



Where energy meets innovation.

Actual Wellpath Report

Big 333 516335 AWP Proj: 14046'

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

REPORT SETUP INFORMATION

| | | | |
|---------------------|---|----------------------|--|
| Projection System | NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet | Software System | WellArchitect® 5.1 |
| North Reference | Grid | User | Jacostec |
| Scale | 0.999942 | Report Generated | 7/17/2019 at 15:06 |
| Convergence at slot | 0.70° West | Database/Source file | WA_MPL_EASTERNUS_Defn/Big_333_516335_AWP_Proj_14046_.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|----------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | 11.72 | 28.60 | 1692010.51 | 375141.43 | 39°31'29.441"N | 80°35'30.675"W |
| Facility Reference Pt | | | 1691981.91 | 375129.71 | 39°31'29.321"N | 80°35'31.039"W |
| Field Reference Pt | | | 1688243.35 | 385255.46 | 39°33'08.944"N | 80°36'20.337"W |

WELLPATH DATUM

| | | | |
|--------------------------|-------------------|--|-------------------|
| Calculation method | Minimum curvature | Pioneer 72 (RKB) to Facility Vertical Datum | 1475.00ft |
| Horizontal Reference Pt | Slot | Pioneer 72 (RKB) to Mean Sea Level | 1475.00ft |
| Vertical Reference Pt | Pioneer 72 (RKB) | Pioneer 72 (RKB) to Mud Line at Slot (Slot 516335) | 23.00ft |
| MD Reference Pt | Pioneer 72 (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 298.93° |

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Big 333 516335 AWP Proj: 14046'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

| WELLPATH DATA (167 stations) † = interpolated/extrapolated station | | | | | | | | | | |
|--|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|------------------|-------------------------|------------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 0.00† | 0.000 | 127.820 | 0.00 | -1475.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23.00 | 0.000 | 127.820 | 23.00 | -1452.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.100 | 127.820 | 100.00 | -1375.00 | -0.07 | -0.04 | 0.05 | 0.13 | 0.13 | 166.00 |
| 200.00 | 0.090 | 195.840 | 200.00 | -1275.00 | -0.17 | -0.17 | 0.10 | 0.11 | -0.01 | 68.02 |
| 300.00 | 0.110 | 233.890 | 300.00 | -1175.00 | -0.15 | -0.30 | 0.00 | 0.07 | 0.02 | 38.05 |
| 400.00 | 0.060 | 216.180 | 400.00 | -1075.00 | -0.10 | -0.40 | -0.11 | 0.06 | -0.05 | -17.71 |
| 500.00 | 0.090 | 266.230 | 500.00 | -975.00 | -0.03 | -0.45 | -0.22 | 0.07 | 0.03 | 50.05 |
| 600.00 | 0.110 | 235.640 | 600.00 | -875.00 | 0.08 | -0.51 | -0.37 | 0.06 | 0.02 | -30.59 |
| 700.00 | 0.060 | 127.860 | 700.00 | -775.00 | 0.07 | -0.59 | -0.41 | 0.14 | -0.05 | -107.78 |
| 800.00 | 0.060 | 38.200 | 800.00 | -675.00 | 0.01 | -0.59 | -0.34 | 0.08 | 0.00 | -89.66 |
| 891.00 | 0.280 | 72.800 | 891.00 | -584.00 | -0.15 | -0.48 | -0.10 | 0.26 | 0.24 | 38.02 |
| 1023.00 | 0.240 | 162.250 | 1023.00 | -452.00 | -0.57 | -0.65 | 0.30 | 0.28 | -0.03 | 67.77 |
| 1117.00 | 1.990 | 224.310 | 1116.98 | -358.02 | -0.28 | -2.01 | -0.78 | 2.01 | 1.86 | 66.02 |
| 1212.00 | 4.180 | 233.670 | 1211.83 | -263.17 | 1.60 | -5.24 | -4.73 | 2.36 | 2.31 | 9.85 |
| 1307.00 | 5.370 | 241.030 | 1306.50 | -168.50 | 5.41 | -9.44 | -11.40 | 1.41 | 1.25 | 7.75 |
| 1402.00 | 6.080 | 248.830 | 1401.03 | -73.97 | 11.00 | -13.41 | -19.99 | 1.11 | 0.75 | 8.21 |
| 1497.00 | 6.580 | 252.610 | 1495.45 | 20.45 | 17.99 | -16.86 | -29.87 | 0.68 | 0.53 | 3.98 |
| 1592.00 | 5.760 | 248.280 | 1589.90 | 114.90 | 24.77 | -20.25 | -39.49 | 0.99 | -0.86 | -4.56 |
| 1687.00 | 4.040 | 248.350 | 1684.55 | 209.55 | 29.92 | -23.25 | -47.03 | 1.81 | -1.81 | 0.07 |
| 1782.00 | 4.470 | 239.720 | 1779.29 | 304.29 | 33.94 | -26.35 | -53.34 | 0.81 | 0.45 | -9.08 |
| 1876.00 | 4.010 | 237.950 | 1873.03 | 398.03 | 37.41 | -29.94 | -59.29 | 0.51 | -0.49 | -1.88 |
| 1908.00 | 4.100 | 233.910 | 1904.95 | 429.95 | 38.44 | -31.21 | -61.16 | 0.94 | 0.28 | -12.63 |
| 1940.00 | 3.540 | 232.880 | 1936.88 | 461.88 | 39.32 | -32.48 | -62.88 | 1.76 | -1.75 | -3.22 |
| 1969.00 | 2.850 | 225.960 | 1965.84 | 490.84 | 39.89 | -33.52 | -64.11 | 2.72 | -2.38 | -23.86 |
| 2064.00 | 1.360 | 206.010 | 2060.77 | 585.77 | 40.53 | -36.17 | -66.30 | 1.72 | -1.57 | -21.00 |
| 2159.00 | 0.720 | 185.160 | 2155.75 | 680.75 | 40.23 | -37.78 | -66.85 | 0.77 | -0.67 | -21.95 |
| 2254.00 | 0.400 | 97.140 | 2250.75 | 775.75 | 39.68 | -38.42 | -66.57 | 0.85 | -0.34 | -92.65 |
| 2349.00 | 0.760 | 48.820 | 2345.75 | 870.75 | 39.16 | -38.04 | -65.77 | 0.61 | 0.38 | -50.86 |
| 2444.00 | 1.100 | 31.350 | 2440.73 | 965.73 | 38.91 | -36.85 | -64.82 | 0.46 | 0.36 | -18.39 |
| 2539.00 | 1.480 | 28.040 | 2535.71 | 1060.71 | 38.89 | -34.99 | -63.77 | 0.41 | 0.40 | -3.48 |

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Big 333 516335 AWP Proj: 14046'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

| WELLPATH DATA (167 stations) | | | | | | | | | | |
|------------------------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|------------------|-------------------------|------------------------|
| MD (ft) | Inclination (°) | Azimuth (°) | TVD (ft) | TVDSS (ft) | Vert Sect (ft) | North (ft) | East (ft) | DLS (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 2634.00 | 1.380 | 18.640 | 2630.68 | 1155.68 | 39.11 | -32.82 | -62.83 | 0.27 | -0.11 | -9.89 |
| 2729.00 | 1.170 | 16.730 | 2725.66 | 1250.66 | 39.52 | -30.81 | -62.18 | 0.23 | -0.22 | -2.01 |
| 2824.00 | 1.400 | 27.070 | 2820.63 | 1345.63 | 39.76 | -28.85 | -61.38 | 0.34 | 0.24 | 10.88 |
| 2919.00 | 1.290 | 27.710 | 2915.61 | 1440.61 | 39.82 | -26.87 | -60.35 | 0.12 | -0.12 | 0.67 |
| 3014.00 | 1.150 | 18.670 | 3010.59 | 1535.59 | 40.02 | -25.02 | -59.55 | 0.25 | -0.15 | -9.52 |
| 3099.00 | 0.960 | 356.820 | 3095.57 | 1620.57 | 40.55 | -23.50 | -59.31 | 0.52 | -0.22 | -25.71 |
| 3130.00 | 1.030 | 13.890 | 3126.57 | 1651.57 | 40.76 | -22.97 | -59.26 | 0.98 | 0.23 | 55.06 |
| 3162.00 | 0.620 | 359.060 | 3158.56 | 1683.56 | 40.92 | -22.51 | -59.20 | 1.43 | -1.28 | -46.34 |
| 3194.00 | 1.610 | 232.420 | 3190.56 | 1715.56 | 41.18 | -22.62 | -59.55 | 6.38 | 3.09 | -395.75 |
| 3225.00 | 4.240 | 223.850 | 3221.52 | 1746.52 | 41.65 | -23.71 | -60.69 | 8.58 | 8.48 | -27.65 |
| 3257.00 | 7.110 | 222.520 | 3253.36 | 1778.36 | 42.42 | -26.02 | -62.85 | 8.98 | 8.97 | -4.16 |
| 3289.00 | 9.840 | 223.440 | 3285.00 | 1810.00 | 43.57 | -29.47 | -66.07 | 8.54 | 8.53 | 2.87 |
| 3320.00 | 12.600 | 224.660 | 3315.41 | 1840.41 | 45.15 | -33.80 | -70.27 | 8.94 | 8.90 | 3.94 |
| 3352.00 | 15.560 | 225.090 | 3346.44 | 1871.44 | 47.29 | -39.31 | -75.76 | 9.26 | 9.25 | 1.34 |
| 3384.00 | 18.280 | 225.150 | 3377.06 | 1902.06 | 49.89 | -45.88 | -82.36 | 8.50 | 8.50 | 0.19 |
| 3415.00 | 21.070 | 225.510 | 3406.24 | 1931.24 | 52.84 | -53.22 | -89.79 | 9.01 | 9.00 | 1.16 |
| 3447.00 | 23.860 | 225.230 | 3435.81 | 1960.81 | 56.30 | -61.81 | -98.49 | 8.73 | 8.72 | -0.87 |
| 3479.00 | 26.580 | 224.940 | 3464.76 | 1989.76 | 60.09 | -71.43 | -108.14 | 8.51 | 8.50 | -0.91 |
| 3510.00 | 29.220 | 225.420 | 3492.15 | 2017.15 | 64.15 | -81.66 | -118.43 | 8.55 | 8.52 | 1.55 |
| 3542.00 | 31.920 | 226.540 | 3519.70 | 2044.70 | 68.93 | -92.96 | -130.14 | 8.62 | 8.44 | 3.50 |
| 3574.00 | 34.580 | 227.530 | 3546.46 | 2071.46 | 74.39 | -104.91 | -142.98 | 8.48 | 8.31 | 3.09 |
| 3605.00 | 37.390 | 228.410 | 3571.54 | 2096.54 | 80.33 | -117.10 | -156.51 | 9.22 | 9.06 | 2.84 |
| 3637.00 | 40.030 | 229.100 | 3596.51 | 2121.51 | 87.12 | -130.29 | -171.56 | 8.36 | 8.25 | 2.16 |
| 3700.00 | 42.760 | 229.390 | 3643.77 | 2168.77 | 101.59 | -157.48 | -203.11 | 4.34 | 4.33 | 0.46 |
| 3795.00 | 44.170 | 229.420 | 3712.72 | 2237.72 | 124.44 | -200.01 | -252.73 | 1.48 | 1.48 | 0.03 |
| 3890.00 | 43.980 | 228.130 | 3780.97 | 2305.97 | 146.88 | -243.55 | -302.44 | 0.97 | -0.20 | -1.36 |
| 3985.00 | 41.570 | 227.030 | 3850.70 | 2375.70 | 167.52 | -287.06 | -350.07 | 2.66 | -2.54 | -1.16 |
| 4080.00 | 39.750 | 225.550 | 3922.76 | 2447.76 | 186.00 | -329.82 | -394.82 | 2.17 | -1.92 | -1.56 |
| 4175.00 | 37.950 | 223.420 | 3996.75 | 2521.75 | 202.00 | -372.31 | -436.58 | 2.36 | -1.89 | -2.24 |
| 4270.00 | 37.250 | 222.530 | 4072.02 | 2597.02 | 216.07 | -414.71 | -476.10 | 0.93 | -0.74 | -0.94 |

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|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

WELLPATH DATA (167 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS ["/100ft] | Build Rate ["/100ft] | Turn Rate ["/100ft] |
|---------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| 4365.00 | 37.380 | 223.770 | 4147.57 | 2672.57 | 230.22 | -456.73 | -515.48 | 0.80 | 0.14 | 1.31 |
| 4460.00 | 38.260 | 223.610 | 4222.61 | 2747.61 | 245.06 | -498.85 | -555.72 | 0.93 | 0.93 | -0.17 |
| 4555.00 | 38.550 | 225.850 | 4297.06 | 2822.06 | 261.13 | -540.77 | -597.25 | 1.50 | 0.31 | 2.36 |
| 4650.00 | 39.010 | 227.920 | 4371.12 | 2896.12 | 279.47 | -581.42 | -640.68 | 1.45 | 0.48 | 2.18 |
| 4745.00 | 39.460 | 230.700 | 4444.71 | 2969.71 | 300.40 | -620.59 | -686.24 | 1.91 | 0.47 | 2.93 |
| 4840.00 | 39.660 | 229.820 | 4517.96 | 3042.96 | 322.41 | -659.27 | -732.76 | 0.63 | 0.21 | -0.93 |
| 4935.00 | 37.150 | 227.530 | 4592.40 | 3117.40 | 342.37 | -698.20 | -777.09 | 3.04 | -2.64 | -2.41 |
| 5030.00 | 36.630 | 225.330 | 4668.38 | 3193.38 | 359.52 | -737.50 | -818.41 | 1.49 | -0.55 | -2.32 |
| 5075.00 | 35.370 | 224.130 | 4704.79 | 3229.79 | 366.73 | -756.28 | -837.02 | 3.21 | -2.80 | -2.67 |
| 5125.00 | 34.840 | 224.970 | 4745.69 | 3270.69 | 374.47 | -776.78 | -857.19 | 1.43 | -1.06 | 1.68 |
| 5157.00 | 35.500 | 227.280 | 4771.85 | 3296.85 | 379.92 | -789.55 | -870.48 | 4.64 | 2.06 | 7.22 |
| 5214.00 | 37.870 | 226.810 | 4817.56 | 3342.56 | 390.50 | -812.75 | -895.40 | 4.19 | 4.16 | -0.82 |
| 5309.00 | 39.720 | 226.260 | 4891.60 | 3416.60 | 408.50 | -853.70 | -938.59 | 1.98 | 1.95 | -0.58 |
| 5404.00 | 39.760 | 225.210 | 4964.65 | 3489.65 | 426.06 | -896.09 | -982.08 | 0.71 | 0.04 | -1.11 |
| 5499.00 | 39.740 | 224.650 | 5037.69 | 3562.69 | 442.80 | -939.09 | -1024.99 | 0.38 | -0.02 | -0.59 |
| 5594.00 | 39.850 | 224.700 | 5110.68 | 3635.68 | 459.30 | -982.33 | -1067.74 | 0.12 | 0.12 | 0.05 |
| 5689.00 | 39.700 | 226.370 | 5183.70 | 3708.70 | 476.67 | -1024.90 | -1111.11 | 1.14 | -0.16 | 1.76 |
| 5784.00 | 39.670 | 227.210 | 5256.81 | 3781.81 | 495.27 | -1066.44 | -1155.32 | 0.57 | -0.03 | 0.88 |
| 5878.00 | 39.610 | 225.620 | 5329.19 | 3854.19 | 513.29 | -1107.78 | -1198.76 | 1.08 | -0.06 | -1.69 |
| 5973.00 | 39.750 | 225.700 | 5402.31 | 3927.31 | 530.75 | -1150.17 | -1242.14 | 0.16 | 0.15 | 0.08 |
| 6068.00 | 39.470 | 227.220 | 5475.50 | 4000.50 | 548.99 | -1191.90 | -1286.04 | 1.06 | -0.29 | 1.60 |
| 6164.00 | 39.610 | 229.870 | 5549.54 | 4074.54 | 569.50 | -1232.35 | -1331.84 | 1.76 | 0.15 | 2.76 |
| 6259.00 | 39.650 | 230.740 | 5622.71 | 4147.71 | 591.59 | -1271.05 | -1378.46 | 0.59 | 0.04 | 0.92 |
| 6353.00 | 39.260 | 229.140 | 5695.29 | 4220.29 | 613.01 | -1309.49 | -1424.18 | 1.16 | -0.41 | -1.70 |
| 6449.00 | 39.820 | 228.900 | 5769.32 | 4294.32 | 634.00 | -1349.57 | -1470.32 | 0.60 | 0.58 | -0.25 |
| 6543.00 | 37.940 | 229.510 | 5842.49 | 4367.49 | 654.44 | -1388.12 | -1514.98 | 2.04 | -2.00 | 0.65 |
| 6638.00 | 40.120 | 229.640 | 5916.29 | 4441.29 | 675.53 | -1426.91 | -1560.52 | 2.30 | 2.29 | 0.14 |
| 6734.00 | 39.900 | 229.810 | 5989.81 | 4514.81 | 697.44 | -1466.81 | -1607.61 | 0.26 | -0.23 | 0.18 |
| 6828.00 | 40.110 | 227.810 | 6061.82 | 4586.82 | 717.99 | -1506.60 | -1653.07 | 1.39 | 0.22 | -2.13 |
| 6923.00 | 40.170 | 225.190 | 6134.45 | 4659.45 | 736.47 | -1548.75 | -1697.49 | 1.78 | 0.06 | -2.76 |

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Big 333 516335 AWP Proj: 14046'

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|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

| WELLPATH DATA (167 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 7018.00 | 39.910 | 223.650 | 6207.18 | 4732.18 | 752.79 | -1592.39 | -1740.26 | 1.08 | -0.27 | -1.62 |
| 7113.00 | 39.690 | 222.690 | 6280.17 | 4805.17 | 767.75 | -1636.74 | -1781.87 | 0.69 | -0.23 | -1.01 |
| 7208.00 | 37.980 | 222.990 | 6354.17 | 4879.17 | 782.07 | -1680.43 | -1822.37 | 1.81 | -1.80 | 0.32 |
| 7303.00 | 39.970 | 226.620 | 6428.03 | 4953.03 | 798.45 | -1722.77 | -1864.49 | 3.19 | 2.09 | 3.82 |
| 7398.00 | 40.150 | 226.200 | 6500.74 | 5025.74 | 816.81 | -1764.93 | -1908.77 | 0.34 | 0.19 | -0.44 |
| 7493.00 | 40.300 | 223.950 | 6573.28 | 5098.28 | 833.87 | -1808.25 | -1952.20 | 1.54 | 0.16 | -2.37 |
| 7588.00 | 40.020 | 224.040 | 6645.88 | 5170.88 | 849.79 | -1852.33 | -1994.76 | 0.30 | -0.29 | 0.09 |
| 7683.00 | 40.390 | 224.540 | 6718.44 | 5243.44 | 866.04 | -1896.22 | -2037.58 | 0.52 | 0.39 | 0.53 |
| 7778.00 | 40.350 | 226.750 | 6790.82 | 5315.82 | 883.73 | -1939.24 | -2081.57 | 1.51 | -0.04 | 2.33 |
| 7873.00 | 40.420 | 228.810 | 6863.19 | 5388.19 | 903.62 | -1980.59 | -2127.15 | 1.41 | 0.07 | 2.17 |
| 7968.00 | 40.350 | 229.570 | 6935.55 | 5460.55 | 924.93 | -2020.82 | -2173.74 | 0.52 | -0.07 | 0.80 |
| 8062.00 | 40.290 | 229.720 | 7007.22 | 5532.22 | 946.44 | -2060.20 | -2220.09 | 0.12 | -0.06 | 0.16 |
| 8157.00 | 40.490 | 229.750 | 7079.57 | 5604.57 | 968.31 | -2099.99 | -2267.06 | 0.21 | 0.21 | 0.03 |
| 8253.00 | 39.270 | 244.050 | 7153.40 | 5678.40 | 996.93 | -2133.50 | -2318.28 | 9.62 | -1.27 | 14.90 |
| 8348.00 | 38.760 | 258.660 | 7227.37 | 5752.37 | 1037.00 | -2152.54 | -2374.60 | 9.68 | -0.54 | 15.38 |
| 8442.00 | 40.100 | 270.700 | 7300.08 | 5825.08 | 1086.20 | -2157.97 | -2433.81 | 8.25 | 1.43 | 12.81 |
| 8538.00 | 45.330 | 282.070 | 7370.70 | 5895.70 | 1146.24 | -2150.43 | -2498.25 | 9.69 | 5.45 | 11.84 |
| 8585.00 | 48.840 | 287.600 | 7402.71 | 5927.71 | 1179.61 | -2141.58 | -2531.48 | 11.40 | 7.47 | 11.77 |
| 8633.00 | 51.870 | 292.070 | 7433.34 | 5958.34 | 1216.09 | -2129.02 | -2566.21 | 9.55 | 6.31 | 9.31 |
| 8728.00 | 57.840 | 300.330 | 7488.07 | 6013.07 | 1293.54 | -2094.60 | -2635.69 | 9.48 | 6.28 | 8.69 |
| 8823.00 | 62.270 | 308.210 | 7535.53 | 6060.53 | 1375.38 | -2048.21 | -2703.55 | 8.56 | 4.66 | 8.29 |
| 8918.00 | 66.720 | 316.990 | 7576.49 | 6101.49 | 1458.53 | -1990.18 | -2766.48 | 9.56 | 4.68 | 9.24 |
| 9013.00 | 72.810 | 328.680 | 7609.44 | 6134.44 | 1539.73 | -1919.22 | -2820.05 | 13.20 | 6.41 | 12.31 |
| 9108.00 | 82.870 | 334.430 | 7629.44 | 6154.44 | 1617.76 | -1837.67 | -2864.13 | 12.13 | 10.59 | 6.05 |
| 9203.00 | 90.740 | 336.250 | 7634.73 | 6159.73 | 1694.03 | -1751.53 | -2903.67 | 8.50 | 8.28 | 1.92 |
| 9298.00 | 90.340 | 335.930 | 7633.83 | 6158.83 | 1769.74 | -1664.69 | -2942.17 | 0.54 | -0.42 | -0.34 |
| 9393.00 | 90.370 | 335.900 | 7633.24 | 6158.24 | 1845.62 | -1577.96 | -2980.94 | 0.04 | 0.03 | -0.03 |
| 9488.00 | 90.490 | 335.500 | 7632.53 | 6157.53 | 1921.72 | -1491.38 | -3020.03 | 0.44 | 0.13 | -0.42 |
| 9583.00 | 90.490 | 334.860 | 7631.72 | 6156.72 | 1998.33 | -1405.16 | -3059.90 | 0.67 | 0.00 | -0.67 |
| 9678.00 | 90.520 | 335.230 | 7630.88 | 6155.88 | 2075.07 | -1319.03 | -3099.98 | 0.39 | 0.03 | 0.39 |

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Actual Wellpath Report

Big 333 516335 AWP Proj: 14046'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

| WELLPATH DATA (167 stations) | | | | | | | | | | | |
|------------------------------|--------------------|----------------|-------------|--------------|-------------------|---------------|--------------|------------------|-------------------------|------------------------|--|
| MD (ft) | Inclination [°] | Azimuth [°] | TVD (ft) | TVDS (ft) | Vert Sect (ft) | North (ft) | East (ft) | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | |
| 9773.00 | 90.520 | 335.360 | 7630.02 | 6155.02 | 2151.57 | -1232.73 | -3139.69 | 0.14 | 0.00 | 0.14 | |
| 9868.00 | 90.580 | 335.170 | 7629.11 | 6154.11 | 2228.09 | -1146.45 | -3179.44 | 0.21 | 0.06 | -0.20 | |
| 9963.00 | 90.740 | 336.010 | 7628.01 | 6153.01 | 2304.29 | -1059.95 | -3218.69 | 0.90 | 0.17 | 0.88 | |
| 10058.00 | 90.650 | 339.230 | 7626.86 | 6151.86 | 2378.43 | -972.12 | -3254.86 | 3.39 | -0.09 | 3.39 | |
| 10153.00 | 90.250 | 339.900 | 7626.11 | 6151.11 | 2450.52 | -883.11 | -3288.02 | 0.82 | -0.42 | 0.71 | |
| 10248.00 | 90.220 | 338.620 | 7625.72 | 6150.72 | 2522.94 | -794.26 | -3321.66 | 1.35 | -0.03 | -1.35 | |
| 10343.00 | 89.850 | 338.070 | 7625.67 | 6150.67 | 2596.33 | -705.97 | -3356.72 | 0.70 | -0.39 | -0.58 | |
| 10438.00 | 90.220 | 338.460 | 7625.61 | 6150.61 | 2669.81 | -617.72 | -3391.90 | 0.57 | 0.39 | 0.41 | |
| 10533.00 | 90.180 | 337.240 | 7625.28 | 6150.28 | 2743.72 | -529.74 | -3427.72 | 1.28 | -0.04 | -1.28 | |
| 10628.00 | 90.120 | 334.620 | 7625.03 | 6150.03 | 2819.59 | -443.01 | -3466.46 | 2.76 | -0.06 | -2.76 | |
| 10723.00 | 90.220 | 333.370 | 7624.75 | 6149.75 | 2897.34 | -357.63 | -3508.11 | 1.32 | 0.11 | -1.32 | |
| 10817.00 | 90.120 | 333.080 | 7624.47 | 6149.47 | 2975.00 | -273.71 | -3550.46 | 0.33 | -0.11 | -0.31 | |
| 10912.00 | 90.120 | 335.420 | 7624.27 | 6149.27 | 3052.51 | -188.14 | -3591.73 | 2.46 | 0.00 | 2.46 | |
| 11007.00 | 90.150 | 335.060 | 7624.04 | 6149.04 | 3129.06 | -101.88 | -3631.51 | 0.38 | 0.03 | -0.38 | |
| 11102.00 | 90.220 | 334.410 | 7623.74 | 6148.74 | 3206.11 | -15.97 | -3672.06 | 0.69 | 0.07 | -0.68 | |
| 11197.00 | 89.970 | 335.760 | 7623.58 | 6148.58 | 3282.81 | 70.19 | -3712.08 | 1.45 | -0.26 | 1.42 | |
| 11292.00 | 89.850 | 335.530 | 7623.73 | 6148.73 | 3358.96 | 156.74 | -3751.26 | 0.27 | -0.13 | -0.24 | |
| 11387.00 | 90.310 | 336.610 | 7623.60 | 6148.60 | 3434.69 | 243.57 | -3789.79 | 1.24 | 0.48 | 1.14 | |
| 11482.00 | 90.150 | 337.980 | 7623.22 | 6148.22 | 3509.18 | 331.20 | -3826.46 | 1.45 | -0.17 | 1.44 | |
| 11577.00 | 90.060 | 338.520 | 7623.04 | 6148.04 | 3582.67 | 419.44 | -3861.66 | 0.58 | -0.09 | 0.57 | |
| 11672.00 | 90.120 | 337.190 | 7622.89 | 6147.89 | 3656.57 | 507.43 | -3897.47 | 1.40 | 0.06 | -1.40 | |
| 11767.00 | 90.150 | 334.610 | 7622.67 | 6147.67 | 3732.47 | 594.14 | -3936.26 | 2.72 | 0.03 | -2.72 | |
| 11862.00 | 89.820 | 333.480 | 7622.69 | 6147.69 | 3810.18 | 679.56 | -3977.84 | 1.24 | -0.35 | -1.19 | |
| 11957.00 | 89.910 | 333.850 | 7622.92 | 6147.92 | 3888.25 | 764.70 | -4019.98 | 0.40 | 0.09 | 0.39 | |
| 12052.00 | 90.090 | 334.320 | 7622.92 | 6147.92 | 3965.92 | 850.14 | -4061.50 | 0.53 | 0.19 | 0.49 | |
| 12147.00 | 90.890 | 339.690 | 7622.10 | 6147.10 | 4040.67 | 937.56 | -4098.59 | 5.71 | 0.84 | 5.65 | |
| 12242.00 | 91.940 | 349.890 | 7619.75 | 6144.75 | 4106.72 | 1029.08 | -4123.48 | 10.79 | 1.11 | 10.74 | |
| 12337.00 | 91.050 | 342.160 | 7617.27 | 6142.27 | 4171.33 | 1121.17 | -4146.40 | 8.19 | -0.94 | -8.14 | |
| 12432.00 | 91.050 | 334.710 | 7615.53 | 6140.53 | 4244.56 | 1209.44 | -4181.29 | 7.84 | 0.00 | -7.84 | |
| 12527.00 | 91.050 | 330.580 | 7613.78 | 6138.78 | 4323.55 | 1293.78 | -4224.92 | 4.35 | 0.00 | -4.35 | |

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Actual Wellpath Report

Big 333 516335 AWP Proj: 14046'

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

| WELLPATH DATA (167 stations) | | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|--|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS ["/100ft] | Build Rate ["/100ft] | Turn Rate ["/100ft] | |
| 12622.00 | 90.490 | 329.970 | 7612.51 | 6137.51 | 4404.68 | 1376.27 | -4272.02 | 0.87 | -0.59 | -0.64 | |
| 12717.00 | 90.520 | 329.890 | 7611.67 | 6136.67 | 4486.11 | 1458.49 | -4319.62 | 0.09 | 0.03 | -0.08 | |
| 12812.00 | 90.460 | 332.020 | 7610.86 | 6135.86 | 4566.64 | 1541.53 | -4365.74 | 2.24 | -0.06 | 2.24 | |
| 12907.00 | 90.520 | 335.030 | 7610.05 | 6135.05 | 4644.84 | 1626.56 | -4408.08 | 3.17 | 0.06 | 3.17 | |
| 13002.00 | 90.770 | 338.760 | 7608.98 | 6133.98 | 4719.71 | 1713.91 | -4445.35 | 3.93 | 0.26 | 3.93 | |
| 13097.00 | 91.020 | 338.550 | 7607.49 | 6132.49 | 4792.77 | 1802.39 | -4479.93 | 0.34 | 0.26 | -0.22 | |
| 13192.00 | 90.740 | 339.770 | 7606.03 | 6131.03 | 4865.29 | 1891.16 | -4513.72 | 1.32 | -0.29 | 1.28 | |
| 13287.00 | 91.170 | 338.770 | 7604.45 | 6129.45 | 4937.69 | 1980.00 | -4547.34 | 1.15 | 0.45 | -1.05 | |
| 13381.00 | 91.170 | 335.200 | 7602.53 | 6127.53 | 5011.68 | 2066.48 | -4584.08 | 3.80 | 0.00 | -3.80 | |
| 13476.00 | 91.350 | 332.110 | 7600.44 | 6125.44 | 5089.73 | 2151.58 | -4626.22 | 3.26 | 0.19 | -3.25 | |
| 13571.00 | 91.050 | 331.310 | 7598.45 | 6123.45 | 5169.58 | 2235.22 | -4671.24 | 0.90 | -0.32 | -0.84 | |
| 13635.00 | 91.260 | 332.480 | 7597.16 | 6122.16 | 5223.27 | 2291.66 | -4701.38 | 1.86 | 0.33 | 1.83 | |
| 13762.00 | 91.140 | 339.990 | 7594.50 | 6119.50 | 5324.19 | 2407.78 | -4752.51 | 5.91 | -0.09 | 5.91 | |
| 13856.00 | 90.740 | 342.000 | 7592.95 | 6117.95 | 5393.96 | 2496.64 | -4783.12 | 2.18 | -0.43 | 2.14 | |
| 13951.00 | 90.950 | 341.930 | 7591.55 | 6116.55 | 5463.39 | 2586.96 | -4812.52 | 0.23 | 0.22 | -0.07 | |
| 14021.00 | 91.080 | 341.730 | 7590.31 | 6115.31 | 5514.66 | 2653.46 | -4834.35 | 0.34 | 0.19 | -0.29 | |
| 14046.00 | 91.080 | 341.730 | 7589.84 | 6114.84 | 5533.00 | 2677.20 | -4842.19 | 0.00 | 0.00 | 0.00 | |

| HOLE & CASING SECTIONS - Ref Wellbore: Big 333 516335 AWB Ref Wellpath: Big 333 516335 AWP Proj: 14046' | | | | | | | | | | |
|---|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|--|
| 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] | |
| 17.5in Open Hole | 23.00 | 991.00 | 968.00 | 23.00 | 991.00 | 0.00 | 0.00 | -0.54 | 0.24 | |
| 13.375in Casing Surface | 23.00 | 991.00 | 968.00 | 23.00 | 991.00 | 0.00 | 0.00 | -0.54 | 0.24 | |
| 12.25in Open Hole | 991.00 | 3053.00 | 2062.00 | 991.00 | 3049.58 | -0.54 | 0.24 | -24.29 | -59.36 | |
| 9.625in Casing Intermediate | 23.00 | 3053.00 | 3030.00 | 23.00 | 3049.58 | 0.00 | 0.00 | -24.29 | -59.36 | |
| 8.75in Open Hole | 3053.00 | 5231.00 | 2178.00 | 3049.58 | 4830.95 | -24.29 | -59.36 | -819.93 | -903.03 | |

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|--------------------|
| Operator | EQT | Slot | Slot 516335 |
| Area | Wetzel County, WV | Well | Big 333 516335 |
| Field | Wetzel | Wellbore | Big 333 516335 AWB |
| Facility | Big 333 Pad | | |

| TARGETS | | | | | | | | |
|--------------------------|----------|------------|-----------|-------------------|--------------------|----------------|----------------|---------|
| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
| Big 333 516335 BHL Rev-1 | 7612.60 | 2676.58 | -4842.98 | 1687167.82 | 377817.85 | 39°31'55.306"N | 80°36'32.895"W | point |
| Big 333 516335 LP Rev-1 | 7638.00 | -1766.63 | -2892.83 | 1689117.86 | 373374.90 | 39°31'11.633"N | 80°36'07.312"W | point |
| Big 333 HL1 Rev-1 | 7700.00 | 27.53 | -5.18 | 1692005.33 | 375168.96 | 39°31'29.712"N | 80°35'30.746"W | polygon |
| Big 333 HL2 Rev-2 | 7700.00 | 27.53 | -5.18 | 1692005.33 | 375168.96 | 39°31'29.712"N | 80°35'30.746"W | polygon |

| WELLPATH COMPOSITION - Ref Wellbore: Big 333 516335 AWB | | | | | Ref Wellpath: Big 333 516335 AWP Proj: 14046' | |
|---|-------------|---|---|--|---|--|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | | Wellbore | |
| 23.00 | 891.00 | Gyrodata standard - Continuous gyro | 01_Gyrodata Cont Gyro <17-1/2">(100'-891') | | Big 333 516335 AWB | |
| 891.00 | 5157.00 | OWSG MWD rev2 - Standard | 02_SDI MWD <8-3/4">(891')(1023'-5157') | | Big 333 516335 AWB | |
| 5157.00 | 14021.00 | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 03_BH AT Curve+MagVar MSA <8-1/2">(5157')(5214'-14021') | | Big 333 516335 AWB | |
| 14021.00 | 14046.00 | Blind Drilling (std) | Projection to bit | | Big 333 516335 AWB | |

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