|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序  号 | 测深  (m) | 段长  (m) | 井斜角  (°) | 方位角  (°) | 垂深  (m) | 投影位移  (m) | 南北  (m) | 东西  (m) | 闭合距  (m) | 闭合方位  (°) | 全角  (°/30m) |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 0.00 | 0.00 | 0.00 | 326.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 88.71 | 88.71 | 0.66 | 326.10 | 88.71 | 0.49 | 0.42 | -0.28 | 0.51 | 326.10 | 0.22 |
| 3 | 97.98 | 9.27 | 1.11 | 323.70 | 97.98 | 0.63 | 0.54 | -0.37 | 0.65 | 325.84 | 1.46 |
| 4 | 107.22 | 9.24 | 1.58 | 319.30 | 107.21 | 0.85 | 0.71 | -0.50 | 0.87 | 324.76 | 1.56 |
| 5 | 116.49 | 9.27 | 1.89 | 316.20 | 116.48 | 1.13 | 0.92 | -0.69 | 1.15 | 323.05 | 1.05 |
| 6 | 125.79 | 9.30 | 2.61 | 312.40 | 125.77 | 1.49 | 1.17 | -0.95 | 1.51 | 320.94 | 2.37 |
| 7 | 135.06 | 9.27 | 3.47 | 308.30 | 135.03 | 1.98 | 1.49 | -1.33 | 2.00 | 318.35 | 2.87 |
| 8 | 144.36 | 9.30 | 4.23 | 304.40 | 144.31 | 2.60 | 1.86 | -1.83 | 2.61 | 315.50 | 2.59 |
| 9 | 153.63 | 9.27 | 5.16 | 303.50 | 153.55 | 3.36 | 2.29 | -2.46 | 3.36 | 312.91 | 3.02 |
| 10 | 162.83 | 9.20 | 6.09 | 302.30 | 162.70 | 4.25 | 2.78 | -3.22 | 4.25 | 310.79 | 3.06 |
| 11 | 171.99 | 9.16 | 7.18 | 300.80 | 171.80 | 5.29 | 3.33 | -4.12 | 5.30 | 308.95 | 3.61 |
| 12 | 181.24 | 9.25 | 8.16 | 301.10 | 180.97 | 6.50 | 3.96 | -5.18 | 6.52 | 307.44 | 3.18 |
| 13 | 190.54 | 9.30 | 9.22 | 302.50 | 190.16 | 7.89 | 4.70 | -6.37 | 7.92 | 306.44 | 3.49 |
| 14 | 199.83 | 9.29 | 10.15 | 304.40 | 199.32 | 9.43 | 5.57 | -7.67 | 9.48 | 305.95 | 3.18 |
| 15 | 209.46 | 9.63 | 10.79 | 303.70 | 208.79 | 11.17 | 6.55 | -9.12 | 11.23 | 305.65 | 2.03 |
| 16 | 219.12 | 9.66 | 11.45 | 303.40 | 218.27 | 13.01 | 7.58 | -10.68 | 13.09 | 305.35 | 2.06 |
| 17 | 228.79 | 9.67 | 12.13 | 303.10 | 227.73 | 14.97 | 8.66 | -12.33 | 15.07 | 305.08 | 2.12 |
| 18 | 238.44 | 9.65 | 13.08 | 302.40 | 237.15 | 17.05 | 9.80 | -14.10 | 17.17 | 304.79 | 2.99 |
| 19 | 248.10 | 9.66 | 14.11 | 301.30 | 246.54 | 19.28 | 11.00 | -16.03 | 19.44 | 304.45 | 3.30 |
| 20 | 257.76 | 9.66 | 15.07 | 300.70 | 255.89 | 21.67 | 12.25 | -18.12 | 21.87 | 304.07 | 3.02 |
| 21 | 267.43 | 9.67 | 15.92 | 300.60 | 265.21 | 24.21 | 13.57 | -20.34 | 24.45 | 303.71 | 2.64 |
| 22 | 277.09 | 9.66 | 16.79 | 300.70 | 274.48 | 26.88 | 14.95 | -22.68 | 27.16 | 303.40 | 2.70 |
| 23 | 286.75 | 9.66 | 17.67 | 300.80 | 283.70 | 29.69 | 16.42 | -25.14 | 30.02 | 303.15 | 2.73 |
| 24 | 296.44 | 9.69 | 18.65 | 302.10 | 292.91 | 32.66 | 17.99 | -27.71 | 33.04 | 302.99 | 3.28 |
| 25 | 306.10 | 9.66 | 19.71 | 304.30 | 302.03 | 35.80 | 19.73 | -30.37 | 36.21 | 303.01 | 3.98 |
| 26 | 315.75 | 9.65 | 20.56 | 305.20 | 311.09 | 39.10 | 21.62 | -33.10 | 39.54 | 303.16 | 2.81 |
| 27 | 325.41 | 9.66 | 21.80 | 305.70 | 320.10 | 42.57 | 23.65 | -35.94 | 43.02 | 303.34 | 3.89 |
| 28 | 335.08 | 9.67 | 23.20 | 306.80 | 329.03 | 46.25 | 25.84 | -38.93 | 46.72 | 303.57 | 4.54 |
| 29 | 344.75 | 9.67 | 24.48 | 307.60 | 337.88 | 50.15 | 28.20 | -42.04 | 50.62 | 303.85 | 4.10 |
| 30 | 354.41 | 9.66 | 25.84 | 308.70 | 346.62 | 54.24 | 30.73 | -45.27 | 54.72 | 304.17 | 4.47 |
| 31 | 364.08 | 9.67 | 26.91 | 310.10 | 355.29 | 58.54 | 33.46 | -48.59 | 59.00 | 304.55 | 3.84 |
| 32 | 373.72 | 9.64 | 27.99 | 311.40 | 363.84 | 62.98 | 36.36 | -51.95 | 63.41 | 304.99 | 3.84 |
| 33 | 383.33 | 9.61 | 29.33 | 311.80 | 372.27 | 67.59 | 39.42 | -55.40 | 67.99 | 305.44 | 4.23 |
| 34 | 392.98 | 9.65 | 30.62 | 312.20 | 380.63 | 72.41 | 42.65 | -58.98 | 72.79 | 305.87 | 4.06 |
| 35 | 402.65 | 9.67 | 31.95 | 312.90 | 388.90 | 77.43 | 46.04 | -62.68 | 77.78 | 306.30 | 4.28 |
| 36 | 412.34 | 9.69 | 33.23 | 312.50 | 397.06 | 82.65 | 49.58 | -66.52 | 82.96 | 306.70 | 4.02 |
| 37 | 421.99 | 9.65 | 34.64 | 312.30 | 405.07 | 88.04 | 53.22 | -70.50 | 88.33 | 307.05 | 4.40 |
| 38 | 431.63 | 9.64 | 36.02 | 312.20 | 412.93 | 93.61 | 56.96 | -74.62 | 93.88 | 307.36 | 4.30 |
| 39 | 441.29 | 9.66 | 37.14 | 311.70 | 420.69 | 99.37 | 60.81 | -78.90 | 99.62 | 307.62 | 3.60 |
| 40 | 450.96 | 9.67 | 38.23 | 311.30 | 428.34 | 105.28 | 64.73 | -83.33 | 105.52 | 307.84 | 3.47 |
| 41 | 460.65 | 9.69 | 39.11 | 310.90 | 435.91 | 111.33 | 68.71 | -87.89 | 111.56 | 308.02 | 2.83 |
| 42 | 470.32 | 9.67 | 40.31 | 311.30 | 443.34 | 117.51 | 72.77 | -92.55 | 117.73 | 308.18 | 3.81 |
| 43 | 479.98 | 9.66 | 41.54 | 311.70 | 450.64 | 123.84 | 76.96 | -97.29 | 124.05 | 308.35 | 3.91 |
| 序  号 | 测深  (m) | 段长  (m) | 井斜角  (°) | 方位角  (°) | 垂深  (m) | 投影位移  (m) | 南北  (m) | 东西  (m) | 闭合距  (m) | 闭合方位  (°) | 全角  (°/30m) |
| 44 | 489.64 | 9.66 | 42.67 | 312.30 | 457.81 | 130.31 | 81.30 | -102.10 | 130.51 | 308.53 | 3.73 |
| 45 | 518.63 | 28.99 | 45.48 | 310.90 | 478.63 | 150.48 | 94.68 | -117.18 | 150.65 | 308.94 | 3.08 |
| 46 | 539.76 | 21.13 | 46.12 | 309.53 | 493.37 | 165.62 | 104.46 | -128.75 | 165.80 | 309.06 | 1.66 |
| 47 | 549.43 | 9.67 | 46.41 | 308.90 | 500.05 | 172.60 | 108.88 | -134.16 | 172.78 | 309.06 | 1.67 |
| 48 | 578.37 | 28.94 | 48.56 | 309.30 | 519.61 | 193.91 | 122.33 | -150.71 | 194.11 | 309.07 | 2.25 |
| 49 | 605.48 | 27.11 | 48.47 | 308.50 | 537.57 | 214.19 | 135.09 | -166.52 | 214.42 | 309.05 | 0.67 |
| 50 | 619.00 | 13.52 | 48.47 | 308.50 | 546.53 | 224.30 | 141.39 | -174.44 | 224.54 | 309.03 | 0.00 |
| 51 | 634.32 | 15.32 | 48.52 | 307.90 | 556.68 | 235.75 | 148.48 | -183.46 | 236.02 | 308.99 | 0.89 |
| 52 | 663.35 | 29.03 | 48.87 | 307.40 | 575.84 | 257.50 | 161.80 | -200.72 | 257.82 | 308.87 | 0.53 |
| 53 | 692.31 | 28.96 | 48.60 | 306.20 | 594.94 | 279.19 | 174.84 | -218.15 | 279.57 | 308.71 | 0.98 |
| 54 | 721.29 | 28.98 | 49.09 | 308.20 | 614.02 | 300.94 | 188.03 | -235.53 | 301.38 | 308.60 | 1.64 |
| 55 | 750.27 | 28.98 | 49.00 | 307.00 | 633.01 | 322.77 | 201.39 | -252.87 | 323.27 | 308.53 | 0.94 |
| 56 | 779.25 | 28.98 | 48.91 | 306.20 | 652.04 | 344.54 | 214.42 | -270.42 | 345.11 | 308.41 | 0.63 |
| 57 | 808.23 | 28.98 | 49.17 | 309.80 | 671.04 | 366.38 | 227.89 | -287.66 | 366.99 | 308.39 | 2.83 |
| 58 | 837.21 | 28.98 | 48.87 | 308.50 | 690.04 | 388.23 | 241.70 | -304.63 | 388.87 | 308.43 | 1.06 |
| 59 | 866.19 | 28.98 | 47.81 | 310.80 | 709.31 | 409.87 | 255.52 | -321.30 | 410.51 | 308.49 | 2.09 |
| 60 | 895.16 | 28.97 | 47.29 | 310.00 | 728.86 | 431.24 | 269.37 | -337.57 | 431.88 | 308.59 | 0.81 |
| 61 | 924.14 | 28.98 | 46.89 | 310.50 | 748.59 | 452.46 | 283.09 | -353.77 | 453.09 | 308.67 | 0.56 |
| 62 | 953.12 | 28.98 | 46.54 | 310.40 | 768.46 | 473.55 | 296.77 | -369.83 | 474.18 | 308.75 | 0.37 |
| 63 | 982.10 | 28.98 | 47.77 | 311.10 | 788.17 | 494.79 | 310.64 | -385.92 | 495.42 | 308.83 | 1.38 |
| 64 | 1011.08 | 28.98 | 47.99 | 310.80 | 807.60 | 516.29 | 324.73 | -402.16 | 516.90 | 308.92 | 0.32 |
| 65 | 1040.06 | 28.98 | 48.30 | 309.60 | 826.94 | 537.87 | 338.66 | -418.65 | 538.48 | 308.97 | 0.98 |
| 66 | 1069.04 | 28.98 | 47.59 | 311.10 | 846.35 | 559.38 | 352.59 | -435.04 | 559.99 | 309.02 | 1.37 |
| 67 | 1098.02 | 28.98 | 47.81 | 310.00 | 865.85 | 580.81 | 366.53 | -451.33 | 581.41 | 309.08 | 0.87 |
| 68 | 1127.00 | 28.98 | 48.08 | 311.20 | 885.27 | 602.32 | 380.53 | -467.67 | 602.92 | 309.13 | 0.96 |
| 69 | 1155.98 | 28.98 | 49.17 | 310.50 | 904.42 | 624.06 | 394.76 | -484.12 | 624.66 | 309.19 | 1.25 |
| 70 | 1184.95 | 28.97 | 49.97 | 310.50 | 923.21 | 646.11 | 409.08 | -500.89 | 646.71 | 309.24 | 0.83 |
| 71 | 1213.93 | 28.98 | 50.32 | 310.40 | 941.78 | 668.35 | 423.51 | -517.82 | 668.95 | 309.28 | 0.37 |
| 72 | 1242.91 | 28.98 | 51.20 | 310.30 | 960.11 | 690.79 | 438.04 | -534.92 | 691.39 | 309.31 | 0.91 |
| 73 | 1271.89 | 28.98 | 51.86 | 310.60 | 978.14 | 713.48 | 452.76 | -552.19 | 714.08 | 309.35 | 0.73 |
| 74 | 1300.87 | 28.98 | 52.16 | 310.90 | 995.98 | 736.31 | 467.67 | -569.49 | 736.91 | 309.39 | 0.40 |
| 75 | 1329.85 | 28.98 | 52.16 | 309.40 | 1013.76 | 759.19 | 482.43 | -586.98 | 759.79 | 309.42 | 1.23 |
| 76 | 1358.83 | 28.98 | 52.60 | 309.70 | 1031.45 | 782.13 | 497.04 | -604.68 | 782.75 | 309.42 | 0.52 |
| 77 | 1387.81 | 28.98 | 52.43 | 308.70 | 1049.08 | 805.10 | 511.58 | -622.50 | 805.74 | 309.41 | 0.84 |
| 78 | 1416.79 | 28.98 | 51.94 | 308.70 | 1066.85 | 827.96 | 525.89 | -640.37 | 828.63 | 309.39 | 0.51 |
| 79 | 1445.71 | 28.92 | 51.59 | 308.40 | 1084.75 | 850.65 | 540.05 | -658.13 | 851.35 | 309.37 | 0.44 |
| 80 | 1474.70 | 28.99 | 52.25 | 309.70 | 1102.63 | 873.44 | 554.43 | -675.85 | 874.17 | 309.36 | 1.26 |
| 81 | 1503.69 | 28.99 | 52.38 | 309.80 | 1120.35 | 896.37 | 569.10 | -693.49 | 897.11 | 309.37 | 0.16 |
| 82 | 1513.30 | 9.61 | 52.65 | 308.90 | 1126.20 | 903.99 | 573.93 | -699.39 | 904.73 | 309.37 | 2.38 |
| 83 | 1522.98 | 9.68 | 53.66 | 308.80 | 1132.00 | 911.72 | 578.79 | -705.42 | 912.48 | 309.37 | 3.14 |
| 84 | 1532.62 | 9.64 | 54.80 | 309.60 | 1137.64 | 919.54 | 583.73 | -711.48 | 920.30 | 309.37 | 4.08 |
| 85 | 1542.31 | 9.69 | 55.46 | 309.90 | 1143.18 | 927.48 | 588.82 | -717.60 | 928.25 | 309.37 | 2.18 |
| 86 | 1551.97 | 9.66 | 56.56 | 310.20 | 1148.58 | 935.49 | 593.97 | -723.73 | 936.26 | 309.38 | 3.50 |
| 87 | 1561.63 | 9.66 | 57.83 | 309.70 | 1153.81 | 943.61 | 599.18 | -729.95 | 944.38 | 309.38 | 4.15 |
| 88 | 1571.29 | 9.66 | 58.49 | 309.60 | 1158.91 | 951.81 | 604.42 | -736.27 | 952.59 | 309.38 | 2.07 |
| 89 | 1580.95 | 9.66 | 59.28 | 309.40 | 1163.90 | 960.07 | 609.68 | -742.65 | 960.86 | 309.38 | 2.51 |
| 序  号 | 测深  (m) | 段长  (m) | 井斜角  (°) | 方位角  (°) | 垂深  (m) | 投影位移  (m) | 南北  (m) | 东西  (m) | 闭合距  (m) | 闭合方位  (°) | 全角  (°/30m) |
| 90 | 1590.62 | 9.67 | 60.42 | 309.40 | 1168.76 | 968.43 | 614.99 | -749.11 | 969.22 | 309.38 | 3.54 |
| 91 | 1600.27 | 9.65 | 61.70 | 309.50 | 1173.43 | 976.86 | 620.35 | -755.63 | 977.66 | 309.38 | 3.99 |
| 92 | 1609.89 | 9.62 | 62.53 | 310.10 | 1177.93 | 985.36 | 625.80 | -762.17 | 986.16 | 309.39 | 3.07 |
| 93 | 1619.55 | 9.66 | 63.37 | 309.40 | 1182.32 | 993.96 | 631.30 | -768.78 | 994.77 | 309.39 | 3.25 |
| 94 | 1629.22 | 9.67 | 64.25 | 309.90 | 1186.59 | 1002.63 | 636.83 | -775.46 | 1003.44 | 309.39 | 3.06 |
| 95 | 1638.89 | 9.67 | 64.82 | 310.80 | 1190.74 | 1011.36 | 642.49 | -782.12 | 1012.17 | 309.40 | 3.08 |
| 96 | 1648.54 | 9.65 | 65.70 | 310.00 | 1194.78 | 1020.12 | 648.17 | -788.79 | 1020.94 | 309.41 | 3.55 |
| 97 | 1658.21 | 9.67 | 67.00 | 310.20 | 1198.66 | 1028.98 | 653.87 | -795.57 | 1029.79 | 309.42 | 4.07 |
| 98 | 1667.87 | 9.66 | 67.50 | 310.80 | 1202.40 | 1037.88 | 659.66 | -802.34 | 1038.70 | 309.43 | 2.32 |
| 99 | 1677.51 | 9.64 | 68.64 | 311.00 | 1206.00 | 1046.82 | 665.51 | -809.10 | 1047.64 | 309.44 | 3.59 |
| 100 | 1687.17 | 9.66 | 69.74 | 312.30 | 1209.43 | 1055.85 | 671.51 | -815.85 | 1056.66 | 309.46 | 5.09 |
| 101 | 1696.86 | 9.69 | 70.81 | 312.00 | 1212.70 | 1064.97 | 677.64 | -822.61 | 1065.77 | 309.48 | 3.43 |
| 102 | 1706.52 | 9.66 | 72.33 | 311.80 | 1215.75 | 1074.14 | 683.76 | -829.43 | 1074.93 | 309.50 | 4.76 |
| 103 | 1716.14 | 9.62 | 73.04 | 312.30 | 1218.62 | 1083.32 | 689.91 | -836.25 | 1084.10 | 309.52 | 2.67 |
| 104 | 1725.78 | 9.64 | 73.92 | 312.30 | 1221.36 | 1092.56 | 696.13 | -843.08 | 1093.34 | 309.55 | 2.74 |
| 105 | 1735.45 | 9.67 | 75.22 | 312.60 | 1223.93 | 1101.88 | 702.42 | -849.96 | 1102.65 | 309.57 | 4.13 |
| 106 | 1745.11 | 9.66 | 75.85 | 313.50 | 1226.34 | 1111.24 | 708.80 | -856.80 | 1111.98 | 309.60 | 3.34 |
| 107 | 1754.43 | 9.32 | 76.94 | 313.40 | 1228.54 | 1120.29 | 715.03 | -863.37 | 1121.02 | 309.63 | 3.52 |
| 108 | 1764.12 | 9.69 | 78.00 | 314.20 | 1230.64 | 1129.74 | 721.58 | -870.20 | 1130.45 | 309.67 | 4.08 |
| 109 | 1773.79 | 9.67 | 79.28 | 315.10 | 1232.54 | 1139.21 | 728.24 | -876.95 | 1139.90 | 309.71 | 4.82 |
| 110 | 1783.46 | 9.67 | 79.98 | 315.50 | 1234.28 | 1148.70 | 735.00 | -883.64 | 1149.37 | 309.75 | 2.49 |
| 111 | 1793.11 | 9.65 | 81.47 | 315.10 | 1235.84 | 1158.21 | 741.77 | -890.33 | 1158.85 | 309.80 | 4.79 |
| 112 | 1822.08 | 28.97 | 82.44 | 314.40 | 1239.89 | 1186.85 | 761.97 | -910.71 | 1187.43 | 309.92 | 1.23 |
| 113 | 1851.03 | 28.95 | 83.06 | 315.30 | 1243.55 | 1215.53 | 782.22 | -931.07 | 1216.04 | 310.03 | 1.13 |
| 114 | 1879.98 | 28.95 | 82.92 | 315.00 | 1247.08 | 1244.21 | 802.59 | -951.33 | 1244.66 | 310.15 | 0.34 |
| 115 | 1908.90 | 28.92 | 82.09 | 315.40 | 1250.85 | 1272.83 | 822.94 | -971.53 | 1273.23 | 310.27 | 0.95 |
| 116 | 1937.86 | 28.96 | 82.22 | 314.60 | 1254.80 | 1301.47 | 843.22 | -991.82 | 1301.82 | 310.37 | 0.83 |
| 117 | 1966.85 | 28.99 | 81.69 | 313.90 | 1258.86 | 1330.14 | 863.25 | -1012.38 | 1330.46 | 310.45 | 0.90 |
| 118 | 1995.82 | 28.97 | 82.66 | 314.80 | 1262.81 | 1358.81 | 883.31 | -1032.90 | 1359.09 | 310.54 | 1.36 |
| 119 | 2024.78 | 28.96 | 81.83 | 316.00 | 1266.71 | 1387.45 | 903.75 | -1053.05 | 1387.69 | 310.64 | 1.50 |
| 120 | 2053.75 | 28.97 | 82.22 | 315.50 | 1270.73 | 1416.07 | 924.30 | -1073.07 | 1416.26 | 310.74 | 0.65 |
| 121 | 2082.71 | 28.96 | 82.40 | 315.40 | 1274.61 | 1444.70 | 944.75 | -1093.20 | 1444.87 | 310.83 | 0.21 |
| 122 | 2111.66 | 28.95 | 82.27 | 315.80 | 1278.47 | 1473.33 | 965.25 | -1113.28 | 1473.46 | 310.93 | 0.43 |
| 123 | 2140.65 | 28.99 | 82.71 | 315.80 | 1282.26 | 1502.00 | 985.85 | -1133.32 | 1502.10 | 311.02 | 0.46 |
| 124 | 2169.61 | 28.96 | 82.92 | 315.40 | 1285.88 | 1530.66 | 1006.38 | -1153.42 | 1530.74 | 311.11 | 0.47 |
| 125 | 2198.61 | 29.00 | 82.09 | 315.10 | 1289.66 | 1559.36 | 1026.80 | -1173.66 | 1559.42 | 311.18 | 0.91 |
| 126 | 2227.51 | 28.90 | 81.52 | 315.60 | 1293.78 | 1587.91 | 1047.15 | -1193.76 | 1587.95 | 311.26 | 0.78 |
| 127 | 2256.45 | 28.94 | 80.46 | 315.70 | 1298.32 | 1616.42 | 1067.59 | -1213.74 | 1616.45 | 311.33 | 1.10 |
| 128 | 2275.00 | 18.55 | 80.00 | 315.70 | 1301.46 | 1634.66 | 1080.67 | -1226.51 | 1634.68 | 311.38 | 0.74 |