



EXPAND ENERGY



Location: Marshall County, WV
 Field: Marshall WV
 Facility: Michael Southworth MSH Pad

Slot: 410H
 Well: Michael Southworth MSH 410H
 Wellbore: Michael Southworth MSH 410H AWB

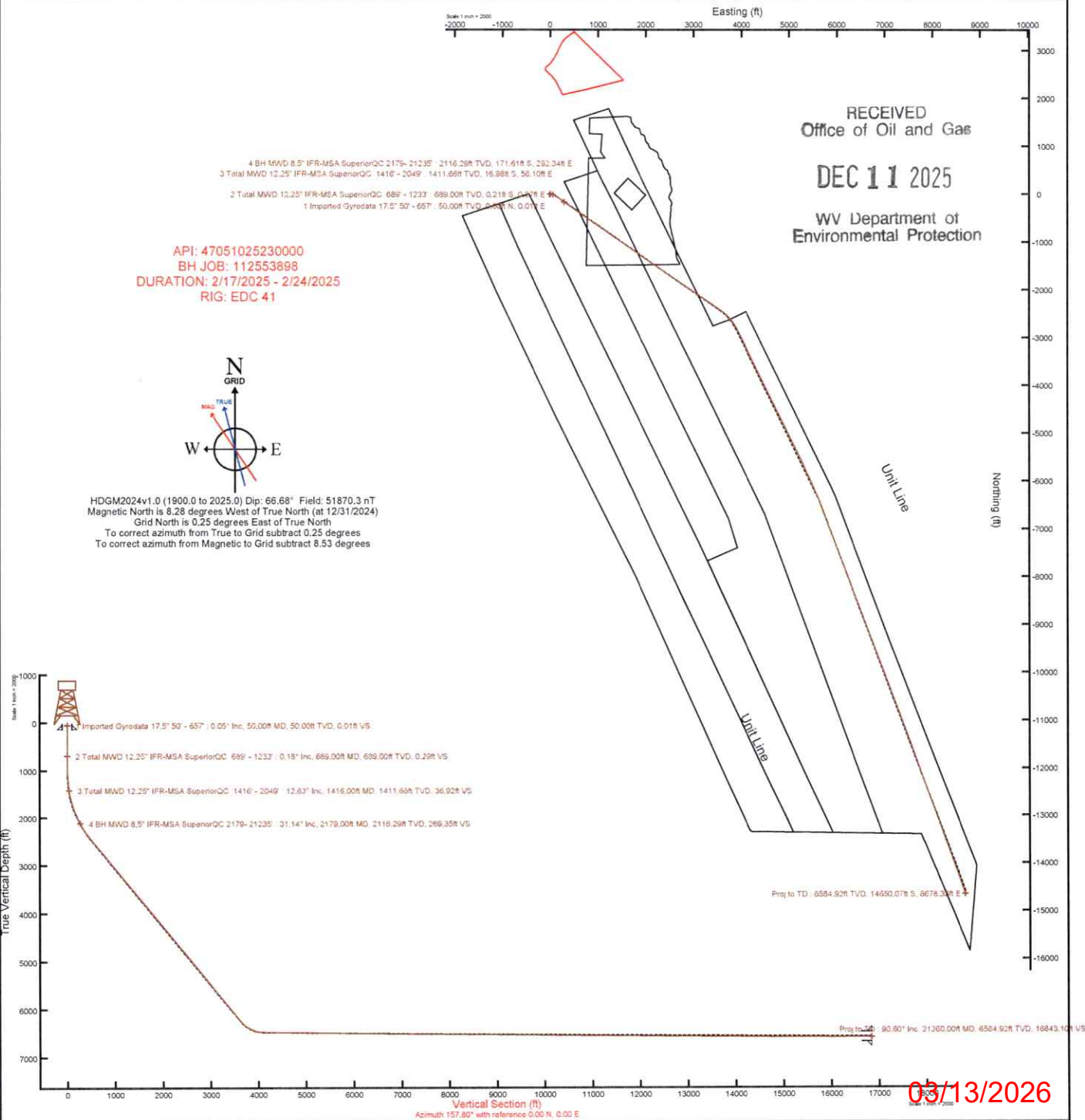
| | |
|---|--|
| Plot reference wellpath is Michael Southworth MSH 410H awp Proj: 21260' | Grid System: NAD83 / UTM Zone 17 North, US feet |
| True vertical depths are referenced to EDC 41 (KB) | * = Wellpath was transformed from a different geodetic datum |
| Reference wellpath measured depths are referenced to EDC 41 (KB) | North Reference: Grid north |
| EDC 41 (KB) to Mean Sea Level: 1297.4 feet | Scale: True distance |
| Mean Sea Level to Ground level (At Slot: 410H): -1271.4 feet | Coordinates are in feet referenced to Slot |
| Offset wellpath MDs are referenced to each path's default MD datum | Depths are in feet |
| | Created by: tranlam on 2025-02-25; Database: WA_MPL_EASTERNUS_Defn |

Location Information

| Facility Name | | | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
|--|--------------|--------------|-------------------|--------------------|-----------------|-----------------|
| Michael Southworth MSH Pad | | | 1748280.060 | 14531637.500 | 40°00'46.1777"N | 80°36'53.1795"W |
| Slot | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
| 410H | -12.35 | -3.77 | 1748276.290 | 14531625.150 | 40°00'46.0557"N | 80°36'53.2287"W |
| EDC 41 (KB) to Ground level (At Slot: 410H) | | | | | 26ft | |
| Mean Sea Level to Ground level (At Slot: 410H) | | | | | -1271.4ft | |
| EDC 41 (KB) to Mean Sea Level | | | | | 1297.4ft | |

Bottom Hole Location

| MD (ft) | Inc (°) | Az (°) | TVD (ft) | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
|----------|---------|---------|----------|--------------|--------------|-------------------|--------------------|-----------------|----------------|
| 21260.00 | 90.600 | 160.670 | 6584.92 | -14650.07 | 8678.33 | 1756951.25 | 14516980.77 | 39°58'20.8951"N | 80°35'2.5743"W |





Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 1 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

| REPORT SETUP INFORMATION | | | |
|--------------------------|------------------------------------|------------------|--------------------------|
| Projection System | NAD83 / UTM Zone 17 North, US feet | Software System | WellArchitect® 6.0 |
| North Reference | Grid | User | Tranlam |
| Scale | 0.999613 | Report Generated | 2/25/2025 at 12:55:26 PM |
| Convergence at slot | 0.25° East | 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 | -12.35 | -3.77 | 1748276.29 | 14531625.15 | 40°00'46.0557"N | 80°36'53.2287"W |
| Facility Reference Pt | | | 1748280.06 | 14531637.50 | 40°00'46.1777"N | 80°36'53.1795"W |
| Field Reference Pt | | | 0.00 | 0.00 | 0°00'0.0000" | 85°29'19.4780"W |

| WELLPATH DATUM | | | |
|--------------------------|-------------------|--|-------------------|
| Calculation method | Minimum curvature | EDC 41 (KB) to Facility Vertical Datum | 1297.40ft |
| Horizontal Reference Pt | Slot | EDC 41 (KB) to Mean Sea Level | 1297.40ft |
| Vertical Reference Pt | EDC 41 (KB) | EDC 41 (KB) to Ground Level at Slot (410H) | 26.00ft |
| MD Reference Pt | EDC 41 (KB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 157.80° |

RECEIVED
 Office of Oil and Gas
 DEC 11 2025
 WV Department of
 Environmental Protection



RECEIVED
Office of Oil and Gas

DEC 11 2025

WV Department of
Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'

Page 2 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

WELLPATH DATA (225 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] |
|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 0.00† | 0.000 | 109.300 | 0.00 | 0.00 | 0.00 | 0.00 | 1748276.29 | 14531625.15 | 40°00'46.0557"N | 80°36'53.2287"W | 0.00 | 0.000 | 0.00 |
| 26.00 | 0.000 | 109.300 | 26.00 | 0.00 | 0.00 | 0.00 | 1748276.29 | 14531625.15 | 40°00'46.0557"N | 80°36'53.2287"W | 0.00 | 0.000 | 0.00 |
| 100.00 | 0.150 | 109.300 | 100.00 | 0.06 | -0.03 | 0.09 | 1748276.38 | 14531625.12 | 40°00'46.0554"N | 80°36'53.2275"W | 0.10 | 109.300 | 0.20 |
| 200.00 | 0.070 | 107.560 | 200.00 | 0.19 | -0.09 | 0.27 | 1748276.56 | 14531625.06 | 40°00'46.0548"N | 80°36'53.2252"W | 0.29 | 108.932 | 0.08 |
| 300.00 | 0.070 | 84.300 | 300.00 | 0.25 | -0.11 | 0.39 | 1748276.68 | 14531625.04 | 40°00'46.0547"N | 80°36'53.2237"W | 0.41 | 105.133 | 0.03 |
| 400.00 | 0.050 | 98.730 | 400.00 | 0.29 | -0.11 | 0.50 | 1748276.79 | 14531625.04 | 40°00'46.0546"N | 80°36'53.2223"W | 0.51 | 102.129 | 0.02 |
| 500.00 | 0.060 | 288.570 | 500.00 | 0.27 | -0.10 | 0.49 | 1748276.78 | 14531625.05 | 40°00'46.0547"N | 80°36'53.2224"W | 0.50 | 101.158 | 0.11 |
| 600.00 | 0.110 | 289.600 | 600.00 | 0.18 | -0.05 | 0.35 | 1748276.64 | 14531625.10 | 40°00'46.0552"N | 80°36'53.2242"W | 0.35 | 97.770 | 0.05 |
| 657.00 | 0.170 | 180.980 | 657.00 | 0.22 | -0.11 | 0.30 | 1748276.59 | 14531625.04 | 40°00'46.0546"N | 80°36'53.2249"W | 0.32 | 111.008 | 0.40 |
| 689.00 | 0.180 | 207.620 | 689.00 | 0.29 | -0.21 | 0.27 | 1748276.56 | 14531624.94 | 40°00'46.0537"N | 80°36'53.2252"W | 0.34 | 127.078 | 0.25 |
| 770.00 | 0.110 | 268.070 | 770.00 | 0.35 | -0.32 | 0.14 | 1748276.43 | 14531624.83 | 40°00'46.0525"N | 80°36'53.2270"W | 0.35 | 157.090 | 0.20 |
| 870.00 | 0.350 | 189.510 | 870.00 | 0.58 | -0.63 | -0.01 | 1748276.28 | 14531624.52 | 40°00'46.0495"N | 80°36'53.2289"W | 0.63 | 180.974 | 0.35 |
| 960.00 | 1.510 | 125.380 | 959.99 | 1.81 | -1.58 | 0.91 | 1748277.20 | 14531623.57 | 40°00'46.0400"N | 80°36'53.2171"W | 1.83 | 150.092 | 1.55 |
| 1051.00 | 4.070 | 115.040 | 1050.87 | 5.19 | -3.64 | 4.81 | 1748281.10 | 14531621.51 | 40°00'46.0195"N | 80°36'53.1670"W | 6.04 | 127.125 | 2.86 |
| 1141.00 | 6.370 | 103.480 | 1140.49 | 10.45 | -6.16 | 12.57 | 1748288.85 | 14531618.99 | 40°00'45.9943"N | 80°36'53.0676"W | 13.99 | 116.120 | 2.80 |
| 1233.00 | 8.280 | 100.680 | 1231.74 | 17.03 | -8.58 | 24.04 | 1748300.32 | 14531616.57 | 40°00'45.9699"N | 80°36'52.9202"W | 25.52 | 109.639 | 2.11 |
| 1416.00 | 12.630 | 107.320 | 1411.66 | 36.92 | -16.98 | 56.10 | 1748332.37 | 14531608.18 | 40°00'45.8855"N | 80°36'52.5086"W | 58.62 | 106.840 | 2.46 |
| 1507.00 | 14.250 | 111.470 | 1500.17 | 50.99 | -24.04 | 76.03 | 1748352.29 | 14531601.12 | 40°00'45.8149"N | 80°36'52.2530"W | 79.74 | 107.549 | 2.07 |
| 1596.00 | 16.500 | 120.670 | 1585.99 | 68.63 | -34.50 | 97.10 | 1748373.35 | 14531590.66 | 40°00'45.7106"N | 80°36'51.9827"W | 103.04 | 109.562 | 3.72 |
| 1687.00 | 19.750 | 122.410 | 1672.47 | 91.47 | -49.34 | 121.20 | 1748397.44 | 14531575.83 | 40°00'45.5630"N | 80°36'51.6738"W | 130.86 | 112.151 | 3.62 |
| 1778.00 | 21.970 | 123.710 | 1757.50 | 118.11 | -67.03 | 148.34 | 1748424.57 | 14531558.15 | 40°00'45.3870"N | 80°36'51.3259"W | 162.78 | 114.316 | 2.49 |
| 1868.00 | 23.390 | 126.910 | 1840.54 | 147.39 | -87.10 | 176.63 | 1748452.86 | 14531538.08 | 40°00'45.1874"N | 80°36'50.9635"W | 196.94 | 116.249 | 2.09 |
| 1959.00 | 25.950 | 127.380 | 1923.23 | 180.06 | -110.04 | 206.90 | 1748483.11 | 14531515.15 | 40°00'44.9594"N | 80°36'50.5757"W | 234.35 | 118.006 | 2.82 |
| 2049.00 | 28.210 | 125.490 | 2003.36 | 215.02 | -134.35 | 239.87 | 1748516.07 | 14531490.85 | 40°00'44.7178"N | 80°36'50.1533"W | 274.94 | 119.252 | 2.69 |
| 2179.00 | 31.140 | 125.280 | 2116.29 | 269.35 | -171.61 | 292.34 | 1748568.52 | 14531453.61 | 40°00'44.3473"N | 80°36'49.4811"W | 338.99 | 120.414 | 2.26 |
| 2270.00 | 34.310 | 125.160 | 2192.84 | 310.80 | -199.98 | 332.53 | 1748608.69 | 14531425.25 | 40°00'44.0653"N | 80°36'48.9662"W | 388.03 | 121.022 | 3.48 |
| 2361.00 | 37.350 | 125.210 | 2266.61 | 355.66 | -230.67 | 376.06 | 1748652.21 | 14531394.57 | 40°00'43.7601"N | 80°36'48.4084"W | 441.17 | 121.524 | 3.34 |
| 2451.00 | 40.400 | 125.040 | 2336.67 | 403.20 | -263.16 | 422.26 | 1748698.38 | 14531362.09 | 40°00'43.4370"N | 80°36'47.8166"W | 497.55 | 121.932 | 3.39 |
| 2542.00 | 43.100 | 124.970 | 2404.55 | 454.13 | -297.92 | 471.89 | 1748747.99 | 14531327.35 | 40°00'43.0914"N | 80°36'47.1807"W | 558.06 | 122.266 | 2.97 |
| 2632.00 | 44.750 | 124.720 | 2469.37 | 506.52 | -333.59 | 523.13 | 1748799.21 | 14531291.69 | 40°00'42.7367"N | 80°36'46.5241"W | 620.44 | 122.525 | 1.84 |



RECEIVED
Office of Oil and Gas
DEC 11 2025
WV Department of
Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

WELLPATH DATA (225 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] |
|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 2724.00 | 44.760 | 124.940 | 2534.71 | 560.86 | -370.58 | 576.30 | 1748852.36 | 14531254.71 | 40°00'42.3688"N | 80°36'45.8429"W | 685.16 | 122.743 | 0.17 |
| 2815.00 | 44.880 | 124.840 | 2599.25 | 614.71 | -407.27 | 628.91 | 1748904.96 | 14531218.03 | 40°00'42.0040"N | 80°36'45.1687"W | 749.27 | 122.927 | 0.15 |
| 2905.00 | 44.850 | 124.840 | 2663.04 | 667.98 | -443.55 | 681.02 | 1748957.05 | 14531181.78 | 40°00'41.6433"N | 80°36'44.5011"W | 812.72 | 123.076 | 0.03 |
| 2996.00 | 44.770 | 124.850 | 2727.60 | 721.80 | -480.19 | 733.65 | 1749009.66 | 14531145.15 | 40°00'41.2790"N | 80°36'43.8267"W | 876.83 | 123.205 | 0.09 |
| 3086.00 | 44.760 | 124.560 | 2791.50 | 774.89 | -516.27 | 785.76 | 1749061.74 | 14531109.08 | 40°00'40.9201"N | 80°36'43.1591"W | 940.19 | 123.306 | 0.23 |
| 3177.00 | 44.810 | 124.840 | 2856.09 | 828.59 | -552.77 | 838.46 | 1749114.42 | 14531072.60 | 40°00'40.5572"N | 80°36'42.4838"W | 1004.27 | 123.395 | 0.22 |
| 3267.00 | 44.790 | 124.740 | 2919.95 | 881.77 | -588.95 | 890.54 | 1749166.49 | 14531036.43 | 40°00'40.1974"N | 80°36'41.8165"W | 1067.67 | 123.478 | 0.08 |
| 3358.00 | 44.750 | 124.720 | 2984.56 | 935.48 | -625.46 | 943.21 | 1749219.14 | 14530999.93 | 40°00'39.8343"N | 80°36'41.1417"W | 1131.75 | 123.549 | 0.05 |
| 3448.00 | 44.730 | 124.620 | 3048.48 | 988.53 | -661.50 | 995.31 | 1749271.22 | 14530963.91 | 40°00'39.4759"N | 80°36'40.4741"W | 1195.09 | 123.609 | 0.08 |
| 3539.00 | 44.750 | 124.800 | 3113.12 | 1042.20 | -697.97 | 1047.97 | 1749323.85 | 14530927.45 | 40°00'39.1132"N | 80°36'39.7994"W | 1259.13 | 123.665 | 0.14 |
| 3630.00 | 44.760 | 124.790 | 3177.74 | 1095.93 | -734.53 | 1100.58 | 1749376.45 | 14530890.90 | 40°00'38.7497"N | 80°36'39.1253"W | 1323.19 | 123.719 | 0.01 |
| 3720.00 | 44.810 | 124.780 | 3241.62 | 1149.09 | -770.70 | 1152.65 | 1749428.50 | 14530854.75 | 40°00'38.3900"N | 80°36'38.4582"W | 1386.58 | 123.768 | 0.06 |
| 3811.00 | 44.770 | 124.780 | 3306.20 | 1202.85 | -807.27 | 1205.31 | 1749481.13 | 14530818.19 | 40°00'38.0263"N | 80°36'37.7835"W | 1450.68 | 123.813 | 0.04 |
| 3902.00 | 44.800 | 124.870 | 3370.79 | 1256.62 | -843.88 | 1257.93 | 1749533.74 | 14530781.60 | 40°00'37.6623"N | 80°36'37.1093"W | 1514.77 | 123.856 | 0.08 |
| 3993.00 | 44.710 | 124.820 | 3435.41 | 1310.39 | -880.49 | 1310.52 | 1749586.30 | 14530745.00 | 40°00'37.2982"N | 80°36'36.4355"W | 1578.83 | 123.896 | 0.11 |
| 4084.00 | 44.840 | 124.950 | 3500.01 | 1364.19 | -917.15 | 1363.09 | 1749638.85 | 14530708.36 | 40°00'36.9337"N | 80°36'35.7619"W | 1642.92 | 123.934 | 0.17 |
| 4174.00 | 44.840 | 124.760 | 3563.83 | 1417.45 | -953.42 | 1415.17 | 1749690.91 | 14530672.11 | 40°00'36.5730"N | 80°36'35.0947"W | 1706.37 | 123.969 | 0.15 |
| 4265.00 | 44.760 | 124.800 | 3628.40 | 1471.21 | -989.99 | 1467.84 | 1749743.56 | 14530635.54 | 40°00'36.2093"N | 80°36'34.4199"W | 1770.49 | 123.998 | 0.09 |
| 4355.00 | 44.790 | 124.820 | 3692.29 | 1524.38 | -1026.18 | 1519.88 | 1749795.58 | 14530599.37 | 40°00'35.8494"N | 80°36'33.7531"W | 1833.87 | 124.026 | 0.04 |
| 4447.00 | 44.750 | 124.880 | 3757.60 | 1578.75 | -1063.20 | 1573.05 | 1749848.73 | 14530562.36 | 40°00'35.4813"N | 80°36'33.0719"W | 1898.66 | 124.054 | 0.06 |
| 4537.00 | 44.760 | 124.860 | 3821.52 | 1631.94 | -1099.43 | 1625.04 | 1749900.70 | 14530526.15 | 40°00'35.1210"N | 80°36'32.4058"W | 1962.02 | 124.080 | 0.02 |
| 4628.00 | 44.760 | 124.760 | 3886.13 | 1685.68 | -1136.01 | 1677.65 | 1749953.29 | 14530489.58 | 40°00'34.7572"N | 80°36'31.7317"W | 2026.09 | 124.104 | 0.08 |
| 4719.00 | 44.790 | 124.730 | 3950.73 | 1739.40 | -1172.54 | 1730.32 | 1750005.94 | 14530453.07 | 40°00'34.3940"N | 80°36'31.0570"W | 2090.18 | 124.123 | 0.04 |
| 4810.00 | 44.710 | 124.810 | 4015.36 | 1793.11 | -1209.07 | 1782.95 | 1750058.54 | 14530416.55 | 40°00'34.0306"N | 80°36'30.3827"W | 2154.24 | 124.142 | 0.11 |
| 4901.00 | 44.740 | 124.900 | 4080.01 | 1846.85 | -1245.67 | 1835.49 | 1750111.07 | 14530379.96 | 40°00'33.6667"N | 80°36'29.7095"W | 2218.27 | 124.163 | 0.08 |
| 4991.00 | 44.810 | 124.650 | 4143.90 | 1900.00 | -1281.82 | 1887.56 | 1750163.12 | 14530343.82 | 40°00'33.3071"N | 80°36'29.0424"W | 2281.66 | 124.180 | 0.21 |
| 5082.00 | 44.770 | 124.590 | 4208.48 | 1953.66 | -1318.25 | 1940.32 | 1750215.86 | 14530307.41 | 40°00'32.9449"N | 80°36'28.3664"W | 2345.77 | 124.192 | 0.06 |
| 5173.00 | 44.700 | 124.530 | 4273.13 | 2007.23 | -1354.58 | 1993.07 | 1750268.58 | 14530271.10 | 40°00'32.5836"N | 80°36'27.6906"W | 2409.81 | 124.202 | 0.09 |
| 5264.00 | 44.720 | 124.530 | 4337.80 | 2060.75 | -1390.87 | 2045.81 | 1750321.30 | 14530234.82 | 40°00'32.2226"N | 80°36'27.0149"W | 2473.83 | 124.210 | 0.02 |
| 5355.00 | 44.700 | 124.540 | 4402.47 | 2114.28 | -1427.16 | 2098.55 | 1750374.02 | 14530198.54 | 40°00'31.8617"N | 80°36'26.3392"W | 2537.85 | 124.219 | 0.02 |



RECEIVED
Office of Oil and Gas
DEC 11 2025
WV Department of
Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

WELLPATH DATA (225 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] |
|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 5446.00 | 44.680 | 124.270 | 4467.16 | 2167.72 | -1463.32 | 2151.35 | 1750426.80 | 14530162.39 | 40°00'31.5020"N | 80°36'25.6627"W | 2601.85 | 124.223 | 0.21 |
| 5537.00 | 44.790 | 124.020 | 4531.81 | 2221.03 | -1499.27 | 2204.36 | 1750479.79 | 14530126.46 | 40°00'31.1445"N | 80°36'24.9835"W | 2665.90 | 124.221 | 0.23 |
| 5628.00 | 44.760 | 124.360 | 4596.41 | 2274.41 | -1535.29 | 2257.37 | 1750532.79 | 14530090.46 | 40°00'30.7862"N | 80°36'24.3042"W | 2729.99 | 124.220 | 0.27 |
| 5718.00 | 44.760 | 124.600 | 4660.31 | 2327.36 | -1571.17 | 2309.61 | 1750585.01 | 14530054.59 | 40°00'30.4294"N | 80°36'23.6349"W | 2793.36 | 124.226 | 0.19 |
| 5809.00 | 44.720 | 124.570 | 4724.95 | 2380.95 | -1607.53 | 2362.35 | 1750637.72 | 14530018.25 | 40°00'30.0678"N | 80°36'22.9593"W | 2857.42 | 124.234 | 0.05 |
| 5899.00 | 44.720 | 124.220 | 4788.90 | 2433.82 | -1643.30 | 2414.60 | 1750689.96 | 14529982.49 | 40°00'29.7120"N | 80°36'22.2898"W | 2920.74 | 124.238 | 0.27 |
| 5989.00 | 44.700 | 123.600 | 4852.86 | 2486.38 | -1678.62 | 2467.15 | 1750742.48 | 14529947.18 | 40°00'29.3606"N | 80°36'21.6165"W | 2984.06 | 124.231 | 0.49 |
| 6080.00 | 44.790 | 124.340 | 4917.49 | 2539.59 | -1714.42 | 2520.28 | 1750795.59 | 14529911.40 | 40°00'29.0046"N | 80°36'20.9358"W | 3048.12 | 124.225 | 0.58 |
| 6179.00 | 44.790 | 123.980 | 4987.75 | 2597.66 | -1753.58 | 2577.99 | 1750853.28 | 14529872.25 | 40°00'28.6151"N | 80°36'20.1964"W | 3117.86 | 124.224 | 0.26 |
| 6275.00 | 44.510 | 124.800 | 5056.05 | 2653.97 | -1791.68 | 2633.66 | 1750908.93 | 14529834.16 | 40°00'28.2361"N | 80°36'19.4831"W | 3185.33 | 124.227 | 0.67 |
| 6371.00 | 44.600 | 124.710 | 5124.46 | 2710.43 | -1830.08 | 2689.00 | 1750964.24 | 14529795.78 | 40°00'27.8542"N | 80°36'18.7741"W | 3252.68 | 124.238 | 0.11 |
| 6466.00 | 44.530 | 124.510 | 5192.14 | 2766.22 | -1867.94 | 2743.87 | 1751019.09 | 14529757.93 | 40°00'27.4776"N | 80°36'18.0712"W | 3319.34 | 124.246 | 0.17 |
| 6562.00 | 44.490 | 124.810 | 5260.60 | 2822.57 | -1906.22 | 2799.22 | 1751074.42 | 14529719.67 | 40°00'27.0970"N | 80°36'17.3620"W | 3386.64 | 124.254 | 0.22 |
| 6658.00 | 44.500 | 124.310 | 5329.08 | 2878.84 | -1944.38 | 2854.63 | 1751129.81 | 14529681.52 | 40°00'26.7174"N | 80°36'16.6521"W | 3453.92 | 124.260 | 0.37 |
| 6753.00 | 44.490 | 124.200 | 5396.84 | 2934.33 | -1981.86 | 2909.66 | 1751184.82 | 14529644.06 | 40°00'26.3446"N | 80°36'15.9471"W | 3520.50 | 124.260 | 0.08 |
| 6849.00 | 44.490 | 124.420 | 5465.33 | 2990.44 | -2019.78 | 2965.23 | 1751240.37 | 14529606.15 | 40°00'25.9674"N | 80°36'15.2351"W | 3587.77 | 124.261 | 0.16 |
| 6945.00 | 44.490 | 124.560 | 5533.81 | 3046.66 | -2057.88 | 3020.68 | 1751295.80 | 14529568.07 | 40°00'25.5885"N | 80°36'14.5247"W | 3655.05 | 124.265 | 0.10 |
| 7041.00 | 44.500 | 124.320 | 5602.29 | 3102.86 | -2095.93 | 3076.17 | 1751351.26 | 14529530.04 | 40°00'25.2101"N | 80°36'13.8138"W | 3722.33 | 124.268 | 0.18 |
| 7136.00 | 44.490 | 124.380 | 5670.05 | 3158.41 | -2133.49 | 3131.14 | 1751406.21 | 14529492.49 | 40°00'24.8364"N | 80°36'13.1096"W | 3788.91 | 124.270 | 0.05 |
| 7232.00 | 44.490 | 124.240 | 5806.31 | 3270.04 | -2208.94 | 3241.70 | 1751516.73 | 14529417.07 | 40°00'24.0860"N | 80°36'11.6931"W | 3922.76 | 124.271 | 0.05 |
| 7422.00 | 43.780 | 125.290 | 5874.49 | 3325.49 | -2246.66 | 3296.04 | 1751571.05 | 14529379.36 | 40°00'23.7108"N | 80°36'10.9969"W | 3988.91 | 124.279 | 1.07 |
| 7518.00 | 44.400 | 124.690 | 5943.44 | 3381.63 | -2284.96 | 3350.77 | 1751625.75 | 14529341.08 | 40°00'23.3299"N | 80°36'10.2958"W | 4055.70 | 124.291 | 0.78 |
| 7613.00 | 44.400 | 124.400 | 6011.32 | 3437.22 | -2322.65 | 3405.52 | 1751680.48 | 14529303.40 | 40°00'22.9551"N | 80°36'9.5944"W | 4122.16 | 124.295 | 0.21 |
| 7709.00 | 44.500 | 124.420 | 6079.85 | 3493.35 | -2360.64 | 3460.98 | 1751735.92 | 14529265.43 | 40°00'22.5772"N | 80°36'8.8839"W | 4189.39 | 124.297 | 0.11 |
| 7805.00 | 44.450 | 124.680 | 6148.35 | 3549.59 | -2398.78 | 3516.37 | 1751791.30 | 14529227.30 | 40°00'22.1978"N | 80°36'8.1742"W | 4256.65 | 124.301 | 0.20 |
| 7901.00 | 44.500 | 124.390 | 6216.85 | 3605.83 | -2436.91 | 3571.78 | 1751846.68 | 14529189.18 | 40°00'21.8186"N | 80°36'7.4644"W | 4323.90 | 124.304 | 0.22 |
| 7996.00 | 46.990 | 127.910 | 6283.15 | 3663.75 | -2477.07 | 3626.67 | 1751901.56 | 14529149.04 | 40°00'21.4193"N | 80°36'6.7613"W | 4391.88 | 124.334 | 3.73 |
| 8092.00 | 54.390 | 132.450 | 6343.95 | 3729.56 | -2525.06 | 3683.26 | 1751958.12 | 14529101.07 | 40°00'20.9426"N | 80°36'6.0369"W | 4465.68 | 124.433 | 8.53 |
| 8188.00 | 62.270 | 138.890 | 6394.35 | 3805.20 | -2583.55 | 3740.12 | 1752014.96 | 14529042.61 | 40°00'20.3621"N | 80°36'5.3095"W | 4545.68 | 124.635 | 9.99 |
| 8283.00 | 70.340 | 142.240 | 6432.50 | 3888.22 | -2650.71 | 3795.26 | 1752070.08 | 14528975.47 | 40°00'19.6959"N | 80°36'4.6048"W | 4629.29 | 124.932 | 9.09 |



RECEIVED
Office of Oil and Gas
DEC 11 2025
WV Department of
Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 5 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

| WELLPATH DATA (225 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] |
| 8379.00 | 77.520 | 147.090 | 6459.07 | 3977.99 | -2725.94 | 3848.50 | 1752123.30 | 14528900.27 | 40°00'18.9501"N | 80°36'3.9249"W | 4716.11 | 125.310 | 8.91 |
| 8475.00 | 85.180 | 151.450 | 6473.51 | 4071.76 | -2807.45 | 3896.92 | 1752171.70 | 14528818.79 | 40°00'18.1424"N | 80°36'3.3074"W | 4802.89 | 125.770 | 9.15 |
| 8570.00 | 89.430 | 153.230 | 6477.97 | 4166.19 | -2891.48 | 3940.96 | 1752215.72 | 14528734.79 | 40°00'17.3101"N | 80°36'2.7464"W | 4887.93 | 126.268 | 4.85 |
| 8665.00 | 89.340 | 154.160 | 6478.99 | 4260.94 | -2976.64 | 3983.06 | 1752257.80 | 14528649.67 | 40°00'16.4667"N | 80°36'2.2103"W | 4972.44 | 126.772 | 0.98 |
| 8761.00 | 89.430 | 154.120 | 6480.02 | 4356.74 | -3063.02 | 4024.93 | 1752299.65 | 14528563.32 | 40°00'15.6112"N | 80°36'1.6772"W | 5057.88 | 127.272 | 0.10 |
| 8856.00 | 89.370 | 153.930 | 6481.02 | 4451.53 | -3148.42 | 4066.53 | 1752341.24 | 14528477.95 | 40°00'14.7654"N | 80°36'1.1475"W | 5142.88 | 127.748 | 0.21 |
| 8952.00 | 89.520 | 154.110 | 6481.95 | 4547.32 | -3234.72 | 4108.58 | 1752383.28 | 14528391.69 | 40°00'13.9108"N | 80°36'0.6121"W | 5229.13 | 128.214 | 0.24 |
| 9047.00 | 89.490 | 154.360 | 6482.77 | 4642.13 | -3320.27 | 4149.88 | 1752424.55 | 14528306.17 | 40°00'13.0635"N | 80°36'0.0864"W | 5314.66 | 128.663 | 0.27 |
| 9142.00 | 89.460 | 154.060 | 6483.64 | 4736.94 | -3405.80 | 4191.21 | 1752465.87 | 14528220.67 | 40°00'12.2164"N | 80°35'59.5603"W | 5400.53 | 129.098 | 0.32 |
| 9238.00 | 89.620 | 154.190 | 6484.41 | 4832.74 | -3492.17 | 4233.10 | 1752507.74 | 14528134.33 | 40°00'11.3610"N | 80°35'59.0269"W | 5487.66 | 129.522 | 0.21 |
| 9333.00 | 89.460 | 153.880 | 6485.17 | 4927.53 | -3577.58 | 4274.69 | 1752549.32 | 14528048.96 | 40°00'10.5151"N | 80°35'58.4974"W | 5574.23 | 129.927 | 0.37 |
| 9430.00 | 88.970 | 154.140 | 6486.50 | 5024.31 | -3664.76 | 4317.19 | 1752591.81 | 14527961.81 | 40°00'9.6517"N | 80°35'57.9563"W | 5662.92 | 130.327 | 0.57 |
| 9525.00 | 88.970 | 153.940 | 6488.21 | 5119.09 | -3750.17 | 4358.77 | 1752633.37 | 14527876.44 | 40°00'8.8059"N | 80°35'57.4269"W | 5750.01 | 130.708 | 0.21 |
| 9621.00 | 89.030 | 154.000 | 6489.89 | 5214.86 | -3836.41 | 4400.90 | 1752675.47 | 14527790.23 | 40°00'7.9517"N | 80°35'56.8906"W | 5838.32 | 131.080 | 0.09 |
| 9716.00 | 89.150 | 154.050 | 6491.39 | 5309.64 | -3921.81 | 4442.50 | 1752717.06 | 14527704.87 | 40°00'7.1060"N | 80°35'56.3610"W | 5925.91 | 131.438 | 0.14 |
| 9811.00 | 89.060 | 153.970 | 6492.88 | 5404.42 | -4007.19 | 4484.12 | 1752758.67 | 14527619.52 | 40°00'6.2603"N | 80°35'55.8310"W | 6013.73 | 131.785 | 0.13 |
| 9907.00 | 89.000 | 153.960 | 6494.50 | 5500.19 | -4093.44 | 4526.25 | 1752800.78 | 14527533.31 | 40°00'5.4062"N | 80°35'55.2946"W | 6102.72 | 132.125 | 0.06 |
| 10002.00 | 89.120 | 153.940 | 6496.06 | 5594.97 | -4178.77 | 4567.97 | 1752842.48 | 14527448.00 | 40°00'4.5610"N | 80°35'54.7636"W | 6191.00 | 132.452 | 0.13 |
| 10098.00 | 89.030 | 153.970 | 6497.61 | 5690.74 | -4265.01 | 4610.11 | 1752884.61 | 14527361.79 | 40°00'3.7069"N | 80°35'54.2270"W | 6280.40 | 132.773 | 0.10 |
| 10194.00 | 88.910 | 153.960 | 6499.34 | 5786.51 | -4351.26 | 4652.24 | 1752926.72 | 14527275.58 | 40°00'2.8527"N | 80°35'53.6906"W | 6369.99 | 133.085 | 0.13 |
| 10289.00 | 89.400 | 154.030 | 6500.74 | 5881.29 | -4436.63 | 4693.89 | 1752968.36 | 14527190.24 | 40°00'2.0072"N | 80°35'53.1604"W | 6458.82 | 133.386 | 0.52 |
| 10384.00 | 89.190 | 153.700 | 6501.91 | 5976.06 | -4521.91 | 4735.73 | 1753010.18 | 14527105.00 | 40°00'1.1626"N | 80°35'52.6277"W | 6547.89 | 133.677 | 0.41 |
| 10480.00 | 89.310 | 153.990 | 6503.16 | 6071.82 | -4608.07 | 4778.05 | 1753052.48 | 14527018.87 | 40°00'0.3092"N | 80°35'52.0890"W | 6638.08 | 133.963 | 0.33 |
| 10576.00 | 89.280 | 152.960 | 6504.35 | 6167.54 | -4693.96 | 4820.92 | 1753095.33 | 14526933.01 | 39°59'59.4585"N | 80°35'51.5431"W | 6728.63 | 134.236 | 1.07 |
| 10673.00 | 89.220 | 153.990 | 6505.61 | 6264.25 | -4780.74 | 4864.23 | 1753138.63 | 14526846.27 | 39°59'58.5990"N | 80°35'50.9916"W | 6820.28 | 134.504 | 1.06 |
| 10768.00 | 89.310 | 153.870 | 6506.83 | 6359.03 | -4866.07 | 4905.98 | 1753180.36 | 14526760.97 | 39°59'57.7539"N | 80°35'50.4601"W | 6909.94 | 134.766 | 0.16 |
| 10960.00 | 89.430 | 153.820 | 6508.94 | 6550.56 | -5038.40 | 4990.61 | 1753264.96 | 14526588.71 | 39°59'56.0471"N | 80°35'49.3827"W | 7091.66 | 135.273 | 0.07 |
| 11055.00 | 89.430 | 153.910 | 6509.89 | 6645.33 | -5123.68 | 5032.45 | 1753306.78 | 14526503.46 | 39°59'55.2025"N | 80°35'48.8500"W | 7181.76 | 135.515 | 0.09 |
| 11151.00 | 89.590 | 153.730 | 6510.71 | 6741.10 | -5209.83 | 5074.80 | 1753349.12 | 14526417.35 | 39°59'54.3493"N | 80°35'48.3108"W | 7272.96 | 135.752 | 0.25 |
| 11246.00 | 89.550 | 153.780 | 6511.42 | 6835.86 | -5295.03 | 5116.81 | 1753391.11 | 14526332.17 | 39°59'53.5054"N | 80°35'47.7760"W | 7363.37 | 135.981 | 0.07 |



RECEIVED
Office of Oil and Gas
DEC 11 2025
WV Department of
Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

WELLPATH DATA (225 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 11343.00 | 89.120 | 153.350 | 6512.55 | 6932.58 | -5381.89 | 5159.99 | 1753434.28 | 14526245.36 | 39°59'52.6452"N | 80°35'47.2262"W | 7455.88 | 136.206 | 0.63 |
| 11439.00 | 89.310 | 153.700 | 6513.86 | 7028.31 | -5467.81 | 5202.78 | 1753477.05 | 14526159.47 | 39°59'51.7941"N | 80°35'46.6814"W | 7547.58 | 136.423 | 0.41 |
| 11534.00 | 89.400 | 153.680 | 6514.93 | 7123.06 | -5552.96 | 5244.89 | 1753519.14 | 14526074.35 | 39°59'50.9507"N | 80°35'46.1453"W | 7638.34 | 136.634 | 0.10 |
| 11630.00 | 89.030 | 155.920 | 6516.25 | 7218.91 | -5639.81 | 5285.76 | 1753559.99 | 14525987.53 | 39°59'50.0906"N | 80°35'45.6253"W | 7729.60 | 136.856 | 2.36 |
| 11726.00 | 89.280 | 155.920 | 6517.67 | 7314.85 | -5727.45 | 5324.92 | 1753599.14 | 14525899.93 | 39°59'49.2228"N | 80°35'45.1271"W | 7820.39 | 137.086 | 0.26 |
| 11822.00 | 89.460 | 155.510 | 6518.72 | 7410.78 | -5814.95 | 5364.40 | 1753638.61 | 14525812.46 | 39°59'48.3564"N | 80°35'44.6250"W | 7911.41 | 137.308 | 0.47 |
| 11916.00 | 89.430 | 155.690 | 6519.63 | 7504.71 | -5900.55 | 5403.23 | 1753677.42 | 14525726.90 | 39°59'47.5087"N | 80°35'44.1310"W | 8000.71 | 137.519 | 0.19 |
| 12011.00 | 89.620 | 156.310 | 6520.42 | 7599.65 | -5987.33 | 5441.87 | 1753716.05 | 14525640.15 | 39°59'46.6494"N | 80°35'43.6396"W | 8090.86 | 137.732 | 0.68 |
| 12107.00 | 89.340 | 155.960 | 6521.29 | 7695.61 | -6075.12 | 5480.71 | 1753754.87 | 14525552.39 | 39°59'45.7801"N | 80°35'43.1457"W | 8182.01 | 137.945 | 0.47 |
| 12203.00 | 89.430 | 155.950 | 6522.32 | 7791.55 | -6162.78 | 5519.82 | 1753793.97 | 14525464.76 | 39°59'44.9120"N | 80°35'42.6483"W | 8273.35 | 138.150 | 0.09 |
| 12298.00 | 89.460 | 155.850 | 6523.24 | 7886.50 | -6249.50 | 5558.61 | 1753832.74 | 14525378.08 | 39°59'44.0533"N | 80°35'42.1549"W | 8363.88 | 138.349 | 0.11 |
| 12394.00 | 89.460 | 158.030 | 6524.15 | 7982.48 | -6337.82 | 5596.21 | 1753870.33 | 14525289.79 | 39°59'43.1789"N | 80°35'41.6770"W | 8454.91 | 138.556 | 2.27 |
| 12489.00 | 89.490 | 159.300 | 6525.02 | 8077.46 | -6426.30 | 5630.77 | 1753904.87 | 14525201.34 | 39°59'42.3029"N | 80°35'41.2381"W | 8544.18 | 138.775 | 1.34 |
| 12585.00 | 89.590 | 159.380 | 6525.79 | 8173.42 | -6516.13 | 5664.64 | 1753938.73 | 14525111.56 | 39°59'41.4137"N | 80°35'40.8082"W | 8634.12 | 138.999 | 0.13 |
| 12680.00 | 89.680 | 159.330 | 6526.39 | 8268.39 | -6605.02 | 5698.13 | 1753972.21 | 14525022.69 | 39°59'40.5337"N | 80°35'40.3830"W | 8723.25 | 139.216 | 0.11 |
| 12775.00 | 89.430 | 159.510 | 6527.13 | 8363.34 | -6693.96 | 5731.53 | 1754005.59 | 14524933.79 | 39°59'39.6533"N | 80°35'39.9592"W | 8812.46 | 139.429 | 0.32 |
| 12871.00 | 89.650 | 159.190 | 6527.90 | 8459.31 | -6783.79 | 5765.38 | 1754039.43 | 14524844.00 | 39°59'38.7641"N | 80°35'39.5295"W | 8902.78 | 139.640 | 0.40 |
| 12968.00 | 89.400 | 159.390 | 6528.70 | 8556.27 | -6874.52 | 5799.68 | 1754073.72 | 14524753.31 | 39°59'37.8660"N | 80°35'39.0941"W | 8994.18 | 139.847 | 0.33 |
| 13063.00 | 89.280 | 159.160 | 6529.80 | 8651.23 | -6963.36 | 5833.30 | 1754107.32 | 14524664.49 | 39°59'36.9864"N | 80°35'38.6673"W | 9083.82 | 140.047 | 0.27 |
| 13158.00 | 89.590 | 159.130 | 6530.74 | 8746.20 | -7052.14 | 5867.12 | 1754141.13 | 14524575.76 | 39°59'36.1077"N | 80°35'38.2380"W | 9173.64 | 140.241 | 0.33 |
| 13253.00 | 89.490 | 159.310 | 6531.50 | 8841.17 | -7140.95 | 5900.82 | 1754174.82 | 14524486.97 | 39°59'35.2284"N | 80°35'37.8102"W | 9263.53 | 140.432 | 0.22 |
| 13350.00 | 89.370 | 159.360 | 6532.46 | 8938.13 | -7231.71 | 5935.05 | 1754209.03 | 14524396.25 | 39°59'34.3300"N | 80°35'37.3757"W | 9355.34 | 140.624 | 0.13 |
| 13446.00 | 89.340 | 159.210 | 6533.54 | 9034.09 | -7321.49 | 5969.01 | 1754242.98 | 14524306.50 | 39°59'33.4412"N | 80°35'36.9447"W | 9446.34 | 140.811 | 0.16 |
| 13542.00 | 89.490 | 159.390 | 6534.52 | 9130.05 | -7411.29 | 6002.94 | 1754276.90 | 14524216.74 | 39°59'32.5523"N | 80°35'36.5140"W | 9537.43 | 140.994 | 0.24 |
| 13637.00 | 89.400 | 159.350 | 6535.44 | 9225.01 | -7500.20 | 6036.41 | 1754310.35 | 14524127.87 | 39°59'31.6722"N | 80°35'36.0892"W | 9627.63 | 141.172 | 0.10 |
| 13734.00 | 89.460 | 159.540 | 6536.41 | 9321.97 | -7591.02 | 6070.46 | 1754344.39 | 14524037.08 | 39°59'30.7732"N | 80°35'35.6570"W | 9719.78 | 141.351 | 0.21 |
| 13830.00 | 89.430 | 159.190 | 6537.34 | 9417.93 | -7680.85 | 6104.29 | 1754378.21 | 14523947.28 | 39°59'29.8838"N | 80°35'35.2276"W | 9811.11 | 141.524 | 0.37 |
| 13925.00 | 89.370 | 159.170 | 6538.33 | 9512.89 | -7769.65 | 6138.06 | 1754411.96 | 14523858.52 | 39°59'29.0049"N | 80°35'34.7990"W | 9901.67 | 141.691 | 0.07 |
| 14020.00 | 88.690 | 159.070 | 6539.94 | 9607.86 | -7858.39 | 6171.91 | 1754445.80 | 14523769.81 | 39°59'28.1263"N | 80°35'34.3693"W | 9992.34 | 141.854 | 0.72 |
| 14117.00 | 89.310 | 159.590 | 6541.64 | 9704.81 | -7949.13 | 6206.15 | 1754480.02 | 14523679.10 | 39°59'27.2280"N | 80°35'33.9348"W | 10084.89 | 142.020 | 0.83 |



RECEIVED
Office of Oil and Gas
DEC 11 2025
WV Department of
Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'

Page 7 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

WELLPATH DATA (225 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 14212.00 | 89.430 | 159.440 | 6542.68 | 9799.76 | -8038.12 | 6239.39 | 1754513.26 | 14523590.15 | 39°59'26.3471"N | 80°35'33.5129"W | 10175.53 | 142.180 | 0.20 |
| 14308.00 | 89.340 | 159.210 | 6543.71 | 9895.72 | -8127.93 | 6273.28 | 1754547.13 | 14523500.38 | 39°59'25.4581"N | 80°35'33.0827"W | 10267.30 | 142.338 | 0.26 |
| 14404.00 | 89.490 | 159.510 | 6544.69 | 9991.68 | -8217.77 | 6307.12 | 1754580.96 | 14523410.58 | 39°59'24.5688"N | 80°35'32.6532"W | 10359.13 | 142.494 | 0.35 |
| 14499.00 | 89.590 | 159.070 | 6545.45 | 10086.64 | -8306.63 | 6340.72 | 1754614.54 | 14523321.75 | 39°59'23.6892"N | 80°35'32.2268"W | 10450.11 | 142.644 | 0.47 |
| 14595.00 | 89.490 | 159.230 | 6546.22 | 10182.61 | -8396.34 | 6374.88 | 1754648.70 | 14523232.08 | 39°59'22.8011"N | 80°35'31.7931"W | 10542.18 | 142.793 | 0.20 |
| 14690.00 | 89.090 | 159.110 | 6547.40 | 10277.58 | -8485.12 | 6408.66 | 1754682.46 | 14523143.33 | 39°59'21.9222"N | 80°35'31.3644"W | 10633.35 | 142.937 | 0.44 |
| 14786.00 | 88.750 | 158.430 | 6549.21 | 10373.55 | -8574.59 | 6443.42 | 1754717.20 | 14523053.89 | 39°59'21.0364"N | 80°35'30.9231"W | 10725.73 | 143.077 | 0.79 |
| 14882.00 | 89.220 | 159.300 | 6550.91 | 10469.51 | -8664.12 | 6478.03 | 1754751.80 | 14522964.40 | 39°59'20.1502"N | 80°35'30.4838"W | 10818.12 | 143.215 | 1.03 |
| 14977.00 | 89.920 | 159.470 | 6551.62 | 10564.47 | -8753.03 | 6511.47 | 1754785.23 | 14522875.52 | 39°59'19.2700"N | 80°35'30.0593"W | 10909.39 | 143.354 | 0.76 |
| 15073.00 | 89.220 | 159.310 | 6552.34 | 10660.43 | -8842.88 | 6545.27 | 1754819.01 | 14522785.71 | 39°59'18.3805"N | 80°35'29.6304"W | 11001.68 | 143.492 | 0.75 |
| 15168.00 | 89.550 | 159.730 | 6553.36 | 10755.38 | -8931.87 | 6578.50 | 1754852.23 | 14522696.75 | 39°59'17.4996"N | 80°35'29.2087"W | 11093.02 | 143.628 | 0.56 |
| 15264.00 | 89.560 | 159.270 | 6554.11 | 10851.34 | -9021.79 | 6612.12 | 1754885.84 | 14522606.87 | 39°59'16.6095"N | 80°35'28.7821"W | 11185.38 | 143.762 | 0.48 |
| 15359.00 | 89.740 | 159.300 | 6554.69 | 10946.30 | -9110.65 | 6645.72 | 1754919.43 | 14522518.04 | 39°59'15.7298"N | 80°35'28.3556"W | 11276.95 | 143.891 | 0.19 |
| 15550.00 | 89.740 | 159.320 | 6555.56 | 11137.24 | -9289.33 | 6713.21 | 1754986.89 | 14522339.43 | 39°59'13.9610"N | 80°35'27.4992"W | 11461.18 | 144.145 | 0.01 |
| 15645.00 | 89.520 | 159.260 | 6556.17 | 11232.20 | -9378.19 | 6746.80 | 1755020.47 | 14522250.61 | 39°59'13.0814"N | 80°35'27.0728"W | 11552.91 | 144.268 | 0.24 |
| 15740.00 | 89.520 | 159.220 | 6556.97 | 11327.17 | -9467.01 | 6780.47 | 1755054.13 | 14522161.82 | 39°59'12.2020"N | 80°35'26.6455"W | 11644.71 | 144.389 | 0.04 |
| 15836.00 | 89.620 | 159.230 | 6557.69 | 11423.14 | -9556.77 | 6814.52 | 1755088.16 | 14522072.09 | 39°59'11.3135"N | 80°35'26.2133"W | 11737.53 | 144.509 | 0.10 |
| 15932.00 | 88.230 | 159.030 | 6559.49 | 11519.09 | -9646.45 | 6848.72 | 1755122.34 | 14521982.45 | 39°59'10.4257"N | 80°35'25.7793"W | 11830.43 | 144.626 | 1.46 |
| 16027.00 | 89.560 | 159.260 | 6561.32 | 11614.05 | -9735.21 | 6882.53 | 1755156.14 | 14521893.72 | 39°59'9.5470"N | 80°35'25.3502"W | 11922.40 | 144.741 | 1.42 |
| 16122.00 | 89.650 | 159.280 | 6561.97 | 11709.01 | -9824.06 | 6916.15 | 1755189.76 | 14521804.91 | 39°59'8.6675"N | 80°35'24.9234"W | 12014.38 | 144.854 | 0.10 |
| 16218.00 | 89.830 | 159.430 | 6562.41 | 11804.98 | -9913.89 | 6950.00 | 1755223.59 | 14521715.11 | 39°59'7.7782"N | 80°35'24.4939"W | 12107.34 | 144.968 | 0.24 |
| 16313.00 | 89.620 | 159.240 | 6562.87 | 11899.94 | -10002.78 | 6983.53 | 1755257.10 | 14521626.26 | 39°59'6.8983"N | 80°35'24.0685"W | 12199.39 | 145.079 | 0.30 |
| 16408.00 | 89.550 | 159.270 | 6563.55 | 11994.91 | -10091.62 | 7017.18 | 1755290.74 | 14521537.45 | 39°59'6.0188"N | 80°35'23.6414"W | 12291.52 | 145.187 | 0.08 |
| 16504.00 | 89.560 | 159.540 | 6564.30 | 12090.87 | -10181.48 | 7050.94 | 1755324.49 | 14521447.63 | 39°59'5.1292"N | 80°35'23.2130"W | 12384.60 | 145.296 | 0.28 |
| 16599.00 | 89.620 | 159.150 | 6564.98 | 12185.83 | -10270.37 | 7084.45 | 1755357.99 | 14521358.77 | 39°59'4.2493"N | 80°35'22.7877"W | 12476.78 | 145.402 | 0.42 |
| 16695.00 | 89.590 | 159.390 | 6565.64 | 12281.80 | -10360.15 | 7118.43 | 1755391.96 | 14521269.02 | 39°59'3.3605"N | 80°35'22.3565"W | 12570.00 | 145.507 | 0.25 |
| 16790.00 | 89.620 | 159.390 | 6566.30 | 12376.76 | -10449.07 | 7151.87 | 1755425.38 | 14521180.14 | 39°59'2.4802"N | 80°35'21.9322"W | 12662.24 | 145.610 | 0.03 |
| 16885.00 | 89.650 | 159.370 | 6566.90 | 12471.72 | -10537.98 | 7185.33 | 1755458.82 | 14521091.26 | 39°59'1.6001"N | 80°35'21.5077"W | 12754.53 | 145.712 | 0.04 |
| 16981.00 | 89.620 | 159.420 | 6567.51 | 12567.68 | -10627.84 | 7219.11 | 1755492.60 | 14521001.44 | 39°59'0.7105"N | 80°35'21.0790"W | 12847.82 | 145.813 | 0.06 |
| 17077.00 | 89.860 | 159.190 | 6567.95 | 12663.65 | -10717.64 | 7253.04 | 1755526.51 | 14520911.67 | 39°58'59.8215"N | 80°35'20.6485"W | 12941.19 | 145.912 | 0.35 |



RECEIVED
Office of Oil and Gas
DEC 11 2025
WV Department of Environmental Protection

Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 8 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

WELLPATH DATA (225 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 17173.00 | 89.400 | 159.220 | 6568.57 | 12759.61 | -10807.39 | 7287.12 | 1755560.58 | 14520821.96 | 39°58'58.9331"N | 80°35'20.2160"W | 13034.64 | 146.009 | 0.48 |
| 17269.00 | 89.550 | 159.360 | 6569.45 | 12855.58 | -10897.18 | 7321.07 | 1755594.51 | 14520732.20 | 39°58'58.0442"N | 80°35'19.7852"W | 13128.08 | 146.106 | 0.21 |
| 17364.00 | 89.800 | 159.360 | 6569.99 | 12950.54 | -10986.08 | 7354.55 | 1755627.98 | 14520643.34 | 39°58'57.1641"N | 80°35'19.3603"W | 13220.57 | 146.200 | 0.26 |
| 17460.00 | 89.030 | 159.090 | 6570.97 | 13046.51 | -11075.84 | 7388.60 | 1755662.02 | 14520553.62 | 39°58'56.2756"N | 80°35'18.9282"W | 13314.11 | 146.293 | 0.85 |
| 17556.00 | 89.680 | 159.170 | 6572.05 | 13142.47 | -11165.53 | 7422.80 | 1755696.20 | 14520463.96 | 39°58'55.3877"N | 80°35'18.4942"W | 13407.72 | 146.384 | 0.68 |
| 17652.00 | 89.190 | 159.820 | 6572.99 | 13238.43 | -11255.44 | 7456.43 | 1755729.82 | 14520374.08 | 39°58'54.4976"N | 80°35'18.0676"W | 13501.23 | 146.477 | 0.85 |
| 17748.00 | 89.250 | 158.810 | 6574.30 | 13334.38 | -11345.24 | 7490.33 | 1755763.71 | 14520284.31 | 39°58'53.6086"N | 80°35'17.6373"W | 13594.84 | 146.567 | 1.05 |
| 17843.00 | 89.310 | 160.240 | 6575.50 | 13429.33 | -11434.23 | 7523.56 | 1755796.92 | 14520195.36 | 39°58'52.7277"N | 80°35'17.2158"W | 13687.43 | 146.656 | 1.51 |
| 17938.00 | 89.890 | 160.400 | 6576.16 | 13524.23 | -11523.68 | 7555.55 | 1755828.90 | 14520105.95 | 39°58'51.8423"N | 80°35'16.8101"W | 13779.75 | 146.749 | 0.63 |
| 18034.00 | 89.710 | 160.220 | 6576.49 | 13620.14 | -11614.07 | 7587.90 | 1755861.24 | 14520015.60 | 39°58'50.9476"N | 80°35'16.4000"W | 13873.09 | 146.842 | 0.27 |
| 18130.00 | 89.280 | 160.390 | 6577.34 | 13716.05 | -11704.45 | 7620.25 | 1755893.58 | 14519925.25 | 39°58'50.0530"N | 80°35'15.9898"W | 13966.47 | 146.934 | 0.48 |
| 18226.00 | 89.520 | 160.260 | 6578.35 | 13811.95 | -11794.84 | 7652.57 | 1755925.88 | 14519834.90 | 39°58'49.1582"N | 80°35'15.5800"W | 14059.87 | 147.024 | 0.28 |
| 18322.00 | 89.800 | 160.340 | 6578.92 | 13907.85 | -11885.22 | 7684.93 | 1755958.23 | 14519744.55 | 39°58'48.2636"N | 80°35'15.1696"W | 14153.32 | 147.113 | 0.30 |
| 18418.00 | 89.490 | 160.390 | 6579.51 | 14003.76 | -11975.63 | 7717.19 | 1755990.48 | 14519654.17 | 39°58'47.3686"N | 80°35'14.7606"W | 14246.78 | 147.202 | 0.33 |
| 18513.00 | 89.560 | 160.010 | 6580.30 | 14098.67 | -12065.01 | 7749.37 | 1756022.64 | 14519564.82 | 39°58'46.4839"N | 80°35'14.3526"W | 14339.36 | 147.287 | 0.41 |
| 18609.00 | 89.430 | 160.220 | 6581.14 | 14194.59 | -12155.29 | 7782.02 | 1756055.28 | 14519474.59 | 39°58'45.5903"N | 80°35'13.9385"W | 14432.98 | 147.372 | 0.26 |
| 18705.00 | 89.620 | 160.360 | 6581.94 | 14290.49 | -12245.66 | 7814.39 | 1756087.65 | 14519384.25 | 39°58'44.6957"N | 80°35'13.5280"W | 14526.56 | 147.457 | 0.25 |
| 18800.00 | 89.990 | 160.310 | 6582.26 | 14385.40 | -12335.12 | 7846.36 | 1756119.60 | 14519294.83 | 39°58'43.8102"N | 80°35'13.1227"W | 14619.18 | 147.540 | 0.39 |
| 18895.00 | 89.650 | 160.160 | 6582.56 | 14480.31 | -12424.52 | 7878.49 | 1756151.71 | 14519205.46 | 39°58'42.9252"N | 80°35'12.7153"W | 14711.88 | 147.621 | 0.39 |
| 18992.00 | 89.680 | 160.270 | 6583.13 | 14577.22 | -12515.79 | 7911.32 | 1756184.54 | 14519114.22 | 39°58'42.0217"N | 80°35'12.2990"W | 14806.56 | 147.703 | 0.12 |
| 19088.00 | 89.620 | 160.120 | 6583.71 | 14673.14 | -12606.11 | 7943.85 | 1756217.05 | 14519023.94 | 39°58'41.1277"N | 80°35'11.8866"W | 14900.30 | 147.783 | 0.17 |
| 19184.00 | 89.490 | 160.180 | 6584.46 | 14769.06 | -12696.41 | 7976.44 | 1756249.63 | 14518933.68 | 39°58'40.2339"N | 80°35'11.4732"W | 14994.08 | 147.861 | 0.15 |
| 19279.00 | 89.430 | 160.290 | 6585.36 | 14863.97 | -12785.81 | 8008.57 | 1756281.74 | 14518844.31 | 39°58'39.3490"N | 80°35'11.0659"W | 15086.88 | 147.938 | 0.13 |
| 19375.00 | 89.650 | 160.190 | 6586.13 | 14959.87 | -12876.15 | 8041.02 | 1756314.19 | 14518754.00 | 39°58'38.4547"N | 80°35'10.6544"W | 15180.69 | 148.016 | 0.25 |
| 19470.00 | 89.830 | 160.320 | 6586.56 | 15054.79 | -12965.56 | 8073.12 | 1756346.27 | 14518664.63 | 39°58'37.5696"N | 80°35'10.2475"W | 15273.54 | 148.091 | 0.23 |
| 19566.00 | 89.800 | 160.110 | 6586.87 | 15150.70 | -13055.90 | 8105.61 | 1756378.75 | 14518574.33 | 39°58'36.6754"N | 80°35'9.8355"W | 15367.41 | 148.166 | 0.22 |
| 19662.00 | 90.140 | 160.150 | 6586.92 | 15246.62 | -13146.18 | 8138.24 | 1756411.37 | 14518484.08 | 39°58'35.7817"N | 80°35'9.4217"W | 15461.34 | 148.240 | 0.36 |
| 19757.00 | 89.680 | 160.410 | 6587.07 | 15341.53 | -13235.61 | 8170.29 | 1756443.41 | 14518394.69 | 39°58'34.8965"N | 80°35'9.0153"W | 15554.26 | 148.313 | 0.56 |
| 19853.00 | 89.860 | 160.350 | 6587.45 | 15437.43 | -13326.03 | 8202.53 | 1756475.63 | 14518304.29 | 39°58'34.0014"N | 80°35'8.6066"W | 15648.15 | 148.387 | 0.20 |
| 19949.00 | 89.620 | 160.210 | 6587.89 | 15533.34 | -13416.40 | 8234.92 | 1756508.01 | 14518213.96 | 39°58'33.1069"N | 80°35'8.1960"W | 15742.10 | 148.459 | 0.29 |



Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 9 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

| WELLPATH DATA (225 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] |
| 20045.00 | 89.650 | 160.180 | 6588.50 | 15629.26 | -13506.72 | 8267.45 | 1756540.52 | 14518123.68 | 39°58'32.2128"N | 80°35'7.7836"W | 15836.11 | 148.529 | 0.04 |
| 20140.00 | 89.430 | 160.380 | 6589.26 | 15724.16 | -13596.15 | 8299.50 | 1756572.57 | 14518034.29 | 39°58'31.3276"N | 80°35'7.3772"W | 15929.12 | 148.599 | 0.31 |
| 20236.00 | 89.770 | 160.310 | 6589.93 | 15820.07 | -13686.55 | 8331.79 | 1756604.84 | 14517943.92 | 39°58'30.4327"N | 80°35'6.9678"W | 16023.12 | 148.669 | 0.36 |
| 20332.00 | 89.800 | 160.410 | 6590.29 | 15915.97 | -13776.97 | 8364.06 | 1756637.10 | 14517853.54 | 39°58'29.5378"N | 80°35'6.5588"W | 16117.14 | 148.738 | 0.11 |
| 20428.00 | 89.710 | 160.200 | 6590.70 | 16011.88 | -13867.35 | 8396.41 | 1756669.44 | 14517763.19 | 39°58'28.6431"N | 80°35'6.1486"W | 16211.20 | 148.806 | 0.24 |
| 20524.00 | 89.920 | 160.220 | 6591.01 | 16107.79 | -13957.68 | 8428.91 | 1756701.93 | 14517672.89 | 39°58'27.7489"N | 80°35'5.7365"W | 16305.32 | 148.873 | 0.22 |
| 20619.00 | 89.960 | 159.940 | 6591.11 | 16202.72 | -14047.00 | 8461.28 | 1756734.28 | 14517583.61 | 39°58'26.8648"N | 80°35'5.3261"W | 16398.52 | 148.937 | 0.30 |
| 20714.00 | 91.490 | 159.940 | 6589.91 | 16297.64 | -14136.22 | 8493.86 | 1756766.85 | 14517494.42 | 39°58'25.9815"N | 80°35'4.9129"W | 16491.77 | 149.000 | 1.61 |
| 20810.00 | 90.080 | 159.750 | 6588.60 | 16393.57 | -14226.33 | 8526.94 | 1756799.91 | 14517404.35 | 39°58'25.0895"N | 80°35'4.4935"W | 16586.06 | 149.062 | 1.48 |
| 20906.00 | 91.340 | 160.580 | 6587.41 | 16489.48 | -14316.63 | 8559.51 | 1756832.47 | 14517314.09 | 39°58'24.1957"N | 80°35'4.0806"W | 16680.26 | 149.126 | 1.57 |
| 21001.00 | 89.710 | 160.300 | 6586.54 | 16584.37 | -14406.14 | 8591.31 | 1756864.26 | 14517224.61 | 39°58'23.3097"N | 80°35'3.6774"W | 16773.42 | 149.190 | 1.74 |
| 21097.00 | 90.230 | 160.460 | 6586.59 | 16680.27 | -14496.57 | 8623.54 | 1756896.48 | 14517134.22 | 39°58'22.4146"N | 80°35'3.2688"W | 16867.60 | 149.253 | 0.57 |
| 21193.00 | 90.820 | 160.080 | 6585.71 | 16776.18 | -14586.93 | 8655.95 | 1756928.88 | 14517043.89 | 39°58'21.5201"N | 80°35'2.8580"W | 16961.84 | 149.315 | 0.73 |
| 21235.00 | 90.600 | 160.670 | 6585.19 | 16818.13 | -14626.48 | 8670.06 | 1756942.98 | 14517004.35 | 39°58'21.1286"N | 80°35'2.6792"W | 17003.06 | 149.342 | 1.50 |
| 21260.00‡ | 90.600 | 160.670 | 6584.92 | 16843.10 | -14650.07 | 8678.33 | 1756951.25 | 14516980.77 | 39°58'20.8951"N | 80°35'2.5743"W | 17027.57 | 149.359 | 0.00 |

| HOLE & CASING SECTIONS | | | | | | | | | |
|---|---------------|-------------|---------------|----------------|--|----------------|----------------|--------------|--------------|
| - Ref Wellbore: Michael Southworth MSH 410H AWB | | | | | Ref Wellpath: Michael Southworth MSH 410H awp Proj: 21260' | | | | |
| 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] |
| 13.375in Casing | 26.00 | 657.00 | 631.00 | 26.00 | 657.00 | 0.00 | 0.00 | -0.11 | 0.30 |
| 9.625in Casing | 26.00 | 2049.00 | 2023.00 | 26.00 | 2003.36 | 0.00 | 0.00 | -134.35 | 239.87 |
| 5.5in Casing | 26.00 | 21260.00 | 21234.00 | 26.00 | 6584.92 | 0.00 | 0.00 | -14650.07 | 8678.33 |

RECEIVED
Office of Oil and Gas

DEC 11 2025

WV Department of
Environmental Protection



Actual Wellpath Report

Michael Southworth MSH 410H awp Proj: 21260'
Page 10 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------|----------|---------------------------------|
| Operator | EXPAND ENERGY | Well | Michael Southworth MSH 410H |
| Field | Marshall WV | API | 47-051-02523-00-00 |
| Facility | Michael Southworth MSH Pad | Wellbore | Michael Southworth MSH 410H AWB |
| Slot | 410H | | |

| TARGETS | | | | | | | | |
|---------------------------------------|----------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------|
| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
| Michael Southworth MSH 410H LP rev 2 | 6482.00 | -2863.82 | 3903.53 | 1752178.30 | 14528762.44 | 40°00'17.5851"N | 80°36'3.2258"W | point |
| Michael Southworth MSH 410H wp | 6518.00 | -6313.08 | 5579.21 | 1753853.34 | 14525314.52 | 39°59'43.4241"N | 80°35'41.8939"W | point |
| Michael Southworth MSH 410H BHL rev 2 | 6573.00 | -14638.43 | 8706.51 | 1756979.42 | 14516992.41 | 39°58'21.0088"N | 80°35'2.2116"W | point |

| WELLPATH COMPOSITION - Ref Wellbore: Michael Southworth MSH 410H AWB Ref Wellpath: Michael Southworth MSH 410H awp Proj: 21260' | | | | | |
|--|-------------|---|---|---------------------------------|-------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | Survey Date |
| 26.00 | 657.00 | Gyrodata 2015 - GC+WIR+DPIPE | 1 Imported Gyrodata 17.5" 50' - 657' | Michael Southworth MSH 410H AWB | 2/14/2025 |
| 657.00 | 1233.00 | Custom OWSG MWD+IFR1+SAG+FDIR (Approximation) | 2 Total MWD 12.25" IFR-MSA SuperiorQC 689' - 1233' | Michael Southworth MSH 410H AWB | 2/14/2025 |
| 1233.00 | 2049.00 | Custom OWSG MWD+IFR1+SAG+FDIR (Approximation) | 3 Total MWD 12.25" IFR-MSA SuperiorQC 1416' - 2049' | Michael Southworth MSH 410H AWB | 2/14/2025 |
| 2049.00 | 21260.00 | Custom OWSG MWD+IFR1+SAG+FDIR (Approximation) | 4 BH MWD 8.5" IFR-MSA SuperiorQC 2179- 21235' | Michael Southworth MSH 410H AWB | 2/14/2025 |

RECEIVED
Office of Oil and Gas

DEC 11 2025

WV Department of
Environmental Protection