

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## REPORT SETUP INFORMATION

|                     |                                    |                  |                          |
|---------------------|------------------------------------|------------------|--------------------------|
| Projection System   | NAD83 / UTM Zone 17 North, US feet | Software System  | WellArchitect® 6.0       |
| North Reference     | Grid                               | User             | Tranlam                  |
| Scale               | 0.999617                           | Report Generated | 9/24/2024 at 12:18:13 PM |
| Convergence at slot | 0.28° 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         | -8.28             | 11.27    | 1761496.42       | 14418828.40     | 39°42'10.3183"N        | 80°34'10.2426"W |
| Facility Reference Pt |                   |          | 1761485.15       | 14418836.68     | 39°42'10.4007"N        | 80°34'10.3863"W |
| Field Reference Pt    |                   |          | 0.00             | 0.00            | 0°00'0.0000"           | 85°29'19.4780"W |

## WELLPATH DATUM

|                          |                   |                                           |                   |
|--------------------------|-------------------|-------------------------------------------|-------------------|
| Calculation method       | Minimum curvature | SDC 501 (KB) to Facility Vertical Datum   | 1437.12ft         |
| Horizontal Reference Pt  | Slot              | SDC 501 (KB) to Mean Sea Level            | 1437.12ft         |
| Vertical Reference Pt    | SDC 501 (KB)      | SDC 501 (KB) to Ground Level at Slot (3H) | 26.00ft           |
| MD Reference Pt          | SDC 501 (KB)      | Section Origin                            | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level    | Section Azimuth                           | 312.95°           |

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WV Department of  
Environmental Protection

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| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 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           | 224.180     | 0.00     | 0.00           | 0.00       | 0.00      | 1761496.42        | 14418828.40        | 39°42'10.3183"N | 80°34'10.2426"W | 0.00              | 0.000           | 0.00          |
| 26.00   | 0.000           | 224.180     | 26.00    | 0.00           | 0.00       | 0.00      | 1761496.42        | 14418828.40        | 39°42'10.3183"N | 80°34'10.2426"W | 0.00              | 0.000           | 0.00          |
| 175.00  | 0.260           | 224.180     | 175.00   | 0.01           | -0.24      | -0.24     | 1761496.18        | 14418828.16        | 39°42'10.3159"N | 80°34'10.2456"W | 0.34              | 224.180         | 0.17          |
| 235.00  | 0.380           | 228.910     | 235.00   | 0.03           | -0.47      | -0.48     | 1761495.94        | 14418827.93        | 39°42'10.3137"N | 80°34'10.2487"W | 0.67              | 225.578         | 0.20          |
| 327.00  | 0.330           | 220.590     | 327.00   | 0.05           | -0.87      | -0.88     | 1761495.54        | 14418827.53        | 39°42'10.3097"N | 80°34'10.2539"W | 1.24              | 225.333         | 0.08          |
| 417.00  | 0.430           | 211.000     | 416.99   | -0.03          | -1.36      | -1.23     | 1761495.20        | 14418827.04        | 39°42'10.3049"N | 80°34'10.2583"W | 1.83              | 222.042         | 0.13          |
| 428.00  | 0.370           | 228.510     | 427.99   | -0.03          | -1.42      | -1.27     | 1761495.15        | 14418826.98        | 39°42'10.3043"N | 80°34'10.2589"W | 1.91              | 221.925         | 1.23          |
| 515.00  | 0.230           | 198.900     | 514.99   | -0.08          | -1.77      | -1.54     | 1761494.88        | 14418826.63        | 39°42'10.3009"N | 80°34'10.2624"W | 2.35              | 221.043         | 0.24          |
| 535.00  | 0.190           | 158.400     | 534.99   | -0.12          | -1.84      | -1.54     | 1761494.88        | 14418826.56        | 39°42'10.3002"N | 80°34'10.2624"W | 2.40              | 219.978         | 0.75          |
| 628.00  | 1.710           | 62.470      | 627.98   | -0.73          | -1.34      | -0.25     | 1761496.17        | 14418827.06        | 39°42'10.3051"N | 80°34'10.2459"W | 1.36              | 190.719         | 1.87          |
| 718.00  | 3.910           | 58.610      | 717.87   | -2.00          | 0.88       | 3.56      | 1761499.98        | 14418829.28        | 39°42'10.3268"N | 80°34'10.1970"W | 3.66              | 76.114          | 2.45          |
| 809.00  | 6.300           | 60.540      | 808.50   | -4.35          | 4.95       | 10.55     | 1761506.97        | 14418833.35        | 39°42'10.3667"N | 80°34'10.1072"W | 11.66             | 64.865          | 2.63          |
| 899.00  | 8.440           | 63.060      | 897.75   | -8.11          | 10.37      | 20.74     | 1761517.15        | 14418838.77        | 39°42'10.4198"N | 80°34'9.9765"W  | 23.19             | 63.431          | 2.40          |
| 989.00  | 10.570          | 68.460      | 986.51   | -13.94         | 16.40      | 34.31     | 1761530.72        | 14418844.79        | 39°42'10.4787"N | 80°34'9.8026"W  | 38.03             | 64.457          | 2.56          |
| 1080.00 | 12.900          | 75.970      | 1075.61  | -23.07         | 21.93      | 51.93     | 1761548.33        | 14418850.32        | 39°42'10.5325"N | 80°34'9.5788"W  | 56.37             | 67.111          | 3.06          |
| 1170.00 | 15.910          | 81.310      | 1162.77  | -36.21         | 26.23      | 73.88     | 1761570.27        | 14418854.62        | 39°42'10.5740"N | 80°34'9.2957"W  | 78.40             | 70.456          | 3.65          |
| 1260.00 | 18.650          | 87.690      | 1248.71  | -54.00         | 28.67      | 100.46    | 1761596.84        | 14418857.06        | 39°42'10.5969"N | 80°34'8.9555"W  | 104.47            | 74.072          | 3.70          |
| 1351.00 | 19.870          | 98.210      | 1334.64  | -76.95         | 27.05      | 130.31    | 1761626.88        | 14418855.44        | 39°42'10.5794"N | 80°34'8.5736"W  | 133.09            | 78.274          | 4.04          |
| 1438.00 | 21.630          | 102.730     | 1416.00  | -102.96        | 21.40      | 160.59    | 1761656.95        | 14418849.79        | 39°42'10.5222"N | 80°34'8.1866"W  | 162.01            | 82.409          | 2.73          |
| 1531.00 | 23.930          | 102.120     | 1501.74  | -133.97        | 13.66      | 195.76    | 1761692.10        | 14418842.06        | 39°42'10.4440"N | 80°34'7.7371"W  | 196.23            | 86.007          | 2.49          |
| 1622.00 | 26.580          | 101.820     | 1584.03  | -167.26        | 5.62       | 233.74    | 1761730.07        | 14418834.02        | 39°42'10.3627"N | 80°34'7.2517"W  | 233.80            | 88.623          | 2.92          |
| 1713.00 | 29.370          | 105.210     | 1664.40  | -204.44        | -4.41      | 275.21    | 1761771.52        | 14418823.99        | 39°42'10.2616"N | 80°34'6.7218"W  | 275.24            | 90.918          | 3.53          |
| 1804.00 | 30.710          | 109.400     | 1743.18  | -245.50        | -17.99     | 318.67    | 1761814.96        | 14418810.42        | 39°42'10.1254"N | 80°34'6.1666"W  | 319.17            | 93.230          | 2.73          |
| 1894.00 | 30.610          | 110.770     | 1820.60  | -287.79        | -33.74     | 361.77    | 1761858.05        | 14418794.67        | 39°42'9.9676"N  | 80°34'5.6161"W  | 363.34            | 95.329          | 0.78          |
| 1986.00 | 30.710          | 109.410     | 1899.74  | -331.01        | -49.86     | 405.82    | 1761902.09        | 14418778.56        | 39°42'9.8063"N  | 80°34'5.0534"W  | 408.88            | 97.004          | 0.76          |
| 2076.00 | 30.200          | 107.090     | 1977.33  | -372.45        | -64.15     | 449.14    | 1761945.38        | 14418764.28        | 39°42'9.6630"N  | 80°34'4.5001"W  | 453.70            | 98.128          | 1.42          |
| 2166.00 | 31.160          | 104.260     | 2054.73  | -413.25        | -76.54     | 493.34    | 1761989.57        | 14418751.89        | 39°42'9.5385"N  | 80°34'3.9353"W  | 499.25            | 98.818          | 1.93          |
| 2260.00 | 31.150          | 104.190     | 2135.18  | -455.90        | -88.49     | 540.48    | 1762036.70        | 14418739.95        | 39°42'9.4181"N  | 80°34'3.3329"W  | 547.68            | 99.298          | 0.04          |
| 2350.00 | 30.740          | 105.090     | 2212.37  | -496.64        | -100.18    | 585.26    | 1762081.46        | 14418728.26        | 39°42'9.3004"N  | 80°34'2.7608"W  | 593.77            | 99.713          | 0.69          |
| 2441.00 | 30.410          | 103.480     | 2290.71  | -537.25        | -111.60    | 630.11    | 1762126.29        | 14418716.84        | 39°42'9.1854"N  | 80°34'2.1876"W  | 639.92            | 100.044         | 0.97          |

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| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

**WELLPATH DATA (321 stations)**

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|----------------------|--------------------|------------------|
| 2531.00    | 30.100             | 103.050        | 2368.46     | -576.65           | -122.01       | 674.25       | 1762170.41           | 14418706.44           | 39°42'9.0804"N | 80°34'1.6236"W  | 685.20               | 100.257            | 0.42             |
| 2622.00    | 30.600             | 104.490        | 2446.99     | -616.79           | -132.96       | 718.90       | 1762215.05           | 14418695.49           | 39°42'8.9701"N | 80°34'1.0529"W  | 731.10               | 100.478            | 0.97             |
| 2712.00    | 32.900             | 105.120        | 2523.51     | -658.55           | -145.07       | 764.69       | 1762260.81           | 14418683.39           | 39°42'8.8482"N | 80°34'0.4680"W  | 778.32               | 100.742            | 2.58             |
| 2803.00    | 31.820             | 105.200        | 2600.38     | -701.64           | -157.80       | 811.70       | 1762307.80           | 14418670.66           | 39°42'8.7201"N | 80°33'59.8673"W | 826.89               | 101.002            | 1.19             |
| 2893.00    | 30.520             | 104.560        | 2677.38     | -742.75           | -169.77       | 856.71       | 1762352.80           | 14418658.70           | 39°42'8.5997"N | 80°33'59.2921"W | 873.37               | 101.209            | 1.49             |
| 3013.00    | 29.370             | 102.290        | 2781.37     | -794.87           | -183.69       | 914.96       | 1762411.03           | 14418644.78           | 39°42'8.4593"N | 80°33'58.5477"W | 933.22               | 101.352            | 1.35             |
| 3059.00    | 29.370             | 101.680        | 2821.45     | -814.21           | -188.38       | 937.03       | 1762433.09           | 14418640.09           | 39°42'8.4120"N | 80°33'58.2656"W | 955.78               | 101.367            | 0.65             |
| 3151.00    | 29.960             | 101.500        | 2901.40     | -853.09           | -197.53       | 981.64       | 1762477.68           | 14418630.95           | 39°42'8.3194"N | 80°33'57.6955"W | 1001.31              | 101.377            | 0.65             |
| 3241.00    | 30.870             | 102.870        | 2979.01     | -892.25           | -207.15       | 1026.17      | 1762522.19           | 14418621.33           | 39°42'8.2222"N | 80°33'57.1264"W | 1046.87              | 101.413            | 1.27             |
| 3332.00    | 30.880             | 103.450        | 3057.12     | -932.77           | -217.78       | 1071.64      | 1762567.65           | 14418610.70           | 39°42'8.1149"N | 80°33'56.5453"W | 1093.54              | 101.487            | 0.33             |
| 3422.00    | 30.830             | 102.800        | 3134.38     | -972.82           | -228.26       | 1116.59      | 1762612.58           | 14418600.22           | 39°42'8.0092"N | 80°33'55.9708"W | 1139.68              | 101.554            | 0.37             |
| 3513.00    | 31.070             | 100.650        | 3212.42     | -1012.83          | -237.77       | 1162.41      | 1762658.38           | 14418590.72           | 39°42'7.9131"N | 80°33'55.3852"W | 1186.48              | 101.560            | 1.24             |
| 3603.00    | 30.920             | 100.760        | 3289.57     | -1052.03          | -246.38       | 1207.95      | 1762703.90           | 14418582.12           | 39°42'7.8258"N | 80°33'54.8031"W | 1232.82              | 101.528            | 0.18             |
| 3694.00    | 30.530             | 102.100        | 3367.80     | -1091.66          | -255.59       | 1253.52      | 1762749.46           | 14418572.91           | 39°42'7.7326"N | 80°33'54.2206"W | 1279.31              | 101.524            | 0.87             |
| 3784.00    | 30.130             | 101.500        | 3445.48     | -1130.55          | -264.88       | 1298.01      | 1762793.92           | 14418563.62           | 39°42'7.6386"N | 80°33'53.6521"W | 1324.76              | 101.534            | 0.56             |
| 3875.00    | 30.330             | 100.700        | 3524.11     | -1169.47          | -273.70       | 1342.96      | 1762838.87           | 14418554.80           | 39°42'7.5493"N | 80°33'53.0774"W | 1370.57              | 101.519            | 0.49             |
| 3966.00    | 31.200             | 102.600        | 3602.30     | -1209.24          | -283.11       | 1388.54      | 1762884.43           | 14418545.40           | 39°42'7.4541"N | 80°33'52.4948"W | 1417.11              | 101.524            | 1.43             |
| 4059.00    | 30.780             | 104.770        | 3682.03     | -1251.01          | -294.43       | 1435.06      | 1762930.93           | 14418534.08           | 39°42'7.3400"N | 80°33'51.9003"W | 1464.96              | 101.595            | 1.28             |
| 4149.00    | 30.080             | 104.000        | 3759.63     | -1291.04          | -305.76       | 1479.22      | 1762975.07           | 14418522.76           | 39°42'7.2259"N | 80°33'51.3362"W | 1510.49              | 101.679            | 0.89             |
| 4240.00    | 30.130             | 104.030        | 3838.36     | -1330.99          | -316.81       | 1523.50      | 1763019.34           | 14418511.71           | 39°42'7.1146"N | 80°33'50.7703"W | 1556.10              | 101.747            | 0.06             |
| 4331.00    | 30.340             | 105.520        | 3916.98     | -1371.38          | -328.50       | 1567.81      | 1763063.62           | 14418500.02           | 39°42'6.9969"N | 80°33'50.2042"W | 1601.85              | 101.834            | 0.86             |
| 4421.00    | 30.560             | 104.970        | 3994.56     | -1411.76          | -340.49       | 1611.81      | 1763107.61           | 14418488.04           | 39°42'6.8763"N | 80°33'49.6419"W | 1647.38              | 101.928            | 0.39             |
| 4512.00    | 30.900             | 104.730        | 4072.79     | -1452.78          | -352.41       | 1656.76      | 1763152.54           | 14418476.12           | 39°42'6.7564"N | 80°33'49.0676"W | 1693.83              | 102.008            | 0.40             |
| 4602.00    | 31.520             | 105.580        | 4149.76     | -1494.04          | -364.61       | 1701.77      | 1763197.54           | 14418463.93           | 39°42'6.6337"N | 80°33'48.4925"W | 1740.39              | 102.093            | 0.85             |
| 4692.00    | 31.200             | 103.940        | 4226.61     | -1535.32          | -376.54       | 1747.06      | 1763242.81           | 14418452.00           | 39°42'6.5136"N | 80°33'47.9138"W | 1787.18              | 102.163            | 1.01             |
| 4783.00    | 30.930             | 104.690        | 4304.56     | -1576.53          | -388.15       | 1792.56      | 1763288.29           | 14418440.40           | 39°42'6.3967"N | 80°33'47.3324"W | 1834.10              | 102.218            | 0.52             |
| 4873.00    | 30.860             | 105.730        | 4381.79     | -1617.43          | -400.27       | 1837.15      | 1763332.86           | 14418428.28           | 39°42'6.2747"N | 80°33'46.7627"W | 1880.25              | 102.291            | 0.60             |
| 4965.00    | 30.390             | 104.110        | 4460.96     | -1658.80          | -412.34       | 1882.43      | 1763378.12           | 14418416.22           | 39°42'6.1532"N | 80°33'46.1841"W | 1927.06              | 102.355            | 1.03             |
| 5057.00    | 29.790             | 102.380        | 4540.57     | -1698.86          | -422.92       | 1927.32      | 1763423.00           | 14418405.65           | 39°42'6.0466"N | 80°33'45.6104"W | 1973.18              | 102.376            | 1.15             |
| 5150.00    | 28.950             | 102.520        | 4621.61     | -1738.16          | -432.75       | 1971.86      | 1763467.52           | 14418395.82           | 39°42'5.9473"N | 80°33'45.0412"W | 2018.79              | 102.378            | 0.91             |

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| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|----------------------|--------------------|------------------|
| 5240.00    | 28.820             | 102.940        | 4700.42     | -1775.72          | -442.33       | 2014.27      | 1763509.91           | 14418386.24           | 39°42'5.8505"N | 80°33'44.4992"W | 2062.26              | 102.385            | 0.27             |
| 5330.00    | 29.370             | 103.900        | 4779.06     | -1813.80          | -452.49       | 2056.83      | 1763552.46           | 14418376.09           | 39°42'5.7481"N | 80°33'43.9553"W | 2106.02              | 102.407            | 0.80             |
| 5421.00    | 29.860             | 104.190        | 4858.17     | -1853.17          | -463.40       | 2100.46      | 1763596.07           | 14418365.18           | 39°42'5.6381"N | 80°33'43.3978"W | 2150.97              | 102.441            | 0.56             |
| 5512.00    | 30.320             | 104.820        | 4936.91     | -1893.29          | -474.83       | 2144.63      | 1763640.22           | 14418353.75           | 39°42'5.5230"N | 80°33'42.8335"W | 2196.56              | 102.484            | 0.61             |
| 5602.00    | 31.110             | 105.300        | 5014.28     | -1933.92          | -486.78       | 2189.02      | 1763684.59           | 14418341.81           | 39°42'5.4028"N | 80°33'42.2663"W | 2242.48              | 102.537            | 0.92             |
| 5693.00    | 31.570             | 104.600        | 5092.00     | -1975.71          | -498.98       | 2234.74      | 1763730.30           | 14418329.61           | 39°42'5.2800"N | 80°33'41.6820"W | 2289.77              | 102.587            | 0.64             |
| 5783.00    | 31.460             | 102.880        | 5168.73     | -2016.76          | -510.16       | 2280.44      | 1763775.98           | 14418318.44           | 39°42'5.1673"N | 80°33'41.0981"W | 2336.80              | 102.610            | 1.01             |
| 5874.00    | 31.550             | 102.100        | 5246.32     | -2057.75          | -520.44       | 2326.87      | 1763822.39           | 14418308.16           | 39°42'5.0635"N | 80°33'40.5048"W | 2384.36              | 102.608            | 0.46             |
| 5964.00    | 30.880             | 102.950        | 5323.29     | -2097.97          | -530.55       | 2372.40      | 1763867.90           | 14418298.05           | 39°42'4.9613"N | 80°33'39.9229"W | 2431.00              | 102.606            | 0.89             |
| 6058.00    | 30.340             | 103.290        | 5404.19     | -2139.49          | -541.42       | 2419.01      | 1763914.50           | 14418287.19           | 39°42'4.8517"N | 80°33'39.3271"W | 2478.86              | 102.616            | 0.60             |
| 6148.00    | 29.780             | 103.150        | 5482.08     | -2178.64          | -551.73       | 2462.90      | 1763958.37           | 14418276.88           | 39°42'4.7477"N | 80°33'38.7663"W | 2523.94              | 102.627            | 0.63             |
| 6239.00    | 29.720             | 103.750        | 5561.09     | -2217.94          | -562.23       | 2506.82      | 1764002.27           | 14418266.39           | 39°42'4.6418"N | 80°33'38.2051"W | 2569.09              | 102.641            | 0.33             |
| 6330.00    | 30.120             | 104.260        | 5639.96     | -2257.66          | -573.22       | 2550.86      | 1764046.29           | 14418255.40           | 39°42'4.5311"N | 80°33'37.6424"W | 2614.47              | 102.665            | 0.52             |
| 6420.00    | 30.880             | 105.670        | 5717.51     | -2298.00          | -585.02       | 2594.98      | 1764090.40           | 14418243.61           | 39°42'4.4123"N | 80°33'37.0786"W | 2660.11              | 102.704            | 1.16             |
| 6511.00    | 32.010             | 105.470        | 5795.14     | -2340.15          | -597.76       | 2640.71      | 1764136.11           | 14418230.87           | 39°42'4.2842"N | 80°33'36.4943"W | 2707.52              | 102.755            | 1.25             |
| 6601.00    | 31.480             | 102.760        | 5871.68     | -2381.63          | -609.31       | 2686.62      | 1764182.01           | 14418219.32           | 39°42'4.1678"N | 80°33'35.9077"W | 2754.85              | 102.778            | 1.69             |
| 6693.00    | 30.150             | 101.930        | 5950.69     | -2422.19          | -619.39       | 2732.66      | 1764228.02           | 14418209.25           | 39°42'4.0659"N | 80°33'35.3193"W | 2801.97              | 102.771            | 1.52             |
| 6783.00    | 29.840             | 105.020        | 6028.65     | -2461.35          | -629.87       | 2776.40      | 1764271.75           | 14418198.77           | 39°42'3.9603"N | 80°33'34.7603"W | 2846.95              | 102.782            | 1.75             |
| 6874.00    | 30.380             | 104.350        | 6107.37     | -2501.55          | -641.44       | 2820.56      | 1764315.89           | 14418187.21           | 39°42'3.8438"N | 80°33'34.1961"W | 2892.58              | 102.812            | 0.70             |
| 6972.00    | 30.580             | 103.310        | 6191.82     | -2544.98          | -653.32       | 2868.82      | 1764364.14           | 14418175.33           | 39°42'3.7240"N | 80°33'33.5793"W | 2942.28              | 102.829            | 0.58             |
| 7064.00    | 30.430             | 103.820        | 6271.09     | -2585.67          | -664.27       | 2914.22      | 1764409.52           | 14418164.38           | 39°42'3.6136"N | 80°33'32.9992"W | 2988.97              | 102.841            | 0.33             |
| 7154.00    | 30.240             | 103.520        | 6348.77     | -2625.32          | -675.02       | 2958.39      | 1764453.67           | 14418153.64           | 39°42'3.5053"N | 80°33'32.4348"W | 3034.42              | 102.853            | 0.27             |
| 7245.00    | 29.510             | 103.490        | 6427.67     | -2664.79          | -685.60       | 3002.46      | 1764497.73           | 14418143.06           | 39°42'3.3985"N | 80°33'31.8716"W | 3079.75              | 102.863            | 0.80             |
| 7336.00    | 29.600             | 103.990        | 6506.83     | -2703.97          | -696.26       | 3046.07      | 1764541.31           | 14418132.41           | 39°42'3.2910"N | 80°33'31.3144"W | 3124.63              | 102.875            | 0.29             |
| 7427.00    | 30.430             | 103.010        | 6585.63     | -2743.60          | -706.88       | 3090.33      | 1764585.56           | 14418121.79           | 39°42'3.1839"N | 80°33'30.7488"W | 3170.14              | 102.884            | 1.06             |
| 7517.00    | 30.450             | 103.230        | 6663.22     | -2783.16          | -717.23       | 3134.73      | 1764629.95           | 14418111.44           | 39°42'3.0795"N | 80°33'30.1813"W | 3215.74              | 102.888            | 0.13             |
| 7607.00    | 30.520             | 103.250        | 6740.78     | -2822.82          | -727.69       | 3179.18      | 1764674.37           | 14418100.99           | 39°42'2.9739"N | 80°33'29.6134"W | 3261.40              | 102.893            | 0.08             |
| 7698.00    | 27.660             | 93.440         | 6820.34     | -2859.21          | -734.26       | 3222.79      | 1764717.97           | 14418094.42           | 39°42'2.9069"N | 80°33'29.0559"W | 3305.38              | 102.835            | 6.10             |
| 7788.00    | 24.300             | 77.310         | 6901.34     | -2885.82          | -731.44       | 3261.77      | 1764756.93           | 14418097.24           | 39°42'2.9329"N | 80°33'28.5570"W | 3342.77              | 102.639            | 8.66             |
| 7879.00    | 24.350             | 56.550         | 6984.41     | -2900.83          | -716.96       | 3295.75      | 1764790.90           | 14418111.72           | 39°42'3.0743"N | 80°33'28.1213"W | 3372.83              | 102.273            | 9.35             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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| REFERENCE WELLPATH IDENTIFICATION |                             |          |                  |
|-----------------------------------|-----------------------------|----------|------------------|
| Operator                          | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field                             | Wetzel                      | API      | 47103036440000   |
| Facility                          | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot                              | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 7973.00    | 25.090             | 39.050         | 7069.91     | -2904.03          | -690.77       | 3324.51      | 1764819.65           | 14418137.90           | 39°42'3.3318"N  | 80°33'27.7517"W | 3395.52              | 101.738            | 7.80             |
| 8065.00    | 28.930             | 23.470         | 7151.97     | -2895.27          | -655.15       | 3345.70      | 1764840.83           | 14418173.50           | 39°42'3.6828"N  | 80°33'27.4784"W | 3409.24              | 101.079            | 8.72             |
| 8157.00    | 33.960             | 10.830         | 7230.51     | -2874.15          | -609.42       | 3359.41      | 1764854.54           | 14418219.22           | 39°42'4.1340"N  | 80°33'27.3000"W | 3414.24              | 100.282            | 8.99             |
| 8249.00    | 38.930             | 356.000        | 7304.64     | -2839.28          | -555.21       | 3362.23      | 1764857.36           | 14418273.41           | 39°42'4.6697"N  | 80°33'27.2605"W | 3407.76              | 99.377             | 10.96            |
| 8340.00    | 44.520             | 346.370        | 7372.61     | -2791.87          | -495.57       | 3352.70      | 1764847.83           | 14418333.02           | 39°42'5.2595"N  | 80°33'27.3787"W | 3389.13              | 98.408             | 9.33             |
| 8432.00    | 50.700             | 340.440        | 7434.63     | -2733.08          | -430.59       | 3333.16      | 1764828.29           | 14418397.98           | 39°42'5.9026"N  | 80°33'27.6247"W | 3360.85              | 97.361             | 8.23             |
| 8524.00    | 57.370             | 334.320        | 7488.66     | -2665.31          | -362.01       | 3304.40      | 1764799.55           | 14418466.53           | 39°42'6.5817"N  | 80°33'27.9883"W | 3324.17              | 96.252             | 9.03             |
| 8616.00    | 64.390             | 329.860        | 7533.42     | -2589.42          | -291.11       | 3266.72      | 1764761.88           | 14418537.40           | 39°42'7.2843"N  | 80°33'28.4658"W | 3279.67              | 95.092             | 8.72             |
| 8707.00    | 71.620             | 325.150        | 7567.50     | -2507.82          | -220.07       | 3221.37      | 1764716.54           | 14418608.42           | 39°42'7.9886"N  | 80°33'29.0417"W | 3228.87              | 93.908             | 9.28             |
| 8799.00    | 78.790             | 319.860        | 7590.99     | -2420.18          | -149.61       | 3167.23      | 1764662.43           | 14418678.85           | 39°42'8.6876"N  | 80°33'29.7299"W | 3170.76              | 92.704             | 9.57             |
| 8891.00    | 85.410             | 315.640        | 7603.64     | -2329.44          | -82.23        | 3105.98      | 1764601.21           | 14418746.21           | 39°42'9.3565"N  | 80°33'30.5092"W | 3107.07              | 91.516             | 8.51             |
| 8983.00    | 90.400             | 313.520        | 7607.00     | -2237.58          | -17.72        | 3040.52      | 1764535.77           | 14418810.69           | 39°42'9.9971"N  | 80°33'31.3427"W | 3040.57              | 90.334             | 5.89             |
| 9074.00    | 90.520             | 313.420        | 7606.27     | -2146.58          | 44.88         | 2974.48      | 1764469.76           | 14418873.27           | 39°42'10.6190"N | 80°33'32.1836"W | 2974.82              | 89.135             | 0.17             |
| 9166.00    | 90.400             | 313.710        | 7605.53     | -2054.59          | 108.29        | 2907.82      | 1764403.12           | 14418936.65           | 39°42'11.2489"N | 80°33'33.0325"W | 2909.84              | 87.867             | 0.34             |
| 9258.00    | 90.430             | 313.640        | 7604.86     | -1962.60          | 171.82        | 2841.28      | 1764336.61           | 14419000.15           | 39°42'11.8799"N | 80°33'33.8798"W | 2846.47              | 86.539             | 0.08             |
| 9349.00    | 90.370             | 313.170        | 7604.23     | -1871.61          | 234.35        | 2775.17      | 1764270.52           | 14419062.66           | 39°42'12.5011"N | 80°33'34.7218"W | 2785.05              | 85.173             | 0.52             |
| 9441.00    | 90.460             | 313.280        | 7603.56     | -1779.61          | 297.35        | 2708.13      | 1764203.51           | 14419125.64           | 39°42'13.1270"N | 80°33'35.5755"W | 2724.41              | 83.734             | 0.15             |
| 9533.00    | 90.030             | 313.430        | 7603.17     | -1687.61          | 360.51        | 2641.24      | 1764136.64           | 14419188.77           | 39°42'13.7545"N | 80°33'36.4274"W | 2665.73              | 82.228             | 0.50             |
| 9625.00    | 90.990             | 314.480        | 7602.35     | -1595.64          | 424.36        | 2575.02      | 1764070.44           | 14419252.60           | 39°42'14.3887"N | 80°33'37.2707"W | 2609.75              | 80.642             | 1.55             |
| 9716.00    | 90.620             | 314.500        | 7601.07     | -1504.68          | 488.13        | 2510.11      | 1764005.56           | 14419316.34           | 39°42'15.0220"N | 80°33'38.0972"W | 2557.13              | 78.995             | 0.41             |
| 9808.00    | 90.800             | 314.150        | 7599.93     | -1412.71          | 552.41        | 2444.29      | 1763939.77           | 14419380.59           | 39°42'15.6604"N | 80°33'38.9352"W | 2505.94              | 77.265             | 0.43             |
| 9900.00    | 90.860             | 313.830        | 7598.60     | -1320.74          | 616.30        | 2378.11      | 1763873.62           | 14419444.46           | 39°42'16.2950"N | 80°33'39.7779"W | 2456.67              | 75.471             | 0.35             |
| 9992.00    | 90.800             | 313.430        | 7597.27     | -1228.75          | 679.77        | 2311.53      | 1763807.06           | 14419507.91           | 39°42'16.9256"N | 80°33'40.6259"W | 2409.41              | 73.613             | 0.44             |
| 10084.00   | 90.950             | 313.570        | 7595.86     | -1136.77          | 743.09        | 2244.80      | 1763740.36           | 14419571.20           | 39°42'17.5546"N | 80°33'41.4756"W | 2364.60              | 71.684             | 0.22             |
| 10175.00   | 90.950             | 313.780        | 7594.35     | -1045.99          | 805.92        | 2178.99      | 1763674.57           | 14419634.01           | 39°42'18.1787"N | 80°33'42.3137"W | 2323.26              | 69.703             | 0.23             |
| 10267.00   | 90.860             | 313.790        | 7592.90     | -953.81           | 869.58        | 2112.58      | 1763608.19           | 14419697.64           | 39°42'18.8110"N | 80°33'43.1594"W | 2284.55              | 67.627             | 0.10             |
| 10359.00   | 90.650             | 313.540        | 7591.69     | -861.82           | 933.09        | 2046.04      | 1763541.67           | 14419761.13           | 39°42'19.4419"N | 80°33'44.0069"W | 2248.76              | 65.485             | 0.35             |
| 10450.00   | 90.770             | 313.370        | 7590.56     | -770.83           | 995.67        | 1979.98      | 1763475.64           | 14419823.69           | 39°42'20.0636"N | 80°33'44.8481"W | 2216.24              | 63.304             | 0.23             |
| 10542.00   | 91.140             | 313.810        | 7589.03     | -678.85           | 1059.10       | 1913.36      | 1763409.04           | 14419887.09           | 39°42'20.6936"N | 80°33'45.6966"W | 2186.92              | 61.034             | 0.62             |
| 10633.00   | 90.890             | 313.540        | 7587.41     | -587.87           | 1121.93       | 1847.55      | 1763343.26           | 14419949.90           | 39°42'21.3177"N | 80°33'46.5347"W | 2161.52              | 58.732             | 0.40             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 10725.00   | 91.020             | 313.860        | 7585.88     | -495.90           | 1185.48       | 1781.05      | 1763276.78           | 14420013.43           | 39°42'21.9490"N | 80°33'47.3816"W | 2139.51              | 56.352             | 0.38             |
| 10817.00   | 90.680             | 313.810        | 7584.52     | -403.92           | 1249.19       | 1714.89      | 1763210.45           | 14420077.11           | 39°42'22.5818"N | 80°33'48.2266"W | 2121.47              | 53.926             | 0.37             |
| 10909.00   | 90.620             | 313.580        | 7583.47     | -311.93           | 1312.74       | 1648.18      | 1763143.96           | 14420140.64           | 39°42'23.2130"N | 80°33'49.0737"W | 2107.08              | 51.463             | 0.26             |
| 11000.00   | 90.520             | 313.730        | 7582.57     | -220.94           | 1375.56       | 1582.34      | 1763078.15           | 14420203.43           | 39°42'23.8370"N | 80°33'49.9122"W | 2096.66              | 48.999             | 0.20             |
| 11092.00   | 90.710             | 313.890        | 7581.58     | -128.96           | 1439.24       | 1515.95      | 1763011.79           | 14420267.09           | 39°42'24.4696"N | 80°33'50.7576"W | 2090.35              | 46.487             | 0.27             |
| 11184.00   | 90.650             | 313.830        | 7580.49     | -36.98            | 1502.99       | 1449.62      | 1762945.49           | 14420330.81           | 39°42'25.1027"N | 80°33'51.6024"W | 2088.15              | 43.965             | 0.09             |
| 11276.00   | 90.460             | 313.530        | 7579.60     | 55.01             | 1566.52       | 1383.09      | 1762878.98           | 14420394.32           | 39°42'25.7338"N | 80°33'52.4497"W | 2089.72              | 41.442             | 0.39             |
| 11368.00   | 90.710             | 313.790        | 7578.66     | 147.00            | 1630.03       | 1316.54      | 1762812.45           | 14420457.80           | 39°42'26.3646"N | 80°33'53.2973"W | 2095.30              | 38.927             | 0.39             |
| 11460.00   | 90.490             | 313.660        | 7577.69     | 238.99            | 1693.62       | 1250.06      | 1762746.00           | 14420521.37           | 39°42'26.9962"N | 80°33'54.1440"W | 2104.99              | 36.431             | 0.28             |
| 11551.00   | 90.770             | 313.540        | 7576.69     | 329.98            | 1756.37       | 1184.16      | 1762680.13           | 14420584.09           | 39°42'27.6195"N | 80°33'54.9832"W | 2118.27              | 33.988             | 0.33             |
| 11643.00   | 90.710             | 313.460        | 7575.50     | 421.96            | 1819.69       | 1117.43      | 1762613.42           | 14420647.39           | 39°42'28.2485"N | 80°33'55.8331"W | 2135.40              | 31.553             | 0.11             |
| 11735.00   | 90.620             | 313.840        | 7574.44     | 513.95            | 1883.19       | 1050.87      | 1762546.88           | 14420710.87           | 39°42'28.8793"N | 80°33'56.6809"W | 2156.56              | 29.163             | 0.42             |
| 11826.00   | 90.580             | 312.460        | 7573.48     | 604.94            | 1945.42       | 984.48       | 1762480.52           | 14420773.07           | 39°42'29.4975"N | 80°33'57.5264"W | 2180.34              | 26.842             | 1.52             |
| 11918.00   | 90.620             | 312.550        | 7572.52     | 696.93            | 2007.58       | 916.66       | 1762412.73           | 14420835.21           | 39°42'30.1150"N | 80°33'58.3903"W | 2206.96              | 24.541             | 0.11             |
| 12010.00   | 90.620             | 312.590        | 7571.52     | 788.93            | 2069.81       | 848.91       | 1762345.01           | 14420897.42           | 39°42'30.7332"N | 80°33'59.2534"W | 2237.14              | 22.300             | 0.04             |
| 12102.00   | 90.680             | 312.770        | 7570.48     | 880.92            | 2132.18       | 781.28       | 1762277.40           | 14420959.76           | 39°42'31.3528"N | 80°34'0.1148"W  | 2270.81              | 20.124             | 0.21             |
| 12194.00   | 90.430             | 312.650        | 7569.59     | 972.92            | 2194.58       | 713.69       | 1762209.83           | 14421022.13           | 39°42'31.9727"N | 80°34'0.9759"W  | 2307.71              | 18.015             | 0.30             |
| 12285.00   | 90.740             | 312.750        | 7568.66     | 1063.91           | 2256.29       | 646.81       | 1762142.98           | 14421083.82           | 39°42'32.5857"N | 80°34'1.8278"W  | 2347.17              | 15.996             | 0.36             |
| 12377.00   | 90.430             | 312.070        | 7567.72     | 1155.90           | 2318.33       | 578.89       | 1762075.09           | 14421145.84           | 39°42'33.2021"N | 80°34'2.6931"W  | 2389.51              | 14.020             | 0.81             |
| 12469.00   | 90.710             | 313.120        | 7566.81     | 1247.89           | 2380.59       | 511.17       | 1762007.39           | 14421208.08           | 39°42'33.8207"N | 80°34'3.5557"W  | 2434.85              | 12.119             | 1.18             |
| 12561.00   | 90.770             | 312.720        | 7565.62     | 1339.88           | 2443.24       | 443.80       | 1761940.05           | 14421270.70           | 39°42'34.4430"N | 80°34'4.4139"W  | 2483.22              | 10.295             | 0.44             |
| 12653.00   | 90.620             | 312.660        | 7564.50     | 1431.88           | 2505.61       | 376.18       | 1761872.46           | 14421333.05           | 39°42'35.0626"N | 80°34'5.2752"W  | 2533.69              | 8.538              | 0.18             |
| 12744.00   | 90.370             | 312.250        | 7563.72     | 1522.87           | 2567.04       | 309.05       | 1761805.35           | 14421394.45           | 39°42'35.6729"N | 80°34'6.1305"W  | 2585.57              | 6.865              | 0.53             |
| 12836.00   | 90.280             | 311.160        | 7563.19     | 1614.84           | 2628.24       | 240.36       | 1761736.69           | 14421455.63           | 39°42'36.2810"N | 80°34'7.0056"W  | 2639.21              | 5.225              | 1.19             |
| 12928.00   | 90.580             | 312.450        | 7562.50     | 1706.82           | 2689.56       | 171.79       | 1761668.14           | 14421516.93           | 39°42'36.8903"N | 80°34'7.8792"W  | 2695.04              | 3.655              | 1.44             |
| 13020.00   | 90.980             | 312.330        | 7561.25     | 1798.81           | 2751.58       | 103.84       | 1761600.22           | 14421578.92           | 39°42'37.5064"N | 80°34'8.7448"W  | 2753.54              | 2.161              | 0.45             |
| 13112.00   | 91.200             | 312.750        | 7559.50     | 1890.79           | 2813.77       | 36.07        | 1761532.48           | 14421641.09           | 39°42'38.1243"N | 80°34'9.6082"W  | 2814.00              | 0.734              | 0.52             |
| 13203.00   | 90.860             | 312.490        | 7557.86     | 1981.77           | 2875.38       | -30.88       | 1761465.55           | 14421702.67           | 39°42'38.7363"N | 80°34'10.4611"W | 2875.55              | 359.385            | 0.47             |
| 13295.00   | 90.860             | 312.860        | 7556.48     | 2073.76           | 2937.74       | -98.51       | 1761397.95           | 14421765.00           | 39°42'39.3557"N | 80°34'11.3227"W | 2939.39              | 358.079            | 0.40             |
| 13387.00   | 90.860             | 312.700        | 7555.10     | 2165.75           | 3000.21       | -166.03      | 1761330.45           | 14421827.46           | 39°42'39.9764"N | 80°34'12.1828"W | 3004.80              | 356.833            | 0.17             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 13479.00   | 91.020             | 312.620        | 7553.59     | 2257.74           | 3062.55       | -233.68      | 1761262.83           | 14421889.77           | 39°42'40.5956"N | 80°34'13.0445"W | 3071.45              | 355.637            | 0.19             |
| 13570.00   | 90.890             | 312.830        | 7552.08     | 2348.72           | 3124.28       | -300.52      | 1761196.02           | 14421951.48           | 39°42'41.2089"N | 80°34'13.8960"W | 3138.70              | 354.506            | 0.27             |
| 13662.00   | 90.890             | 312.630        | 7550.65     | 2440.71           | 3186.70       | -368.09      | 1761128.47           | 14422013.87           | 39°42'41.8290"N | 80°34'14.7568"W | 3207.89              | 353.411            | 0.22             |
| 13754.00   | 91.050             | 312.660        | 7549.09     | 2532.70           | 3249.02       | -435.75      | 1761060.84           | 14422076.17           | 39°42'42.4480"N | 80°34'15.6188"W | 3278.11              | 352.361            | 0.18             |
| 13846.00   | 90.890             | 312.530        | 7547.53     | 2624.68           | 3311.27       | -503.47      | 1760993.15           | 14422138.40           | 39°42'43.0665"N | 80°34'16.4815"W | 3349.33              | 351.355            | 0.22             |
| 13938.00   | 90.830             | 312.850        | 7546.15     | 2716.67           | 3373.65       | -571.08      | 1760925.56           | 14422200.75           | 39°42'43.6861"N | 80°34'17.3429"W | 3421.64              | 350.392            | 0.35             |
| 14029.00   | 90.830             | 312.890        | 7544.83     | 2807.66           | 3435.55       | -637.77      | 1760858.90           | 14422262.63           | 39°42'44.3010"N | 80°34'18.1924"W | 3494.25              | 349.483            | 0.04             |
| 14121.00   | 90.740             | 312.540        | 7543.57     | 2899.65           | 3497.95       | -705.36      | 1760791.33           | 14422325.01           | 39°42'44.9209"N | 80°34'19.0535"W | 3568.36              | 348.599            | 0.39             |
| 14213.00   | 90.890             | 312.470        | 7542.27     | 2991.64           | 3560.11       | -773.18      | 1760723.54           | 14422387.14           | 39°42'45.5384"N | 80°34'19.9175"W | 3643.10              | 347.747            | 0.18             |
| 14305.00   | 90.830             | 312.810        | 7540.88     | 3083.63           | 3622.42       | -840.85      | 1760655.90           | 14422449.42           | 39°42'46.1574"N | 80°34'20.7796"W | 3718.73              | 346.932            | 0.38             |
| 14396.00   | 90.770             | 312.530        | 7539.61     | 3174.62           | 3684.09       | -907.75      | 1760589.02           | 14422511.07           | 39°42'46.7700"N | 80°34'21.6319"W | 3794.28              | 346.158            | 0.31             |
| 14488.00   | 90.490             | 312.670        | 7538.60     | 3266.61           | 3746.36       | -975.47      | 1760521.33           | 14422573.32           | 39°42'47.3886"N | 80°34'22.4946"W | 3871.27              | 345.406            | 0.34             |
| 14579.00   | 90.180             | 312.420        | 7538.07     | 3357.61           | 3807.89       | -1042.51     | 1760454.31           | 14422634.82           | 39°42'47.9998"N | 80°34'23.3487"W | 3948.02              | 344.689            | 0.44             |
| 14671.00   | 90.060             | 312.280        | 7537.88     | 3449.60           | 3869.87       | -1110.50     | 1760386.35           | 14422696.78           | 39°42'48.6155"N | 80°34'24.2150"W | 4026.05              | 343.989            | 0.20             |
| 14763.00   | 90.580             | 312.540        | 7537.36     | 3541.60           | 3931.91       | -1178.43     | 1760318.45           | 14422758.80           | 39°42'49.2319"N | 80°34'25.0804"W | 4104.71              | 343.316            | 0.63             |
| 14854.00   | 90.400             | 312.750        | 7536.59     | 3632.59           | 3993.56       | -1245.36     | 1760251.54           | 14422820.42           | 39°42'49.8442"N | 80°34'25.9332"W | 4183.23              | 342.680            | 0.30             |
| 14946.00   | 90.430             | 312.730        | 7535.92     | 3724.59           | 4056.00       | -1312.93     | 1760184.00           | 14422882.83           | 39°42'50.4645"N | 80°34'26.7940"W | 4263.20              | 342.063            | 0.04             |
| 15038.00   | 90.490             | 312.500        | 7535.18     | 3816.58           | 4118.28       | -1380.63     | 1760116.32           | 14422945.10           | 39°42'51.0832"N | 80°34'27.6565"W | 4343.55              | 341.467            | 0.26             |
| 15129.00   | 90.520             | 312.850        | 7534.38     | 3907.58           | 4179.96       | -1447.53     | 1760049.45           | 14423006.75           | 39°42'51.6959"N | 80°34'28.5089"W | 4423.51              | 340.899            | 0.39             |
| 15221.00   | 90.430             | 312.610        | 7533.62     | 3999.57           | 4242.39       | -1515.11     | 1759981.90           | 14423069.15           | 39°42'52.3160"N | 80°34'29.3698"W | 4504.82              | 340.347            | 0.28             |
| 15313.00   | 90.400             | 312.970        | 7532.95     | 4091.57           | 4304.88       | -1582.62     | 1759914.41           | 14423131.62           | 39°42'52.9368"N | 80°34'30.2299"W | 4586.58              | 339.815            | 0.39             |
| 15405.00   | 90.460             | 312.720        | 7532.26     | 4183.57           | 4367.44       | -1650.07     | 1759846.98           | 14423194.16           | 39°42'53.5582"N | 80°34'31.0893"W | 4668.76              | 339.303            | 0.28             |
| 15496.00   | 90.280             | 312.330        | 7531.67     | 4274.56           | 4428.95       | -1717.14     | 1759779.95           | 14423255.64           | 39°42'54.1692"N | 80°34'31.9438"W | 4750.17              | 338.808            | 0.47             |
| 15588.00   | 90.520             | 312.450        | 7531.03     | 4366.56           | 4490.97       | -1785.08     | 1759712.02           | 14423317.64           | 39°42'54.7853"N | 80°34'32.8095"W | 4832.74              | 338.323            | 0.29             |
| 15680.00   | 90.550             | 312.670        | 7530.17     | 4458.55           | 4553.19       | -1852.84     | 1759644.29           | 14423379.84           | 39°42'55.4034"N | 80°34'33.6728"W | 4915.75              | 337.857            | 0.24             |
| 15771.00   | 90.580             | 312.790        | 7529.27     | 4549.55           | 4614.94       | -1919.69     | 1759577.47           | 14423441.56           | 39°42'56.0167"N | 80°34'34.5244"W | 4998.29              | 337.414            | 0.14             |
| 15863.00   | 90.220             | 312.820        | 7528.63     | 4641.54           | 4677.45       | -1987.18     | 1759510.00           | 14423504.05           | 39°42'56.6377"N | 80°34'35.3844"W | 5082.07              | 336.982            | 0.39             |
| 15955.00   | 90.340             | 312.630        | 7528.18     | 4733.54           | 4739.87       | -2054.77     | 1759442.45           | 14423566.45           | 39°42'57.2577"N | 80°34'36.2454"W | 5166.09              | 336.563            | 0.24             |
| 16047.00   | 90.280             | 312.560        | 7527.68     | 4825.54           | 4802.14       | -2122.49     | 1759374.75           | 14423628.69           | 39°42'57.8762"N | 80°34'37.1083"W | 5250.28              | 336.155            | 0.10             |
| 16138.00   | 90.400             | 312.440        | 7527.14     | 4916.53           | 4863.61       | -2189.58     | 1759307.68           | 14423690.14           | 39°42'58.4869"N | 80°34'37.9632"W | 5333.76              | 335.763            | 0.19             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 16229.00   | 90.250             | 312.630        | 7526.63     | 5007.53           | 4925.13       | -2256.64     | 1759240.65           | 14423751.64           | 39°42'59.0980"N | 80°34'38.8175"W | 5417.50              | 335.383            | 0.27             |
| 16321.00   | 90.520             | 312.880        | 7526.01     | 5099.53           | 4987.59       | -2324.19     | 1759173.13           | 14423814.07           | 39°42'59.7184"N | 80°34'39.6782"W | 5502.53              | 335.015            | 0.40             |
| 16413.00   | 90.150             | 312.230        | 7525.47     | 5191.52           | 5049.81       | -2391.95     | 1759105.39           | 14423876.26           | 39°43'0.3364"N  | 80°34'40.5417"W | 5587.66              | 334.654            | 0.81             |
| 16505.00   | 89.880             | 312.630        | 7525.45     | 5283.52           | 5111.88       | -2459.86     | 1759037.51           | 14423938.31           | 39°43'0.9530"N  | 80°34'41.4069"W | 5672.93              | 334.303            | 0.52             |
| 16596.00   | 90.430             | 312.720        | 7525.20     | 5374.52           | 5173.56       | -2526.76     | 1758970.63           | 14423999.97           | 39°43'1.5657"N  | 80°34'42.2593"W | 5757.63              | 333.969            | 0.61             |
| 16688.00   | 90.680             | 312.430        | 7524.31     | 5466.51           | 5235.80       | -2594.51     | 1758902.91           | 14424062.18           | 39°43'2.1839"N  | 80°34'43.1225"W | 5843.38              | 333.640            | 0.42             |
| 16779.00   | 90.770             | 312.570        | 7523.16     | 5557.50           | 5297.27       | -2661.60     | 1758835.85           | 14424123.63           | 39°43'2.7946"N  | 80°34'43.9773"W | 5928.34              | 333.323            | 0.18             |
| 16871.00   | 91.080             | 312.730        | 7521.67     | 5649.49           | 5359.60       | -2729.25     | 1758768.22           | 14424185.93           | 39°43'3.4137"N  | 80°34'44.8394"W | 6014.49              | 333.014            | 0.38             |
| 16963.00   | 90.920             | 312.420        | 7520.07     | 5741.47           | 5421.83       | -2796.99     | 1758700.51           | 14424248.14           | 39°43'4.0318"N  | 80°34'45.7025"W | 6100.77              | 332.712            | 0.38             |
| 17054.00   | 90.710             | 311.270        | 7518.77     | 5832.44           | 5482.53       | -2864.77     | 1758632.75           | 14424308.82           | 39°43'4.6349"N  | 80°34'46.5662"W | 6185.88              | 332.412            | 1.28             |
| 17146.00   | 90.950             | 312.780        | 7517.44     | 5924.42           | 5544.11       | -2933.11     | 1758564.44           | 14424370.38           | 39°43'5.2466"N  | 80°34'47.4370"W | 6272.18              | 332.119            | 1.66             |
| 17238.00   | 91.050             | 312.680        | 7515.83     | 6016.40           | 5606.53       | -3000.68     | 1758496.90           | 14424432.77           | 39°43'5.8666"N  | 80°34'48.2980"W | 6359.03              | 331.844            | 0.15             |
| 17330.00   | 91.170             | 312.970        | 7514.05     | 6108.39           | 5669.05       | -3068.14     | 1758429.46           | 14424495.27           | 39°43'6.4876"N  | 80°34'49.1575"W | 6446.06              | 331.577            | 0.34             |
| 17421.00   | 90.150             | 312.580        | 7513.00     | 6199.38           | 5730.85       | -3134.93     | 1758362.70           | 14424557.04           | 39°43'7.1014"N  | 80°34'50.0086"W | 6532.26              | 331.320            | 1.20             |
| 17513.00   | 90.220             | 312.930        | 7512.71     | 6291.38           | 5793.30       | -3202.48     | 1758295.17           | 14424619.47           | 39°43'7.7218"N  | 80°34'50.8693"W | 6619.54              | 331.067            | 0.39             |
| 17605.00   | 90.150             | 312.450        | 7512.41     | 6383.38           | 5855.68       | -3270.10     | 1758227.58           | 14424681.83           | 39°43'8.3414"N  | 80°34'51.7310"W | 6706.91              | 330.819            | 0.53             |
| 17697.00   | 90.310             | 312.900        | 7512.04     | 6475.37           | 5918.04       | -3337.74     | 1758159.96           | 14424744.16           | 39°43'8.9608"N  | 80°34'52.5928"W | 6794.39              | 330.577            | 0.52             |
| 17789.00   | 90.120             | 312.030        | 7511.70     | 6567.37           | 5980.16       | -3405.61     | 1758092.12           | 14424806.25           | 39°43'9.5777"N  | 80°34'53.4576"W | 6881.89              | 330.339            | 0.97             |
| 17880.00   | 90.180             | 312.600        | 7511.46     | 6658.36           | 6041.42       | -3472.90     | 1758024.86           | 14424867.49           | 39°43'10.1863"N | 80°34'54.3151"W | 6968.48              | 330.108            | 0.63             |
| 17972.00   | 90.460             | 312.540        | 7510.94     | 6750.36           | 6103.65       | -3540.65     | 1757957.13           | 14424929.70           | 39°43'10.8045"N | 80°34'55.1784"W | 7056.26              | 329.888            | 0.31             |
| 18064.00   | 90.250             | 312.750        | 7510.37     | 6842.36           | 6165.98       | -3608.32     | 1757889.49           | 14424992.00           | 39°43'11.4235"N | 80°34'56.0407"W | 7144.18              | 329.664            | 0.32             |
| 18155.00   | 90.430             | 312.840        | 7509.83     | 6933.35           | 6227.80       | -3675.10     | 1757822.74           | 14425053.80           | 39°43'12.0376"N | 80°34'56.8915"W | 7231.31              | 329.455            | 0.22             |
| 18247.00   | 90.430             | 312.500        | 7509.14     | 7025.35           | 6290.15       | -3742.74     | 1757755.12           | 14425116.13           | 39°43'12.6569"N | 80°34'57.7535"W | 7319.43              | 329.247            | 0.37             |
| 18339.00   | 90.520             | 312.750        | 7508.38     | 7117.34           | 6352.45       | -3810.43     | 1757687.46           | 14425178.41           | 39°43'13.2757"N | 80°34'58.6160"W | 7407.63              | 329.043            | 0.29             |
| 18430.00   | 90.310             | 312.580        | 7507.72     | 7208.34           | 6414.12       | -3877.34     | 1757620.57           | 14425240.05           | 39°43'13.8882"N | 80°34'59.4687"W | 7494.98              | 328.847            | 0.30             |
| 18522.00   | 90.400             | 312.540        | 7507.15     | 7300.34           | 6476.35       | -3945.11     | 1757552.83           | 14425302.25           | 39°43'14.5063"N | 80°35'0.3322"W  | 7583.33              | 328.652            | 0.11             |
| 18614.00   | 90.460             | 312.790        | 7506.46     | 7392.33           | 6538.69       | -4012.75     | 1757485.21           | 14425364.58           | 39°43'15.1256"N | 80°35'1.1942"W  | 7671.81              | 328.463            | 0.28             |
| 18705.00   | 90.620             | 312.850        | 7505.60     | 7483.33           | 6600.54       | -4079.50     | 1757418.49           | 14425426.40           | 39°43'15.7399"N | 80°35'2.0447"W  | 7759.48              | 328.282            | 0.19             |
| 18797.00   | 90.370             | 313.180        | 7504.81     | 7575.33           | 6663.30       | -4146.76     | 1757351.25           | 14425489.14           | 39°43'16.3632"N | 80°35'2.9018"W  | 7848.27              | 328.105            | 0.45             |
| 18889.00   | 90.400             | 312.650        | 7504.19     | 7667.32           | 6725.95       | -4214.14     | 1757283.90           | 14425551.75           | 39°43'16.9853"N | 80°35'3.7604"W  | 7937.09              | 327.931            | 0.58             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 18980.00   | 90.740             | 312.960        | 7503.28     | 7758.32           | 6787.78       | -4280.90     | 1757217.17           | 14425613.56           | 39°43'17.5995"N | 80°35'4.6111"W  | 8024.96              | 327.761            | 0.51             |
| 19072.00   | 90.460             | 312.670        | 7502.32     | 7850.31           | 6850.30       | -4348.38     | 1757149.71           | 14425676.06           | 39°43'18.2204"N | 80°35'5.4710"W  | 8113.88              | 327.594            | 0.44             |
| 19164.00   | 90.400             | 312.380        | 7501.63     | 7942.31           | 6912.48       | -4416.18     | 1757081.94           | 14425738.22           | 39°43'18.8381"N | 80°35'6.3350"W  | 8202.75              | 327.427            | 0.32             |
| 19255.00   | 90.430             | 312.610        | 7500.97     | 8033.30           | 6973.95       | -4483.28     | 1757014.87           | 14425799.67           | 39°43'19.4486"N | 80°35'7.1900"W  | 8290.71              | 327.265            | 0.25             |
| 19347.00   | 90.460             | 312.870        | 7500.26     | 8125.30           | 7036.39       | -4550.85     | 1756947.33           | 14425862.08           | 39°43'20.0688"N | 80°35'8.0510"W  | 8379.80              | 327.107            | 0.28             |
| 19439.00   | 90.280             | 312.440        | 7499.66     | 8217.30           | 7098.73       | -4618.51     | 1756879.69           | 14425924.39           | 39°43'20.8879"N | 80°35'8.9132"W  | 8468.91              | 326.952            | 0.51             |
| 19531.00   | 90.680             | 312.450        | 7498.89     | 8309.29           | 7160.81       | -4686.39     | 1756811.83           | 14425986.45           | 39°43'21.3046"N | 80°35'9.7784"W  | 8558.01              | 326.797            | 0.43             |
| 19622.00   | 90.550             | 312.660        | 7497.92     | 8400.28           | 7222.35       | -4753.42     | 1756744.83           | 14426047.97           | 39°43'21.9158"N | 80°35'10.6326"W | 8646.24              | 326.649            | 0.27             |
| 19714.00   | 90.890             | 312.960        | 7496.76     | 8492.27           | 7284.87       | -4820.91     | 1756677.37           | 14426110.46           | 39°43'22.5367"N | 80°35'11.4926"W | 8735.58              | 326.505            | 0.49             |
| 19805.00   | 90.710             | 312.650        | 7495.49     | 8583.26           | 7346.70       | -4887.67     | 1756610.84           | 14426172.27           | 39°43'23.1508"N | 80°35'12.3433"W | 8824.01              | 326.365            | 0.39             |
| 19897.00   | 90.580             | 312.410        | 7494.45     | 8675.26           | 7408.88       | -4955.46     | 1756542.87           | 14426234.43           | 39°43'23.7684"N | 80°35'13.2072"W | 8913.37              | 326.223            | 0.30             |
| 19989.00   | 90.400             | 312.810        | 7493.67     | 8767.25           | 7471.16       | -5023.17     | 1756475.19           | 14426296.69           | 39°43'24.3870"N | 80°35'14.0701"W | 9002.80              | 326.085            | 0.48             |
| 20081.00   | 90.650             | 312.800        | 7492.82     | 8859.25           | 7533.68       | -5090.66     | 1756407.72           | 14426359.17           | 39°43'25.0079"N | 80°35'14.9302"W | 9092.36              | 325.952            | 0.27             |
| 20173.00   | 90.620             | 312.580        | 7491.80     | 8951.24           | 7596.05       | -5158.28     | 1756340.13           | 14426421.52           | 39°43'25.6274"N | 80°35'15.7919"W | 9181.93              | 325.821            | 0.24             |
| 20264.00   | 90.580             | 312.840        | 7490.85     | 9042.23           | 7657.77       | -5225.14     | 1756273.29           | 14426483.22           | 39°43'26.2404"N | 80°35'16.6440"W | 9270.58              | 325.693            | 0.29             |
| 20356.00   | 90.770             | 312.460        | 7489.77     | 9134.23           | 7720.10       | -5292.80     | 1756205.66           | 14426545.52           | 39°43'26.8594"N | 80°35'17.5063"W | 9360.22              | 325.566            | 0.46             |
| 20448.00   | 91.050             | 312.900        | 7488.31     | 9226.21           | 7782.46       | -5360.43     | 1756138.06           | 14426607.86           | 39°43'27.4788"N | 80°35'18.3681"W | 9449.91              | 325.442            | 0.57             |
| 20540.00   | 91.050             | 312.370        | 7486.62     | 9318.20           | 7844.76       | -5428.10     | 1756070.41           | 14426670.14           | 39°43'28.0976"N | 80°35'19.2305"W | 9539.63              | 325.319            | 0.58             |
| 20631.00   | 90.920             | 313.000        | 7485.06     | 9409.18           | 7906.45       | -5494.98     | 1756003.55           | 14426731.80           | 39°43'28.7102"N | 80°35'20.0829"W | 9628.43              | 325.201            | 0.71             |
| 20723.00   | 90.920             | 312.420        | 7483.58     | 9501.17           | 7968.84       | -5562.58     | 1755935.99           | 14426794.17           | 39°43'29.3299"N | 80°35'20.9443"W | 9718.26              | 325.083            | 0.63             |
| 20814.00   | 91.420             | 312.650        | 7481.72     | 9592.15           | 8030.35       | -5629.62     | 1755868.97           | 14426855.65           | 39°43'29.9408"N | 80°35'21.7987"W | 9807.09              | 324.968            | 0.60             |
| 20906.00   | 91.260             | 312.600        | 7479.57     | 9684.12           | 8092.63       | -5697.29     | 1755801.32           | 14426917.91           | 39°43'30.5594"N | 80°35'22.6612"W | 9896.96              | 324.854            | 0.18             |
| 20997.00   | 91.230             | 312.430        | 7477.59     | 9775.09           | 8154.11       | -5764.35     | 1755734.29           | 14426979.37           | 39°43'31.1701"N | 80°35'23.5158"W | 9985.86              | 324.743            | 0.19             |
| 21089.00   | 91.140             | 312.510        | 7475.69     | 9867.07           | 8216.22       | -5832.20     | 1755666.47           | 14427041.45           | 39°43'31.7869"N | 80°35'24.3805"W | 10075.75             | 324.631            | 0.13             |
| 21180.00   | 91.200             | 312.560        | 7473.83     | 9958.05           | 8277.73       | -5899.24     | 1755599.45           | 14427102.94           | 39°43'32.3978"N | 80°35'25.2349"W | 10164.73             | 324.524            | 0.09             |
| 21272.00   | 91.290             | 312.790        | 7471.83     | 10050.03          | 8340.07       | -5966.86     | 1755531.86           | 14427165.26           | 39°43'33.0170"N | 80°35'26.0968"W | 10254.77             | 324.418            | 0.27             |
| 21364.00   | 91.510             | 312.810        | 7469.58     | 10142.00          | 8402.56       | -6034.35     | 1755464.40           | 14427227.73           | 39°43'33.6376"N | 80°35'26.9568"W | 10344.87             | 324.316            | 0.24             |
| 21455.00   | 91.420             | 312.340        | 7467.26     | 10232.97          | 8464.11       | -6101.34     | 1755397.43           | 14427289.25           | 39°43'34.2489"N | 80°35'27.8106"W | 10433.96             | 324.214            | 0.53             |
| 21546.00   | 91.290             | 312.600        | 7465.11     | 10323.94          | 8525.53       | -6168.44     | 1755330.35           | 14427350.65           | 39°43'34.8589"N | 80°35'28.6658"W | 10523.04             | 324.113            | 0.32             |
| 21638.00   | 91.320             | 312.800        | 7463.01     | 10415.91          | 8587.91       | -6236.04     | 1755262.79           | 14427413.00           | 39°43'35.4784"N | 80°35'29.5273"W | 10613.21             | 324.015            | 0.22             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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| REFERENCE WELLPATH IDENTIFICATION |                             |          |                  |
|-----------------------------------|-----------------------------|----------|------------------|
| Operator                          | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field                             | Wetzel                      | API      | 47103036440000   |
| Facility                          | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot                              | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 21730.00   | 91.450             | 312.620        | 7460.79     | 10507.89          | 8650.29       | -8303.62     | 1755195.23           | 14427475.36           | 39°43'36.0980"N | 80°35'30.3886"W | 10703.42             | 323.919            | 0.24             |
| 21821.00   | 91.350             | 312.330        | 7458.56     | 10598.86          | 8711.72       | -8370.72     | 1755128.16           | 14427536.77           | 39°43'36.7081"N | 80°35'31.2438"W | 10792.60             | 323.823            | 0.34             |
| 21913.00   | 91.380             | 312.740        | 7456.37     | 10690.83          | 8773.90       | -8438.49     | 1755060.41           | 14427598.92           | 39°43'37.3256"N | 80°35'32.1076"W | 10882.81             | 323.728            | 0.45             |
| 22005.00   | 91.450             | 312.830        | 7454.10     | 10782.80          | 8836.37       | -8505.99     | 1754992.94           | 14427661.37           | 39°43'37.9461"N | 80°35'32.9679"W | 10973.12             | 323.637            | 0.12             |
| 22096.00   | 91.450             | 312.720        | 7451.80     | 10873.77          | 8898.15       | -8572.76     | 1754926.19           | 14427723.13           | 39°43'38.5596"N | 80°35'33.8189"W | 11062.48             | 323.548            | 0.12             |
| 22188.00   | 91.510             | 312.420        | 7449.42     | 10965.74          | 8960.37       | -8640.49     | 1754858.48           | 14427785.32           | 39°43'39.1775"N | 80°35'34.6822"W | 11152.78             | 323.458            | 0.33             |
| 22280.00   | 91.350             | 312.650        | 7447.12     | 11057.71          | 9022.55       | -8708.26     | 1754790.74           | 14427847.47           | 39°43'39.7950"N | 80°35'35.5459"W | 11243.09             | 323.369            | 0.30             |
| 22372.00   | 91.380             | 312.610        | 7444.93     | 11149.68          | 9084.84       | -8775.93     | 1754723.10           | 14427909.74           | 39°43'40.4137"N | 80°35'36.4084"W | 11333.47             | 323.283            | 0.05             |
| 22464.00   | 91.260             | 312.910        | 7442.81     | 11241.65          | 9147.28       | -8843.46     | 1754655.59           | 14427972.16           | 39°43'41.0338"N | 80°35'37.2691"W | 11423.91             | 323.198            | 0.35             |
| 22555.00   | 90.950             | 312.520        | 7441.06     | 11332.64          | 9209.00       | -8910.31     | 1754588.77           | 14428033.85           | 39°43'41.6467"N | 80°35'38.1211"W | 11513.39             | 323.116            | 0.55             |
| 22647.00   | 91.690             | 312.350        | 7438.94     | 11424.61          | 9271.06       | -8978.19     | 1754520.92           | 14428095.89           | 39°43'42.2631"N | 80°35'38.9863"W | 11603.78             | 323.032            | 0.83             |
| 22739.00   | 91.690             | 312.580        | 7436.23     | 11516.56          | 9333.15       | -7046.03     | 1754453.11           | 14428157.95           | 39°43'42.8797"N | 80°35'39.8510"W | 11694.19             | 322.949            | 0.25             |
| 22830.00   | 91.720             | 312.670        | 7433.52     | 11607.52          | 9394.74       | -7112.96     | 1754386.20           | 14428219.53           | 39°43'43.4915"N | 80°35'40.7040"W | 11783.69             | 322.870            | 0.10             |
| 22922.00   | 91.660             | 312.670        | 7430.81     | 11699.48          | 9457.07       | -7180.57     | 1754318.61           | 14428281.83           | 39°43'44.1105"N | 80°35'41.5658"W | 11874.21             | 322.791            | 0.07             |
| 23013.00   | 91.790             | 312.680        | 7428.07     | 11790.44          | 9518.73       | -7247.45     | 1754251.77           | 14428343.46           | 39°43'44.7228"N | 80°35'42.4182"W | 11963.76             | 322.715            | 0.14             |
| 23105.00   | 91.600             | 312.640        | 7425.35     | 11882.40          | 9581.04       | -7315.07     | 1754184.17           | 14428405.75           | 39°43'45.3416"N | 80°35'43.2801"W | 12054.32             | 322.638            | 0.21             |
| 23196.00   | 91.850             | 313.920        | 7422.61     | 11973.35          | 9643.40       | -7381.29     | 1754117.97           | 14428468.09           | 39°43'45.9608"N | 80°35'44.1241"W | 12144.08             | 322.569            | 1.43             |
| 23288.00   | 91.850             | 313.780        | 7419.64     | 12065.29          | 9707.10       | -7447.60     | 1754051.69           | 14428531.76           | 39°43'46.5933"N | 80°35'44.9691"W | 12234.98             | 322.503            | 0.15             |
| 23379.00   | 91.660             | 313.490        | 7416.85     | 12156.24          | 9769.87       | -7513.43     | 1753985.88           | 14428594.51           | 39°43'47.2166"N | 80°35'45.8081"W | 12324.85             | 322.438            | 0.38             |
| 23471.00   | 91.790             | 313.900        | 7414.08     | 12248.19          | 9833.40       | -7579.92     | 1753919.42           | 14428658.01           | 39°43'47.8473"N | 80°35'46.6554"W | 12415.75             | 322.374            | 0.47             |
| 23562.00   | 91.820             | 313.660        | 7411.21     | 12339.14          | 9896.33       | -7645.59     | 1753853.78           | 14428720.91           | 39°43'48.4722"N | 80°35'47.4923"W | 12505.69             | 322.311            | 0.27             |
| 23654.00   | 91.790             | 314.130        | 7408.32     | 12431.08          | 9960.08       | -7711.85     | 1753787.54           | 14428784.64           | 39°43'49.1052"N | 80°35'48.3367"W | 12596.66             | 322.250            | 0.51             |
| 23746.00   | 91.820             | 313.730        | 7405.42     | 12523.02          | 10023.88      | -7778.08     | 1753721.34           | 14428848.42           | 39°43'49.7386"N | 80°35'49.1807"W | 12687.66             | 322.190            | 0.44             |
| 23837.00   | 91.690             | 313.670        | 7402.63     | 12613.97          | 10086.72      | -7843.84     | 1753655.60           | 14428911.23           | 39°43'50.3626"N | 80°35'50.0188"W | 12777.62             | 322.130            | 0.16             |
| 23929.00   | 91.910             | 313.860        | 7399.74     | 12705.92          | 10150.32      | -7910.24     | 1753589.22           | 14428974.81           | 39°43'50.9941"N | 80°35'50.8651"W | 12868.61             | 322.070            | 0.32             |
| 24021.00   | 92.120             | 313.780        | 7396.51     | 12797.85          | 10213.98      | -7976.58     | 1753522.91           | 14429038.45           | 39°43'51.6262"N | 80°35'51.7105"W | 12959.60             | 322.012            | 0.24             |
| 24112.00   | 91.970             | 313.750        | 7393.26     | 12888.78          | 10276.89      | -8042.26     | 1753457.26           | 14429101.33           | 39°43'52.2508"N | 80°35'52.5475"W | 13049.61             | 321.955            | 0.17             |
| 24204.00   | 92.000             | 313.720        | 7390.07     | 12980.72          | 10340.45      | -8108.69     | 1753390.85           | 14429164.87           | 39°43'52.8819"N | 80°35'53.3942"W | 13140.62             | 321.897            | 0.05             |
| 24295.00   | 92.030             | 313.870        | 7386.87     | 13071.65          | 10403.39      | -8174.34     | 1753325.23           | 14429227.79           | 39°43'53.5068"N | 80°35'54.2308"W | 13230.66             | 321.842            | 0.17             |
| 24387.00   | 91.790             | 313.630        | 7383.81     | 13163.59          | 10466.98      | -8240.76     | 1753258.83           | 14429291.34           | 39°43'54.1382"N | 80°35'55.0773"W | 13321.70             | 321.786            | 0.37             |

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## WELLPATH DATA (321 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>["/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|
| 24479.00   | 92.190             | 313.820        | 7380.61     | 13255.53          | 10530.53      | -8307.20     | 1753192.42           | 14429354.87           | 39°43'54.7692"N | 80°35'55.9242"W | 13412.74             | 321.731            | 0.48             |
| 24571.00   | 92.160             | 313.920        | 7377.12     | 13347.45          | 10594.24      | -8373.48     | 1753126.16           | 14429418.56           | 39°43'55.4017"N | 80°35'56.7688"W | 13503.82             | 321.678            | 0.11             |
| 24663.00   | 91.910             | 313.960        | 7373.85     | 13439.38          | 10658.04      | -8439.69     | 1753059.99           | 14429482.33           | 39°43'56.0352"N | 80°35'57.8126"W | 13594.93             | 321.626            | 0.28             |
| 24754.00   | 92.190             | 313.800        | 7370.60     | 13530.31          | 10721.08      | -8505.24     | 1752994.46           | 14429545.35           | 39°43'56.6610"N | 80°35'58.4480"W | 13685.05             | 321.574            | 0.35             |
| 24846.00   | 92.190             | 313.460        | 7367.08     | 13622.23          | 10784.51      | -8571.78     | 1752927.94           | 14429608.75           | 39°43'57.2909"N | 80°35'59.2961"W | 13776.10             | 321.522            | 0.37             |
| 24937.00   | 92.370             | 313.920        | 7363.46     | 13713.15          | 10847.32      | -8637.53     | 1752862.22           | 14429671.54           | 39°43'57.9145"N | 80°36'0.1341"W  | 13866.19             | 321.470            | 0.54             |
| 25029.00   | 92.090             | 313.780        | 7359.88     | 13805.07          | 10911.00      | -8703.82     | 1752795.95           | 14429735.20           | 39°43'58.5468"N | 80°36'0.9790"W  | 13957.31             | 321.420            | 0.34             |
| 25121.00   | 92.030             | 313.780        | 7356.57     | 13897.00          | 10974.62      | -8770.20     | 1752729.60           | 14429798.79           | 39°43'59.1784"N | 80°36'1.8250"W  | 14048.44             | 321.370            | 0.07             |
| 25212.00   | 92.220             | 313.730        | 7353.20     | 13987.93          | 11037.51      | -8835.89     | 1752663.94           | 14429861.66           | 39°43'59.8028"N | 80°36'2.6622"W  | 14138.58             | 321.322            | 0.22             |
| 25304.00   | 92.060             | 314.110        | 7349.77     | 14079.85          | 11101.28      | -8902.11     | 1752597.74           | 14429925.40           | 39°44'0.4360"N  | 80°36'3.5062"W  | 14229.76             | 321.274            | 0.45             |
| 25402.00   | 92.030             | 314.030        | 7346.27     | 14177.77          | 11169.40      | -8972.48     | 1752527.40           | 14429993.50           | 39°44'1.1123"N  | 80°36'4.4030"W  | 14326.93             | 321.225            | 0.09             |
| 25496.00   | 92.150             | 313.820        | 7342.84     | 14271.70          | 11234.56      | -9040.14     | 1752459.77           | 14430058.64           | 39°44'1.7593"N  | 80°36'5.2653"W  | 14420.11             | 321.177            | 0.26             |
| 25590.00   | 92.120             | 313.800        | 7339.34     | 14365.62          | 11299.59      | -9107.92     | 1752392.01           | 14430123.64           | 39°44'2.4049"N  | 80°36'6.1293"W  | 14513.27             | 321.130            | 0.04             |
| 25683.00   | 92.030             | 313.830        | 7335.97     | 14458.55          | 11363.94      | -9174.99     | 1752324.97           | 14430187.96           | 39°44'3.0437"N  | 80°36'6.9841"W  | 14605.46             | 321.083            | 0.10             |
| 25778.00   | 92.030             | 313.660        | 7332.61     | 14553.48          | 11429.58      | -9243.57     | 1752256.41           | 14430253.58           | 39°44'3.6955"N  | 80°36'7.8582"W  | 14699.63             | 321.036            | 0.18             |
| 25872.00   | 91.910             | 313.700        | 7329.37     | 14647.42          | 11494.46      | -9311.51     | 1752188.49           | 14430318.44           | 39°44'4.3397"N  | 80°36'8.7242"W  | 14792.80             | 320.990            | 0.13             |
| 25966.00   | 91.820             | 313.570        | 7326.31     | 14741.36          | 11559.30      | -9379.51     | 1752120.52           | 14430383.24           | 39°44'4.9834"N  | 80°36'9.5909"W  | 14885.98             | 320.943            | 0.17             |
| 26060.00   | 91.970             | 313.590        | 7323.21     | 14835.30          | 11624.06      | -9447.57     | 1752052.49           | 14430447.98           | 39°44'5.6264"N  | 80°36'10.4584"W | 14979.16             | 320.897            | 0.16             |
| 26154.00   | 91.970             | 313.880        | 7319.98     | 14929.24          | 11689.01      | -9515.45     | 1751984.64           | 14430512.90           | 39°44'6.2712"N  | 80°36'11.3236"W | 15072.38             | 320.853            | 0.31             |
| 26249.00   | 92.000             | 314.070        | 7316.68     | 15024.17          | 11754.93      | -9583.77     | 1751916.34           | 14430578.80           | 39°44'6.9257"N  | 80°36'12.1944"W | 15166.64             | 320.810            | 0.20             |
| 26342.00   | 92.000             | 313.650        | 7313.44     | 15117.10          | 11819.33      | -9650.79     | 1751849.35           | 14430643.18           | 39°44'7.5651"N  | 80°36'13.0486"W | 15258.91             | 320.767            | 0.45             |
| 26436.00   | 92.090             | 313.500        | 7310.08     | 15211.03          | 11884.08      | -9718.84     | 1751781.32           | 14430707.91           | 39°44'8.2080"N  | 80°36'13.9161"W | 15352.11             | 320.724            | 0.19             |
| 26530.00   | 92.160             | 313.730        | 7306.60     | 15304.96          | 11948.88      | -9786.85     | 1751713.34           | 14430772.68           | 39°44'8.8513"N  | 80°36'14.7829"W | 15445.33             | 320.680            | 0.26             |
| 26625.00   | 92.160             | 313.960        | 7303.02     | 15399.88          | 12014.64      | -9855.32     | 1751644.90           | 14430838.41           | 39°44'9.5042"N  | 80°36'15.6556"W | 15539.59             | 320.639            | 0.24             |
| 26719.00   | 92.160             | 313.930        | 7299.48     | 15493.80          | 12079.83      | -9922.95     | 1751577.29           | 14430903.57           | 39°44'10.1514"N | 80°36'16.5176"W | 15632.89             | 320.599            | 0.03             |
| 26813.00   | 92.060             | 313.790        | 7296.01     | 15587.72          | 12144.92      | -9990.68     | 1751509.59           | 14430968.64           | 39°44'10.7976"N | 80°36'17.3810"W | 15726.18             | 320.559            | 0.18             |
| 26908.00   | 91.970             | 313.740        | 7292.67     | 15682.66          | 12210.59      | -10059.25    | 1751441.05           | 14431034.28           | 39°44'11.4496"N | 80°36'18.2549"W | 15820.46             | 320.518            | 0.11             |
| 27002.00   | 92.060             | 313.420        | 7289.37     | 15776.59          | 12275.35      | -10127.30    | 1751373.02           | 14431099.02           | 39°44'12.0926"N | 80°36'19.1224"W | 15913.72             | 320.477            | 0.35             |
| 27096.00   | 91.880             | 313.640        | 7286.14     | 15870.53          | 12340.05      | -10195.41    | 1751304.94           | 14431163.70           | 39°44'12.7350"N | 80°36'19.9906"W | 16006.98             | 320.436            | 0.30             |
| 27189.00   | 92.030             | 313.670        | 7282.97     | 15963.47          | 12404.21      | -10262.66    | 1751237.71           | 14431227.83           | 39°44'13.3720"N | 80°36'20.8478"W | 16099.27             | 320.397            | 0.16             |

**REFERENCE WELLPATH IDENTIFICATION**

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

**WELLPATH DATA (321 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] |
|-----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|
| 27283.00  | 91.970          | 313.990     | 7279.68  | 16057.40       | 12469.27   | -10330.43 | 1751169.97        | 14431292.87        | 39°44'14.0179"N | 80°36'21.7116"W | 16192.60          | 320.359         | 0.35          |
| 27376.00  | 91.970          | 313.610     | 7276.49  | 16150.34       | 12533.60   | -10397.51 | 1751102.91        | 14431357.17        | 39°44'14.6565"N | 80°36'22.5667"W | 16284.94          | 320.322         | 0.41          |
| 27470.00  | 92.090          | 312.910     | 7273.16  | 16244.28       | 12597.98   | -10465.92 | 1751034.53        | 14431421.53        | 39°44'15.2957"N | 80°36'23.4388"W | 16378.18          | 320.281         | 0.76          |
| 27565.00  | 92.000          | 312.750     | 7269.77  | 16339.22       | 12662.52   | -10535.55 | 1750964.93        | 14431486.04        | 39°44'15.9366"N | 80°36'24.3264"W | 16472.32          | 320.239         | 0.19          |
| 27660.00  | 91.970          | 312.650     | 7266.48  | 16434.16       | 12726.91   | -10605.33 | 1750895.18        | 14431550.40        | 39°44'16.5759"N | 80°36'25.2160"W | 16566.45          | 320.196         | 0.11          |
| 27754.00  | 92.120          | 312.490     | 7263.12  | 16528.10       | 12790.46   | -10674.51 | 1750826.02        | 14431613.93        | 39°44'17.2070"N | 80°36'26.0980"W | 16659.56          | 320.153         | 0.23          |
| 27848.00  | 92.090          | 312.570     | 7259.67  | 16622.03       | 12853.96   | -10743.73 | 1750756.83        | 14431677.40        | 39°44'17.8375"N | 80°36'26.9806"W | 16752.67          | 320.110         | 0.09          |
| 27942.00  | 91.880          | 312.630     | 7256.41  | 16715.97       | 12917.54   | -10812.88 | 1750687.70        | 14431740.97        | 39°44'18.4689"N | 80°36'27.8622"W | 16845.81          | 320.068         | 0.23          |
| 28037.00  | 91.940          | 312.670     | 7253.25  | 16810.92       | 12981.87   | -10882.72 | 1750617.89        | 14431805.27        | 39°44'19.1077"N | 80°36'28.7525"W | 16939.97          | 320.027         | 0.08          |
| 28131.00  | 92.370          | 312.940     | 7249.71  | 16904.85       | 13045.70   | -10951.63 | 1750549.00        | 14431869.08        | 39°44'19.7415"N | 80°36'29.6312"W | 17033.16          | 319.987         | 0.54          |
| 28225.00  | 92.280          | 312.730     | 7245.90  | 16998.77       | 13109.56   | -11020.51 | 1750480.16        | 14431932.91        | 39°44'20.3755"N | 80°36'30.5093"W | 17126.36          | 319.948         | 0.24          |
| 28319.00  | 92.280          | 312.990     | 7242.16  | 17092.70       | 13173.45   | -11089.36 | 1750411.33        | 14431996.77        | 39°44'21.0099"N | 80°36'31.3870"W | 17219.57          | 319.909         | 0.28          |
| 28414.00  | 92.220          | 312.570     | 7238.43  | 17187.62       | 13237.92   | -11159.03 | 1750341.69        | 14432061.22        | 39°44'21.6501"N | 80°36'32.2753"W | 17313.77          | 319.870         | 0.45          |
| 28508.00  | 92.150          | 312.600     | 7234.85  | 17281.55       | 13301.48   | -11228.19 | 1750272.55        | 14432124.76        | 39°44'22.2812"N | 80°36'33.1571"W | 17406.94          | 319.831         | 0.08          |
| 28603.00  | 92.280          | 312.450     | 7231.18  | 17376.48       | 13365.65   | -11298.15 | 1750202.62        | 14432188.90        | 39°44'22.9183"N | 80°36'34.0491"W | 17501.11          | 319.792         | 0.21          |
| 28697.00  | 92.460          | 312.800     | 7227.29  | 17470.40       | 13429.25   | -11367.26 | 1750133.54        | 14432252.47        | 39°44'23.5499"N | 80°36'34.9301"W | 17594.30          | 319.754         | 0.42          |
| 28791.00  | 92.220          | 312.650     | 7223.45  | 17564.32       | 13492.97   | -11436.25 | 1750064.57        | 14432316.17        | 39°44'24.1826"N | 80°36'35.8098"W | 17687.51          | 319.716         | 0.30          |
| 28885.00  | 92.220          | 312.540     | 7219.81  | 17658.25       | 13556.54   | -11505.40 | 1749995.45        | 14432379.72        | 39°44'24.8138"N | 80°36'36.6914"W | 17780.72          | 319.679         | 0.12          |
| 28979.00  | 91.750          | 312.630     | 7216.55  | 17752.19       | 13620.11   | -11574.57 | 1749926.31        | 14432443.27        | 39°44'25.4451"N | 80°36'37.5733"W | 17873.95          | 319.642         | 0.51          |
| 29047.00  | 91.720          | 312.610     | 7214.49  | 17820.16       | 13666.14   | -11624.58 | 1749876.31        | 14432489.27        | 39°44'25.9020"N | 80°36'38.2110"W | 17941.41          | 319.615         | 0.05          |
| 29072.00† | 91.720          | 312.610     | 7213.74  | 17845.14       | 13683.05   | -11642.98 | 1749857.93        | 14432506.18        | 39°44'26.0700"N | 80°36'38.4455"W | 17966.21          | 319.605         | 0.00          |

**HOLE & CASING SECTIONS - Ref Wellbore: Riter WTZ 3H AWB Ref Wellpath: Riter WTZ 3H awp Proj: 29072'**

| 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         | 495.00      | 469.00        | 26.00          | 494.99       | 0.00           | 0.00           | -1.69        | -1.51        |
| 9.625in Casing  | 26.00         | 2978.00     | 2952.00       | 26.00          | 2750.92      | 0.00           | 0.00           | -179.92      | 898.13       |

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Department of

# Actual Wellpath Report

Riter WTZ 3H awp Proj: 29072'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |                  |
|----------|-----------------------------|----------|------------------|
| Operator | SWN PRODUCTION COMPANY, LLC | Well     | Riter WTZ 3H     |
| Field    | Wetzel                      | API      | 47103036440000   |
| Facility | Riter WTZ Pad               | Wellbore | Riter WTZ 3H AWB |
| Slot     | 3H                          |          |                  |

## TARGETS

| Name                   | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Shape |
|------------------------|-------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|-------|
| Riter WTZ 3H BHL rev 1 | 7212.00     | 13668.97      | -11657.09    | 1749843.82           | 14432492.10           | 39°44'25.9314"N | 80°36'38.6270"W | point |
| Riter WTZ 3H LP rev 3  | 7606.00     | -32.55        | 3057.60      | 1764552.84           | 14418795.86           | 39°42'9.8497"N  | 80°33'31.1251"W | point |

## WELLPATH COMPOSITION - Ref Wellbore: Riter WTZ 3H AWB Ref Wellpath: Riter WTZ 3H awp Proj: 29072'

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model                    | Log Name/Comment                        | Wellbore         | Survey Date |
|------------------|----------------|-------------------------------------------------|-----------------------------------------|------------------|-------------|
| 26.00            | 428.00         | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 1 Total MWD 17.5" IFR-MSA 175' - 428'   | Riter WTZ 3H AWB | 9/14/2024   |
| 428.00           | 2893.00        | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 2 Total MWD 12.25" IFR-MSA 515' - 2893' | Riter WTZ 3H AWB | 9/14/2024   |
| 2893.00          | 6874.00        | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 3 BH MWD 8.75" IFR-MSA 3013' - 6874'    | Riter WTZ 3H AWB | 9/14/2024   |
| 6874.00          | 29072.00       | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 4 BH MWD 8.5" IFR-MSA 6972' - 29047'    | Riter WTZ 3H AWB | 9/14/2024   |

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US, 18840

**QUOTATION**

#2378826-1

**Date**

May/01/2025

**Contact**

Chris Thompson

12830 Cogburn Avenue  
Suite 111  
San Antonio, TX  
United States, 78249  
Tel : (210) 344-9906  
Fax : (210) 344-9909  
chris@ynis.net

**Ship Via**

Our Discretion

**FOB**

Factory

**Production Time**

15 working days from artwork approval

**Terms**

Net 45 days

**Tax #**

| QTY | DESCRIPTION                                                                                                                                                                                                                                 | UNIT PRICE | EXTENSION  |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| 175 | <b>PRINTED FIVE PANEL TRUCKER</b>                                                                                                                                                                                                           |            |            |
| 175 | Color: Kryptek: Typhon/Black<br>Decoration Method: Medium Brown Leather Patch <ul style="list-style-type: none"><li>• Decoration Location: Centered Front</li><li>• Design Name: Expand Logo</li><li>• Decoration Size: Hex Shape</li></ul> | \$21.17    | \$3,704.75 |
| 175 | <ul style="list-style-type: none"><li>• Run Charge:</li><li>• Decoration Color: Black Thread Stitching</li></ul>                                                                                                                            |            |            |
| 1   | <ul style="list-style-type: none"><li>• Setup Charge: Laser Engrqave</li></ul>                                                                                                                                                              | \$50.00    | \$50.00    |

**Customer Instructions / Comments**

Must Have delivered by May 20th for Dated Event.

|         |            |
|---------|------------|
| Artwork | NO CHARGE  |
| S&H     | EXTRA      |
| Tax     | EXTRA      |
| Total   | \$3,754.75 |

**CONDITIONS & ACCEPTANCE**

DUE TO THE PROCESS OF MANUFACTURING ITEMS TO CUSTOMER SPECIFICATIONS, OVERRUNS OR UNDERRUNS, OF NOT MORE THAN 10% WILL OCCUR. THESE WILL BE DEEMED ACCEPTABLE AND BILLED ON A PRO-RATA BASIS. THIS QUOTE SHALL NOT BE ACCEPTED AS AN ORDER UNTIL ACCEPTANCE OF THIS OFF BY YOU NAME IT SPECIALTIES, INC. AND SUCH ACCEPTANCE MAY BE EITHER BY NOTIFICATION TO CUSTOMER OR BY OUR COMMENCEMENT OF WORK ON THE MERCHANDISE ORDERED.

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