44.9970"N | 80°32'24.3698"W | 7808.67 | 303.054 | 3.84 | 1.20 | -3.65 |
| 14756.00 | 90.310 | 331.020 | 7462.19 | 7669.22 | 4340.68 | -6591.37 | 1706790.51 | 394833.96 | 39°34'45.7986"N | 80°32'24.9749"W | 7892.25 | 303.367 | 3.67 | -3.40 | 1.38 |
| 14851.00 | 90.060 | 330.360 | 7461.89 | 7761.53 | 4423.52 | -6637.87 | 1706744.07 | 394916.11 | 39°34'46.6119"N | 80°32'25.5810"W | 7976.77 | 303.680 | 0.74 | -0.26 | -0.69 |
| 14946.00 | 89.690 | 329.220 | 7462.09 | 7854.18 | 4505.61 | -6685.67 | 1706696.21 | 394998.88 | 39°34'47.4178"N | 80°32'26.2036"W | 8062.18 | 303.977 | 1.26 | -0.39 | -1.20 |
| 15041.00 | 89.720 | 329.090 | 7462.58 | 7947.06 | 4587.17 | -6734.38 | 1706647.51 | 395080.44 | 39°34'48.2182"N | 80°32'26.8377"W | 8148.25 | 304.261 | 0.14 | 0.03 | -0.14 |
| 15136.00 | 88.860 | 329.940 | 7463.76 | 8039.80 | 4669.03 | -6782.57 | 1706599.32 | 395162.29 | 39°34'49.0217"N | 80°32'27.4652"W | 8234.27 | 304.543 | 1.27 | -0.91 | 0.89 |
| 15231.00 | 89.410 | 330.480 | 7465.19 | 8132.28 | 4751.47 | -6829.76 | 1706552.13 | 395244.72 | 39°34'49.8310"N | 80°32'28.0801"W | 8319.98 | 304.826 | 0.81 | 0.58 | 0.57 |
| 15326.00 | 89.690 | 328.250 | 7465.94 | 8225.07 | 4833.20 | -6878.17 | 1706503.73 | 395326.45 | 39°34'50.6332"N | 80°32'28.7104"W | 8406.49 | 305.095 | 2.37 | 0.29 | -2.35 |
| 15421.00 | 89.720 | 331.950 | 7466.43 | 8317.59 | 4915.54 | -6925.51 | 1706456.39 | 395408.78 | 39°34'51.4415"N | 80°32'29.3272"W | 8492.66 | 305.366 | 3.89 | 0.03 | 3.89 |
| 15516.00 | 90.090 | 329.220 | 7466.59 | 8409.93 | 4998.29 | -6972.17 | 1706409.74 | 395491.52 | 39°34'52.2539"N | 80°32'29.9353"W | 8578.69 | 305.636 | 2.90 | 0.39 | -2.87 |
| 15611.00 | 91.420 | 332.880 | 7465.33 | 8502.07 | 5081.39 | -7018.14 | 1706363.77 | 395574.62 | 39°34'53.0699"N | 80°32'30.5347"W | 8664.57 | 305.906 | 4.10 | 1.40 | 3.85 |
| 15706.00 | 91.630 | 328.180 | 7462.80 | 8594.39 | 5164.05 | -7064.85 | 1706317.06 | 395657.28 | 39°34'53.8814"N | 80°32'31.1434"W | 8750.97 | 306.165 | 4.95 | 0.22 | -4.95 |
| 15801.00 | 92.090 | 331.380 | 7459.72 | 8686.98 | 5246.08 | -7112.63 | 1706269.28 | 395739.31 | 39°34'54.6866"N | 80°32'31.7658"W | 8838.04 | 306.411 | 3.40 | 0.48 | 3.37 |
| 15896.00 | 90.280 | 329.710 | 7457.76 | 8779.32 | 5328.78 | -7159.33 | 1706222.58 | 395822.00 | 39°34'55.4985"N | 80°32'32.3745"W | 8924.79 | 306.661 | 2.59 | -1.91 | -1.76 |
| 15991.00 | 91.050 | 328.810 | 7456.65 | 8872.15 | 5410.43 | -7207.89 | 1706174.03 | 395903.64 | 39°34'56.2998"N | 80°32'33.0067"W | 9012.57 | 306.893 | 1.25 | 0.81 | -0.95 |
| 16086.00 | 90.030 | 329.330 | 7455.76 | 8965.05 | 5491.91 | -7256.71 | 1706125.21 | 395985.12 | 39°34'57.0995"N | 80°32'33.6423"W | 9100.60 | 307.119 | 1.21 | -1.07 | 0.55 |
| 16181.00 | 91.260 | 329.190 | 7454.69 | 9057.88 | 5573.56 | -7305.27 | 1706076.66 | 396066.76 | 39°34'57.9008"N | 80°32'34.2745"W | 9188.66 | 307.342 | 1.30 | 1.29 | -0.15 |
| 16277.00 | 92.160 | 329.240 | 7451.82 | 9151.67 | 5655.99 | -7354.38 | 1706027.55 | 396149.19 | 39°34'58.7098"N | 80°32'34.9139"W | 9277.78 | 307.563 | 0.94 | 0.94 | 0.05 |
| 16372.00 | 90.400 | 328.860 | 7449.70 | 9244.56 | 5737.44 | -7403.22 | 1705978.71 | 396230.63 | 39°34'59.5092"N | 80°32'35.5498"W | 9366.21 | 307.775 | 1.90 | -1.85 | -0.40 |
| 16467.00 | 89.320 | 327.470 | 7449.93 | 9337.77 | 5818.15 | -7453.33 | 1705928.60 | 396311.33 | 39°35'01.3010"N | 80°32'36.2017"W | 9454.32 | 307.976 | 1.85 | -1.14 | -1.46 |
| 16562.00 | 92.680 | 328.420 | 7448.28 | 9431.02 | 5898.64 | -7503.74 | 1705878.20 | 396391.82 | 39°35'01.0907"N | 80°32'36.8574"W | 9544.63 | 308.171 | 3.68 | 3.54 | 1.00 |
| 16657.00 | 90.180 | 328.500 | 7445.90 | 9524.09 | 5979.57 | -7553.41 | 1705828.53 | 396472.75 | 39°35'01.8848"N | 80°32'37.5038"W | 9633.76 | 308.367 | 2.63 | -2.63 | 0.08 |
| 16752.00 | 89.850 | 328.120 | 7445.88 | 9617.25 | 6060.41 | -7603.32 | 1705778.63 | 396553.58 | 39°35'02.6779"N | 80°32'38.1531"W | 9723.12 | 308.557 | 0.53 | -0.35 | -0.40 |
| 16846.00 | 89.410 | 327.780 | 7446.49 | 9709.55 | 6140.08 | -7653.20 | 1705728.75 | 396633.25 | 39°35'03.4595"N | 80°32'38.8020"W | 9811.83 | 308.740 | 0.59 | -0.47 | -0.36 |
| 16942.00 | 89.720 | 328.380 | 7447.22 | 9803.76 | 6221.56 | -7703.95 | 1705677.99 | 396714.72 | 39°35'04.2590"N | 80°32'39.4623"W | 9902.46 | 308.924 | 0.70 | 0.32 | 0.63 |
| 17036.00 | 89.010 | 328.100 | 7448.26 | 9895.96 | 6301.48 | -7753.43 | 1705628.52 | 396794.64 | 39°35'05.0431"N | 80°32'40.1061"W | 9991.21 | 309.102 | 0.81 | -0.76 | -0.30 |



Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Witzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

WELLPATH DATA (280 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 17131.00 | 87.260 | 328.190 | 7451.35 | 9989.12 | 6382.13 | -7803.54 | 1705578.42 | 396875.28 | 39°35'5.8343"N | 80°32'40.7580"W | 10081.01 | 309.278 | 1.84 | -1.84 | 0.09 |
| 17226.00 | 88.830 | 327.910 | 7454.59 | 10082.31 | 6462.68 | -7853.78 | 1705528.18 | 396955.83 | 39°35'6.6247"N | 80°32'41.4116"W | 10170.95 | 309.450 | 1.68 | 1.65 | -0.29 |
| 17321.00 | 89.290 | 328.680 | 7456.15 | 10175.46 | 6543.50 | -7903.70 | 1705478.26 | 3971036.64 | 39°35'7.4175"N | 80°32'42.0612"W | 10260.89 | 309.621 | 0.94 | 0.48 | 0.81 |
| 17415.00 | 89.720 | 329.480 | 7456.96 | 10267.38 | 6624.13 | -7952.00 | 1705429.97 | 397117.27 | 39°35'8.2089"N | 80°32'42.6900"W | 10349.56 | 309.795 | 0.97 | 0.46 | 0.85 |
| 17510.00 | 90.370 | 328.640 | 7456.89 | 10360.29 | 6705.61 | -8000.84 | 1705381.13 | 397198.75 | 39°35'9.0085"N | 80°32'43.3259"W | 10439.29 | 309.967 | 1.12 | 0.68 | -0.88 |
| 17605.00 | 93.790 | 327.320 | 7453.44 | 10453.48 | 6786.09 | -8051.17 | 1705330.80 | 397279.22 | 39°35'9.7981"N | 80°32'43.9806"W | 10529.60 | 310.127 | 3.86 | 3.60 | -1.39 |
| 17700.00 | 93.420 | 324.660 | 7447.46 | 10547.12 | 6864.68 | -8104.20 | 1705277.78 | 397357.80 | 39°35'10.5686"N | 80°32'44.6696"W | 10620.82 | 310.266 | 2.82 | -0.39 | -2.80 |
| 17795.00 | 90.550 | 321.610 | 7444.17 | 10641.50 | 6940.62 | -8161.14 | 1705220.83 | 397433.74 | 39°35'11.3125"N | 80°32'45.4082"W | 10713.38 | 310.379 | 4.41 | -3.02 | -3.21 |
| 17890.00 | 92.530 | 327.290 | 7441.62 | 10735.63 | 7017.85 | -8216.33 | 1705165.64 | 397510.96 | 39°35'12.0894"N | 80°32'46.1246"W | 10805.48 | 310.502 | 6.33 | 2.08 | 5.98 |
| 17985.00 | 90.590 | 325.570 | 7439.03 | 10829.31 | 7096.97 | -8268.84 | 1705113.14 | 397590.08 | 39°35'12.8453"N | 80°32'46.8069"W | 10896.82 | 310.639 | 2.73 | -2.04 | -1.81 |
| 18080.00 | 90.120 | 329.100 | 7438.44 | 10922.76 | 7176.93 | -8320.11 | 1705061.88 | 397670.03 | 39°35'13.6296"N | 80°32'47.4736"W | 10987.83 | 310.781 | 3.75 | -0.49 | 3.72 |
| 18175.00 | 90.150 | 328.860 | 7438.22 | 11015.69 | 7258.34 | -8369.06 | 1705012.93 | 397751.44 | 39°35'14.4285"N | 80°32'48.1110"W | 11078.12 | 310.935 | 0.25 | 0.03 | -0.25 |
| 18270.00 | 88.580 | 329.490 | 7439.27 | 11108.55 | 7339.91 | -8417.74 | 1704964.25 | 397833.01 | 39°35'15.2290"N | 80°32'48.7448"W | 11168.38 | 311.087 | 1.78 | -1.65 | 0.66 |
| 18365.00 | 89.010 | 331.640 | 7441.27 | 11200.89 | 7422.63 | -8464.41 | 1704917.58 | 397915.72 | 39°35'16.0411"N | 80°32'49.3532"W | 11257.96 | 311.248 | 2.31 | 0.45 | 2.26 |
| 18460.00 | 88.830 | 331.180 | 7443.06 | 11292.89 | 7506.03 | -8509.86 | 1704872.13 | 397999.11 | 39°35'16.8601"N | 80°32'49.9461"W | 11347.17 | 311.414 | 0.52 | -0.19 | -0.48 |
| 18554.00 | 89.910 | 330.570 | 7444.09 | 11384.15 | 7588.14 | -8555.61 | 1704826.39 | 398081.22 | 39°35'17.6662"N | 80°32'50.5427"W | 11435.84 | 311.570 | 1.32 | 1.15 | -0.65 |
| 18649.00 | 90.120 | 332.840 | 7444.07 | 11476.04 | 7671.78 | -8600.64 | 1704781.36 | 398164.86 | 39°35'18.4876"N | 80°32'51.1302"W | 11525.07 | 311.733 | 2.40 | 0.22 | 2.39 |
| 18744.00 | 94.070 | 329.810 | 7440.60 | 11568.00 | 7755.05 | -8646.18 | 1704735.83 | 398248.12 | 39°35'19.3053"N | 80°32'51.7242"W | 11614.52 | 311.890 | 5.24 | 4.16 | -3.19 |
| 18839.00 | 89.780 | 329.900 | 7437.41 | 11660.55 | 7837.14 | -8693.85 | 1704688.16 | 398330.20 | 39°35'20.1110"N | 80°32'52.3453"W | 11704.86 | 312.033 | 4.52 | -4.52 | 0.09 |
| 18933.00 | 90.030 | 328.930 | 7437.56 | 11752.36 | 7918.06 | -8741.68 | 1704640.34 | 398411.12 | 39°35'20.9052"N | 80°32'52.9682"W | 11794.60 | 312.170 | 1.07 | 0.27 | -1.03 |
| 19028.00 | 90.550 | 328.590 | 7437.08 | 11845.37 | 7999.28 | -8790.94 | 1704591.07 | 398492.33 | 39°35'21.7022"N | 80°32'53.6096"W | 11885.67 | 312.300 | 0.65 | 0.55 | -0.36 |
| 19123.00 | 89.510 | 329.740 | 7437.03 | 11938.24 | 8080.85 | -8839.64 | 1704542.38 | 398573.90 | 39°35'22.5027"N | 80°32'54.2437"W | 11976.61 | 312.432 | 1.63 | -1.09 | 1.21 |
| 19218.00 | 92.430 | 331.160 | 7435.42 | 12030.62 | 8163.47 | -8886.48 | 1704495.54 | 398656.51 | 39°35'23.3138"N | 80°32'54.8542"W | 12066.97 | 312.572 | 3.42 | 3.07 | 1.49 |
| 19313.00 | 90.250 | 328.420 | 7433.20 | 12123.23 | 8245.53 | -8934.26 | 1704447.76 | 398738.57 | 39°35'24.1193"N | 80°32'55.4768"W | 12157.70 | 312.704 | 3.68 | -2.29 | -2.88 |
| 19408.00 | 91.230 | 329.240 | 7431.97 | 12216.21 | 8326.81 | -8983.42 | 1704398.60 | 398819.84 | 39°35'24.9168"N | 80°32'56.1168"W | 12248.98 | 312.828 | 1.35 | 1.03 | 0.86 |
| 19503.00 | 90.310 | 329.810 | 7430.70 | 12308.95 | 8408.68 | -9031.60 | 1704350.43 | 398901.70 | 39°35'25.7203"N | 80°32'56.7444"W | 12340.00 | 312.954 | 1.14 | -0.97 | 0.60 |
| 19598.00 | 89.540 | 329.480 | 7430.82 | 12401.65 | 8490.65 | -9079.61 | 1704302.43 | 398983.68 | 39°35'26.5249"N | 80°32'57.3698"W | 12431.03 | 313.080 | 0.88 | -0.81 | -0.35 |
| 19693.00 | 89.470 | 328.020 | 7431.69 | 12494.66 | 8571.86 | -9128.89 | 1704253.15 | 399064.88 | 39°35'27.3218"N | 80°32'58.0113"W | 12522.52 | 313.198 | 1.54 | -0.14 | -1.54 |
| 19788.00 | 89.880 | 329.070 | 7432.28 | 12587.74 | 8652.90 | -9178.46 | 1704203.58 | 399145.91 | 39°35'28.1169"N | 80°32'58.6566"W | 12614.15 | 313.312 | 1.21 | 0.49 | 1.11 |
| 19883.00 | 90.340 | 330.130 | 7432.10 | 12680.46 | 8734.84 | -9226.53 | 1704155.51 | 399227.85 | 39°35'28.9211"N | 80°32'59.2828"W | 12705.36 | 313.432 | 1.22 | 0.48 | 1.12 |

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Oil Production

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Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Weizel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot:01 | | |

WELLPATH DATA (280 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 19978.00 | 91.450 | 327.700 | 7430.61 | 12773.40 | 8816.18 | -9275.57 | 1704106.47 | 399309.18 | 39°35'29.7193"N | 80°32'59.9213"W | 12796.92 | 313.545 | 2.81 | 1.17 | -2.56 |
| 20073.00 | 88.770 | 330.350 | 7430.43 | 12866.30 | 8897.61 | -9324.45 | 1704057.59 | 399390.61 | 39°35'30.5185"N | 80°33'0.5578"W | 12888.48 | 313.658 | 3.97 | -2.82 | 2.79 |
| 20168.00 | 92.090 | 330.230 | 7429.72 | 12958.75 | 8980.11 | -9371.53 | 1704010.52 | 399473.11 | 39°35'31.3283"N | 80°33'1.1714"W | 12979.52 | 313.778 | 3.50 | 3.49 | -0.13 |
| 20262.00 | 90.220 | 327.990 | 7427.82 | 13050.64 | 9060.75 | -9419.77 | 1703962.28 | 399553.74 | 39°35'32.1197"N | 80°33'1.7997"W | 13070.17 | 313.887 | 3.10 | -1.99 | -2.38 |
| 20358.00 | 92.340 | 332.140 | 7425.68 | 13144.11 | 9143.90 | -9467.65 | 1703914.40 | 399636.89 | 39°35'32.9359"N | 80°33'2.4237"W | 13162.35 | 314.003 | 4.85 | 2.21 | 4.32 |
| 20453.00 | 90.250 | 328.970 | 7423.53 | 13236.43 | 9226.59 | -9514.34 | 1703867.72 | 399719.57 | 39°35'33.7477"N | 80°33'3.0323"W | 13253.40 | 314.120 | 4.00 | -2.20 | -3.34 |
| 20547.00 | 89.660 | 328.790 | 7423.61 | 13328.42 | 9307.07 | -9562.92 | 1703819.14 | 399800.04 | 39°35'34.5373"N | 80°33'3.6649"W | 13344.32 | 314.223 | 0.66 | -0.63 | -0.19 |
| 20643.00 | 89.260 | 328.960 | 7424.51 | 13422.37 | 9389.24 | -9612.54 | 1703769.53 | 399882.21 | 39°35'35.3437"N | 80°33'4.3109"W | 13437.22 | 314.327 | 0.45 | -0.42 | 0.18 |
| 20737.00 | 89.260 | 328.510 | 7425.72 | 13514.41 | 9469.58 | -9661.32 | 1703720.75 | 399962.55 | 39°35'36.1320"N | 80°33'4.9460"W | 13528.27 | 314.426 | 0.48 | 0.00 | -0.48 |
| 20832.00 | 89.690 | 330.210 | 7426.59 | 13607.20 | 9551.31 | -9709.73 | 1703672.34 | 400044.27 | 39°35'36.9341"N | 80°33'5.5766"W | 13620.08 | 314.529 | 1.85 | 0.45 | 1.79 |
| 20927.00 | 89.880 | 327.470 | 7426.95 | 13700.18 | 9632.60 | -9758.88 | 1703623.19 | 400125.55 | 39°35'37.7318"N | 80°33'6.2166"W | 13712.14 | 314.627 | 2.89 | 0.20 | -2.88 |
| 21023.00 | 88.520 | 330.590 | 7428.29 | 13794.06 | 9714.89 | -9808.27 | 1703573.80 | 400207.84 | 39°35'38.5393"N | 80°33'6.8597"W | 13805.12 | 314.726 | 3.54 | -1.42 | 3.25 |
| 21118.00 | 92.340 | 332.180 | 7427.58 | 13886.06 | 9798.27 | -9853.76 | 1703528.32 | 400291.21 | 39°35'39.3580"N | 80°33'7.4532"W | 13896.14 | 314.838 | 4.36 | 4.02 | 1.67 |
| 21213.00 | 89.410 | 327.800 | 7426.13 | 13978.60 | 9880.49 | -9901.25 | 1703480.83 | 400373.43 | 39°35'40.1651"N | 80°33'8.0722"W | 13987.81 | 314.940 | 5.55 | -3.08 | -4.61 |
| 21308.00 | 91.450 | 327.170 | 7425.41 | 14072.01 | 9960.60 | -9952.31 | 1703429.77 | 400453.53 | 39°35'40.9508"N | 80°33'8.7363"W | 14080.55 | 315.024 | 2.25 | 2.15 | -0.66 |
| 21403.00 | 87.900 | 328.360 | 7425.95 | 14165.32 | 10040.94 | -10002.97 | 1703379.11 | 400533.87 | 39°35'41.7389"N | 80°33'9.3955"W | 14173.21 | 315.109 | 3.94 | -3.74 | 1.25 |
| 21498.00 | 90.620 | 327.330 | 7427.18 | 14258.62 | 10121.35 | -10053.52 | 1703328.57 | 400614.28 | 39°35'42.5277"N | 80°33'10.0532"W | 14265.87 | 315.193 | 3.06 | 2.86 | -1.08 |
| 21593.00 | 90.710 | 327.380 | 7426.08 | 14352.07 | 10201.34 | -10104.77 | 1703277.33 | 400694.26 | 39°35'43.3123"N | 80°33'10.7197"W | 14358.75 | 315.272 | 0.11 | 0.09 | 0.05 |
| 21689.00 | 89.820 | 328.860 | 7425.63 | 14446.27 | 10282.85 | -10155.47 | 1703226.63 | 400775.77 | 39°35'44.1120"N | 80°33'11.3796"W | 14452.36 | 315.357 | 1.80 | -0.93 | 1.54 |
| 21784.00 | 92.130 | 327.890 | 7424.02 | 14539.39 | 10363.73 | -10205.27 | 1703176.83 | 400856.64 | 39°35'44.9055"N | 80°33'12.0278"W | 14544.91 | 315.441 | 2.64 | 2.43 | -1.02 |
| 21879.00 | 90.710 | 329.120 | 7421.66 | 14632.45 | 10444.70 | -10254.88 | 1703127.22 | 400937.61 | 39°35'45.7000"N | 80°33'12.6737"W | 14637.43 | 315.525 | 1.98 | -1.49 | 1.29 |
| 21974.00 | 88.920 | 328.200 | 7421.97 | 14725.49 | 10525.84 | -10304.29 | 1703077.82 | 401018.74 | 39°35'46.4960"N | 80°33'13.3169"W | 14729.96 | 315.609 | 2.12 | -1.88 | -0.97 |
| 22070.00 | 90.920 | 330.300 | 7422.10 | 14819.31 | 10608.33 | -10353.37 | 1703028.74 | 401101.23 | 39°35'47.3056"N | 80°33'13.9562"W | 14823.26 | 315.697 | 3.02 | 2.08 | 2.19 |
| 22164.00 | 88.980 | 327.330 | 7422.19 | 14911.31 | 10688.74 | -10402.03 | 1702980.08 | 401181.63 | 39°35'48.0946"N | 80°33'14.5899"W | 14914.81 | 315.779 | 3.77 | -2.06 | -3.16 |
| 22260.00 | 91.420 | 330.890 | 7421.85 | 15005.15 | 10771.10 | -10451.31 | 1702930.81 | 401263.99 | 39°35'48.9028"N | 80°33'15.2316"W | 15008.21 | 315.863 | 4.50 | 2.54 | 3.71 |
| 22355.00 | 90.680 | 327.300 | 7420.11 | 15098.02 | 10852.58 | -10500.09 | 1702882.03 | 401345.46 | 39°35'49.7024"N | 80°33'15.8669"W | 15100.67 | 315.946 | 3.86 | -0.78 | -3.78 |
| 22450.00 | 90.920 | 327.360 | 7418.78 | 15191.48 | 10932.55 | -10551.36 | 1702830.76 | 401425.42 | 39°35'50.4867"N | 80°33'16.5339"W | 15193.81 | 316.016 | 0.26 | 0.25 | 0.06 |
| 22545.00 | 90.340 | 327.600 | 7417.74 | 15284.89 | 11012.65 | -10602.43 | 1702779.69 | 401505.52 | 39°35'51.2723"N | 80°33'17.1982"W | 15286.92 | 316.087 | 0.66 | -0.61 | 0.25 |
| 22734.00 | 89.600 | 328.410 | 7417.84 | 15470.43 | 11172.93 | -10702.57 | 1702679.56 | 401665.79 | 39°35'52.8448"N | 80°33'18.5014"W | 15471.89 | 316.232 | 0.58 | -0.39 | 0.43 |
| 22829.00 | 90.680 | 326.300 | 7417.61 | 15563.88 | 11252.92 | -10753.81 | 1702628.32 | 401745.78 | 39°35'53.6293"N | 80°33'19.1680"W | 15565.11 | 316.299 | 2.50 | 1.14 | -2.22 |

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Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

WELLPATH DATA (280 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] |
|-----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 22924.00 | 90.030 | 329.260 | 7417.02 | 15657.20 | 11333.28 | -10804.46 | 1702577.68 | 401826.13 | 39°35'54.4176"N | 80°33'19.8270"W | 15658.21 | 316.368 | 3.19 | -0.68 | 3.12 |
| 23019.00 | 88.740 | 327.680 | 7418.04 | 15750.29 | 11414.25 | -10854.13 | 1702528.01 | 401907.09 | 39°35'55.2119"N | 80°33'20.4737"W | 15751.10 | 316.441 | 2.15 | -1.36 | -1.66 |
| 23114.00 | 90.550 | 329.250 | 7418.62 | 15843.40 | 11495.21 | -10903.81 | 1702478.33 | 401988.05 | 39°35'56.0063"N | 80°33'21.1205"W | 15844.02 | 316.512 | 2.52 | 1.91 | 1.65 |
| 23209.00 | 89.260 | 330.080 | 7418.78 | 15936.09 | 11577.20 | -10951.79 | 1702430.35 | 402070.04 | 39°35'56.8110"N | 80°33'21.7457"W | 15936.54 | 316.590 | 1.61 | -1.36 | 0.87 |
| 23303.00 | 90.000 | 328.340 | 7419.39 | 16027.96 | 11657.94 | -10999.91 | 1702382.24 | 402150.78 | 39°35'57.6034"N | 80°33'22.3724"W | 16028.27 | 316.664 | 2.01 | 0.79 | -1.85 |
| 23398.00 | 90.550 | 329.530 | 7418.93 | 16120.91 | 11739.32 | -11048.92 | 1702333.23 | 402232.14 | 39°35'58.4018"N | 80°33'23.0108"W | 16121.11 | 316.735 | 1.38 | 0.58 | 1.25 |
| 23493.00 | 90.180 | 326.060 | 7418.33 | 16214.22 | 11819.69 | -11099.55 | 1702282.61 | 402312.51 | 39°35'59.1902"N | 80°33'23.6695"W | 16214.34 | 316.800 | 3.67 | -0.39 | -3.65 |
| 23588.00 | 91.320 | 329.780 | 7417.08 | 16307.48 | 11900.16 | -11149.99 | 1702232.17 | 402392.98 | 39°35'59.9796"N | 80°33'24.3260"W | 16307.54 | 316.864 | 4.10 | 1.20 | 3.92 |
| 23683.00 | 89.480 | 328.640 | 7416.42 | 16400.33 | 11981.76 | -11198.61 | 1702183.55 | 402474.57 | 39°36'0.7804"N | 80°33'24.9594"W | 16400.35 | 316.935 | 2.28 | -1.94 | -1.20 |
| 23714.00‡ | 89.480 | 328.640 | 7416.70 | 16430.70 | 12008.23 | -11214.75 | 1702167.42 | 402501.04 | 39°36'1.0401"N | 80°33'25.1694"W | 16430.71 | 316.957 | 0.00 | 0.00 | 0.00 |

HOLE & CASING SECTIONS - Ref Wellbore: BIG 464 1H AWB Ref Wellpath: BIG 464 1H AWP Proj: 23714'

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|-----------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 26in Conductor | 28.00 | 68.00 | 40.00 | 28.00 | 68.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 17.5in Open Hole | 68.00 | 1083.00 | 1015.00 | 68.00 | 1083.00 | 0.00 | 0.01 | -0.18 | 1.37 |
| 13.375in Casing Surface | 28.00 | 1053.00 | 1025.00 | 28.00 | 1053.00 | 0.00 | 0.00 | -0.07 | 1.21 |
| 12.25in Open Hole | 1083.00 | 2502.00 | 1419.00 | 1083.00 | 2484.14 | -0.18 | 1.37 | -126.01 | -158.55 |
| 9.625in Casing Intermediate | 28.00 | 2472.00 | 2444.00 | 28.00 | 2454.47 | 0.00 | 0.00 | -123.22 | -155.03 |
| 8.75in Open Hole | 2502.00 | 7867.00 | 5365.00 | 2484.14 | 6931.42 | -126.01 | -158.55 | -1098.03 | -2919.38 |
| 8.5in Open Hole | 7867.00 | 23714.00 | 15847.00 | 6931.42 | 7416.70 | -1098.03 | -2919.38 | 12008.23 | -11214.75 |
| 5.5in Casing Production | 28.00 | 23684.00 | 23656.00 | 28.00 | 7416.43 | 0.00 | 0.00 | 11982.62 | -11199.13 |

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BIG 464 1H AWP Proj: 23714'
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

TARGETS

| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|---------------------------------------|----------|------------|-----------|-------------------|--------------------|-----------------|-----------------|---------|
| BIG 464 1H BHL Rev-1 | 7361.10 | 12020.22 | -11201.52 | 1702180.64 | 402513.03 | 39°36'1.1601"N | 80°33'25.0023"W | point |
| BIG 464 1H LP Rev-1 | 7426.00 | -724.60 | -3543.20 | 1709838.50 | 389768.98 | 39°33'56.0875"N | 80°31'45.3072"W | point |
| BIG 464 HARDLINE 1 | 8000.00 | 14178.58 | -11501.67 | 1701880.50 | 404671.25 | 39°36'22.4552"N | 80°33'29.1613"W | polygon |
| 2D Polygon: dimensions not calculated | | | | | | | | |
| BIG 464 TEMP 2 | 8000.00 | 10797.65 | -9761.85 | 1703620.23 | 401290.53 | 39°35'49.2451"N | 80°33'6.4287"W | polygon |
| 2D Polygon: dimensions not calculated | | | | | | | | |
| BIG 464 TEMP 3 | 8000.00 | 11289.38 | -8564.45 | 1704817.55 | 401782.24 | 39°35'54.2429"N | 80°32'51.2068"W | polygon |
| 2D Polygon: dimensions not calculated | | | | | | | | |

WELLPATH COMPOSITION - Ref Wellbore: BIG 464 1H AWB Ref Wellpath: BIG 464 1H AWP Proj: 23714'

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | Survey Date |
|---------------|-------------|---|---|----------------|-------------|
| 28.00 | 1043.00 | Gyrodata 2015 - CT+WIR+ALC | 01 <17.5"> Gyro [Gyro Data-CT+WIR+ALC] (115'-1043') | BIG 464 1H AWB | 3/22/2022 |
| 1043.00 | 2376.00 | OWSG MWD rev2 - Standard | 02 <12.25"> SDI MWD [OWSG-Standard] (1043')(1084'-2376') | BIG 464 1H AWB | 3/22/2022 |
| 2376.00 | 7791.00 | OWSG MWD rev2 - Standard | 03 <8.75"> SDI MWD [OWSG-Standard] (2376')(2422'-7791') | BIG 464 1H AWB | 3/22/2022 |
| 7791.00 | 23714.00 | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 04 <8.5"> ATK Curve [OWSG MWD Rev.2+IFR1+MSA] (7791')(7817'-23683') | BIG 464 1H AWB | 3/23/2022 |

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Actual Wellpath Report

BIG 464 1H AWP Proj: 23714'
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|------------------------|----------|-----------------------|
| Operator | EQT PRODUCTION COMPANY | Well | BIG 464 1H (L-004034) |
| Field | Wetzel | API | 47-103-03431 |
| Facility | Big 464 Pad | Wellbore | BIG 464 1H AWB |
| Slot | Slot #01 | | |

COMMENTS

Wellpath general comments

API: 47103034310000
 Bill Job #: 111294581
 Rig: Patterson 294
 Duration: 03/31/2022 - 04/05/2022

01_ <17.5"> Gyro Data-CT+WIR+ALC] (115'-1043')
 02_ <12.25"> SDI MWD [OWSG-Standard] (1043')(1084'-2376')
 03_ <8.75"> SDI MWD [OWSG-Standard] (2376')(2422'-7791')
 04_ <8.5"> ATK Curve [OWSG MWD Rev.2+IFR1+MSA] (7791')(7817'-23683')

KOP = 1084' MD / 1084' TVD
 Tie on to SDI MWD = 7791' MD / 6870' TVD
 Marcellus
 Landing Point = 8866' MD / 7440.40' TVD
 Deepest Point of Well = 14187' MD / 7475.65' TVD
 Final Survey = 23683' MD / 7416.42' TVD
 Projection to TD = 23714' MD / 7416.70' TVD

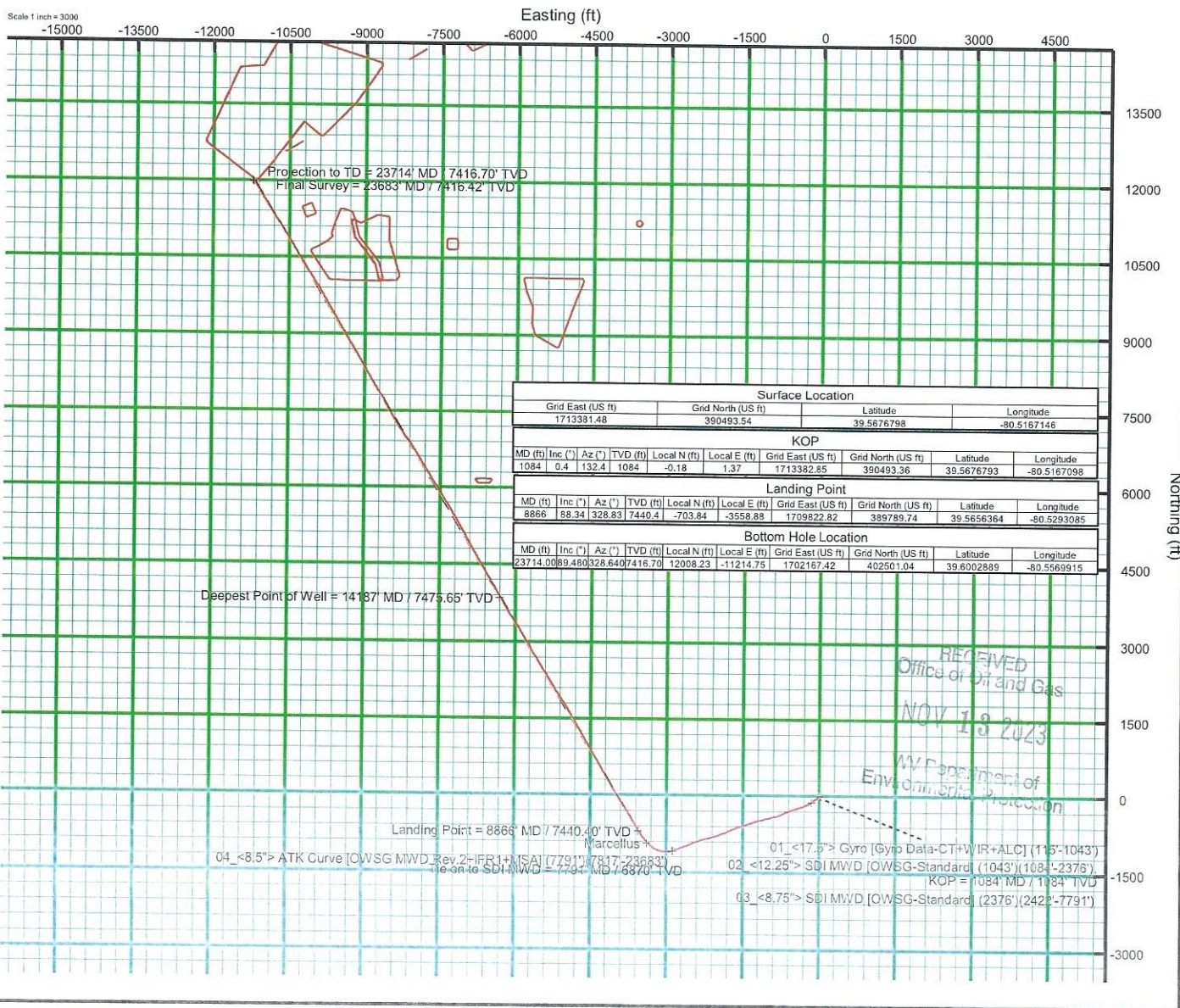
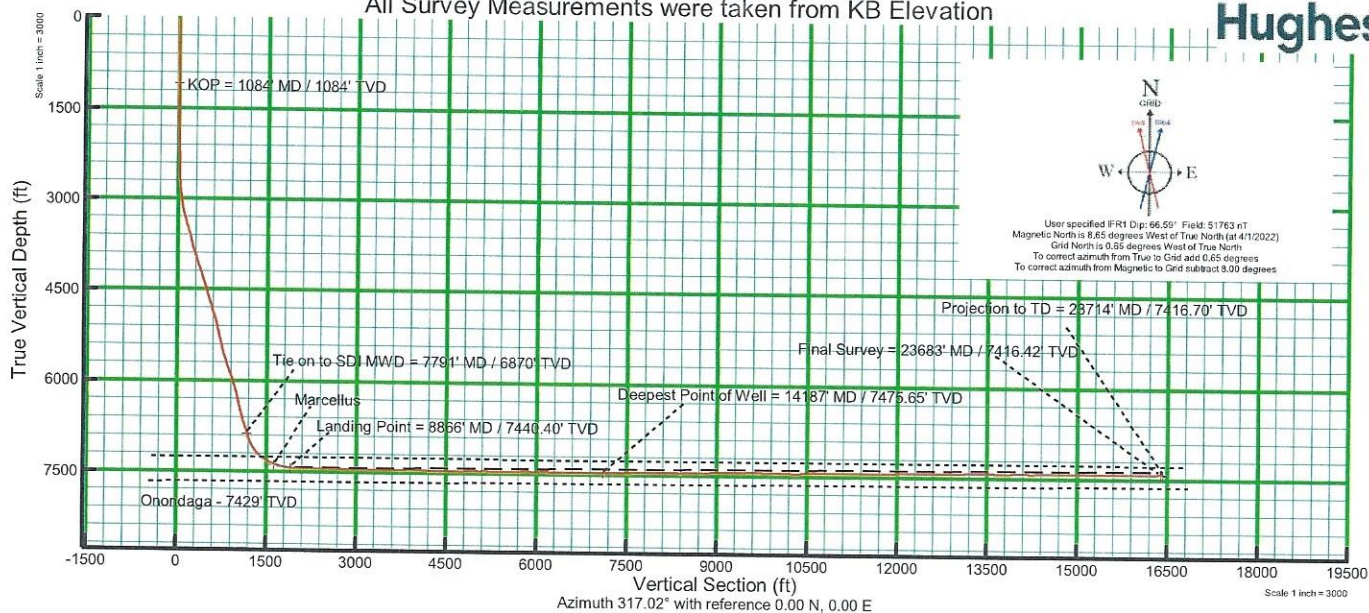
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KB Elevation=1274 FT
Ground Elevation=1246 FT

All Survey Measurements were taken from KB Elevation



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