

GyroTracer Directional:

Date: 9/7/2018
 Operator : Brandon McKnight
 Crew : 05-013-06540
 Well Name: **McDonald 34-25**
 Field : Crestone Peak Resources
 Tool Type And Number: 1719
 Bottom Depth : 7950.00
 Latitude : 40.10484 N
 Longitude : 105.06312 W
 Location: SWSE 25 2N69W 6 PM
 Planned Footages: 829 FSL 2154 FEL

**Starting Point Coordinates (in local grid):**

Northing: 0.00 Easting: 0.00 Altitude: 5021.00

Description:

Azimuth measured in degrees and referenced to True North

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 9/7/2018 8:04

End Time: 9/7/2018 9:27

| Depth | Inclination | Azimuth | Closure Direction | True Depth | Coordinates | | Dogleg Severity | Closure Distance |
|----------|-------------|---------|----------------------|------------|-------------|---------|--------------------|---------------------|
| | | | | | +N/-S | +E/-W | | |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.000 | 0.150 | 60.707 | 51.340 | 100.600 | 0.160 | 0.200 | 0.149 | 0.256 |
| 200.000 | 0.323 | 67.973 | 49.814 | 199.999 | 0.257 | 0.304 | 0.176 | 0.399 |
| 300.000 | 0.425 | 60.623 | 62.291 | 299.998 | 0.351 | 0.668 | 0.136 | 0.754 |
| 400.000 | 1.486 | 85.837 | 77.976 | 399.986 | 0.448 | 2.105 | 1.087 | 2.152 |
| 500.000 | 2.020 | 97.467 | 86.794 | 499.939 | 0.286 | 5.103 | 0.627 | 5.111 |
| 600.000 | 2.852 | 116.042 | 96.298 | 599.835 | -1.033 | 9.361 | 1.327 | 9.418 |
| 700.000 | 3.796 | 139.982 | 109.794 | 699.649 | -5.001 | 13.896 | 1.626 | 14.768 |
| 800.000 | 4.120 | 157.434 | 123.114 | 799.392 | -11.273 | 17.283 | 1.237 | 20.635 |
| 900.000 | 3.717 | 165.197 | 133.130 | 899.150 | -17.954 | 19.166 | 0.668 | 26.262 |
| 1000.000 | 3.250 | 172.136 | 139.382 | 998.966 | -23.844 | 20.449 | 0.737 | 31.412 |
| 1100.000 | 2.488 | 183.387 | 144.182 | 1098.852 | -28.575 | 20.623 | 0.957 | 35.240 |
| 1200.000 | 1.853 | 192.119 | 148.176 | 1198.788 | -32.011 | 19.866 | 0.714 | 37.674 |
| 1300.000 | 1.710 | 228.606 | 152.061 | 1298.742 | -34.562 | 18.330 | 1.136 | 39.121 |
| 1400.000 | 1.468 | 250.748 | 156.128 | 1398.701 | -36.182 | 16.012 | 0.639 | 39.566 |
| 1500.000 | 1.531 | 258.546 | 160.279 | 1498.659 | -37.233 | 13.347 | 0.202 | 39.553 |
| 1600.000 | 1.534 | 254.930 | 164.460 | 1598.617 | -37.941 | 10.551 | 0.086 | 39.381 |
| 1700.000 | 1.905 | 271.849 | 168.955 | 1698.568 | -38.462 | 7.507 | 0.621 | 39.188 |
| 1800.000 | 2.105 | 264.371 | 174.009 | 1798.507 | -38.536 | 4.044 | 0.348 | 38.747 |
| 1900.000 | 2.142 | 270.774 | 179.337 | 1898.441 | -38.498 | 0.446 | 0.239 | 38.501 |
| 2000.000 | 2.306 | 264.174 | 184.770 | 1998.373 | -38.655 | -3.226 | 0.286 | 38.789 |
| 2100.000 | 2.096 | 265.810 | 189.997 | 2098.304 | -39.111 | -6.895 | 0.166 | 39.714 |
| 2200.000 | 1.916 | 259.976 | 194.609 | 2198.243 | -39.617 | -10.326 | 0.246 | 40.940 |
| 2300.000 | 1.504 | 262.719 | 198.398 | 2298.195 | -40.125 | -13.346 | 0.350 | 42.286 |

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|----------|-------|---------|---------|----------|---------|---------|-------|--------|
| 2400.000 | 1.606 | 276.437 | 201.833 | 2398.153 | -40.422 | -16.195 | 0.368 | 43.545 |
| 2500.000 | 1.666 | 269.651 | 205.050 | 2498.117 | -40.419 | -18.890 | 0.295 | 44.615 |
| 2600.000 | 1.163 | 283.151 | 207.707 | 2598.090 | -40.278 | -21.152 | 0.576 | 45.494 |
| 2700.000 | 1.430 | 266.131 | 210.152 | 2698.064 | -40.218 | -23.363 | 0.408 | 46.512 |
| 2800.000 | 1.320 | 284.628 | 213.229 | 2798.027 | -39.684 | -25.997 | 0.447 | 47.441 |
| 2900.000 | 1.740 | 280.547 | 216.298 | 2897.988 | -39.082 | -28.707 | 0.433 | 48.492 |
| 3000.000 | 1.850 | 281.063 | 219.305 | 2997.947 | -38.427 | -31.457 | 0.109 | 49.661 |
| 3100.000 | 1.444 | 281.912 | 222.026 | 3097.906 | -38.011 | -34.257 | 0.457 | 51.170 |
| 3200.000 | 1.766 | 268.040 | 224.067 | 3197.869 | -38.160 | -36.937 | 0.542 | 53.108 |
| 3300.000 | 1.438 | 272.143 | 225.941 | 3297.833 | -38.315 | -39.594 | 0.278 | 55.098 |
| 3400.000 | 1.554 | 269.362 | 227.817 | 3397.798 | -38.249 | -42.208 | 0.190 | 56.960 |
| 3500.000 | 1.720 | 278.808 | 229.780 | 3497.760 | -38.017 | -44.955 | 0.328 | 58.874 |
| 3600.000 | 1.751 | 281.982 | 231.773 | 3597.714 | -37.757 | -47.935 | 0.074 | 61.019 |
| 3700.000 | 1.785 | 265.147 | 233.595 | 3697.666 | -37.576 | -50.957 | 0.511 | 63.313 |
| 3800.000 | 1.474 | 265.880 | 235.114 | 3797.623 | -37.528 | -53.824 | 0.303 | 65.616 |
| 3900.000 | 1.495 | 263.129 | 235.921 | 3897.592 | -38.053 | -56.248 | 0.055 | 67.911 |
| 4000.000 | 1.043 | 260.780 | 236.715 | 3997.562 | -38.487 | -58.625 | 0.390 | 70.130 |
| 4100.000 | 2.185 | 246.202 | 237.250 | 4097.523 | -39.356 | -61.186 | 1.114 | 72.750 |
| 4200.000 | 2.119 | 242.354 | 237.379 | 4197.464 | -41.032 | -64.107 | 0.197 | 76.114 |
| 4300.000 | 1.622 | 246.214 | 237.670 | 4297.412 | -42.416 | -67.019 | 0.483 | 79.314 |
| 4400.000 | 1.418 | 267.878 | 238.094 | 4397.369 | -43.418 | -69.739 | 0.605 | 82.150 |
| 4500.000 | 1.266 | 249.846 | 238.575 | 4497.332 | -44.157 | -72.272 | 0.472 | 84.694 |
| 4600.000 | 1.403 | 268.628 | 239.142 | 4597.303 | -44.573 | -74.601 | 0.448 | 86.902 |
| 4700.000 | 0.982 | 304.705 | 239.894 | 4697.285 | -44.324 | -76.445 | 0.801 | 88.366 |
| 4800.000 | 1.150 | 295.090 | 240.743 | 4797.271 | -43.585 | -77.804 | 0.311 | 89.180 |
| 4900.000 | 0.992 | 310.699 | 241.662 | 4897.257 | -42.615 | -79.020 | 0.355 | 89.778 |
| 5000.000 | 0.688 | 319.924 | 242.639 | 4997.244 | -41.369 | -79.943 | 0.427 | 90.013 |
| 5100.000 | 0.872 | 345.255 | 243.597 | 5097.232 | -39.989 | -80.548 | 0.328 | 89.929 |
| 5200.000 | 0.717 | 330.684 | 244.530 | 5197.219 | -38.496 | -80.819 | 0.378 | 89.519 |
| 5300.000 | 0.513 | 10.759 | 245.348 | 5297.208 | -37.155 | -80.960 | 0.505 | 89.079 |
| 5400.000 | 0.500 | 357.227 | 246.040 | 5397.200 | -35.981 | -80.966 | 0.103 | 88.601 |
| 5500.000 | 0.583 | 17.796 | 246.747 | 5497.192 | -34.773 | -80.926 | 0.237 | 88.080 |
| 5600.000 | 0.753 | 329.017 | 247.325 | 5597.186 | -33.907 | -81.154 | 0.599 | 87.953 |
| 5700.000 | 0.430 | 308.587 | 247.858 | 5697.182 | -33.204 | -81.601 | 0.407 | 88.098 |
| 5800.000 | 0.752 | 6.319 | 248.232 | 5797.179 | -32.594 | -81.623 | 0.602 | 87.890 |
| 5900.000 | 0.211 | 38.439 | 248.430 | 5897.175 | -32.101 | -81.202 | 0.446 | 87.317 |
| 6000.000 | 1.274 | 69.040 | 248.410 | 5997.160 | -31.553 | -79.733 | 1.111 | 85.749 |
| 6100.000 | 1.871 | 76.810 | 248.349 | 6097.117 | -30.579 | -77.033 | 0.762 | 82.880 |
| 6200.000 | 2.080 | 67.011 | 248.230 | 6197.050 | -29.401 | -73.618 | 0.415 | 79.272 |
| 6300.000 | 2.721 | 73.717 | 248.296 | 6296.954 | -27.705 | -69.604 | 0.705 | 74.915 |
| 6400.000 | 2.868 | 79.498 | 248.261 | 6396.840 | -26.000 | -65.206 | 0.284 | 70.198 |
| 6500.000 | 2.764 | 80.901 | 247.300 | 6496.719 | -25.251 | -60.366 | 0.171 | 65.435 |
| 6600.000 | 2.166 | 77.622 | 245.858 | 6596.612 | -25.021 | -55.825 | 0.658 | 61.176 |
| 6700.000 | 1.982 | 76.769 | 245.071 | 6696.539 | -24.232 | -52.135 | 0.253 | 57.491 |
| 6800.000 | 1.824 | 112.649 | 243.038 | 6796.484 | -24.922 | -48.993 | 1.269 | 54.967 |
| 6900.000 | 1.031 | 159.967 | 240.439 | 6896.446 | -26.672 | -47.024 | 1.405 | 54.062 |
| 7000.000 | 0.906 | 269.494 | 240.321 | 6996.440 | -26.979 | -47.340 | 1.428 | 54.488 |
| 7100.000 | 1.924 | 297.264 | 242.298 | 7096.403 | -26.165 | -49.834 | 1.179 | 56.285 |
| 7200.000 | 2.015 | 309.955 | 244.929 | 7196.350 | -24.635 | -52.660 | 0.436 | 58.137 |
| 7300.000 | 1.020 | 334.096 | 247.422 | 7296.312 | -22.697 | -54.584 | 0.969 | 59.115 |

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|----------|-------|---------|---------|----------|---------|---------|-------|--------|
| 7400.000 | 1.277 | 348.118 | 249.441 | 7396.288 | -20.870 | -55.645 | 0.530 | 59.430 |
| 7500.000 | 1.127 | 15.170 | 250.894 | 7496.275 | -19.338 | -55.826 | 0.548 | 59.081 |
| 7600.000 | 1.012 | 21.620 | 252.217 | 7596.263 | -17.958 | -55.991 | 0.667 | 58.801 |
| 7700.000 | 1.157 | 18.088 | 253.396 | 7696.252 | -16.605 | -55.687 | 0.136 | 58.110 |
| 7800.000 | 1.181 | 35.732 | 254.644 | 7796.238 | -15.126 | -55.077 | 0.343 | 57.116 |
| 7900.000 | 1.125 | 347.588 | 256.120 | 7896.224 | -13.547 | -54.821 | 0.910 | 56.470 |
| 7950.000 | 0.860 | 353.780 | 257.201 | 7946.871 | -12.444 | -54.776 | 0.111 | 56.172 |

