



## Actual Wellpath Report

Carnegie 7H Proj: 26358'

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### REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

### REPORT SETUP INFORMATION

|                     |                                                                 |                  |                          |
|---------------------|-----------------------------------------------------------------|------------------|--------------------------|
| Projection System   | NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet | Software System  | WellArchitect® 6.0       |
| North Reference     | Grid                                                            | User             | Deergai                  |
| Scale               | 0.999942                                                        | Report Generated | 5/29/2024 at 12:18:55 PM |
| Convergence at slot | 0.60° West                                                      | Database         | WA_MPL_EASTERNUS_Defn    |

### WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude       |
| Slot Location         | 44.03             | 9.30     | 1735834.38       | 374249.64       | 39°31'25.5164"N        | 80°26'11.3043"W |
| Facility Reference Pt |                   |          | 1735825.08       | 374205.61       | 39°31'25.0803"N        | 80°26'11.4171"W |
| Field Reference Pt    |                   |          | 1931053.01       | 433518.91       | 39°41'24.0000"N        | 79°44'42.0000"W |

### WELLPATH DATUM

|                          |                     |                                                       |                   |
|--------------------------|---------------------|-------------------------------------------------------|-------------------|
| Calculation method       | Minimum curvature   | Patterson 292 (RKB) to Facility Vertical Datum        | 1346.00ft         |
| Horizontal Reference Pt  | Slot                | Patterson 292 (RKB) to Mean Sea Level                 | 1346.00ft         |
| Vertical Reference Pt    | Patterson 292 (RKB) | Patterson 292 (RKB) to Ground Level at Slot (Slot 07) | 28.00ft           |
| MD Reference Pt          | Patterson 292 (RKB) | Section Origin                                        | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level      | Section Azimuth                                       | 331.63°           |





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|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations) † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude        | Longitude       | Closure Dist [ft] | Closure Dir [°] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments   |
|---------|-----------------|-------------|----------|------------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|------------|
| 0.00†   | 0.000           | 62.550      | 0.00     | -1346.00   | 0.00           | 0.00       | 0.00      | 1735834.38        | 374249.64          | 39°31'25.5164"N | 80°26'11.3043"W | 0.00              | 0.000           | 0.00          | 0.00                 | 0.00                |            |
| 28.00   | 0.000           | 62.550      | 28.00    | -1318.00   | 0.00           | 0.00       | 0.00      | 1735834.38        | 374249.64          | 39°31'25.5164"N | 80°26'11.3043"W | 0.00              | 0.000           | 0.00          | 0.00                 | 0.00                |            |
| 115.00  | 0.100           | 62.550      | 115.00   | -1231.00   | 0.00           | 0.03       | 0.07      | 1735834.45        | 374249.67          | 39°31'25.5167"N | 80°26'11.3034"W | 0.08              | 62.550          | 0.11          | 0.11                 | 0.00                | 01 Gyro    |
| 215.00  | 0.170           | 128.990     | 215.00   | -1131.00   | -0.14          | -0.02      | 0.26      | 1735834.64        | 374249.62          | 39°31'25.5162"N | 80°26'11.3009"W | 0.26              | 93.984          | 0.16          | 0.07                 | 66.44               |            |
| 315.00  | 0.200           | 104.920     | 315.00   | -1031.00   | -0.40          | -0.16      | 0.54      | 1735834.92        | 374249.45          | 39°31'25.5149"N | 80°26'11.2973"W | 0.57              | 106.037         | 0.08          | 0.03                 | -24.07              |            |
| 415.00  | 0.190           | 98.070      | 415.00   | -931.00    | -0.61          | -0.22      | 0.88      | 1735835.26        | 374249.42          | 39°31'25.5143"N | 80°26'11.2930"W | 0.91              | 104.367         | 0.03          | -0.01                | -6.85               |            |
| 515.00  | 0.190           | 183.620     | 515.00   | -831.00    | -0.85          | -0.41      | 1.03      | 1735835.41        | 374249.23          | 39°31'25.5124"N | 80°26'11.2911"W | 1.11              | 111.855         | 0.26          | 0.00                 | 85.55               |            |
| 615.00  | 0.260           | 144.890     | 615.00   | -731.00    | -1.22          | -0.76      | 1.15      | 1735835.53        | 374248.88          | 39°31'25.5090"N | 80°26'11.2895"W | 1.38              | 123.599         | 0.16          | 0.07                 | -38.73              |            |
| 715.00  | 0.310           | 129.770     | 715.00   | -631.00    | -1.70          | -1.12      | 1.49      | 1735835.87        | 374248.52          | 39°31'25.5054"N | 80°26'11.2851"W | 1.87              | 127.025         | 0.09          | 0.05                 | -15.12              |            |
| 815.00  | 0.230           | 109.910     | 815.00   | -531.00    | -2.10          | -1.35      | 1.89      | 1735836.27        | 374248.26          | 39°31'25.5031"N | 80°26'11.2800"W | 2.33              | 125.850         | 0.12          | -0.06                | -19.88              |            |
| 915.00  | 0.420           | 133.180     | 914.99   | -431.01    | -2.59          | -1.68      | 2.34      | 1735836.72        | 374247.96          | 39°31'25.5000"N | 80°26'11.2742"W | 2.88              | 125.716         | 0.23          | 0.19                 | 23.27               |            |
| 1015.00 | 0.100           | 84.300      | 1014.99  | -331.01    | -2.98          | -1.93      | 2.70      | 1735837.08        | 374247.71          | 39°31'25.4976"N | 80°26'11.2696"W | 3.31              | 125.541         | 0.36          | -0.32                | -48.88              |            |
| 1115.00 | 0.170           | 166.620     | 1114.99  | -231.01    | -3.15          | -2.06      | 2.82      | 1735837.20        | 374247.58          | 39°31'25.4963"N | 80°26'11.2680"W | 3.49              | 126.197         | 0.19          | 0.07                 | 82.32               |            |
| 1215.00 | 0.220           | 109.870     | 1214.99  | -131.01    | -3.44          | -2.27      | 3.03      | 1735837.41        | 374247.37          | 39°31'25.4943"N | 80°26'11.2653"W | 3.79              | 126.836         | 0.19          | 0.05                 | -56.75              |            |
| 1315.00 | 0.180           | 114.250     | 1314.99  | -31.01     | -3.71          | -2.40      | 3.36      | 1735837.74        | 374247.24          | 39°31'25.4930"N | 80°26'11.2611"W | 4.13              | 125.582         | 0.04          | -0.04                | -4.38               |            |
| 1415.00 | 0.450           | 123.200     | 1414.99  | 68.99      | -4.18          | -2.68      | 3.63      | 1735838.21        | 374246.96          | 39°31'25.4903"N | 80°26'11.2551"W | 4.67              | 125.004         | 0.27          | 0.27                 | 8.95                |            |
| 1515.00 | 0.510           | 79.940      | 1514.99  | 168.99     | -4.66          | -2.82      | 4.59      | 1735838.97        | 374246.82          | 39°31'25.4890"N | 80°26'11.2453"W | 5.39              | 121.521         | 0.36          | 0.06                 | -43.26              |            |
| 1615.00 | 0.710           | 95.350      | 1614.98  | 268.98     | -5.15          | -2.80      | 5.65      | 1735840.03        | 374246.84          | 39°31'25.4893"N | 80°26'11.2318"W | 6.30              | 116.346         | 0.26          | 0.20                 | 15.41               |            |
| 1715.00 | 0.830           | 101.590     | 1714.97  | 368.97     | -5.96          | -3.00      | 6.98      | 1735841.36        | 374246.64          | 39°31'25.4875"N | 80°26'11.2148"W | 7.59              | 113.277         | 0.15          | 0.12                 | 6.24                |            |
| 1815.00 | 0.820           | 100.640     | 1814.96  | 468.96     | -6.57          | -3.28      | 8.39      | 1735842.77        | 374246.36          | 39°31'25.4849"N | 80°26'11.1988"W | 9.01              | 111.348         | 0.02          | -0.01                | -0.98               |            |
| 1915.00 | 0.790           | 92.750      | 1914.95  | 568.95     | -7.68          | -3.44      | 9.78      | 1735844.16        | 374246.20          | 39°31'25.4834"N | 80°26'11.1790"W | 10.37             | 109.398         | 0.11          | -0.03                | -7.89               |            |
| 2015.00 | 0.460           | 100.000     | 2014.95  | 668.95     | -8.28          | -3.55      | 10.86     | 1735845.24        | 374246.09          | 39°31'25.4825"N | 80°26'11.1652"W | 11.43             | 108.079         | 0.34          | -0.33                | 7.25                |            |
| 2115.00 | 0.770           | 137.020     | 2114.94  | 768.94     | -9.18          | -4.11      | 11.72     | 1735846.10        | 374245.53          | 39°31'25.4770"N | 80°26'11.1542"W | 12.42             | 109.319         | 0.49          | 0.31                 | 37.02               |            |
| 2215.00 | 0.660           | 138.250     | 2214.93  | 868.93     | -10.39         | -5.03      | 12.56     | 1735846.94        | 374244.61          | 39°31'25.4680"N | 80°26'11.1433"W | 13.53             | 111.823         | 0.11          | -0.11                | 1.23                |            |
| 2315.00 | 0.380           | 127.250     | 2314.93  | 968.93     | -11.26         | -5.65      | 13.20     | 1735847.58        | 374243.58          | 39°31'25.4618"N | 80°26'11.1350"W | 14.37             | 113.210         | 0.29          | -0.28                | -10.47              |            |
| 2415.00 | 0.460           | 128.490     | 2414.93  | 1068.93    | -11.93         | -6.12      | 13.78     | 1735848.16        | 374243.52          | 39°31'25.4574"N | 80°26'11.1276"W | 15.08             | 113.931         | 0.08          | 0.08                 | 0.64                |            |
| 2515.00 | 0.420           | 133.020     | 2514.92  | 1168.92    | -12.65         | -6.62      | 14.36     | 1735848.74        | 374243.02          | 39°31'25.4525"N | 80°26'11.1201"W | 15.81             | 114.731         | 0.05          | -0.04                | 4.53                |            |
| 2615.00 | 0.400           | 150.060     | 2614.92  | 1268.92    | -13.34         | -7.17      | 14.81     | 1735849.18        | 374242.47          | 39°31'25.4471"N | 80°26'11.1144"W | 16.45             | 115.835         | 0.12          | -0.02                | 17.04               |            |
| 2635.00 | 0.320           | 148.210     | 2634.92  | 1288.92    | -13.47         | -7.28      | 14.87     | 1735849.25        | 374242.36          | 39°31'25.4480"N | 80°26'11.1135"W | 16.55             | 116.074         | 0.40          | -0.40                | -9.25               |            |
| 2771.00 | 0.610           | 137.810     | 2770.91  | 1424.91    | -14.55         | -8.14      | 15.56     | 1735849.94        | 374241.50          | 39°31'25.4376"N | 80°26'11.1047"W | 17.55             | 117.609         | 0.22          | 0.21                 | -7.65               | 02 SDI MWD |





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|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | TVDSS<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] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------|
| 2815.00    | 0.410              | 146.440        | 2814.91     | 1468.91       | -14.93            | -8.44         | 15.80        | 1735850.18           | 374241.20             | 39°31'25.4346"N | 80°26'11.1015"W | 17.91                | 118.110            | 0.49             | -0.45                   | 19.61                  | KOP      |
| 2858.00    | 0.830              | 258.880        | 2857.91     | 1511.91       | -14.99            | -8.63         | 15.58        | 1735849.96           | 374241.01             | 39°31'25.4327"N | 80°26'11.1043"W | 17.81                | 118.979            | 2.46             | 0.98                    | 261.49                 |          |
| 2901.00    | 1.350              | 272.490        | 2900.90     | 1554.90       | -14.64            | -8.67         | 14.77        | 1735849.15           | 374240.97             | 39°31'25.4323"N | 80°26'11.1147"W | 17.12                | 120.406            | 1.34             | 1.21                    | 31.65                  |          |
| 2944.00    | 1.800              | 269.900        | 2943.89     | 1597.89       | -14.06            | -8.65         | 13.59        | 1735847.97           | 374240.99             | 39°31'25.4323"N | 80°26'11.1297"W | 16.10                | 122.470            | 1.06             | 1.05                    | -6.02                  |          |
| 2987.00    | 2.320              | 270.500        | 2986.86     | 1640.86       | -13.32            | -8.64         | 12.04        | 1735846.42           | 374241.00             | 39°31'25.4323"N | 80°26'11.1495"W | 14.82                | 125.667            | 1.23             | 1.23                    | 1.40                   |          |
| 3030.00    | 2.160              | 268.740        | 3029.83     | 1683.83       | -12.53            | -8.65         | 10.35        | 1735844.73           | 374240.99             | 39°31'25.4320"N | 80°26'11.1710"W | 13.49                | 129.877            | 0.43             | -0.40                   | -4.09                  |          |
| 3073.00    | 1.980              | 267.000        | 3072.80     | 1726.80       | -11.84            | -8.71         | 8.80         | 1735843.18           | 374240.93             | 39°31'25.4313"N | 80°26'11.1908"W | 12.38                | 134.890            | 0.44             | -0.42                   | -4.05                  |          |
| 3116.00    | 2.020              | 270.830        | 3115.77     | 1769.77       | -11.15            | -8.73         | 7.30         | 1735841.68           | 374240.91             | 39°31'25.4308"N | 80°26'11.2099"W | 11.38                | 140.106            | 0.32             | 0.09                    | 8.91                   |          |
| 3160.00    | 2.000              | 265.900        | 3159.74     | 1813.74       | -10.46            | -8.78         | 5.76         | 1735840.14           | 374240.86             | 39°31'25.4302"N | 80°26'11.2296"W | 10.50                | 146.726            | 0.40             | -0.05                   | -11.20                 |          |
| 3203.00    | 1.780              | 263.080        | 3202.72     | 1856.72       | -9.91             | -8.91         | 4.34         | 1735838.72           | 374240.73             | 39°31'25.4288"N | 80°26'11.2475"W | 9.81                 | 154.010            | 0.53             | -0.49                   | -6.58                  |          |
| 3246.00    | 1.640              | 279.800        | 3245.70     | 1899.70       | -9.28             | -8.89         | 3.07         | 1735837.45           | 374240.75             | 39°31'25.4289"N | 80°26'11.2639"W | 9.40                 | 160.935            | 1.21             | -0.35                   | 38.88                  |          |
| 3289.00    | 2.010              | 268.810        | 3288.68     | 1942.68       | -8.35             | -8.54         | 1.75         | 1735836.13           | 374241.10             | 39°31'25.4322"N | 80°26'11.2808"W | 8.72                 | 168.409            | 1.09             | 0.86                    | 20.95                  |          |
| 3333.00    | 2.080              | 290.250        | 3332.65     | 1986.65       | -7.18             | -8.02         | 0.27         | 1735834.65           | 374241.62             | 39°31'25.4372"N | 80°26'11.2997"W | 8.02                 | 178.058            | 0.20             | 0.16                    | 3.27                   |          |
| 3376.00    | 1.820              | 263.940        | 3375.63     | 2029.63       | -8.14             | -7.58         | -1.12        | 1735833.26           | 374242.06             | 39°31'25.4414"N | 80°26'11.3176"W | 7.66                 | 186.425            | 0.78             | -0.60                   | -14.67                 |          |
| 3419.00    | 1.830              | 266.840        | 3418.60     | 2072.60       | -5.16             | -7.21         | -2.48        | 1735831.90           | 374242.43             | 39°31'25.4449"N | 80°26'11.3349"W | 7.62                 | 198.980            | 0.34             | 0.26                    | 6.74                   |          |
| 3462.00    | 1.590              | 276.320        | 3461.58     | 2115.58       | -4.31             | -6.93         | -3.76        | 1735830.62           | 374242.71             | 39°31'25.4475"N | 80°26'11.3514"W | 7.89                 | 208.509            | 1.09             | -0.79                   | -24.47                 |          |
| 3505.00    | 1.860              | 272.090        | 3504.56     | 2158.56       | -3.62             | -6.84         | -5.05        | 1735829.33           | 374242.80             | 39°31'25.4483"N | 80°26'11.3679"W | 8.50                 | 216.466            | 0.69             | 0.63                    | -9.84                  |          |
| 3548.00    | 3.350              | 259.260        | 3547.52     | 2201.52       | -2.88             | -7.05         | -6.99        | 1735827.39           | 374242.59             | 39°31'25.4460"N | 80°26'11.3925"W | 9.92                 | 224.748            | 3.70             | 3.47                    | -29.84                 |          |
| 3591.00    | 4.920              | 249.240        | 3590.41     | 2244.41       | -2.26             | -7.94         | -9.95        | 1735824.43           | 374241.70             | 39°31'25.4369"N | 80°26'11.4301"W | 12.72                | 231.411            | 4.01             | 3.65                    | -23.30                 |          |
| 3635.00    | 5.400              | 247.550        | 3634.23     | 2288.23       | -1.78             | -9.40         | -13.68       | 1735820.72           | 374240.24             | 39°31'25.4221"N | 80°26'11.4773"W | 15.58                | 235.468            | 1.33             | 1.30                    | -3.18                  |          |
| 3678.00    | 5.170              | 243.790        | 3677.04     | 2331.04       | -1.48             | -11.03        | -17.30       | 1735817.08           | 374238.61             | 39°31'25.4056"N | 80°26'11.5236"W | 20.52                | 237.484            | 1.15             | -0.74                   | -9.44                  |          |
| 3721.00    | 5.480              | 237.250        | 3719.85     | 2373.85       | -1.57             | -13.00        | -20.77       | 1735813.61           | 374236.64             | 39°31'25.3858"N | 80°26'11.5676"W | 24.50                | 237.962            | 1.58             | 0.72                    | -15.21                 |          |
| 3764.00    | 6.430              | 230.870        | 3762.62     | 2416.62       | -2.17             | -15.63        | -24.36       | 1735810.02           | 374234.01             | 39°31'25.3594"N | 80°26'11.6131"W | 28.94                | 237.323            | 2.69             | 2.21                    | -14.84                 |          |
| 3807.00    | 7.550              | 230.710        | 3805.30     | 2459.30       | -3.16             | -18.94        | -28.42       | 1735805.96           | 374230.71             | 39°31'25.3263"N | 80°26'11.6644"W | 34.15                | 236.323            | 2.61             | 2.60                    | -0.37                  |          |
| 3851.00    | 8.930              | 229.350        | 3848.85     | 2502.85       | -4.43             | -22.99        | -33.25       | 1735801.14           | 374228.85             | 39°31'25.2857"N | 80°26'11.7254"W | 40.42                | 235.334            | 3.17             | 3.13                    | -8.05                  |          |
| 3894.00    | 9.400              | 231.360        | 3891.30     | 2545.30       | -5.77             | -27.36        | -38.52       | 1735795.86           | 374222.28             | 39°31'25.2420"N | 80°26'11.7922"W | 47.25                | 234.617            | 1.32             | 1.09                    | 4.67                   |          |
| 3937.00    | 10.220             | 235.460        | 3933.67     | 2587.67       | -6.80             | -31.71        | -44.41       | 1735789.97           | 374217.93             | 39°31'25.1984"N | 80°26'11.8667"W | 54.57                | 234.467            | 2.50             | 1.91                    | 9.53                   |          |
| 4023.00    | 12.290             | 239.020        | 4018.01     | 2672.01       | -8.04             | -40.75        | -58.54       | 1735775.84           | 374208.89             | 39°31'25.1076"N | 80°26'12.0459"W | 71.33                | 235.157            | 2.54             | 2.41                    | 4.14                   |          |
| 4110.00    | 13.750             | 235.630        | 4102.77     | 2756.77       | -9.54             | -51.35        | -75.01       | 1735759.37           | 374198.29             | 39°31'25.0011"N | 80°26'12.2547"W | 90.91                | 235.604            | 1.89             | 1.68                    | -3.90                  |          |
| 4196.00    | 14.030             | 232.550        | 4186.26     | 2840.26       | -12.26            | -63.46        | -91.72       | 1735742.68           | 374186.18             | 39°31'24.8797"N | 80°26'12.4669"W | 111.54               | 235.321            | 0.92             | 0.33                    | -3.58                  |          |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | TVDSS<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] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------|
| 4283.00    | 14.720             | 231.970        | 4270.54     | 2924.54       | -15.78            | -76.69        | -108.80      | 1735725.58           | 374172.95             | 39°31'24.7473"N | 80°26'12.6825"W | 133.11               | 234.823            | 0.81             | 0.79                    | -0.67                  |          |
| 4369.00    | 15.820             | 229.910        | 4353.50     | 3007.50       | -19.99            | -90.97        | -126.38      | 1735708.00           | 374158.67             | 39°31'24.6043"N | 80°26'12.9049"W | 155.71               | 234.254            | 1.43             | 1.28                    | -2.40                  |          |
| 4456.00    | 16.270             | 228.990        | 4437.11     | 3091.11       | -25.07            | -106.60       | -144.65      | 1735689.73           | 374143.04             | 39°31'24.4479"N | 80°26'13.1359"W | 179.68               | 233.611            | 0.59             | 0.52                    | -1.06                  |          |
| 4542.00    | 16.000             | 232.190        | 4519.72     | 3173.72       | -29.65            | -121.77       | -163.10      | 1735671.28           | 374127.87             | 39°31'24.2961"N | 80°26'13.3694"W | 203.55               | 233.255            | 1.08             | -0.31                   | 3.72                   |          |
| 4628.00    | 16.630             | 233.280        | 4602.26     | 3256.26       | -33.38            | -136.40       | -182.33      | 1735652.05           | 374113.24             | 39°31'24.1495"N | 80°26'13.6129"W | 227.70               | 233.201            | 0.81             | 0.73                    | 1.27                   |          |
| 4714.00    | 17.570             | 232.530        | 4684.46     | 3338.46       | -37.22            | -151.65       | -202.50      | 1735631.88           | 374097.99             | 39°31'23.9967"N | 80°26'13.8682"W | 252.99               | 233.170            | 1.12             | 1.09                    | -0.87                  |          |
| 4801.00    | 16.240             | 231.540        | 4767.70     | 3421.70       | -41.43            | -167.21       | -222.45      | 1735611.93           | 374082.43             | 39°31'23.8409"N | 80°26'14.1207"W | 278.28               | 233.069            | 1.56             | -1.53                   | -1.14                  |          |
| 4887.00    | 15.480             | 233.180        | 4850.42     | 3504.42       | -45.22            | -181.57       | -241.05      | 1735593.33           | 374068.08             | 39°31'23.6971"N | 80°26'14.3562"W | 301.78               | 233.012            | 1.03             | -0.88                   | 1.91                   |          |
| 4974.00    | 15.180             | 232.750        | 4934.33     | 3588.33       | -48.68            | -195.42       | -259.41      | 1735574.97           | 374054.22             | 39°31'23.5583"N | 80°26'14.5886"W | 324.78               | 233.009            | 0.37             | -0.34                   | -0.49                  |          |
| 5061.00    | 14.540             | 229.820        | 5008.74     | 3682.74       | -52.40            | -207.93       | -274.76      | 1735559.62           | 374041.71             | 39°31'23.4331"N | 80°26'14.7828"W | 344.57               | 232.893            | 1.49             | -0.70                   | -5.10                  |          |
| 5138.00    | 14.890             | 229.520        | 5092.86     | 3746.86       | -57.18            | -222.42       | -291.54      | 1735542.84           | 374027.22             | 39°31'23.2881"N | 80°26'14.9950"W | 366.70               | 232.859            | 0.35             | 0.29                    | 0.80                   |          |
| 5224.00    | 14.850             | 227.670        | 5175.98     | 3829.98       | -62.16            | -237.02       | -308.09      | 1735526.29           | 374012.62             | 39°31'23.1421"N | 80°26'15.2043"W | 388.71               | 232.429            | 0.55             | -0.05                   | -2.15                  |          |
| 5311.00    | 15.180             | 225.230        | 5260.01     | 3914.01       | -68.06            | -252.55       | -324.42      | 1735509.96           | 373997.09             | 39°31'22.9869"N | 80°26'15.4106"W | 411.13               | 232.101            | 0.82             | 0.38                    | -2.80                  |          |
| 5397.00    | 15.700             | 225.410        | 5342.91     | 3996.91       | -74.49            | -268.65       | -340.70      | 1735493.68           | 373981.00             | 39°31'22.8262"N | 80°26'15.6162"W | 433.87               | 231.744            | 0.61             | 0.60                    | 0.21                   |          |
| 5483.00    | 15.470             | 224.020        | 5425.75     | 4079.75       | -81.21            | -285.05       | -356.96      | 1735477.42           | 373964.58             | 39°31'22.6622"N | 80°26'15.8215"W | 456.87               | 231.589            | 0.57             | -0.27                   | -1.62                  |          |
| 5570.00    | 16.720             | 224.950        | 5509.34     | 4163.34       | -88.32            | -302.26       | -373.86      | 1735460.52           | 373947.38             | 39°31'22.4905"N | 80°26'16.0349"W | 480.77               | 231.045            | 1.47             | 1.44                    | 1.07                   |          |
| 5656.00    | 17.420             | 228.440        | 5591.55     | 4245.55       | -94.80            | -319.56       | -392.23      | 1735442.15           | 373930.08             | 39°31'22.3176"N | 80°26'16.2670"W | 505.93               | 230.830            | 1.44             | 0.81                    | 4.06                   |          |
| 5743.00    | 17.010             | 226.750        | 5674.65     | 4328.65       | -100.61           | -336.59       | -411.55      | 1735422.83           | 373913.05             | 39°31'22.1473"N | 80°26'16.5112"W | 531.66               | 230.721            | 0.48             | -0.47                   | 0.36                   |          |
| 5829.00    | 16.980             | 228.300        | 5756.90     | 4410.90       | -106.31           | -353.24       | -430.38      | 1735404.00           | 373896.40             | 39°31'21.9809"N | 80°26'16.7493"W | 556.78               | 230.622            | 0.16             | -0.03                   | -0.52                  |          |
| 5915.00    | 16.370             | 226.590        | 5839.26     | 4493.26       | -112.37           | -369.93       | -448.55      | 1735385.63           | 373879.71             | 39°31'21.8140"N | 80°26'16.9789"W | 581.42               | 230.488            | 0.93             | -0.71                   | -2.05                  |          |
| 6001.00    | 15.710             | 226.130        | 5921.93     | 4575.93       | -118.64           | -386.34       | -465.73      | 1735368.65           | 373863.30             | 39°31'21.6500"N | 80°26'17.1960"W | 605.12               | 230.323            | 0.78             | -0.77                   | -0.43                  |          |
| 6088.00    | 15.120             | 227.360        | 6005.80     | 4659.80       | -124.59           | -402.19       | -482.57      | 1735351.81           | 373847.45             | 39°31'21.4916"N | 80°26'17.4088"W | 628.20               | 230.191            | 0.78             | -0.68                   | 1.41                   |          |
| 6174.00    | 15.610             | 228.950        | 6088.73     | 4742.73       | -129.89           | -417.39       | -499.55      | 1735334.83           | 373832.25             | 39°31'21.3397"N | 80°26'17.6234"W | 650.97               | 230.120            | 0.75             | 0.57                    | 1.85                   |          |
| 6260.00    | 16.310             | 228.050        | 6171.41     | 4825.41       | -135.27           | -433.06       | -517.25      | 1735317.13           | 373816.58             | 39°31'21.1830"N | 80°26'17.8473"W | 674.61               | 230.063            | 0.86             | 0.81                    | -1.05                  |          |
| 6347.00    | 16.060             | 223.560        | 6254.97     | 4908.97       | -141.67           | -449.95       | -534.83      | 1735299.75           | 373799.68             | 39°31'21.0143"N | 80°26'18.0668"W | 698.78               | 229.915            | 1.47             | 0.29                    | -5.16                  |          |
| 6433.00    | 16.550             | 224.020        | 6337.51     | 4991.51       | -149.27           | -467.38       | -551.34      | 1735283.04           | 373782.26             | 39°31'20.8403"N | 80°26'18.2777"W | 722.79               | 229.712            | 0.59             | 0.57                    | 0.53                   |          |
| 6520.00    | 17.330             | 228.380        | 6420.74     | 5074.74       | -155.98           | -484.89       | -569.64      | 1735264.74           | 373764.75             | 39°31'20.6653"N | 80°26'18.5089"W | 748.07               | 229.595            | 1.71             | 0.90                    | 5.01                   |          |
| 6606.00    | 18.470             | 227.760        | 6502.57     | 5156.57       | -162.19           | -502.56       | -589.30      | 1735245.08           | 373747.08             | 39°31'20.4886"N | 80°26'18.7574"W | 774.50               | 229.542            | 1.34             | 1.33                    | -0.72                  |          |
| 6692.00    | 18.720             | 227.000        | 6584.08     | 5238.08       | -168.94           | -521.13       | -609.48      | 1735224.90           | 373728.51             | 39°31'20.3030"N | 80°26'19.0124"W | 801.90               | 229.468            | 0.40             | 0.29                    | -0.88                  |          |
| 6778.00    | 17.780             | 228.200        | 6666.71     | 5320.71       | -175.55           | -539.51       | -629.59      | 1735204.79           | 373710.14             | 39°31'20.1193"N | 80°26'19.2667"W | 829.13               | 229.405            | 1.16             | -1.06                   | 1.38                   |          |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations) † = interpolated, ‡ = extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | TVDSS<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<br>Dist<br>[ft] | Closure<br>Dir<br>[°] | DLS<br>[°/100ft] | Build<br>Rate<br>[°/100ft] | Turn<br>Rate<br>[°/100ft] | Comments                                                     |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|-------------------------|-----------------------|------------------|----------------------------|---------------------------|--------------------------------------------------------------|
| 6865.00    | 16.680             | 234.650        | 6748.86     | 5402.86       | -180.10           | -555.39       | -649.44      | 1735184.94           | 373694.25             | 39°31'19.9603"N | 80°26'19.5178"W | 854.54                  | 229.463               | 2.57             | -1.30                      | 7.50                      |                                                              |
| 6952.00    | 16.870             | 237.690        | 6832.16     | 5486.16       | -182.48           | -569.36       | -670.28      | 1735164.10           | 373680.29             | 39°31'19.8201"N | 80°26'19.7819"W | 879.46                  | 229.655               | 1.04             | 0.24                       | 3.49                      |                                                              |
| 7039.00    | 17.570             | 234.350        | 6915.26     | 5569.26       | -185.01           | -583.76       | -691.62      | 1735142.76           | 373665.88             | 39°31'19.6756"N | 80°26'20.0523"W | 905.05                  | 229.834               | 1.39             | 0.80                       | -3.84                     |                                                              |
| 7118.00    | 18.230             | 231.120        | 6988.54     | 5642.54       | -188.68           | -598.09       | -710.44      | 1735123.94           | 373651.55             | 39°31'19.5320"N | 80°26'20.2905"W | 928.68                  | 229.907               | 1.55             | 0.86                       | -4.19                     |                                                              |
| 7164.00    | 18.500             | 228.360        | 7034.09     | 5688.09       | -191.72           | -607.80       | -722.03      | 1735112.35           | 373641.84             | 39°31'19.4348"N | 80°26'20.4371"W | 943.80                  | 229.903               | 1.53             | 0.56                       | -4.50                     | 3 BH Lucida-SuperiorQC (FR) + Sig+FDIR <8-1/2> (71641-26333) |
| 7260.00    | 17.890             | 247.670        | 7125.37     | 5779.37       | -193.51           | -623.42       | -747.18      | 1735087.20           | 373626.22             | 39°31'19.2778"N | 80°26'20.7660"W | 973.10                  | 230.160               | 6.09             | -0.64                      | 19.49                     | Curve KOP                                                    |
| 7355.00    | 18.400             | 280.130        | 7215.88     | 5869.88       | -182.62           | -626.33       | -775.51      | 1735058.87           | 373623.31             | 39°31'19.2461"N | 80°26'21.1171"W | 996.85                  | 231.074               | 10.53            | 0.54                       | 34.17                     |                                                              |
| 7449.00    | 23.520             | 295.550        | 7303.69     | 5957.69       | -158.19           | -615.62       | -807.08      | 1735027.30           | 373634.02             | 39°31'19.3487"N | 80°26'21.5214"W | 1015.07                 | 232.665               | 7.96             | 5.45                       | 16.40                     |                                                              |
| 7544.00    | 31.830             | 305.480        | 7387.80     | 6041.80       | -120.29           | -592.85       | -844.67      | 1734989.71           | 373656.79             | 39°31'19.5699"N | 80°26'22.0041"W | 1031.96                 | 234.936               | 9.98             | 8.75                       | 10.45                     |                                                              |
| 7638.00    | 33.620             | 313.400        | 7464.83     | 6116.83       | -66.47            | -566.56       | -885.53      | 1734947.65           | 373693.08             | 39°31'19.9242"N | 80°26'22.5431"W | 1045.76                 | 237.679               | 10.37            | 8.41                       | 10.44                     |                                                              |
| 7735.00    | 46.980             | 325.100        | 7534.61     | 6188.61       | -3.94             | -505.77       | -928.29      | 1734906.09           | 373743.87             | 39°31'20.4219"N | 80°26'23.0828"W | 1057.13                 | 241.417               | 10.17            | 7.46                       | 10.10                     |                                                              |
| 7829.00    | 56.180             | 325.750        | 7592.96     | 6246.96       | 69.20             | -445.18       | -970.02      | 1734864.36           | 373804.46             | 39°31'21.0164"N | 80°26'23.6234"W | 1067.30                 | 245.348               | 9.80             | 9.79                       | 0.69                      |                                                              |
| 7924.00    | 63.330             | 329.300        | 7640.79     | 6294.79       | 150.99            | -375.95       | -1013.97     | 1734820.42           | 373873.68             | 39°31'21.6960"N | 80°26'24.1934"W | 1081.42                 | 249.656               | 6.19             | 7.53                       | 3.74                      |                                                              |
| 8019.00    | 69.250             | 332.720        | 7678.99     | 6332.99       | 237.91            | -299.90       | -1056.04     | 1734778.34           | 373949.74             | 39°31'22.4434"N | 80°26'24.7405"W | 1097.80                 | 254.146               | 7.05             | 6.23                       | 3.60                      |                                                              |
| 8114.20†   | 77.134             | 333.137        | 7706.49     | 6360.49       | 328.95            | -218.81       | -1097.48     | 1734736.96           | 374030.83             | 39°31'23.2405"N | 80°26'25.2801"W | 1119.08                 | 258.724               | 8.29             | 8.28                       | 0.44                      | Marcellus                                                    |
| 8115.00    | 77.200             | 333.140        | 7706.67     | 6360.67       | 329.73            | -218.11       | -1097.83     | 1734736.55           | 374031.53             | 39°31'23.2474"N | 80°26'25.2847"W | 1119.29                 | 258.763               | 8.29             | 8.28                       | 0.42                      |                                                              |
| 8210.00    | 84.500             | 332.930        | 7721.77     | 6375.77       | 423.43            | -134.58       | -1140.33     | 1734694.05           | 374115.06             | 39°31'24.0888"N | 80°26'25.8382"W | 1148.25                 | 263.269               | 7.69             | 7.68                       | -0.22                     |                                                              |
| 8305.00    | 88.880             | 335.120        | 7728.91     | 6382.91       | 518.07            | -49.43        | -1181.82     | 1734652.57           | 374200.21             | 39°31'24.9059"N | 80°26'26.3790"W | 1182.85                 | 267.605               | 3.40             | 2.51                       | 2.31                      |                                                              |
| 8399.00    | 87.000             | 335.190        | 7733.92     | 6387.92       | 611.76            | 35.75         | -1221.26     | 1734613.13           | 374285.39             | 39°31'25.7436"N | 80°26'26.8936"W | 1221.78                 | 271.677               | 0.15             | 0.13                       | 0.07                      |                                                              |
| 8495.00    | 86.910             | 335.200        | 7739.02     | 6393.02       | 707.43            | 122.79        | -1261.43     | 1734572.95           | 374372.43             | 39°31'26.5997"N | 80°26'27.4179"W | 1267.39                 | 275.560               | 0.12             | -0.09                      | 0.07                      |                                                              |
| 8590.00    | 89.900             | 335.180        | 7741.67     | 6395.67       | 802.20            | 209.00        | -1301.24     | 1734533.14           | 374458.64             | 39°31'27.4476"N | 80°26'27.9375"W | 1317.92                 | 279.125               | 3.15             | 3.15                       | -0.11                     | Landing Point                                                |
| 8685.00    | 89.570             | 335.330        | 7742.11     | 6396.11       | 897.01            | 295.27        | -1341.02     | 1734493.36           | 374544.91             | 39°31'28.2961"N | 80°26'28.4567"W | 1373.14                 | 282.417               | 0.39             | -0.35                      | 0.18                      |                                                              |
| 8779.00    | 89.500             | 335.230        | 7742.87     | 6396.87       | 990.81            | 380.65        | -1380.33     | 1734454.05           | 374630.29             | 39°31'29.1359"N | 80°26'28.9697"W | 1431.85                 | 285.417               | 0.13             | -0.07                      | -0.11                     |                                                              |
| 8874.00    | 89.470             | 335.240        | 7743.72     | 6397.72       | 1085.62           | 466.91        | -1420.12     | 1734414.26           | 374716.55             | 39°31'29.9843"N | 80°26'29.4891"W | 1494.91                 | 288.200               | 0.03             | -0.03                      | 0.01                      |                                                              |
| 8969.00    | 89.380             | 335.430        | 7744.68     | 6398.68       | 1180.42           | 553.24        | -1458.77     | 1734374.62           | 374802.88             | 39°31'30.8334"N | 80°26'30.0065"W | 1561.08                 | 290.756               | 0.22             | -0.05                      | 0.20                      |                                                              |
| 9064.00    | 89.440             | 335.380        | 7745.66     | 6399.66       | 1275.21           | 639.61        | -1499.32     | 1734335.07           | 374889.25             | 39°31'31.6829"N | 80°26'30.5228"W | 1630.05                 | 293.103               | 0.10             | 0.06                       | -0.07                     |                                                              |
| 9158.00    | 89.200             | 335.660        | 7746.77     | 6400.77       | 1368.99           | 725.14        | -1538.28     | 1734296.10           | 374974.78             | 39°31'32.5243"N | 80°26'31.0315"W | 1700.83                 | 295.239               | 0.41             | -0.26                      | 0.32                      |                                                              |
| 9253.00    | 89.280             | 335.190        | 7748.02     | 6402.02       | 1463.77           | 811.53        | -1577.79     | 1734256.80           | 375061.17             | 39°31'33.3740"N | 80°26'31.5472"W | 1774.26                 | 297.219               | 0.50             | 0.09                       | -0.49                     |                                                              |
| 9347.00    | 89.200             | 335.350        | 7749.26     | 6403.26       | 1557.57           | 896.90        | -1617.11     | 1734217.28           | 375146.54             | 39°31'34.2137"N | 80°26'32.0604"W | 1849.18                 | 299.014               | 0.20             | -0.10                      | 0.17                      |                                                              |
| 9441.00    | 89.720             | 335.340        | 7750.15     | 6404.15       | 1661.36           | 982.40        | -1656.17     | 1734178.21           | 375232.03             | 39°31'35.0546"N | 80°26'32.5703"W | 1925.62                 | 300.675               | 0.59             | 0.55                       | 0.20                      |                                                              |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | TVD<br>(ft) | TVDSS<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) | Build Rate<br>(°/100ft) | Turn Rate<br>(°/100ft) | Comments |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------|
| 9536.00    | 89.820             | 334.990        | 7750.53     | 6404.53       | 1746.17           | 1068.68       | -1695.92     | 1734138.47           | 375318.32             | 39°31'35.9032"N | 80°28'33.0892"W | 2004.55              | 302.217            | 0.59             | 0.11                    | -0.58                  |          |
| 9631.00    | 89.850             | 335.650        | 7750.80     | 6404.80       | 1840.97           | 1165.00       | -1735.58     | 1734098.80           | 375404.64             | 39°31'36.7523"N | 80°28'33.6069"W | 2084.77              | 303.643            | 0.70             | 0.03                    | 0.69                   |          |
| 9726.00    | 89.630             | 335.470        | 7751.23     | 6405.23       | 1935.74           | 1241.49       | -1774.89     | 1734059.49           | 375491.13             | 39°31'37.6030"N | 80°28'34.1201"W | 2165.99              | 304.972            | 0.30             | -0.23                   | -0.19                  |          |
| 9821.00    | 89.700             | 335.470        | 7751.79     | 6405.79       | 2030.53           | 1327.91       | -1814.33     | 1734020.05           | 375577.55             | 39°31'38.4530"N | 80°28'34.6350"W | 2248.36              | 306.200            | 0.07             | 0.07                    | 0.00                   |          |
| 9916.00    | 89.850             | 335.480        | 7752.16     | 6406.16       | 2125.32           | 1414.34       | -1853.76     | 1733980.62           | 375663.58             | 39°31'39.3031"N | 80°28'35.1496"W | 2331.69              | 307.342            | 0.16             | 0.16                    | 0.01                   |          |
| 10011.00   | 89.730             | 335.480        | 7752.51     | 6406.51       | 2220.10           | 1500.77       | -1893.19     | 1733941.19           | 375750.41             | 39°31'40.1533"N | 80°28'35.6646"W | 2415.88              | 308.405            | 0.13             | -0.13                   | 0.00                   |          |
| 10106.00   | 89.600             | 335.390        | 7753.07     | 6407.07       | 2314.89           | 1587.17       | -1932.68     | 1733901.70           | 375836.81             | 39°31'41.0031"N | 80°28'36.1802"W | 2500.88              | 309.394            | 0.17             | -0.14                   | -0.09                  |          |
| 10200.00   | 89.700             | 335.460        | 7753.64     | 6407.64       | 2408.68           | 1672.66       | -1971.77     | 1733862.61           | 375922.29             | 39°31'41.8439"N | 80°28'36.6905"W | 2585.67              | 310.308            | 0.13             | 0.11                    | 0.07                   |          |
| 10294.00   | 89.730             | 335.540        | 7754.11     | 6408.11       | 2502.47           | 1758.19       | -2010.76     | 1733823.63           | 376007.83             | 39°31'42.6852"N | 80°28'37.1994"W | 2671.02              | 311.166            | 0.09             | 0.03                    | 0.09                   |          |
| 10389.00   | 89.670             | 335.450        | 7754.61     | 6408.61       | 2597.25           | 1844.63       | -2050.16     | 1733784.23           | 376094.27             | 39°31'43.5355"N | 80°28'37.7289"W | 2757.87              | 311.979            | 0.11             | -0.06                   | -0.09                  |          |
| 10483.00   | 89.790             | 335.530        | 7755.05     | 6409.05       | 2691.03           | 1930.16       | -2089.15     | 1733745.23           | 376179.80             | 39°31'44.3767"N | 80°28'38.2230"W | 2844.31              | 312.735            | 0.15             | 0.13                    | 0.09                   |          |
| 10578.00   | 89.940             | 335.480        | 7755.27     | 6409.27       | 2785.82           | 2016.61       | -2128.54     | 1733705.84           | 376266.25             | 39°31'45.2271"N | 80°28'38.7373"W | 2932.13              | 313.453            | 0.17             | 0.16                    | -0.05                  |          |
| 10673.00   | 89.940             | 335.510        | 7755.37     | 6409.37       | 2880.60           | 2103.05       | -2167.95     | 1733666.44           | 376352.69             | 39°31'46.0773"N | 80°28'39.2518"W | 3020.40              | 314.130            | 0.03             | 0.00                    | 0.03                   |          |
| 10768.00   | 89.970             | 335.340        | 7755.45     | 6409.45       | 2975.39           | 2189.45       | -2207.45     | 1733626.93           | 376439.08             | 39°31'46.9271"N | 80°28'39.7676"W | 3109.11              | 314.765            | 0.18             | 0.03                    | -0.18                  |          |
| 10862.00   | 89.940             | 335.340        | 7755.52     | 6409.52       | 3069.20           | 2274.88       | -2246.67     | 1733587.71           | 376524.51             | 39°31'47.7673"N | 80°28'40.2796"W | 3197.28              | 315.357            | 0.03             | -0.03                   | 0.00                   |          |
| 10957.00   | 89.940             | 335.480        | 7755.62     | 6409.62       | 3163.99           | 2361.26       | -2286.21     | 1733548.18           | 376610.90             | 39°31'48.6170"N | 80°28'40.7957"W | 3286.68              | 315.925            | 0.15             | 0.00                    | 0.15                   |          |
| 11051.00   | 90.190             | 335.530        | 7755.51     | 6409.51       | 3257.77           | 2446.80       | -2325.18     | 1733509.21           | 376696.43             | 39°31'49.4583"N | 80°28'41.3046"W | 3375.39              | 316.460            | 0.27             | 0.27                    | 0.05                   |          |
| 11146.00   | 90.340             | 335.460        | 7755.07     | 6409.07       | 3352.56           | 2533.24       | -2364.58     | 1733469.80           | 376782.88             | 39°31'50.3086"N | 80°28'41.8190"W | 3465.34              | 316.972            | 0.17             | 0.16                    | -0.07                  |          |
| 11241.00   | 90.250             | 334.620        | 7754.58     | 6408.58       | 3447.39           | 2619.37       | -2404.67     | 1733429.71           | 376869.00             | 39°31'51.1556"N | 80°28'42.3422"W | 3555.77              | 317.447            | 0.89             | -0.09                   | -0.88                  |          |
| 11336.00   | 89.760             | 334.520        | 7754.58     | 6408.58       | 3542.26           | 2705.16       | -2445.45     | 1733388.62           | 376954.80             | 39°31'51.9993"N | 80°28'42.8744"W | 3646.67              | 317.888            | 0.53             | -0.52                   | -0.11                  |          |
| 11430.00   | 89.970             | 334.430        | 7754.80     | 6408.80       | 3636.14           | 2789.99       | -2485.97     | 1733348.42           | 377039.62             | 39°31'52.8334"N | 80°28'43.4027"W | 3736.85              | 318.298            | 0.24             | 0.22                    | -0.10                  |          |
| 11525.00   | 89.880             | 334.630        | 7754.92     | 6408.92       | 3731.02           | 2875.75       | -2526.82     | 1733307.56           | 377125.39             | 39°31'53.6769"N | 80°28'43.9356"W | 3828.16              | 318.695            | 0.23             | -0.09                   | 0.21                   |          |
| 11620.00   | 89.980             | 334.500        | 7755.04     | 6409.04       | 3825.90           | 2961.55       | -2567.62     | 1733266.76           | 377211.18             | 39°31'54.5205"N | 80°28'44.4679"W | 3919.62              | 319.075            | 0.17             | 0.11                    | -0.14                  |          |
| 11715.00   | 89.820             | 334.510        | 7755.20     | 6409.20       | 3920.78           | 3047.29       | -2608.51     | 1733225.87           | 377296.93             | 39°31'55.3638"N | 80°28'45.0013"W | 4011.28              | 319.436            | 0.17             | -0.17                   | 0.01                   |          |
| 11810.00   | 89.940             | 334.520        | 7755.40     | 6409.40       | 4015.65           | 3133.09       | -2649.32     | 1733185.07           | 377382.72             | 39°31'56.2074"N | 80°28'45.5335"W | 4103.06              | 319.782            | 0.17             | 0.13                    | 0.12                   |          |
| 11905.00   | 89.880             | 334.630        | 7755.55     | 6409.55       | 4110.52           | 3218.92       | -2690.03     | 1733144.36           | 377468.55             | 39°31'57.0515"N | 80°28'46.0646"W | 4194.96              | 320.115            | 0.06             | -0.06                   | 0.01                   |          |
| 11999.00   | 89.820             | 334.530        | 7755.80     | 6409.80       | 4204.40           | 3303.82       | -2730.38     | 1733104.01           | 377553.45             | 39°31'57.8864"N | 80°28'46.5910"W | 4286.05              | 320.429            | 0.12             | -0.06                   | -0.11                  |          |
| 12095.00   | 89.880             | 334.510        | 7756.05     | 6410.05       | 4300.28           | 3390.48       | -2771.68     | 1733062.71           | 377640.12             | 39°31'58.7386"N | 80°28'47.1298"W | 4379.22              | 320.734            | 0.07             | 0.06                    | -0.02                  |          |
| 12190.00   | 90.010             | 334.570        | 7756.14     | 6410.14       | 4395.15           | 3476.26       | -2812.51     | 1733021.87           | 377725.89             | 39°31'59.5821"N | 80°28'47.6625"W | 4471.53              | 321.025            | 0.15             | 0.14                    | 0.06                   |          |
| 12285.00   | 89.790             | 334.150        | 7756.31     | 6410.31       | 4490.05           | 3561.90       | -2853.82     | 1732980.76           | 377811.53             | 39°32'00.4243"N | 80°28'48.1987"W | 4564.02              | 321.300            | 0.50             | -0.23                   | -0.44                  |          |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD [ft]  | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude        | Longitude       | Closure Dist [ft] | Closure Dir [°] | DLS ["/100ft] | Build Rate ["/100ft] | Turn Rate ["/100ft] | Comments |
|----------|-----------------|-------------|----------|------------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|----------|
| 12380.00 | 89.910          | 334.950     | 7756.55  | 6410.55    | 4584.92        | 3647.68    | -2894.44  | 1732939.94        | 377897.31          | 39°32'1.2678"N  | 80°26'48.7313"W | 4656.54           | 321.568         | 0.85          | 0.13                 | 0.84                |          |
| 12474.00 | 89.850          | 334.720     | 7756.75  | 6410.75    | 4678.77        | 3732.76    | -2934.42  | 1732899.97        | 377982.39          | 39°32'2.1045"N  | 80°26'49.2528"W | 4748.08           | 321.828         | 0.25          | -0.06                | -0.24               |          |
| 12569.00 | 89.820          | 334.750     | 7757.03  | 6411.03    | 4773.63        | 3818.67    | -2974.96  | 1732859.42        | 378068.30          | 39°32'2.9494"N  | 80°26'49.7818"W | 4840.73           | 322.079         | 0.04          | -0.03                | 0.03                |          |
| 12665.00 | 89.980          | 334.850     | 7757.19  | 6411.19    | 4869.49        | 3905.54    | -3015.84  | 1732818.55        | 378155.17          | 39°32'3.8036"N  | 80°26'50.3153"W | 4934.42           | 322.325         | 0.20          | 0.17                 | 0.10                |          |
| 12760.00 | 90.070          | 334.520     | 7757.15  | 6411.15    | 4964.35        | 3991.45    | -3056.38  | 1732778.00        | 378241.08          | 39°32'4.6485"N  | 80°26'50.8443"W | 5027.24           | 322.558         | 0.26          | 0.09                 | -0.24               |          |
| 12855.00 | 89.880          | 334.450     | 7757.19  | 6411.19    | 5059.22        | 4077.22    | -3097.23  | 1732737.16        | 378326.85          | 39°32'5.4919"N  | 80°26'51.3772"W | 5120.21           | 322.778         | 0.27          | -0.20                | -0.18               |          |
| 12950.00 | 90.010          | 334.560     | 7757.28  | 6411.28    | 5154.11        | 4162.97    | -3138.12  | 1732696.27        | 378412.60          | 39°32'6.3351"N  | 80°26'51.9107"W | 5213.26           | 322.990         | 0.18          | 0.14                 | 0.12                |          |
| 13045.00 | 89.910          | 334.550     | 7757.35  | 6411.35    | 5248.98        | 4248.75    | -3178.94  | 1732655.45        | 378498.38          | 39°32'7.1787"N  | 80°26'52.4432"W | 5306.37           | 323.196         | 0.11          | -0.11                | -0.01               |          |
| 13139.00 | 89.940          | 334.100     | 7757.47  | 6411.47    | 5342.88        | 4333.47    | -3219.66  | 1732614.72        | 378583.10          | 39°32'8.0118"N  | 80°26'52.9744"W | 5398.63           | 323.389         | 0.48          | 0.03                 | -0.48               |          |
| 13234.00 | 90.040          | 334.780     | 7757.49  | 6411.49    | 5437.78        | 4419.17    | -3260.65  | 1732573.73        | 378668.80          | 39°32'8.8545"N  | 80°26'53.5081"W | 5491.80           | 323.579         | 0.72          | 0.11                 | 0.72                |          |
| 13329.00 | 89.980          | 334.630     | 7757.47  | 6411.47    | 5532.63        | 4505.06    | -3301.24  | 1732533.14        | 378754.70          | 39°32'9.6992"N  | 80°26'54.0387"W | 5585.14           | 323.767         | 0.17          | -0.06                | -0.16               |          |
| 13424.00 | 90.130          | 334.760     | 7757.38  | 6411.38    | 5627.49        | 4590.95    | -3341.85  | 1732492.54        | 378840.58          | 39°32'10.5438"N | 80°26'54.5686"W | 5678.45           | 323.948         | 0.21          | 0.16                 | 0.14                |          |
| 13519.00 | 89.880          | 334.580     | 7757.37  | 6411.37    | 5722.36        | 4676.82    | -3382.49  | 1732451.89        | 378926.45          | 39°32'11.3882"N | 80°26'55.0989"W | 5771.82           | 324.124         | 0.32          | -0.26                | -0.19               |          |
| 13614.00 | 90.040          | 334.600     | 7757.44  | 6411.44    | 5817.23        | 4762.62    | -3423.26  | 1732411.13        | 379012.26          | 39°32'12.2320"N | 80°26'55.6307"W | 5865.26           | 324.292         | 0.17          | 0.17                 | 0.02                |          |
| 13708.00 | 90.100          | 334.550     | 7757.33  | 6411.33    | 5911.30        | 4847.52    | -3463.61  | 1732370.77        | 379097.15          | 39°32'13.0668"N | 80°26'56.1571"W | 5957.17           | 324.454         | 0.08          | 0.06                 | -0.05               |          |
| 13803.00 | 90.100          | 334.580     | 7757.16  | 6411.16    | 6005.98        | 4933.31    | -3504.42  | 1732329.97        | 379182.94          | 39°32'13.9105"N | 80°26'56.6896"W | 6051.32           | 324.612         | 0.03          | 0.00                 | 0.03                |          |
| 13898.00 | 90.160          | 334.670     | 7756.94  | 6410.94    | 6100.85        | 5019.15    | -3545.13  | 1732289.26        | 379268.78          | 39°32'14.7546"N | 80°26'57.2208"W | 6144.90           | 324.766         | 0.11          | 0.06                 | 0.09                |          |
| 13993.00 | 90.070          | 334.730     | 7756.75  | 6410.75    | 6195.71        | 5105.03    | -3585.73  | 1732248.56        | 379354.66          | 39°32'15.5992"N | 80°26'57.7506"W | 6238.49           | 324.916         | 0.11          | -0.09                | 0.06                |          |
| 14088.00 | 90.010          | 334.500     | 7756.69  | 6410.69    | 6290.58        | 5190.86    | -3626.45  | 1732207.94        | 379440.49          | 39°32'16.4432"N | 80°26'58.2820"W | 6332.16           | 325.061         | 0.25          | -0.06                | -0.24               |          |
| 14182.00 | 90.070          | 334.670     | 7756.67  | 6410.67    | 6384.46        | 5275.76    | -3666.79  | 1732167.59        | 379526.39          | 39°32'17.2781"N | 80°26'58.8084"W | 6424.86           | 325.200         | 0.18          | 0.00                 | 0.18                |          |
| 14278.00 | 90.070          | 334.650     | 7756.60  | 6410.60    | 6480.33        | 5362.53    | -3707.88  | 1732126.51        | 379612.16          | 39°32'18.1313"N | 80°26'59.3445"W | 6519.59           | 325.338         | 0.07          | 0.06                 | -0.02               |          |
| 14373.00 | 90.040          | 334.650     | 7756.51  | 6410.51    | 6575.19        | 5448.38    | -3748.56  | 1732085.83        | 379698.01          | 39°32'18.9756"N | 80°26'59.8752"W | 6613.36           | 325.472         | 0.03          | -0.03                | 0.00                |          |
| 14468.00 | 89.540          | 334.440     | 7756.86  | 6410.86    | 6670.07        | 5534.16    | -3789.39  | 1732045.00        | 379783.79          | 39°32'19.8191"N | 80°27'0.4080"W  | 6707.19           | 325.600         | 0.57          | -0.53                | -0.22               |          |
| 14563.00 | 89.210          | 334.450     | 7757.90  | 6411.90    | 6764.95        | 5618.86    | -3830.36  | 1732004.02        | 379869.49          | 39°32'20.6618"N | 80°27'0.9426"W  | 6801.07           | 325.723         | 0.35          | -0.35                | 0.01                |          |
| 14658.00 | 89.570          | 334.310     | 7758.92  | 6412.92    | 6860.83        | 5706.41    | -3871.87  | 1731962.52        | 379956.04          | 39°32'21.5129"N | 80°27'1.4541"W  | 6895.98           | 325.843         | 0.45          | 0.37                 | -1.15               |          |
| 14754.00 | 89.820          | 334.170     | 7759.42  | 6413.42    | 6955.73        | 5791.97    | -3913.16  | 1731921.23        | 380041.60          | 39°32'22.3542"N | 80°27'2.0226"W  | 6989.98           | 325.956         | 0.30          | 0.26                 | -0.15               |          |
| 14849.00 | 89.790          | 334.240     | 7759.75  | 6413.75    | 7050.64        | 5877.51    | -3954.50  | 1731879.89        | 380127.13          | 39°32'23.1952"N | 80°27'2.5618"W  | 7084.01           | 326.067         | 0.08          | -0.03                | 0.07                |          |
| 14943.00 | 89.880          | 334.760     | 7760.02  | 6414.02    | 7144.52        | 5962.35    | -3994.97  | 1731839.42        | 380211.98          | 39°32'24.0295"N | 80°27'3.0898"W  | 7177.00           | 326.177         | 0.56          | 0.10                 | 0.55                |          |
| 15038.00 | 89.820          | 334.550     | 7760.27  | 6414.27    | 7239.38        | 6048.20    | -4035.63  | 1731798.76        | 380297.83          | 39°32'24.8738"N | 80°27'3.6205"W  | 7270.96           | 326.287         | 0.23          | -0.06                | -0.22               |          |
| 15132.00 | 89.820          | 334.620     | 7760.56  | 6414.56    | 7333.25        | 6133.11    | -4075.97  | 1731758.41        | 380382.73          | 39°32'25.7087"N | 80°27'4.1469"W  | 7364.00           | 326.393         | 0.07          | 0.00                 | 0.07                |          |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD (ft)  | Inclination (°) | Azimuth (°) | TVD (ft) | TVDSS (ft) | Vert Sect (ft) | North (ft) | East (ft) | Grid East (US ft) | Grid North (US ft) | Latitude        | Longitude       | Closure Dist (ft) | Closure Dir (°) | DLS (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Comments |
|----------|-----------------|-------------|----------|------------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|----------|
| 15228.00 | 89.880          | 334.870     | 7760.81  | 6414.81    | 7429.12        | 6219.93    | -4116.93  | 1731717.46        | 380469.56          | 39°32'26.5625"N | 80°27'4.6814"W  | 7459.00           | 326.500         | 0.27          | 0.06                 | 0.26                |          |
| 15323.00 | 89.910          | 334.650     | 7760.99  | 6414.99    | 7523.98        | 6305.86    | -4157.44  | 1731676.95        | 380555.49          | 39°32'27.4075"N | 80°27'5.2101"W  | 7553.03           | 326.603         | 0.23          | 0.03                 | -0.23               |          |
| 15418.00 | 89.760          | 334.690     | 7761.26  | 6415.26    | 7618.84        | 6391.73    | -4198.08  | 1731636.30        | 380641.35          | 39°32'28.2519"N | 80°27'5.7405"W  | 7647.10           | 326.703         | 0.18          | -0.16                | -0.04               |          |
| 15512.00 | 90.010          | 334.510     | 7761.45  | 6415.45    | 7712.71        | 6476.64    | -4238.40  | 1731595.98        | 380726.27          | 39°32'29.0869"N | 80°27'6.2666"W  | 7740.22           | 326.799         | 0.33          | 0.27                 | -0.19               |          |
| 15607.00 | 89.910          | 334.650     | 7761.52  | 6415.52    | 7807.59        | 6562.44    | -4279.18  | 1731555.21        | 380812.07          | 39°32'29.9307"N | 80°27'6.7988"W  | 7834.35           | 326.893         | 0.18          | -0.11                | 0.15                |          |
| 15702.00 | 89.940          | 334.560     | 7761.64  | 6415.64    | 7902.46        | 6648.26    | -4319.92  | 1731514.46        | 380897.89          | 39°32'30.7746"N | 80°27'7.3304"W  | 7928.50           | 326.985         | 0.10          | 0.03                 | -0.09               |          |
| 15796.00 | 89.970          | 334.810     | 7761.71  | 6415.71    | 7996.33        | 6733.24    | -4360.12  | 1731474.27        | 380982.86          | 39°32'31.6102"N | 80°27'7.8550"W  | 8021.66           | 327.075         | 0.27          | 0.03                 | 0.27                |          |
| 15891.00 | 90.000          | 334.620     | 7761.74  | 6415.74    | 8091.19        | 6819.13    | -4400.69  | 1731433.69        | 381068.76          | 39°32'32.4549"N | 80°27'8.3845"W  | 8115.83           | 327.164         | 0.20          | 0.03                 | -0.20               |          |
| 15986.00 | 90.010          | 335.460     | 7761.73  | 6415.73    | 8186.02        | 6905.26    | -4440.78  | 1731393.61        | 381154.89          | 39°32'33.3019"N | 80°27'8.9079"W  | 8209.94           | 327.255         | 0.88          | 0.01                 | 0.88                |          |
| 16081.00 | 90.040          | 335.900     | 7761.69  | 6415.69    | 8280.80        | 6991.73    | -4480.13  | 1731354.26        | 381241.35          | 39°32'34.1524"N | 80°27'9.4219"W  | 8303.97           | 327.349         | 0.15          | 0.03                 | 0.15                |          |
| 16176.00 | 90.010          | 335.680     | 7761.65  | 6415.65    | 8375.57        | 7078.27    | -4519.32  | 1731315.07        | 381327.90          | 39°32'35.0036"N | 80°27'9.9338"W  | 8397.98           | 327.443         | 0.09          | -0.03                | 0.08                |          |
| 16271.00 | 89.880          | 335.710     | 7761.74  | 6415.74    | 8470.33        | 7164.85    | -4558.42  | 1731275.97        | 381414.48          | 39°32'35.8552"N | 80°27'10.4446"W | 8492.01           | 327.535         | 0.14          | -0.14                | 0.03                |          |
| 16366.00 | 89.910          | 335.710     | 7761.91  | 6415.91    | 8565.09        | 7251.44    | -4597.50  | 1731236.89        | 381501.07          | 39°32'36.7059"N | 80°27'10.9552"W | 8586.06           | 327.625         | 0.03          | 0.03                 | 0.00                |          |
| 16461.00 | 89.850          | 335.690     | 7762.11  | 6416.11    | 8659.85        | 7338.02    | -4636.59  | 1731197.80        | 381587.85          | 39°32'37.5585"N | 80°27'11.4659"W | 8680.12           | 327.713         | 0.07          | -0.06                | -0.02               |          |
| 16556.00 | 90.040          | 335.630     | 7762.20  | 6416.20    | 8754.61        | 7424.58    | -4675.75  | 1731158.84        | 381674.20          | 39°32'38.4099"N | 80°27'11.9774"W | 8774.22           | 327.799         | 0.21          | 0.20                 | -0.06               |          |
| 16651.00 | 90.000          | 335.690     | 7762.17  | 6416.17    | 8849.38        | 7511.12    | -4714.92  | 1731119.47        | 381760.75          | 39°32'39.2611"N | 80°27'12.4892"W | 8868.34           | 327.882         | 0.05          | -0.04                | 0.03                |          |
| 16745.00 | 89.880          | 335.770     | 7762.27  | 6416.27    | 8943.14        | 7596.81    | -4753.58  | 1731080.81        | 381846.43          | 39°32'40.1039"N | 80°27'12.9943"W | 8961.47           | 327.964         | 0.17          | -0.13                | 0.12                |          |
| 16840.00 | 89.790          | 335.010     | 7762.54  | 6416.54    | 9037.93        | 7683.18    | -4793.14  | 1731041.25        | 381932.80          | 39°32'40.9534"N | 80°27'13.5110"W | 9055.68           | 328.042         | 0.81          | -0.09                | -0.80               |          |
| 16935.00 | 90.000          | 335.710     | 7762.72  | 6416.72    | 9132.73        | 7769.53    | -4832.75  | 1731001.64        | 382019.15          | 39°32'41.8026"N | 80°27'14.0283"W | 9149.92           | 328.118         | 0.77          | 0.22                 | 0.74                |          |
| 17030.00 | 89.910          | 335.510     | 7762.79  | 6416.79    | 9227.50        | 7856.05    | -4871.96  | 1730962.41        | 382105.67          | 39°32'42.6536"N | 80°27'14.5408"W | 9244.12           | 328.185         | 0.23          | -0.09                | -0.21               |          |
| 17125.00 | 89.670          | 335.060     | 7763.14  | 6417.14    | 9323.31        | 7943.25    | -4912.12  | 1730922.27        | 382192.88          | 39°32'43.5113"N | 80°27'15.0650"W | 9339.39           | 328.267         | 0.53          | -0.25                | -0.47               |          |
| 17221.00 | 89.910          | 335.790     | 7763.49  | 6417.49    | 9418.10        | 8029.65    | -4951.63  | 1730882.76        | 382279.27          | 39°32'44.3610"N | 80°27'15.5810"W | 9433.65           | 328.339         | 0.81          | 0.25                 | 0.77                |          |
| 17316.00 | 89.940          | 335.740     | 7763.62  | 6417.62    | 9512.85        | 8116.27    | -4990.62  | 1730843.77        | 382365.90          | 39°32'45.2131"N | 80°27'16.0906"W | 9527.86           | 328.413         | 0.06          | 0.03                 | -0.05               |          |
| 17411.00 | 90.000          | 335.650     | 7763.67  | 6417.67    | 9607.61        | 8202.85    | -5029.72  | 1730804.67        | 382452.48          | 39°32'46.0646"N | 80°27'16.6015"W | 9622.11           | 328.485         | 0.11          | 0.06                 | -0.09               |          |
| 17506.00 | 90.400          | 335.760     | 7763.84  | 6417.84    | 9701.37        | 8288.53    | -5068.40  | 1730765.99        | 382538.15          | 39°32'46.9073"N | 80°27'17.1068"W | 9715.37           | 328.554         | 0.44          | 0.43                 | 0.12                |          |
| 17601.00 | 90.280          | 335.580     | 7762.77  | 6416.77    | 9797.13        | 8376.00    | -5107.95  | 1730726.44        | 382625.62          | 39°32'47.7677"N | 80°27'17.6235"W | 9810.63           | 328.624         | 0.23          | -0.12                | -0.19               |          |
| 17695.00 | 90.340          | 335.820     | 7762.26  | 6416.26    | 9890.89        | 8461.67    | -5146.63  | 1730687.76        | 382711.29          | 39°32'48.6103"N | 80°27'18.1289"W | 9903.92           | 328.691         | 0.26          | 0.06                 | 0.26                |          |
| 17791.00 | 90.250          | 335.640     | 7761.77  | 6415.77    | 9986.65        | 8549.18    | -5186.09  | 1730648.30        | 382798.81          | 39°32'49.4711"N | 80°27'18.6445"W | 9999.20           | 328.758         | 0.21          | -0.09                | -0.19               |          |
| 17886.00 | 90.340          | 335.660     | 7761.28  | 6415.28    | 10081.41       | 8635.73    | -5225.26  | 1730609.13        | 382885.36          | 39°32'50.3224"N | 80°27'19.1563"W | 10093.52          | 328.823         | 0.10          | 0.09                 | 0.02                |          |
| 17981.00 | 90.370          | 335.700     | 7760.69  | 6414.69    | 10176.17       | 8722.30    | -5264.36  | 1730570.01        | 382971.92          | 39°32'51.1738"N | 80°27'19.6674"W | 10187.85          | 328.887         | 0.05          | 0.03                 | 0.04                |          |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | TVDSS<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] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|----------|
| 18077.00   | 89.820             | 335.470        | 7760.53     | 6414.53       | 10271.94          | 8809.72       | -5304.06     | 1730530.33           | 383059.34             | 39°32'52.0336"N | 80°27'20.1859"W | 10283.20             | 329.949            | 0.82             | -0.57                   | -0.24                  |          |
| 18171.00   | 90.000             | 335.660        | 7760.68     | 6414.68       | 10365.72          | 8895.30       | -5342.95     | 1730491.44           | 383144.92             | 39°32'52.8753"N | 80°27'20.6939"W | 10376.58             | 329.009            | 0.28             | 0.19                    | 0.20                   |          |
| 18266.00   | 89.970             | 335.870        | 7760.70     | 6414.70       | 10460.47          | 8981.92       | -5381.94     | 1730452.45           | 383231.55             | 39°32'53.7274"N | 80°27'21.2034"W | 10470.92             | 329.070            | 0.22             | -0.03                   | 0.22                   |          |
| 18361.00   | 89.940             | 335.620        | 7760.78     | 6414.78       | 10555.23          | 9068.54       | -5420.97     | 1730413.42           | 383318.18             | 39°32'54.5793"N | 80°27'21.7134"W | 10565.29             | 329.130            | 0.27             | -0.03                   | -0.26                  |          |
| 18455.00   | 90.160             | 335.730        | 7760.69     | 6414.69       | 10649.99          | 9155.10       | -5460.10     | 1730374.29           | 383404.73             | 39°32'55.4808"N | 80°27'22.2247"W | 10659.87             | 329.188            | 0.26             | 0.23                    | 0.12                   |          |
| 18552.00   | 89.880             | 335.820        | 7760.66     | 6414.66       | 10745.74          | 9242.65       | -5499.49     | 1730334.90           | 383492.27             | 39°32'56.2919"N | 80°27'22.7394"W | 10755.04             | 329.247            | 0.31             | -0.29                   | 0.09                   |          |
| 18646.00   | 89.970             | 335.670        | 7760.78     | 6414.78       | 10839.50          | 9328.35       | -5538.11     | 1730296.29           | 383577.97             | 39°32'57.1348"N | 80°27'23.2440"W | 10848.45             | 329.303            | 0.19             | 0.10                    | -0.16                  |          |
| 18742.00   | 90.000             | 335.830        | 7760.81     | 6414.81       | 10935.25          | 9415.88       | -5577.53     | 1730256.86           | 383665.50             | 39°32'57.9958"N | 80°27'23.7593"W | 10943.84             | 329.359            | 0.17             | 0.03                    | 0.17                   |          |
| 18837.00   | 89.880             | 335.730        | 7760.91     | 6414.91       | 11030.00          | 9502.52       | -5616.51     | 1730217.88           | 383752.14             | 39°32'58.8479"N | 80°27'24.2686"W | 11038.25             | 329.415            | 0.16             | -0.13                   | -0.11                  |          |
| 18932.00   | 89.860             | 334.250        | 7761.29     | 6415.29       | 11124.84          | 9566.81       | -5656.87     | 1730177.72           | 383838.25             | 39°32'59.6945"N | 80°27'24.7930"W | 11132.80             | 329.482            | 1.57             | -0.23                   | -1.56                  |          |
| 19027.00   | 90.280             | 334.580        | 7761.34     | 6415.34       | 11219.72          | 9674.29       | -5697.70     | 1730136.70           | 383923.91             | 39°33'0.5371"N  | 80°27'25.3284"W | 11227.45             | 329.504            | 0.74             | 0.65                    | 0.35                   |          |
| 19122.00   | 89.700             | 333.090        | 7761.35     | 6415.35       | 11314.65          | 9759.55       | -5739.58     | 1730094.81           | 384009.17             | 39°33'1.3753"N  | 80°27'25.8747"W | 11322.18             | 329.540            | 1.68             | -0.61                   | -1.57                  |          |
| 19217.00   | 90.030             | 334.700        | 7761.58     | 6415.58       | 11409.57          | 9844.86       | -5781.38     | 1730053.01           | 384094.48             | 39°33'2.2140"N  | 80°27'26.4199"W | 11416.90             | 329.578            | 1.73             | 0.35                    | 1.69                   |          |
| 19312.00   | 90.530             | 335.100        | 7761.11     | 6415.11       | 11504.41          | 9930.89       | -5821.68     | 1730012.71           | 384180.51             | 39°33'3.0600"N  | 80°27'26.9461"W | 11511.50             | 329.620            | 0.67             | 0.53                    | 0.42                   |          |
| 19407.00   | 90.070             | 334.710        | 7761.62     | 6415.62       | 11599.28          | 10016.42      | -5861.97     | 1729972.42           | 384266.54             | 39°33'3.9060"N  | 80°27'27.4722"W | 11606.09             | 329.664            | 0.84             | -0.46                   | -0.41                  |          |
| 19502.00   | 89.880             | 334.680        | 7760.66     | 6414.66       | 11694.12          | 10102.80      | -5902.58     | 1729931.81           | 384352.42             | 39°33'4.7506"N  | 80°27'28.0022"W | 11700.73             | 329.704            | 0.20             | -0.20                   | -0.03                  |          |
| 19597.00   | 89.880             | 334.540        | 7760.86     | 6414.86       | 11788.99          | 10188.63      | -5943.31     | 1729891.08           | 384438.25             | 39°33'5.5945"N  | 80°27'28.5339"W | 11795.38             | 329.744            | 0.15             | 0.00                    | -0.15                  |          |
| 19692.00   | 90.000             | 334.450        | 7760.96     | 6414.96       | 11883.87          | 10274.37      | -5984.22     | 1729850.17           | 384523.99             | 39°33'6.4376"N  | 80°27'29.0678"W | 11890.06             | 329.782            | 0.16             | 0.13                    | -0.09                  |          |
| 19787.00   | 89.850             | 334.580        | 7761.08     | 6415.08       | 11978.75          | 10360.12      | -6025.10     | 1729809.30           | 384609.74             | 39°33'7.2809"N  | 80°27'29.6013"W | 11984.74             | 329.819            | 0.21             | -0.16                   | 0.14                   |          |
| 19882.00   | 89.730             | 334.520        | 7761.43     | 6415.43       | 12073.63          | 10445.91      | -6065.92     | 1729768.47           | 384695.52             | 39°33'8.1243"N  | 80°27'30.1342"W | 12079.42             | 329.856            | 0.14             | -0.13                   | -0.06                  |          |
| 19977.00   | 90.030             | 334.850        | 7761.63     | 6415.63       | 12168.49          | 10531.78      | -6106.54     | 1729727.85           | 384781.40             | 39°33'8.9688"N  | 80°27'30.6645"W | 12174.08             | 329.894            | 0.47             | 0.32                    | 0.35                   |          |
| 20072.00   | 89.730             | 334.460        | 7761.83     | 6415.83       | 12263.36          | 10617.64      | -6147.21     | 1729687.19           | 384867.26             | 39°33'9.8131"N  | 80°27'31.1953"W | 12268.76             | 329.931            | 0.52             | -0.32                   | -0.41                  |          |
| 20167.00   | 89.420             | 333.980        | 7762.53     | 6416.53       | 12358.26          | 10703.18      | -6188.52     | 1729645.87           | 384952.80             | 39°33'10.6541"N | 80°27'31.7344"W | 12363.49             | 329.964            | 0.60             | -0.33                   | -0.51                  |          |
| 20262.00   | 89.790             | 334.710        | 7763.19     | 6417.19       | 12453.15          | 10788.81      | -6229.65     | 1729604.74           | 385038.43             | 39°33'11.4961"N | 80°27'32.2712"W | 12458.21             | 329.997            | 0.86             | 0.39                    | 0.77                   |          |
| 20357.00   | 90.000             | 334.760        | 7763.36     | 6417.36       | 12548.01          | 10874.72      | -6270.20     | 1729564.19           | 385124.34             | 39°33'12.3409"N | 80°27'32.8005"W | 12552.89             | 330.033            | 0.23             | 0.22                    | 0.05                   |          |
| 20452.00   | 90.000             | 334.690        | 7763.36     | 6417.36       | 12642.87          | 10960.83      | -6310.76     | 1729523.63           | 385210.25             | 39°33'13.1857"N | 80°27'33.3301"W | 12647.57             | 330.068            | 0.07             | 0.00                    | -0.07                  |          |
| 20548.00   | 89.910             | 334.510        | 7763.44     | 6417.44       | 12738.74          | 11047.35      | -6351.94     | 1729482.46           | 385296.97             | 39°33'14.0384"N | 80°27'33.8676"W | 12743.27             | 330.102            | 0.21             | -0.09                   | -0.19                  |          |
| 20643.00   | 89.910             | 334.650        | 7763.59     | 6417.59       | 12833.62          | 11133.15      | -6392.72     | 1729441.68           | 385382.77             | 39°33'14.8821"N | 80°27'34.3989"W | 12837.99             | 330.135            | 0.15             | 0.00                    | 0.15                   |          |
| 20738.00   | 89.910             | 334.620        | 7763.73     | 6417.73       | 12928.49          | 11218.99      | -6433.41     | 1729400.98           | 385468.61             | 39°33'15.7262"N | 80°27'34.9312"W | 12932.70             | 330.168            | 0.03             | 0.00                    | -0.03                  |          |
| 20834.00   | 89.940             | 334.700        | 7763.86     | 6417.86       | 13024.35          | 11305.76      | -6474.50     | 1729359.89           | 385555.37             | 39°33'16.5784"N | 80°27'35.4675"W | 13028.40             | 330.201            | 0.09             | 0.03                    | 0.08                   |          |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | TVDSS<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] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments              |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|-----------------------|
| 20928.00   | 90.030             | 334.560        | 7763.88     | 6417.88       | 13118.22          | 11390.69      | -6514.77     | 1729319.62           | 385640.31             | 39°33'17.4146"N | 80°27'35.9933"W | 13122.12             | 330.233            | 0.18             | 0.10                    | -0.15                  | Deepest Point of Well |
| 21023.00   | 90.220             | 334.430        | 7763.68     | 6417.68       | 13213.11          | 11476.43      | -6555.68     | 1729278.71           | 385726.05             | 39°33'18.2577"N | 80°27'36.5272"W | 13216.86             | 330.264            | 0.24             | 0.20                    | -0.14                  |                       |
| 21119.00   | 90.160             | 334.670        | 7763.36     | 6417.36       | 13308.98          | 11563.12      | -6596.93     | 1729237.46           | 385812.73             | 39°33'19.1100"N | 80°27'37.0657"W | 13312.60             | 330.295            | 0.26             | -0.06                   | 0.25                   |                       |
| 21214.00   | 90.190             | 334.590        | 7763.07     | 6417.07       | 13403.85          | 11648.96      | -6637.84     | 1729196.76           | 385898.57             | 39°33'19.9541"N | 80°27'37.5971"W | 13407.33             | 330.325            | 0.09             | 0.03                    | -0.08                  |                       |
| 21309.00   | 90.160             | 334.510        | 7762.78     | 6416.78       | 13498.73          | 11734.74      | -6678.46     | 1729155.93           | 385984.35             | 39°33'20.7976"N | 80°27'38.1300"W | 13502.07             | 330.355            | 0.09             | -0.03                   | -0.08                  |                       |
| 21404.00   | 90.190             | 334.530        | 7762.49     | 6416.49       | 13593.60          | 11820.50      | -6719.33     | 1729115.06           | 386070.11             | 39°33'21.6408"N | 80°27'38.6635"W | 13596.82             | 330.384            | 0.04             | 0.03                    | 0.02                   |                       |
| 21499.00   | 90.160             | 334.650        | 7762.20     | 6416.20       | 13688.48          | 11906.30      | -6760.09     | 1729074.30           | 386155.92             | 39°33'22.4846"N | 80°27'39.1956"W | 13691.56             | 330.413            | 0.13             | -0.03                   | 0.13                   |                       |
| 21595.00   | 90.220             | 334.680        | 7761.88     | 6415.88       | 13784.34          | 11993.07      | -6801.17     | 1729033.22           | 386242.69             | 39°33'23.3378"N | 80°27'39.7320"W | 13787.30             | 330.443            | 0.07             | 0.06                    | 0.03                   |                       |
| 21690.00   | 90.160             | 334.530        | 7761.57     | 6415.57       | 13879.21          | 12078.89      | -6841.91     | 1728992.48           | 386328.51             | 39°33'24.1817"N | 80°27'40.2838"W | 13882.05             | 330.471            | 0.17             | -0.08                   | -0.16                  |                       |
| 21784.00   | 90.160             | 334.690        | 7761.30     | 6415.30       | 13973.09          | 12163.81      | -6882.22     | 1728952.18           | 386413.43             | 39°33'25.0167"N | 80°27'40.7500"W | 13975.81             | 330.499            | 0.17             | 0.00                    | 0.17                   |                       |
| 21880.00   | 90.160             | 334.600        | 7761.03     | 6415.03       | 14068.95          | 12250.56      | -6923.33     | 1728911.07           | 386500.18             | 39°33'25.8697"N | 80°27'41.3267"W | 14071.56             | 330.527            | 0.09             | 0.00                    | -0.09                  |                       |
| 21975.00   | 90.160             | 334.650        | 7760.77     | 6414.77       | 14163.82          | 12336.40      | -6964.04     | 1728870.35           | 386586.01             | 39°33'26.7138"N | 80°27'41.8582"W | 14166.32             | 330.555            | 0.05             | 0.00                    | 0.05                   |                       |
| 22069.00   | 90.130             | 334.560        | 7760.53     | 6414.53       | 14257.70          | 12421.31      | -7004.35     | 1728830.04           | 386670.93             | 39°33'27.5487"N | 80°27'42.3845"W | 14260.08             | 330.581            | 0.10             | -0.03                   | -0.10                  |                       |
| 22165.00   | 89.910             | 334.710        | 7760.50     | 6414.50       | 14353.56          | 12508.06      | -7045.48     | 1728788.92           | 386757.67             | 39°33'28.4017"N | 80°27'42.9214"W | 14355.85             | 330.609            | 0.28             | -0.23                   | 0.16                   |                       |
| 22260.00   | 90.310             | 334.520        | 7760.32     | 6414.32       | 14448.43          | 12593.89      | -7086.20     | 1728748.19           | 386843.50             | 39°33'29.2457"N | 80°27'43.4531"W | 14450.81             | 330.635            | 0.47             | -0.42                   | -0.20                  |                       |
| 22355.00   | 90.160             | 334.670        | 7759.93     | 6413.93       | 14543.31          | 12679.70      | -7126.96     | 1728707.44           | 386929.31             | 39°33'30.0895"N | 80°27'43.9852"W | 14545.39             | 330.661            | 0.22             | -0.16                   | 0.16                   |                       |
| 22449.00   | 90.370             | 334.510        | 7759.49     | 6413.49       | 14637.18          | 12764.60      | -7167.29     | 1728667.10           | 387014.22             | 39°33'30.9243"N | 80°27'44.5118"W | 14639.17             | 330.686            | 0.28             | 0.22                    | -0.17                  |                       |
| 22544.00   | 90.280             | 334.630        | 7758.95     | 6412.95       | 14732.05          | 12850.40      | -7208.09     | 1728626.31           | 387100.01             | 39°33'31.7679"N | 80°27'45.0443"W | 14733.95             | 330.711            | 0.16             | -0.09                   | 0.13                   |                       |
| 22639.00   | 90.310             | 334.520        | 7758.46     | 6412.46       | 14826.93          | 12936.20      | -7248.87     | 1728585.52           | 387185.81             | 39°33'32.6116"N | 80°27'45.5768"W | 14828.73             | 330.736            | 0.12             | 0.03                    | -0.12                  |                       |
| 22734.00   | 90.280             | 334.620        | 7757.97     | 6411.97       | 14921.80          | 13021.99      | -7289.68     | 1728544.73           | 387271.61             | 39°33'33.4552"N | 80°27'46.1034"W | 14923.52             | 330.760            | 0.11             | -0.03                   | 0.11                   |                       |
| 22829.00   | 90.280             | 334.240        | 7757.51     | 6411.51       | 15016.69          | 13107.69      | -7330.67     | 1728503.73           | 387357.30             | 39°33'34.2978"N | 80°27'46.6446"W | 15018.33             | 330.783            | 0.40             | 0.00                    | -0.40                  |                       |
| 22924.00   | 90.370             | 334.700        | 7756.97     | 6410.97       | 15111.57          | 13193.41      | -7371.61     | 1728462.78           | 387443.02             | 39°33'35.1407"N | 80°27'47.1791"W | 15113.13             | 330.806            | 0.49             | 0.09                    | 0.48                   |                       |
| 23019.00   | 90.220             | 335.520        | 7756.48     | 6410.48       | 15206.39          | 13279.58      | -7411.59     | 1728422.80           | 387529.20             | 39°33'35.9881"N | 80°27'47.7014"W | 15207.86             | 330.833            | 0.88             | -0.16                   | 0.86                   |                       |
| 23113.00   | 80.090             | 335.770        | 7756.23     | 6410.23       | 15300.16          | 13365.22      | -7450.36     | 1728384.04           | 387614.83             | 39°33'36.8304"N | 80°27'48.2080"W | 15301.53             | 330.863            | 0.30             | -0.14                   | 0.27                   |                       |
| 23208.00   | 90.280             | 335.950        | 7755.92     | 6409.92       | 15394.80          | 13451.91      | -7489.21     | 1728345.19           | 387701.62             | 39°33'37.6830"N | 80°27'48.7150"W | 15396.17             | 330.894            | 0.28             | 0.20                    | 0.19                   |                       |
| 23303.00   | 89.970             | 335.490        | 7755.71     | 6409.71       | 15489.66          | 13538.50      | -7528.27     | 1728306.12           | 387788.12             | 39°33'38.5347"N | 80°27'49.2266"W | 15490.84             | 330.923            | 0.58             | -0.33                   | -0.48                  |                       |
| 23399.00   | 90.000             | 335.570        | 7755.74     | 6409.74       | 15585.43          | 13625.88      | -7568.04     | 1728266.36           | 387875.49             | 39°33'39.3941"N | 80°27'49.7463"W | 15586.53             | 330.951            | 0.09             | 0.03                    | 0.08                   |                       |
| 23494.00   | 90.090             | 335.730        | 7755.66     | 6409.66       | 15680.20          | 13712.43      | -7607.21     | 1728227.19           | 387962.04             | 39°33'40.2453"N | 80°27'50.2582"W | 15681.21             | 330.980            | 0.19             | 0.09                    | 0.17                   |                       |
| 23589.00   | 89.790             | 335.550        | 7755.76     | 6409.76       | 15774.97          | 13798.97      | -7646.39     | 1728188.00           | 388048.59             | 39°33'41.0965"N | 80°27'50.7704"W | 15775.90             | 331.008            | 0.37             | -0.32                   | -0.19                  |                       |
| 23684.00   | 80.680             | 335.680        | 7755.04     | 6410.04       | 15869.74          | 13885.50      | -7685.61     | 1728148.78           | 388135.11             | 39°33'41.9475"N | 80°27'51.2830"W | 15870.59             | 331.036            | 0.17             | 0.09                    | 0.14                   |                       |





# Actual Wellpath Report

Carnegie 7H Proj: 26358'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

## WELLPATH DATA (296 stations) † = interpolated, ‡ = extrapolated station

| MD<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | TVD<br>(ft) | TVDSS<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) | Build Rate<br>(°/100ft) | Turn Rate<br>(°/100ft) | Comments         |
|------------|--------------------|----------------|-------------|---------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|------------------|
| 23779.00   | 89.760             | 335.600        | 7756.34     | 6410.34       | 15964.50          | 13972.04      | -7724.80     | 1728109.60           | 388221.65             | 39°33'42.7986"N | 80°27'51.7952"W | 15965.29             | 331.063            | 0.15             | -0.13                   | -0.08                  |                  |
| 23874.00   | 90.000             | 335.740        | 7756.53     | 6410.53       | 16059.27          | 14058.60      | -7763.94     | 1728070.46           | 388308.21             | 39°33'43.6500"N | 80°27'52.3068"W | 16059.98             | 331.090            | 0.29             | 0.25                    | 0.15                   |                  |
| 23969.00   | 89.910             | 335.660        | 7756.61     | 6410.61       | 16154.03          | 14145.19      | -7803.03     | 1728031.37           | 388394.80             | 39°33'44.5016"N | 80°27'52.8178"W | 16154.68             | 331.117            | 0.13             | -0.09                   | -0.08                  |                  |
| 24064.00   | 90.190             | 335.700        | 7756.53     | 6410.53       | 16248.79          | 14231.76      | -7842.15     | 1727992.24           | 388481.37             | 39°33'45.3530"N | 80°27'53.3292"W | 16249.38             | 331.144            | 0.30             | 0.29                    | 0.04                   |                  |
| 24159.00   | 90.220             | 335.630        | 7756.19     | 6410.19       | 16343.56          | 14318.51      | -7881.30     | 1727953.10           | 388567.93             | 39°33'46.2044"N | 80°27'53.8409"W | 16344.08             | 331.170            | 0.08             | 0.03                    | -0.07                  |                  |
| 24255.00   | 90.190             | 335.590        | 7755.84     | 6409.84       | 16439.32          | 14405.75      | -7920.94     | 1727913.45           | 388655.36             | 39°33'47.0643"N | 80°27'54.3591"W | 16439.79             | 331.196            | 0.05             | -0.03                   | -0.04                  |                  |
| 24350.00   | 90.220             | 335.710        | 7755.50     | 6409.50       | 16534.09          | 14492.29      | -7960.11     | 1727874.28           | 388741.91             | 39°33'47.9155"N | 80°27'54.8711"W | 16534.51             | 331.222            | 0.13             | 0.03                    | 0.13                   |                  |
| 24445.00   | 90.220             | 335.650        | 7755.14     | 6409.14       | 16628.85          | 14578.86      | -7999.24     | 1727835.16           | 388828.47             | 39°33'48.7669"N | 80°27'55.3825"W | 16629.22             | 331.247            | 0.06             | 0.00                    | -0.06                  |                  |
| 24540.00   | 89.940             | 335.350        | 7755.01     | 6409.01       | 16723.63          | 14665.31      | -8038.63     | 1727795.76           | 388914.92             | 39°33'49.6171"N | 80°27'55.8974"W | 16723.96             | 331.271            | 0.43             | -0.29                   | -0.32                  |                  |
| 24635.00   | 90.190             | 335.640        | 7754.90     | 6408.90       | 16818.42          | 14751.75      | -8078.03     | 1727756.35           | 389001.35             | 39°33'50.4672"N | 80°27'56.4124"W | 16818.71             | 331.295            | 0.40             | 0.26                    | 0.31                   |                  |
| 24731.00   | 90.370             | 335.620        | 7754.43     | 6408.43       | 16914.18          | 14839.20      | -8117.65     | 1727716.75           | 389088.81             | 39°33'51.3273"N | 80°27'56.9302"W | 16914.43             | 331.320            | 0.19             | 0.19                    | -0.02                  |                  |
| 24921.00   | 90.090             | 336.140        | 7753.67     | 6407.67       | 17103.66          | 15012.61      | -8195.29     | 1727639.11           | 389262.22             | 39°33'53.0329"N | 80°27'57.9454"W | 17103.83             | 331.370            | 0.31             | -0.15                   | 0.27                   |                  |
| 25016.00   | 90.340             | 336.780        | 7753.31     | 6407.31       | 17198.32          | 15099.70      | -8233.23     | 1727601.17           | 389349.31             | 39°33'53.8896"N | 80°27'58.4418"W | 17198.46             | 331.398            | 0.72             | 0.26                    | 0.67                   |                  |
| 25206.00   | 90.250             | 334.940        | 7752.33     | 6406.33       | 17387.79          | 15273.07      | -8310.93     | 1727523.47           | 389522.68             | 39°33'55.5949"N | 80°27'59.4577"W | 17387.88             | 331.447            | 0.97             | -0.05                   | -0.97                  |                  |
| 25301.00   | 90.220             | 335.720        | 7751.94     | 6405.94       | 17482.59          | 15359.40      | -8350.98     | 1727483.82           | 389609.01             | 39°33'56.4438"N | 80°27'59.9759"W | 17482.65             | 331.468            | 0.82             | -0.03                   | 0.82                   |                  |
| 25396.00   | 90.060             | 335.250        | 7751.71     | 6405.71       | 17577.38          | 15445.84      | -8390.00     | 1727444.40           | 389695.45             | 39°33'57.2939"N | 80°28'0.4911"W  | 17577.43             | 331.490            | 0.52             | -0.17                   | -0.49                  |                  |
| 25492.00   | 90.060             | 336.180        | 7751.61     | 6405.61       | 17673.13          | 15533.34      | -8429.48     | 1727404.91           | 389782.95             | 39°33'58.1545"N | 80°28'1.0073"W  | 17673.17             | 331.513            | 0.97             | 0.00                    | 0.97                   |                  |
| 25587.00   | 90.190             | 334.500        | 7751.40     | 6405.40       | 17767.93          | 15619.67      | -8469.12     | 1727365.28           | 389869.28             | 39°33'59.0036"N | 80°28'1.5252"W  | 17767.95             | 331.533            | 1.77             | 0.14                    | -1.77                  |                  |
| 25778.00   | 90.590             | 333.990        | 7750.10     | 6404.10       | 17958.72          | 15791.70      | -8552.11     | 1727282.29           | 390041.30             | 39°34'0.6949"N  | 80°28'2.6086"W  | 17958.74             | 331.562            | 0.34             | 0.21                    | -0.27                  |                  |
| 25872.00   | 90.740             | 333.830        | 7749.01     | 6403.01       | 18062.64          | 15876.11      | -8593.45     | 1727240.95           | 390125.72             | 39°34'1.5248"N  | 80°28'3.1480"W  | 18062.65             | 331.574            | 0.23             | 0.16                    | -0.17                  |                  |
| 25968.00   | 90.650             | 334.310        | 7747.85     | 6401.85       | 18148.55          | 15962.44      | -8635.42     | 1727198.98           | 390212.05             | 39°34'2.3735"N  | 80°28'3.6959"W  | 18148.55             | 331.587            | 0.51             | -0.09                   | 0.50                   |                  |
| 26062.00   | 90.560             | 334.210        | 7746.85     | 6400.85       | 18242.44          | 16047.11      | -8676.24     | 1727158.16           | 390296.72             | 39°34'3.2060"N  | 80°28'4.2288"W  | 18242.45             | 331.601            | 0.14             | -0.10                   | -0.11                  |                  |
| 26158.00   | 90.620             | 334.400        | 7745.86     | 6399.86       | 18338.33          | 16133.61      | -8717.86     | 1727116.53           | 390383.22             | 39°34'4.0564"N  | 80°28'4.7721"W  | 18338.34             | 331.615            | 0.21             | 0.06                    | 0.20                   |                  |
| 26253.00   | 90.680             | 334.180        | 7744.79     | 6398.79       | 18433.23          | 16219.20      | -8759.07     | 1727075.32           | 390468.81             | 39°34'4.8980"N  | 80°28'5.3101"W  | 18433.23             | 331.629            | 0.24             | 0.06                    | -0.23                  |                  |
| 26353.00   | 90.680             | 333.630        | 7743.84     | 6397.84       | 18513.16          | 16291.01      | -8794.32     | 1727040.08           | 390540.82             | 39°34'5.6038"N  | 80°28'5.7701"W  | 18513.16             | 331.639            | 0.81             | 0.00                    | -0.81                  | Final Survey     |
| 26358.00†  | 90.680             | 333.530        | 7743.54     | 6397.54       | 18538.14          | 16313.39      | -8805.46     | 1727028.93           | 390562.99             | 39°34'5.8239"N  | 80°28'5.9155"W  | 18538.14             | 331.641            | 0.00             | 0.00                    | 0.00                   | Projection to TD |





## Actual Wellpath Report

Carnegie 7H Proj: 26358'

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### REFERENCE WELLPATH IDENTIFICATION

|          |                        |          |              |
|----------|------------------------|----------|--------------|
| Operator | EQT PRODUCTION COMPANY | Well     | Carnegie 7H  |
| Field    | Marion                 | API      | 47-049-02523 |
| Facility | Carnegie Pad           | Wellbore | Carnegie 7H  |
| Slot     | Slot 07                |          |              |

### TARGETS

| Name              | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Shape |
|-------------------|-------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|-------|
| Carnegie 7H - BHL | 7720.00     | 16313.04      | -8808.35     | 1727026.05           | 390562.65             | 39°34'5.8202"N  | 80°28'5.9523"W  | point |
| Carnegie 7H - LP  | 7720.00     | -100.51       | -1153.86     | 1734680.52           | 374149.13             | 39°31'24.4039"N | 80°26'26.0154"W | point |

### WELLPATH COMPOSITION - Ref Wellbore: Carnegie 7H Ref Wellpath: Carnegie 7H Proj: 26358'

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model                          | Log Name/Comment                                                | Wellbore    | Survey Date |
|------------------|----------------|-------------------------------------------------------|-----------------------------------------------------------------|-------------|-------------|
| 28.00            | 2635.00        | BH Generic gyro - northseeking (Standard)             | 01 Gyro                                                         | Carnegie 7H | 4/24/2024   |
| 2635.00          | 7116.00        | OWSG MWD rev2 - Standard                              | 02 SDI MWD                                                      | Carnegie 7H | 4/24/2024   |
| 7116.00          | 26358.00       | OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction | 03 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7164' - 26333') | Carnegie 7H | 5/20/2024   |



09/19/2025